

MONITORING CONNECTOR SYSTEM



1 MM VERTICAL JACK TIP (TEST POINT)

1mm Vertical Jack Tip Insulated Conical Type

P8001

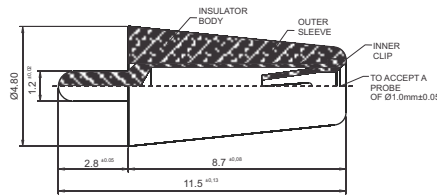
Specifications

Current Rating	: 5A max.
Contact Resistance	: 5mΩ max.
Insulation Resistance	: 1000MΩ min.
Dielectric Withstanding	: 500V AC min.
Temperature Range	: -25°C to +70°C
Insertion Force with Ø1.02mm	: 130gms
Extraction Force with Ø0.98mm	: 190gms
Mounting Hole Dia in PCB	: Ø1.30mm
Mating Connectors	: P8003, P8005

Material & Finish

Outer sleeve	: Brass, Tin/Gold plated
Inner clip	: Beryllium Copper, Gold plated
Insulator	: Polypropylene

Colour	Part Number	
	Tin Plated	Gold Plated
Black	P8001-10-19	P8001-10-12
Brown	P8001-11-19	P8001-11-12
Red	P8001-12-19	P8001-12-12
Orange	P8001-13-19	P8001-13-12
Yellow	P8001-14-19	P8001-14-12
Green	P8001-15-19	P8001-15-12
Blue	P8001-16-19	P8001-16-12
Violet	P8001-17-19	P8001-17-12
Grey	P8001-18-19	P8001-18-12
White	P8001-19-19	P8001-19-12



1mm Vertical Jack Tip Insulated Cylindrical Type

P8101

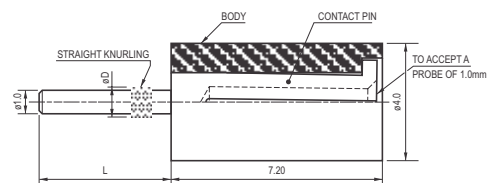
Specifications

Current Rating	: 5A max.
Contact Resistance	: 5mΩ max.
Insulation Resistance	: 1000MΩ min.
Dielectric Withstanding	: 500V AC min.
Temperature Range	: -25°C to +70°C
Insertion Force with Ø1.02mm	: 2.2Kg max.
Extraction Force with Ø0.98mm	: 0.18Kg min.
Mounting Hole Dia in PCB	: Ø1.3mm
Mating Connectors	: P8003, P8005

Material & Finish

Contact	: Brass, Silver/Gold Plated
Insulator	: Polypropylene

Colour	Part Number			
	For L=4.5mm, D-1.3mm		For L=3.0mm, D-1.2mm	
	Silver Plated	Gold Plated	Silver Plated	Gold Plated
Black	P8101-10-11-0	P8101-10-12-0	P8101-10-11-S	P8101-10-12-S
Brown	P8101-11-11-0	P8101-11-12-0	P8101-11-11-S	P8101-11-12-S
Red	P8101-12-11-0	P8101-12-12-0	P8101-12-11-S	P8101-12-12-S
Orange	P8101-13-11-0	P8101-13-12-0	P8101-13-11-S	P8101-13-12-S
Yellow	P8101-14-11-0	P8101-14-12-0	P8101-14-11-S	P8101-14-12-S
Green	P8101-15-11-0	P8101-15-12-0	P8101-15-11-S	P8101-15-12-S
Blue	P8101-16-11-0	P8101-16-12-0	P8101-16-11-S	P8101-16-12-S
Violet	P8101-17-11-0	P8101-17-12-0	P8101-17-11-S	P8101-17-12-S
Grey	P8101-18-11-0	P8101-18-12-0	P8101-18-11-S	P8101-18-12-S
White	P8101-19-11-0	P8101-19-12-0	P8101-19-11-S	P8101-19-12-S



1MM CONNECTOR JACK

Specifications

Current Rating	: 3A max.
Contact Resistance	: 5mΩ max.
Temperature Range	: -25°C to +70°C
Insertion Force with Ø1.02mm	: 0.45Kg max.
Extraction Force with Ø0.98mm	: 0.056Kg min.
Mounting Hole Dia in PCB	: Ø2.2mm
Mating Connectors	: P8003, P8005

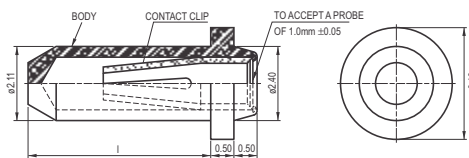
Material & Finish

Inner Clip	: Beryllium Copper, Gold Plated
Outer Sleeve	: Brass, Silver / Gold / Tin Plated

Type 1: 1mm Connector Jack Non-Insulated

P8002

Finish	Part Number	
	For l=5.2mm	For l=7.2mm
Silver Plated	P8002-11-32-0	P8002-11-32-L
Gold Plated	P8002-12-32-0	P8002-12-32-L
Tin Plated	P8002-19-32-0	P8002-19-32-L



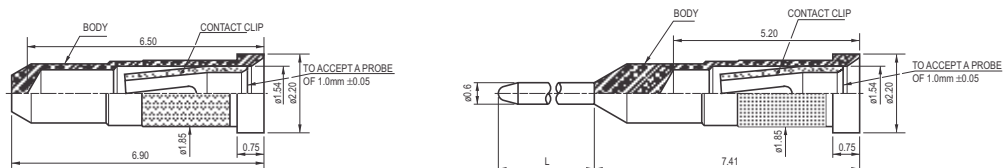
Type 2: 1mm Connector Jack Non-Insulated with Knurling

P8102

Finish	Part Number		
	With out Tail	Tail Length L=7.64mm	Tail Length L=4.64mm
Silver Plated	P8102-11-32	P8102A11-32	P8102B11-32
Gold Plated	P8102-12-32	P8102A12-32	P8102B12-32
Tin Plated	P8102-19-32	P8102A19-32	P8102B19-32



Mounting Hole Dia in PCB: Ø1.85mm

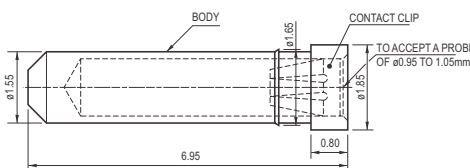


Type 3: 1mm Connector Jack Non-Insulated with Fishhook

P8202

Specifications

Current Rating	: 3A max.
Contact Resistance	: 5mΩ
Temperature Range	: -25°C to +70°C
Insertion Force	: 0.18Kg max.
Extraction Force	: 0.05Kg min.
Mounting Hole Dia in PCB	: Ø1.55mm
Mating Connectors	: P8003, P8005



Finish	Part Number
Tin Plated	P8202-19-32

1 MM MALE PIN

1mm Male Pin Non-Insulated

P8003

Specifications

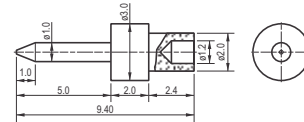
Current Rating	: 5A
Contact Resistance	: 5mΩ max.
Temperature Range	: -25°C to +70°C
Mounting Hole Dia in PCB	: Fig 1. Ø2.25mm Fig 2 & 3. Ø1.25mm
Mating Connectors	: P8001, P8002, P8101, P8102, P8202

Material & Finish

Contact : Brass, Silver / Gold Plated



Fig 1



Finish	Part Number		
	Pin Straight Ø3mm	Pin Right Angle Ø1.75mm	Pin Straight Ø1.75mm
Silver Plated	P8003-00-11-0	P8003-00-11-R	P8003-00-11-S
Gold Plated	P8003-00-12-0	P8003-00-12-R	P8003-00-12-S

Fig 2

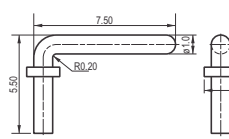
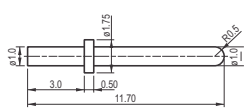


Fig 3



1 MM SHORTING LINK

1mm Insulated & Non-Insulated

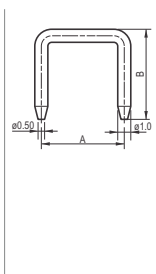
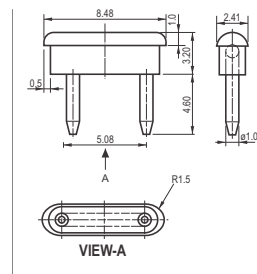
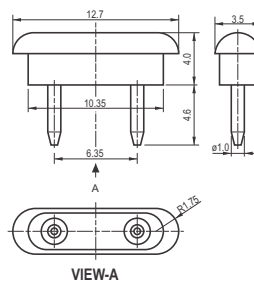
P8005

Specifications

Current Rating	: 5A	Material & Finish	
Temperature Range	: -25°C to +70°C	Contact	: Brass, Silver/Gold Plated
Mating Connectors	: P8001, P8002, P8101, P8102, P8202	Insulator	: Polypropylene, Grey/Red Colour



Item (Pitch) A	Part Number	
	Silver Plated	Gold Plated
Insulated (5.08mm) Grey	P8005-18-11-1	P8005-18-12-1
Insulated (6.35mm) Grey	P8005-18-11-2	P8005-18-12-2
Insulated (5.08mm) Red	P8005-12-11-1	P8005-12-12-1
Insulated (6.35mm) Red	P8005-12-11-2	P8005-12-12-2
Non-Insulated (5.08mm)	P8005-00-11-1	P8005-00-12-1
Non-Insulated (6.35mm)	P8005-00-11-2	P8005-00-12-2
Non-Insulated (10.16mm)	P8005-00-11-3	P8005-00-12-3
Non-Insulated (12.70mm)	P8005-00-11-4	P8005-00-12-4



1.5MM PANEL SOCKET

1.5mm Insulated

P8010

Specifications

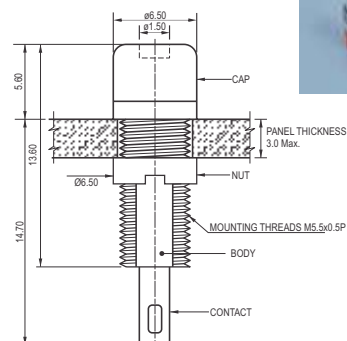
Voltage Rating	: 250V AC/DC
Current Rating	: 4A max.
Contact Resistance	: 5mΩ max.
Insulation Resistance	: 10000MΩ min.
Temperature Range	: -25°C to +70°C
Fixing Torque for Mounting	: 20Ncm max.
Mounting Holes	: Float Mount - Ø5.7hole Rigid Mount - Ø5.7x4.8

Material & Finish

Contact	: Beryllium Copper, Gold Plated
Body	: Polybutylene Teraphthalate (PBT)
Cap	: Polypropylene
Ring Nut	: Brass, Nickel Plated



Colour (Cap)	Part Number
Black	P8010-10-32
Red	P8010-12-32



LED HOLDER

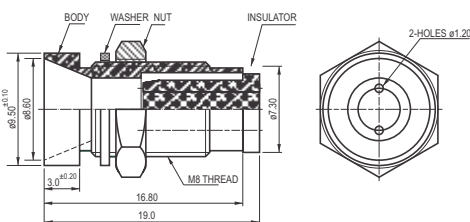
5mm Reflecting Type

P8032

Material & Finish

- Body : Brass, Nickel Chrome Plated
- Insulator : Nylon
- Nut : Brass, Nickel Plated
- Washer : Brass, Nickel Plated
- Mounting Hole : Ø8.3mm

Type	Part Number
5mm Reflecting	P8032-15-16



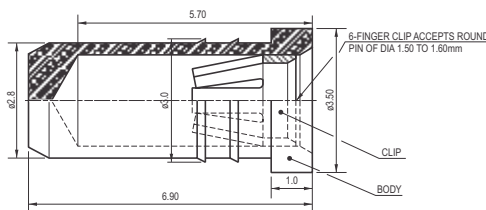
1.5MM CONNECTOR JACK

1.5mm Connector Jack Non-Insulated

P8040A

Specifications

- Voltage Rating : 250V AC
- Current Rating : 4A
- Contact Resistance : 5mΩ max.
- Temperature Range : -25°C to +70°C
- Insertion Force : 0.35Kg max.
- Extraction Force : 0.1Kg min.
- Mounting Hole Dia in PCB : Ø2.90mm



Material & Finish

- Inner Clip : Beryllium Copper, Gold Plated
- Outer Sleeve : Brass, Tin/Gold Plated

Finish	Part Number
Tin Plated	P8040A19-32
Gold Plated	P8040A12-32

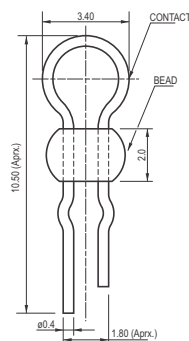
TEST PIN

P8042

Material & Finish

- Contact : Phosphor Bronze, Gold Plated
- Bead : Ceramic
- Mounting Hole Dia in PCB : Ø0.9 to Ø1.0mm

Colour	Part Number
	Gold Plated
Black	P8042-C0-22
Red	P8042-C2-22
Yellow	P8042-C4-22
Green	P8042-C5-22
Blue	P8042-C6-22
White	P8042-C9-22



2.03MM JACK TIP HORIZONTAL (TEST POINT)

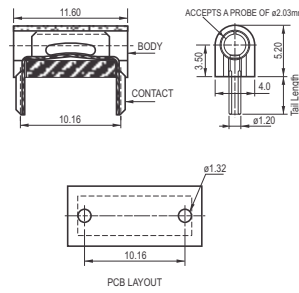
Specifications

Voltage Rating	: 600V	Dielectric Withstanding	: 2500V rms.	Material & Finish	
Current Rating	: 4A max.	Temperature Range	: -40°C to +70°C	Contact	: Beryllium Copper, Silver/Gold Plated
Contact Resistance	: 5mΩ max.	Insertion Force	: 2.2Kg max.	Insulator	: Polypropylene
Insulation Resistance	: 10000MΩ min.	Extraction Force	: 0.22Kg min.		

Type 1: Horizontal Ø2.03mm

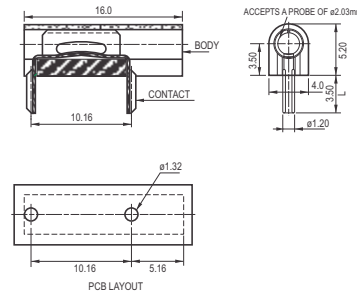
P8020 Series

Colour	Part Number			
	For Tail Length=3.50mm		For Tail Length=5.56mm	
	Silver Plated	Gold Plated	Silver Plated	Gold Plated
Black	P8020-10-31-0	P8020-10-32-0	P8020-10-31-L	P8020-10-32-L
Brown	P8020-11-31-0	P8020-11-32-0	P8020-11-31-L	P8020-11-32-L
Red	P8020-12-31-0	P8020-12-32-0	P8020-12-31-L	P8020-12-32-L
Orange	P8020-13-31-0	P8020-13-32-0	P8020-13-31-L	P8020-13-32-L
Yellow	P8020-14-31-0	P8020-14-32-0	P8020-14-31-L	P8020-14-32-L
Green	P8020-15-31-0	P8020-15-32-0	P8020-15-31-L	P8020-15-32-L
Blue	P8020-16-31-0	P8020-16-32-0	P8020-16-31-L	P8020-16-32-L
Violet	P8020-17-31-0	P8020-17-32-0	P8020-17-31-L	P8020-17-32-L
Grey	P8020-18-31-0	P8020-18-32-0	P8020-18-31-L	P8020-18-32-L
White	P8020-19-31-0	P8020-19-32-0	P8020-19-31-L	P8020-19-32-L



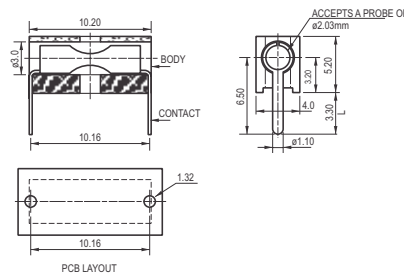
Type 2: Front Panel Jack Tip Ø2.03mm

Colour	Part Number (L=3.5mm)	
	Silver Plated	Gold Plated
Black	P8020-10-31-P	P8020-10-32-P
Brown	P8020-11-31-P	P8020-11-32-P
Red	P8020-12-31-P	P8020-12-32-P
Orange	P8020-13-31-P	P8020-13-32-P
Yellow	P8020-14-31-P	P8020-14-32-P
Green	P8020-15-31-P	P8020-15-32-P
Blue	P8020-16-31-P	P8020-16-32-P
Violet	P8020-17-31-P	P8020-17-32-P
Grey	P8020-18-31-P	P8020-18-32-P
White	P8020-19-31-P	P8020-19-32-P



Type 3: Top and Side Entry Jack Tip Ø2.03mm

Colour	Part Number (L=3.3mm)	
	Silver Plated	Gold Plated
Black	P8020-10-31-T	P8020-10-32-T
Brown	P8020-11-31-T	P8020-11-32-T
Red	P8020-12-31-T	P8020-12-32-T
Orange	P8020-13-31-T	P8020-13-32-T
Yellow	P8020-14-31-T	P8020-14-32-T
Green	P8020-15-31-T	P8020-15-32-T
Blue	P8020-16-31-T	P8020-16-32-T
Violet	P8020-17-31-T	P8020-17-32-T
Grey	P8020-18-31-T	P8020-18-32-T
White	P8020-19-31-T	P8020-19-32-T



Type 4: Square Body Non-Insulated Side Mounted Ø2.03mm

P8025A

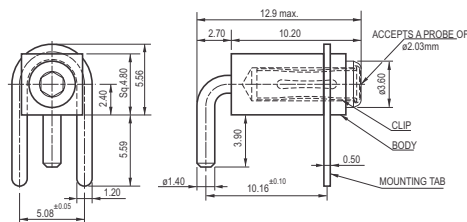
Specifications

Voltage Rating	: 250V
Current Rating	: 5.5A max.
Contact Resistance	: 4mΩ max.
Temperature Range	: -65°C to +85°C
Insertion Force	: 2.2Kg max.
Extraction Force	: 0.18Kg min.

Finish	Part Number
Gold Plated	P8025A12-32

Material & Finish

Inner Clip	: Beryllium Copper, Gold Plated
Outer Sleeve	: Brass, Gold Plated
Mounting Tab	: Brass, Gold Plated



2.03MM JACK TIP VERTICAL (TEST POINT)

Specifications

Voltage Rating	: 600V
Current Rating	: 4A max.
Contact Resistance	: 5mΩ max.
Insulation Resistance	: 10000MΩ min.
Dielectric Withstanding	: 2500V rms.
Temperature Range	: -40° to +85°
Insertion Force	: 2.2Kg max.
Extraction Force	: 0.18Kg min.

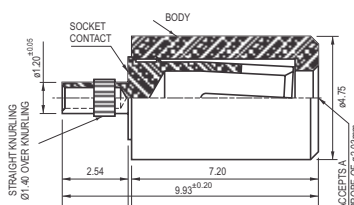
Material & Finish

Contact	: Phosphor Bronze, Silver/Gold Plated
Insulator	: Glass Filled Nylon

Type 1: Vertical Ø2.03mm with Knurling

P8021

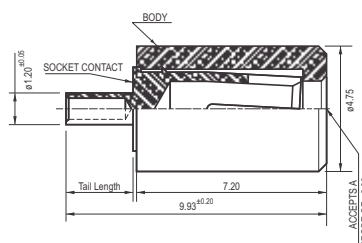
Colour	Part Number	
	Silver Plated	Gold Plated
Black	P8021-20-21	P8021-20-22
Red	P8021-22-21	P8021-22-22
Green	P8021-25-21	P8021-25-22



Type 2: Vertical Ø2.03mm without Knurling

P8022

Colour	Part Number, Tail Length= 2.54mm	
	Silver Plated	Gold Plated
Black	P8022-20-21-0	P8022-20-22-0
Red	P8022-22-21-0	P8022-22-22-0
Green	P8022-25-21-0	P8022-25-22-0



Colour	Part Number, Tail Length= 4.5mm	
	Silver Plated	Gold Plated
Black	P8022-20-21-L	P8022-20-22-L
Red	P8022-22-21-L	P8022-22-22-L
Green	P8022-25-21-L	P8022-25-22-L

Type 3: Vertical Ø2.03mm Panel Mounting Press Fit

P8025

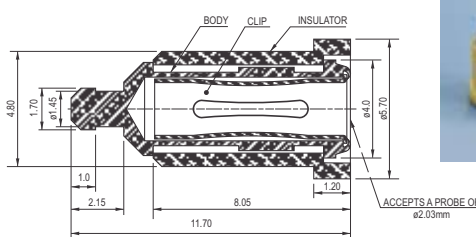
Specifications

Voltage Rating	: 800V
Current Rating	: 5.5A max.
Contact Resistance	: 4mΩ max.
Insulation Resistance	: 5000MΩ min.
Dielectric Withstanding	: 1800V rms.
Temperature Range	: -65°C to +85°C
Insertion Force	: 2.2Kg max.
Extraction Force	: 0.18Kg min

Material & Finish

Inner Clip	: Beryllium Copper, Gold Plated
Outer Sleeve	: Brass, Gold Plated
Insulator	: Nylon

Colour	Part Number
Black	P8025-20-23
Brown	P8025-21-23
Red	P8025-22-23
Orange	P8025-23-23
Yellow	P8025-24-23
Green	P8025-25-23
Blue	P8025-26-23
Violet	P8025-27-23
Grey	P8025-28-23
White	P8025-29-23



Type 4: Vertical Ø2.03mm Press Fit

P8025B

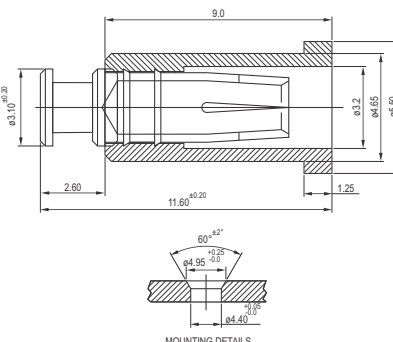
Specifications

Voltage Rating	: 800V
Current Rating	: 5.5A max.
Contact Resistance	: 4mΩ max.
Insulation Resistance	: 5000MΩ min.
Dielectric Withstanding	: 1000V rms.
Temperature Range	: -65°C to +85°C
Insertion Force	: 2.2Kg max.
Extraction Force	: 0.18Kg min

Material & Finish

Contact	: Beryllium Copper, Gold plated
Insulator	: Teflon

Colour	Part Number
Black	P8025B30-3K
Brown	P8025B31-3K
Red	P8025B32-3K
Orange	P8025B33-3K
Yellow	P8025B34-3K
Green	P8025B35-3K
Blue	P8025B36-3K
Violet	P8025B37-3K
Grey	P8025B38-3K
White	P8025B39-3K



4MM TEST POINT SINGLE CONTACT

Specifications

- Voltage Rating : 750V AC Peak
- Current Rating : 10A
- Contact Resistance : 2mΩ max.
- Insulation Resistance : 1000MΩ min.
at 500V DC
- Dielectric Withstanding : 1500V rms.
- Temperature Range : -40°C to +85°C
- Insertion Force : 1.0Kg max.
- Extraction Force : 0.5Kg min.



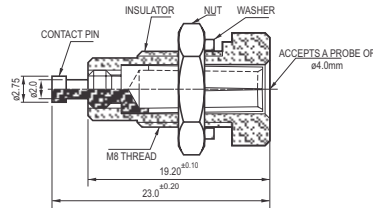
Material & Finish

- Contact : Phosphor Bronze, Gold Plated
- Insulator : Polypropylene/Nylon
- Nut : Brass, Nickel Plated
- Washer : Brass, Nickel Plated

4mm Panel Mounting Single Contact

P8023

Colour	Part Number	
	For Nylon	For Polypropylene
	Gold Plated	Gold Plated
Black	P8023-20-23	P8023-10-23
Brown	P8023-21-23	P8023-11-23
Red	P8023-22-23	P8023-12-23
Orange	P8023-23-23	P8023-13-23
Yellow	P8023-24-23	P8023-14-23
Green	P8023-25-23	P8023-15-23
Blue	P8023-26-23	P8023-16-23
Violet	P8023-27-23	P8023-17-23
Grey	P8023-28-23	P8023-18-23
White	P8023-29-23	P8023-19-23



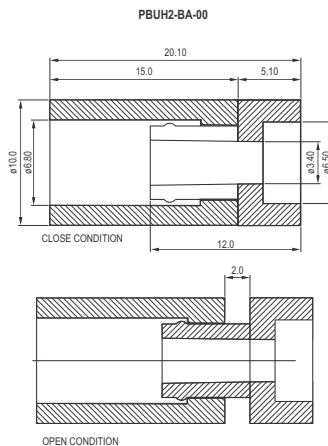
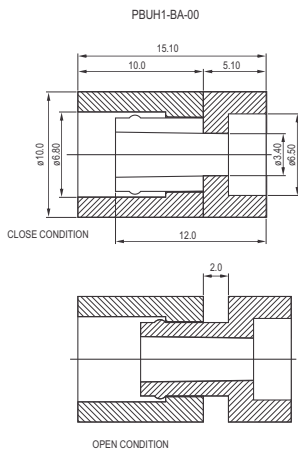
ONE TOUCH COLLAR BUSHING

PBUH Series

Material & Finish

Insulator: ABS, Natural color

Part Number	
L=10mm	L=15mm
PBUH1-BA-00	PBUH2-BA-00



TERMINAL BOARD SCREW TYPE DOUBLE ROW

Type 1: 15A

P8047

Specifications

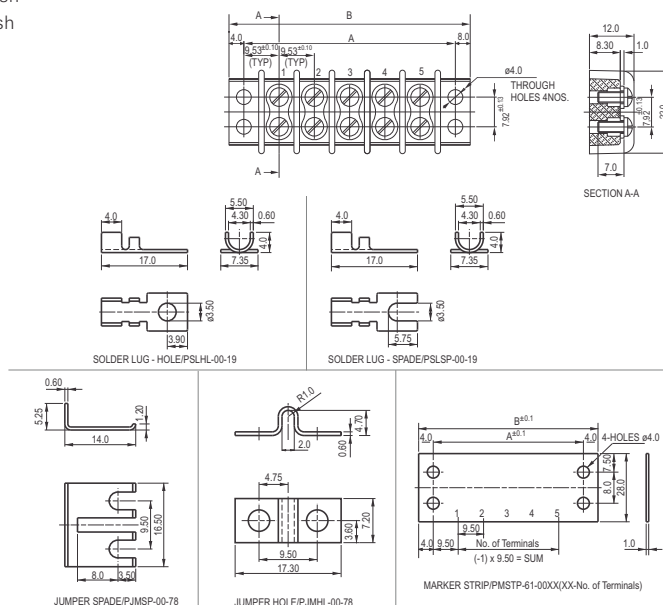
Voltage Rating : 300V AC rms. Max.
 Current Rating : 15A
 Insulation Resistance at 500V DC : 1000MΩ min.
 Dielectric Withstanding : 2000V AC rms.
 Temperature Range : - 65°C to +125°C



Material & Finish

Insulator : Glass Filled Thermoplastic Polyester
 Terminal Lugs : Brass, Tin Plated Over Copper Flash
 Screws : Brass, Nickel Plated Over Copper Flash
 Jumpers : Steel, Nickel Plated Over Copper Flash
 Marker Strip : Phenolic Nylon Filled

NO. OF TERMINALS	A ±0.40		PROTECTRON PART NUMBER
	A ±0.40	A ±0.40	
2	28.58	36.12	P8047-50-1F02
3	38.10	45.64	P8047-50-1F03
4	47.63	55.17	P8047-50-1F04
5	57.15	65.07	P8047-50-1F05
6	66.68	74.63	P8047-50-1F06
7	76.20	84.12	P8047-50-1F07
8	85.73	93.68	P8047-50-1F08
9	95.66	103.17	P8047-50-1F09
10	105.18	112.73	P8047-50-1F10
11	114.76	122.22	P8047-50-1F11
12	124.23	131.78	P8047-50-1F12
13	133.76	141.27	P8047-50-1F13
14	143.28	150.83	P8047-50-1F14
15	152.81	160.32	P8047-50-1F15
16	162.33	169.88	P8047-50-1F16
17	171.86	179.43	P8047-50-1F17
18	181.38	188.93	P8047-50-1F18
19	190.91	198.83	P8047-50-1F19
20	200.80	208.36	P8047-50-1F20



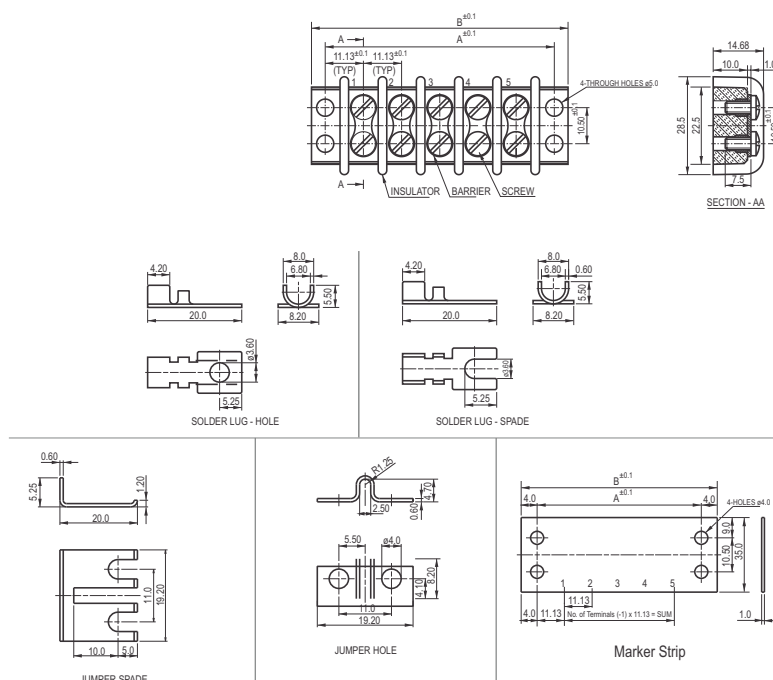
Type 2: 20A

P8047A

Specifications

Voltage Rating : 600V AC rms. Max.
 Current Rating : 20A
 Insulation Resistance at 500V DC : 1000MΩ min
 Dielectric Withstanding : 2500V AC rms.
 Temperature Range : -65°C to +125°C

No. of Terminals	A ±0.1		B ±0.1		Part Number
	A ±0.1	B ±0.1	A ±0.1	B ±0.1	
4	55.65	63.65	11.13	11.13	P8047A50-1F04
5	66.78	77.78	11.13	11.13	P8047A50-1F05
6	77.91	85.91	11.13	11.13	P8047A50-1F06
7	89.04	97.04	11.13	11.13	P8047A50-1F07
8	100.17	108.17	11.13	11.13	P8047A50-1F08
9	111.30	119.30	11.13	11.13	P8047A50-1F09
10	122.43	130.43	11.13	11.13	P8047A50-1F10
12	144.69	152.69	11.13	11.13	P8047A50-1F12
14	166.95	174.95	11.13	11.13	P8047A50-1F14
16	189.21	197.21	11.13	11.13	P8047A50-1F16
18	211.47	219.47	11.13	11.13	P8047A50-1F18
20	233.73	241.73	11.13	11.13	P8047A50-1F20



COIN CELL BATTERY HOLDER

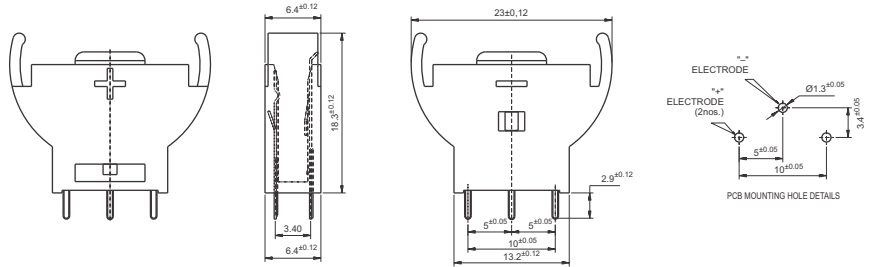
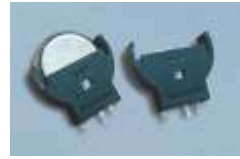
Vertical PBATH 1 - 20 - 19

Specifications/Key Features

- Coin Cell Holder, 3pin Vertical Type
- For CR2032 (Ø 20mm) Coin Cell
- Temperature Range: -50°C to +145°C

Material & Finish

Contact : Copper Alloy, Tin Plated
 Insulator : GF Nylon, UL 94V-0, Black



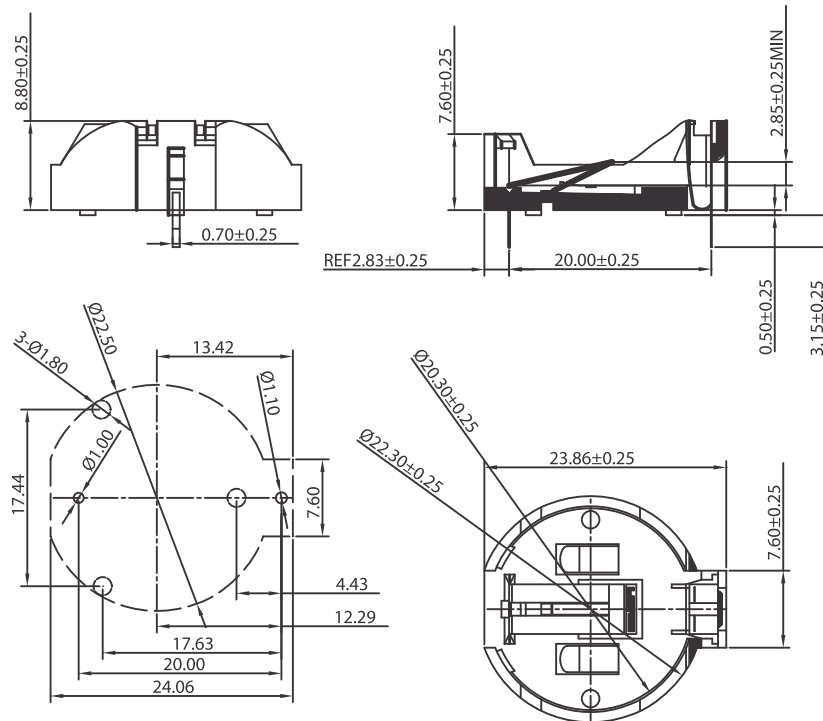
Horizontal PBATH 11 - 20 - 19

Specifications

Coin Battery holder horizontal mount type for CR2032

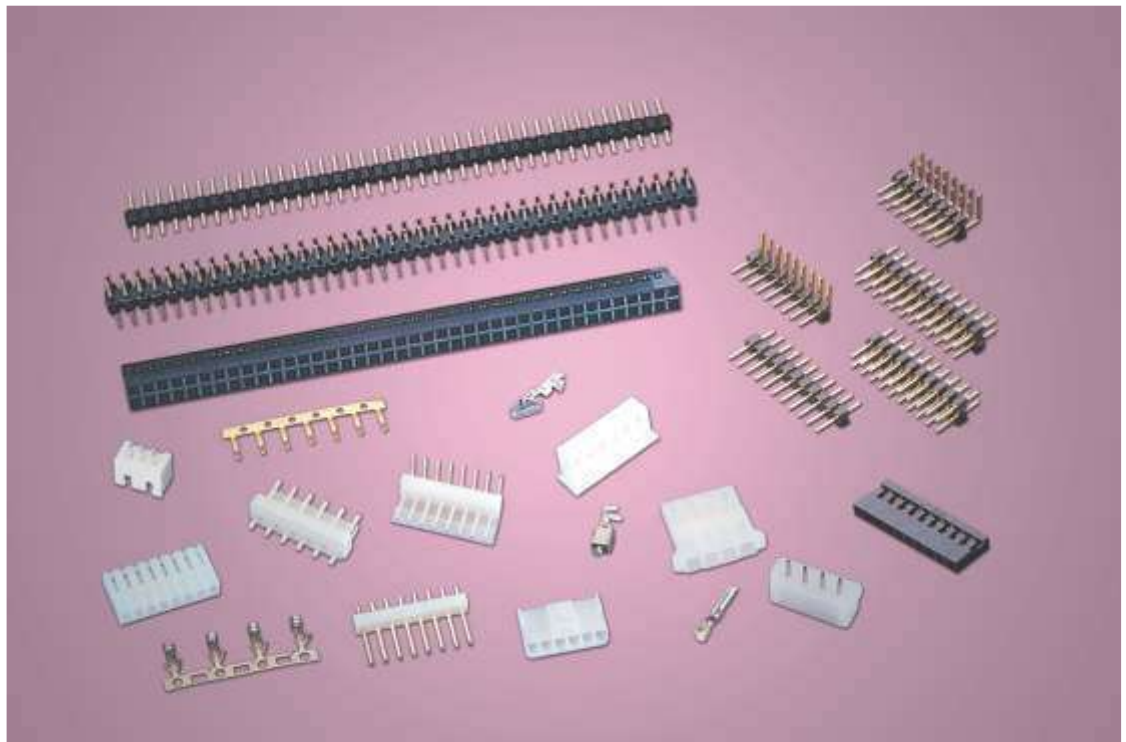
Material & Finish

Contact : Copper Alloy, Tin-Plated
 Insulator : Thermoplastic, UL94V-0, Black



RECOMMENDED PC BOARD LAYOUT
 TOLERANCE: ±0.05

2 PART CONNECTOR SYSTEM (BOARD TO WIRE CONNECTORS)



1.0MM (0.039") PITCH, DISCONNECTABLE SH CONNECTORS

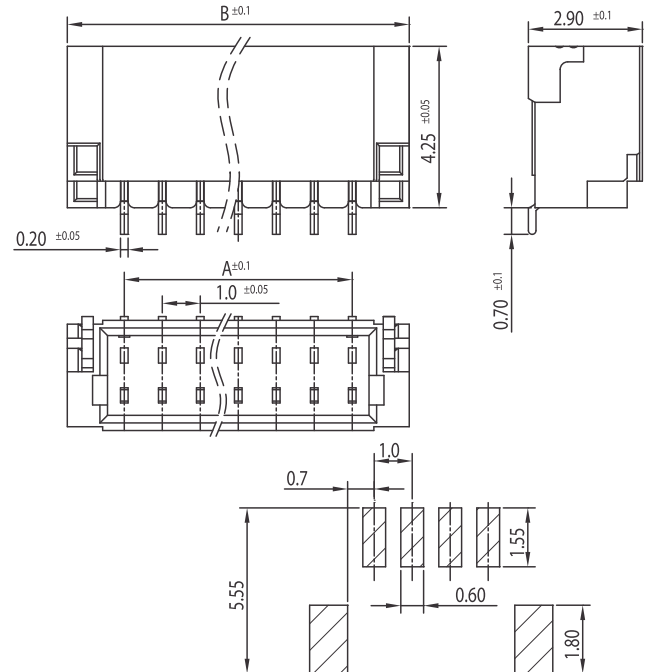
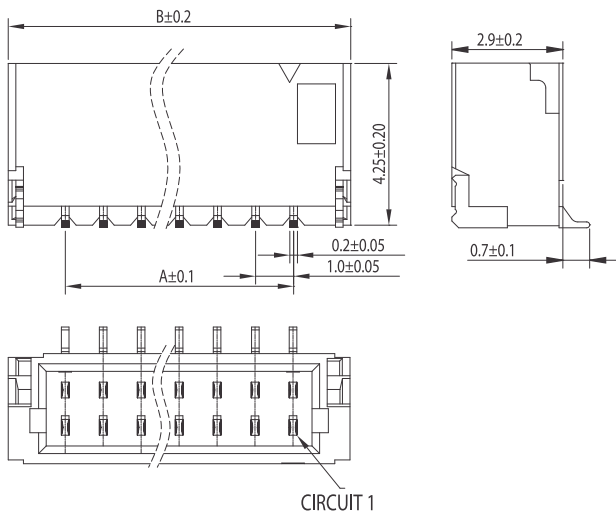
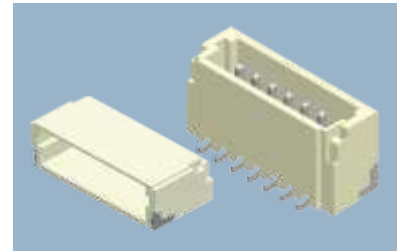
Specifications :

No. of Ways	: 2-20	Material & Finish :	
Voltage Rating	: 50V AC,DC	Crimp Contact	: Copper Alloy, Tin Plated
Current Rating	: 1A AC,DC	Square Pin	: Copper Alloy, Tin Plated
Contact Resistance	: 20mΩ max.	Insulator	: Nylon 6T, UL94V-0
Insulation Resistance	: 500MΩ min.		
Temperature Range	: -25°C to +85°C		
Dielectric Withstanding	: 500V AC/Minute		
Crimp Terminal Wire Size	: 28-32 AWG		
Insulation O.D	: 0.80mm max.		

WAFER Disconnectable, Surface Mount (Straight & Right Angle)

P9077S & P9077R

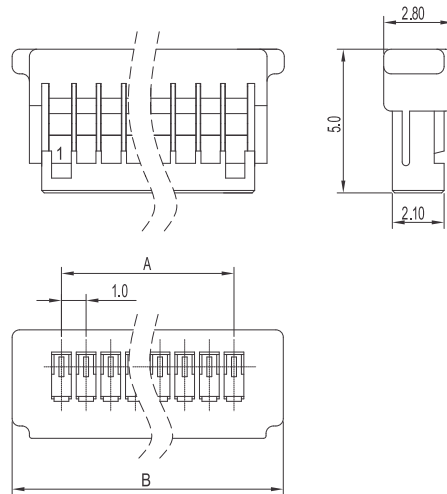
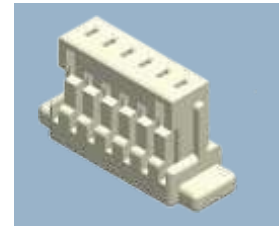
No. of Ways	Dimensions		Part Number	
	A	B	Straight	Right Angle
2	1.00	4.00	P9077S29-19-2	P9077R29-19-2
3	2.00	5.00	P9077S29-19-3	P9077R29-19-3
4	3.00	6.00	P9077S29-19-4	P9077R29-19-4
5	4.00	7.00	P9077S29-19-5	P9077R29-19-5
6	5.00	8.00	P9077S29-19-6	P9077R29-19-6
7	6.00	9.00	P9077S29-19-7	P9077R29-19-7
8	7.00	10.00	P9077S29-19-8	P9077R29-19-8
9	8.00	11.00	P9077S29-19-9	P9077R29-19-9
10	9.00	12.00	P9077S29-19-A	P9077R29-19-A
11	10.00	13.00	P9077S29-19-B	P9077R29-19-B
12	11.00	14.00	P9077S29-19-C	P9077R29-19-C
13	12.00	15.00	P9077S29-19-D	P9077R29-19-D
14	13.00	16.00	P9077S29-19-E	P9077R29-19-E
15	14.00	17.00	P9077S29-19-F	P9077R29-19-F
16	15.00	18.00	P9077S29-19-G	P9077R29-19-G
17	16.00	19.00	P9077S29-19-H	P9077R29-19-H
18	17.00	20.00	P9077S29-19-I	P9077R29-19-I
19	18.00	21.00	P9077S29-19-J	P9077R29-19-J
20	19.00	22.00	P9077S29-19-K	P9077R29-19-K



HOUSING, Disconnectable, With Bump,

P9077H

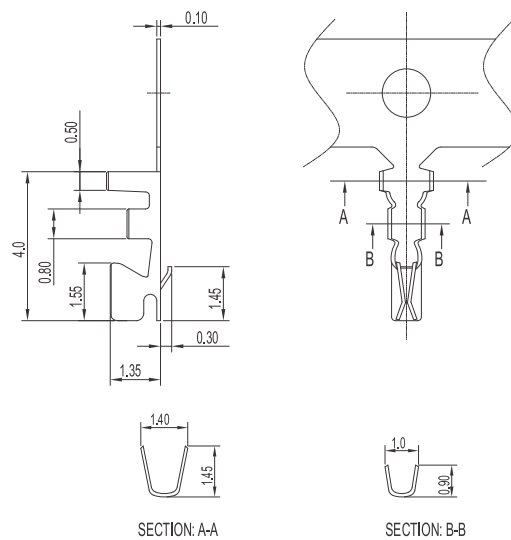
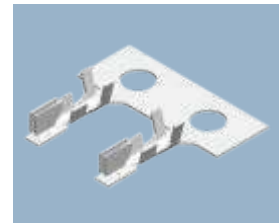
No of Ways	Dimensions		Part Number
	A A±0.20	B B±0.20	
2	1.00	5.00	P9077H29-00-2
3	2.00	6.00	P9077H29-00-3
4	3.00	7.00	P9077H29-00-4
5	4.00	8.00	P9077H29-00-5
6	5.00	9.00	P9077H29-00-6
7	6.00	10.00	P9077H29-00-7
8	7.00	11.00	P9077H29-00-8
9	8.00	12.00	P9077H29-00-9
A=10	9.00	13.00	P9077H29-00-A
B=11	10.00	14.00	P9077H29-00-B
C=12	11.00	15.00	P9077H29-00-C
D=13	12.00	16.00	P9077H29-00-D
E=14	13.00	17.00	P9077H29-00-E
F=15	14.00	18.00	P9077H29-00-F
G=16	15.00	19.00	P9077H29-00-G
H=17	16.00	20.00	P9077H29-00-H
I=18	17.00	21.00	P9077H29-00-I
J=19	18.00	22.00	P9077H29-00-J
K=20	19.00	23.00	P9077H29-00-K



CRIMP TERMINAL

P9077T

Finish	Part Number
Tin Plated	P9077T00-29



1.25MM (0.049") PITCH DISCONNECTABLE CONNECTORS

P9056 Series

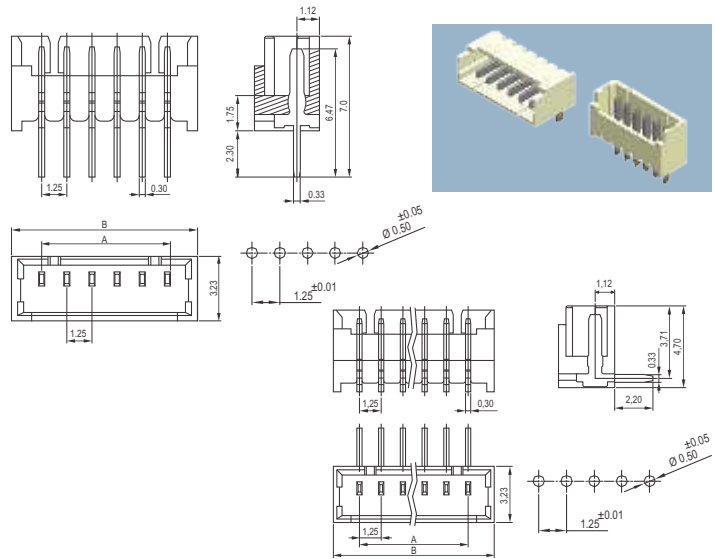
Specifications

No. of Ways	: 2-15	Material & Finish	
Voltage Rating	: 1000V AC,DC	Crimp Contact	: Phosphor Bronze, Tin Plated
Current Rating	: 1A AC, DC	Square Pin	: Phosphor Bronze, Tin Plated
Contact Resistance	: 20mΩ max.	Insulator	: Nylon, UL 94V-0
Insulation Resistance	: 500MΩ min.		
Dielectric Withstanding	: 500V AC/minute		
Temperature Range	: -25°C to +85°C		
Crimp Terminal Wire Size	: 28-32 AWG		
Insulation O.D	: 1.00mm max.		

HEADER (Straight & Right Angle)

P9056S & P9056R

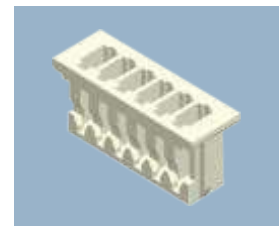
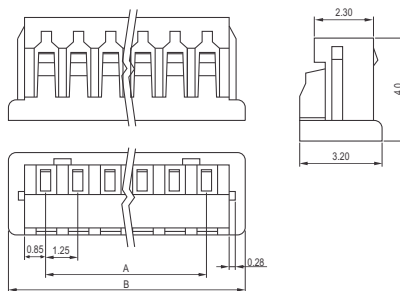
No. of Ways	Dimensions		Part Number	
	A	B	Straight	Right Angle
2	1.25	4.25	P9056S29-19-2	P9056R29-19-2
3	2.50	5.50	P9056S29-19-3	P9056R29-19-3
4	3.75	6.75	P9056S29-19-4	P9056R29-19-4
5	5.0	8.0	P9056S29-19-5	P9056R29-19-5
6	6.25	9.25	P9056S29-19-6	P9056R29-19-6
7	7.50	10.50	P9056S29-19-7	P9056R29-19-7
8	8.75	11.75	P9056S29-19-8	P9056R29-19-8
9	10.0	13.0	P9056S29-19-9	P9056R29-19-9
A=10	11.25	14.25	P9056S29-19-A	P9056R29-19-A
B=11	12.50	15.50	P9056S29-19-B	P9056R29-19-B
C=12	13.75	16.75	P9056S29-19-C	P9056R29-19-C
D=13	15.0	18.0	P9056S29-19-D	P9056R29-19-D
E=14	16.25	19.25	P9056S29-19-E	P9056R29-19-E
F=15	17.50	20.50	P9056S29-19-F	P9056R29-19-F



HOUSING

P9056H

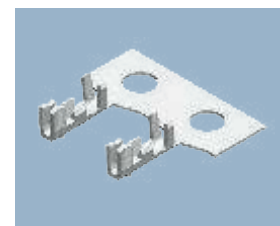
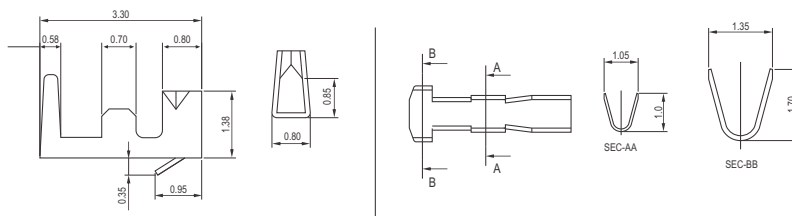
No. of Ways	Dimensions		Part Number
	A	B	
2	1.25	4.20	P9056H29-00-2
3	2.50	5.45	P9056H29-00-3
4	3.75	6.70	P9056H29-00-4
5	5.0	7.95	P9056H29-00-5
6	6.25	9.20	P9056H29-00-6
7	7.50	10.45	P9056H29-00-7
8	8.75	11.70	P9056H29-00-8
9	10.0	12.95	P9056H29-00-9
A=10	11.25	14.20	P9056H29-00-A
B=11	12.50	15.45	P9056H29-00-B
C=12	13.75	16.70	P9056H29-00-C
D=13	15.0	17.95	P9056H29-00-D
E=14	16.25	19.20	P9056H29-00-E
F=15	17.50	20.45	P9056H29-00-F



CRIMP TERMINAL

P9056T00-19

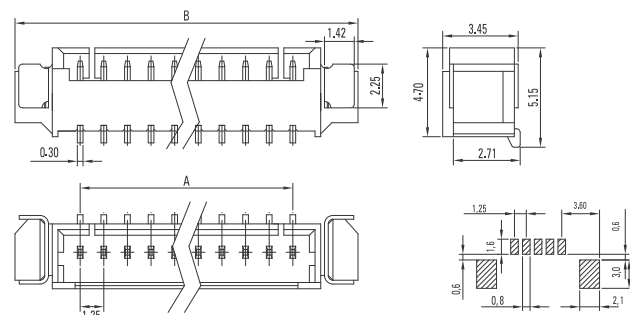
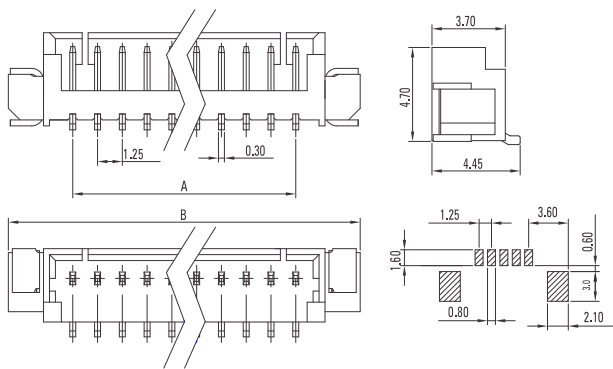
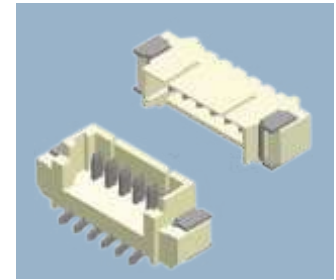
Finish	Part Number
Tin Plated	P9056T00-19



HEADER, Surface Mount (Straight & Right Angle)

P9056M & P9056N

No. of Ways	Dimension		Part Number	
	A	B	Straight	Right Angle
2	1.25	7.75	P9056M29-19-2	P9056N29-19-2
3	2.50	9.00	P9056M29-19-3	P9056N29-19-3
4	3.75	10.25	P9056M29-19-4	P9056N29-19-4
5	5.00	11.50	P9056M29-19-5	P9056N29-19-5
6	6.25	12.75	P9056M29-19-6	P9056N29-19-6
7	7.50	14.00	P9056M29-19-7	P9056N29-19-7
8	8.75	15.25	P9056M29-19-8	P9056N29-19-8
9	10.00	16.50	P9056M29-19-9	P9056N29-19-9
A=10	11.25	17.75	P9056M29-19-A	P9056N29-19-A
B=11	12.50	19.00	P9056M29-19-B	P9056N29-19-B
C=12	13.75	20.25	P9056M29-19-C	P9056N29-19-C
D=13	15.00	21.50	P9056M29-19-D	P9056N29-19-D
E=14	16.25	22.75	P9056M29-19-E	P9056N29-19-E
F=15	17.50	24.00	P9056M29-19-F	P9056N29-19-F



1.50MM (0.059") PITCH DISCONNECTABLE ZH CONNECTORS

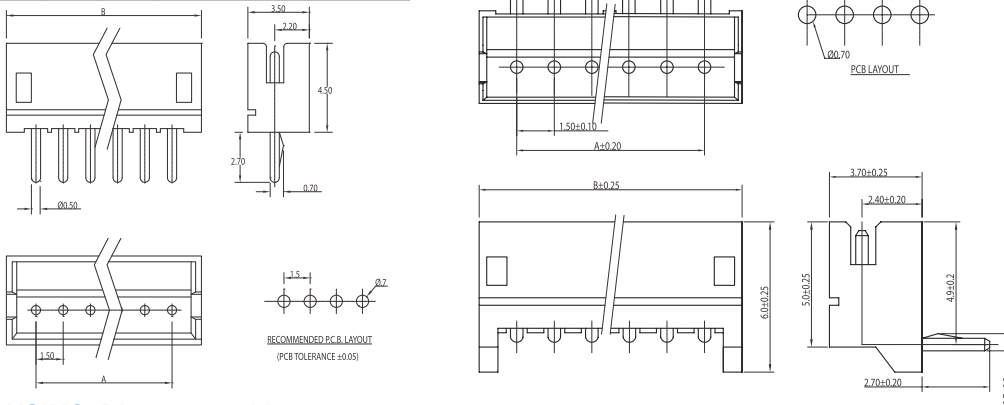
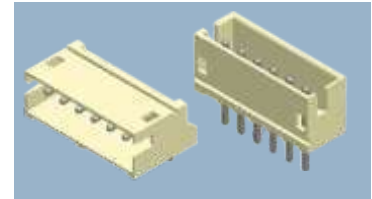
Specifications

No. of Ways	: 2 - 13	Material & Finish	
Voltage Rating	: 100V AC,DC	Crimp Contact	: Copper Alloy, Tin Plated
Current Rating	: 1A AC,DC	Round Pin	: Copper Alloy, Gold Plated
Contact Resistance	: 20mΩ max.	Insulator	: Nylon 66, UL94V-0
Insulation Resistance	: 500MΩ min.		
Temperature Range	: -25°C to +85°C		
Dielectric Withstanding	: 500V AC/minute		
Crimp Terminal Wire Size	: 26-32 AWG		
Insulation O.D.	: 1.10mm max.		

WAFER, Disconnectable (Straight & Right Angle)

P9058S & P9058R

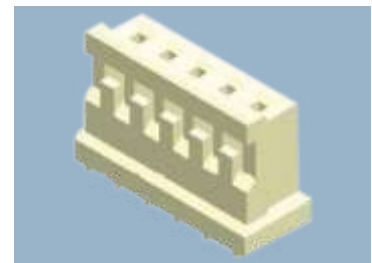
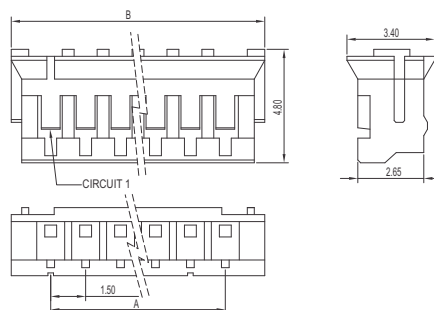
No. Of Ways	Dimension		Part Number	
	A	B	Straight	Right Angle
2	1.50	4.50	P9058S29-19-2	P9058R29-19-2
3	3.00	6.00	P9058S29-19-3	P9058R29-19-3
4	4.50	7.50	P9058S29-19-4	P9058R29-19-4
5	6.00	9.00	P9058S29-19-5	P9058R29-19-5
6	7.50	10.50	P9058S29-19-6	P9058R29-19-6
7	9.00	12.00	P9058S29-19-7	P9058R29-19-7
8	10.50	13.50	P9058S29-19-8	P9058R29-19-8
9	12.00	15.00	P9058S29-19-9	P9058R29-19-9
A=10	13.50	16.50	P9058S29-19-A	P9058R29-19-A
B=11	15.00	18.00	P9058S29-19-B	P9058R29-19-B
C=12	16.50	19.50	P9058S29-19-C	P9058R29-19-C
D=13	18.00	21.00	P9058S29-19-D	P9058R29-19-D



HOUSING, Disconnectable

P9058H

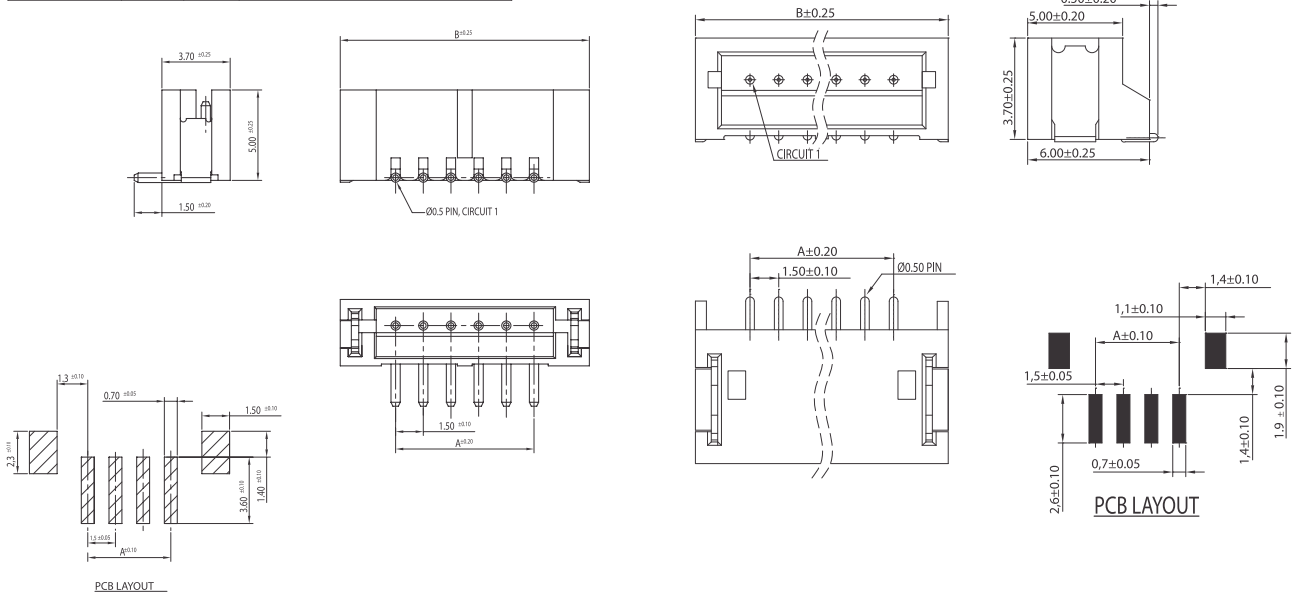
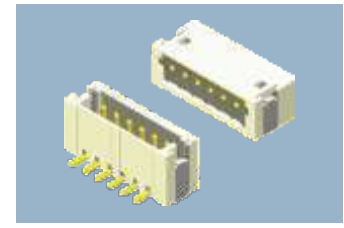
No. Of Ways	Dimension		Part Number
	A±0.20	B±0.25	
2	1.50	4.50	P9058H29-00-2
3	3.00	6.00	P9058H29-00-3
4	4.50	7.50	P9058H29-00-4
5	6.00	9.00	P9058H29-00-5
6	7.50	10.50	P9058H29-00-6
7	9.00	12.00	P9058H29-00-7
8	10.50	13.50	P9058H29-00-8
9	12.00	15.00	P9058H29-00-9
10	13.50	16.50	P9058H29-00-A
11	15.00	18.00	P9058H29-00-B
12	16.50	19.50	P9058H29-00-C
13	18.00	21.00	P9058H29-00-D



WAFER, Disconnectable, Surface Mount (Straight & Right Angle)

P9058M & P9058N

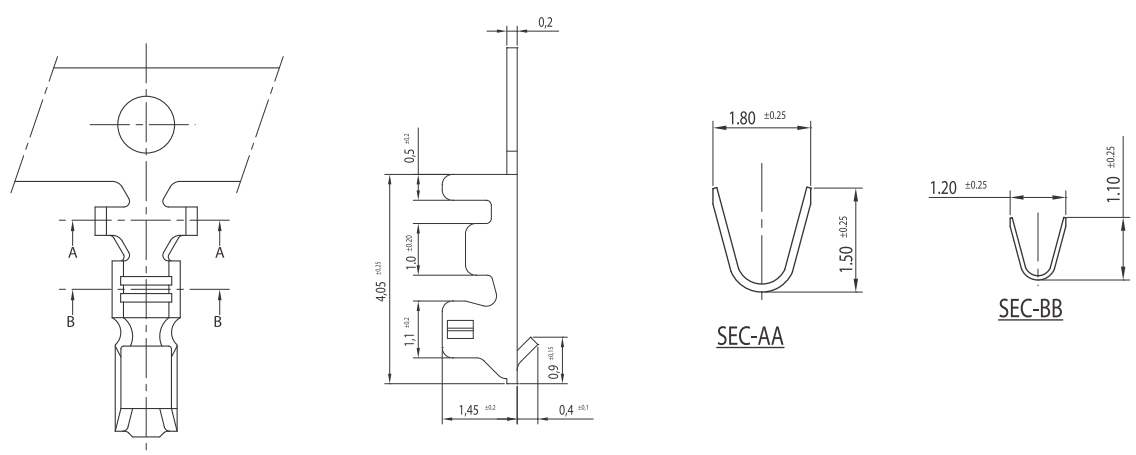
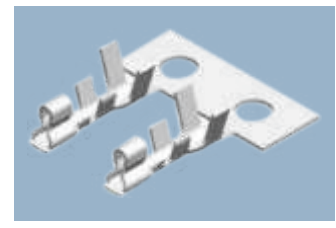
No. Of Ways	Dim. A	Dim. B	Part Number	
			Straight	Rirht Angle
2	1.50	4.50	P9058M29-12-2	P9058N29-12-2
3	3.00	6.00	P9058M29-12-3	P9058N29-12-3
4	4.50	7.50	P9058M29-12-4	P9058N29-12-4
5	6.00	9.00	P9058M29-12-5	P9058N29-12-5
6	7.50	10.50	P9058M29-12-6	P9058N29-12-6
7	9.00	12.00	P9058M29-12-7	P9058N29-12-7
8	10.50	13.50	P9058M29-12-8	P9058N29-12-8
9	12.00	15.00	P9058M29-12-9	P9058N29-12-9
10	13.50	16.50	P9058M29-12-A	P9058N29-12-A
11	15.00	18.00	P9058M29-12-B	P9058N29-12-B
12	16.50	19.50	P9058M29-12-C	P9058N29-12-C
13	18.00	21.00	P9058M29-12-D	P9058N29-12-D



CRIMP TERMINAL, For ZH Connector, 1.50mm Pitch

P9058T

Finish	Part Number
Tin Plated	P9058T00-29



2.00MM (0.079") PITCH MINI LATCH CONNECTORS

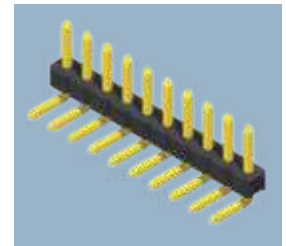
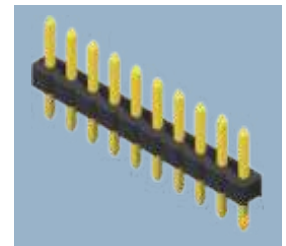
Specifications

No. of Ways	: 2-40 (Single row) 4-80 (Double row)	Material & Finish	
Voltage Rating	: 125V AC/DC	Crimp Contact	: Brass, Tin/Gold Plated
Current Rating	: 1A AC/DC	Square Pin	: Copper Alloy, Gold Plated
Contact Resistance	: 20mΩ Max	Insulator	: PBT, UL94V-0
Insulation Resistance	: 1000MΩ Min		
Dielectric Withstanding	: 800V AC/Min		
Temperature Withstanding	: -25°C to + 125°C		
Crimp Terminal Wire Size	: 30-26 AWG		

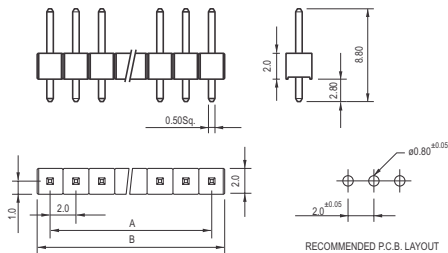
PIN HEADER, Single Row Straight/Right Angle

P9111A/P9112A

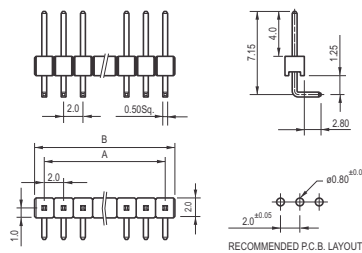
No. of Pins	Dim. A	Dim. B	No. of Pins	Dim. A	Dim. B	No. of Pins	Dim. A	Dim. B	No. of Pins	Dim. A	Dim. B
02	2.0	4.0	12	22.0	24.0	22	42.0	44.0	32	62.0	64.0
03	4.0	6.0	13	24.0	26.0	23	44.0	46.0	33	64.0	66.0
04	6.0	8.0	14	26.0	28.0	24	46.0	48.0	34	66.0	68.0
05	8.0	10.0	15	28.0	30.0	25	48.0	50.0	35	68.0	70.0
06	10.0	12.0	16	30.0	32.0	26	50.0	52.0	36	70.0	72.0
07	12.0	14.0	17	32.0	34.0	27	52.0	54.0	37	72.0	74.0
08	14.0	16.0	18	34.0	36.0	28	54.0	56.0	38	74.0	76.0
09	16.0	18.0	19	36.0	38.0	29	56.0	58.0	39	76.0	78.0
10	18.0	20.0	20	38.0	40.0	30	58.0	60.0	40	78.0	80.0
11	20.0	22.0	21	40.0	42.0	31	60.0	62.0			



P9111AXX-11-1
XX-No. of Contacts: 02-40



P9112AXX-11-1
XX-No. of Contacts: 02-40



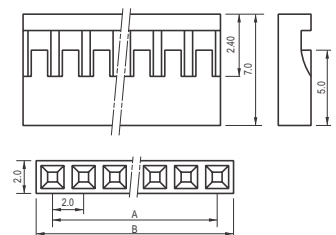
HOUSING, Single Row

P9111H

No. of Pins	Dim. A	Dim. B	No. of Pins	Dim. A	Dim. B	No. of Pins	Dim. A	Dim. B	No. of Pins	Dim. A	Dim. B
02	2.0	4.0	12	22.0	24.0	22	42.0	44.0	32	62.0	64.0
03	4.0	6.0	13	24.0	26.0	23	44.0	46.0	33	64.0	66.0
04	6.0	8.0	14	26.0	28.0	24	46.0	48.0	34	66.0	68.0
05	8.0	10.0	15	28.0	30.0	25	48.0	50.0	35	68.0	70.0
06	10.0	12.0	16	30.0	32.0	26	50.0	52.0	36	70.0	72.0
07	12.0	14.0	17	32.0	34.0	27	52.0	54.0	37	72.0	74.0
08	14.0	16.0	18	34.0	36.0	28	54.0	56.0	38	74.0	76.0
09	16.0	18.0	19	36.0	38.0	29	56.0	58.0	39	76.0	78.0
10	18.0	20.0	20	38.0	40.0	30	58.0	60.0	40	78.0	80.0
11	20.0	22.0	21	40.0	42.0	31	60.0	62.0			



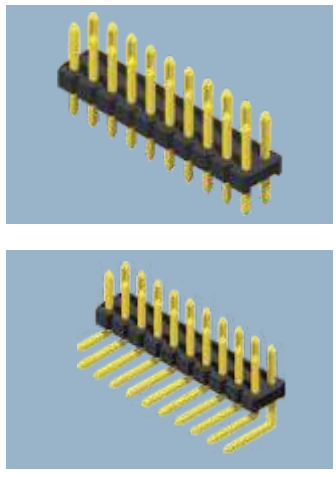
P9111H50-00XX
XX-No. of Contacts: 02-40



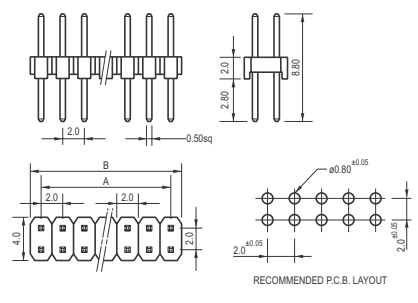
PIN HEADER, Double Row Straight/Right Angle

P9113A/P9114A

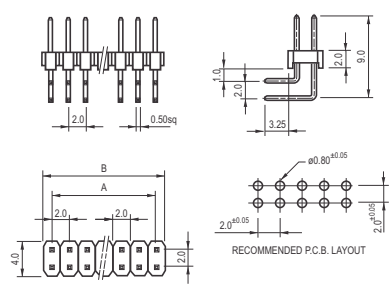
No. of Pins	Dim. A	Dim. B	No. of Pins	Dim. A	Dim. B	No. of Pins	Dim. A	Dim. B	No. of Pins	Dim. A	Dim. B
04	2.0	4.0	24	22.0	24.0	44	42.0	44.0	64	62.0	64.0
06	4.0	6.0	26	24.0	26.0	46	44.0	46.0	66	64.0	66.0
08	6.0	8.0	28	26.0	28.0	48	46.0	48.0	68	66.0	68.0
10	8.0	10.0	30	28.0	30.0	50	48.0	50.0	70	68.0	70.0
12	10.0	12.0	32	30.0	32.0	52	50.0	52.0	72	70.0	72.0
14	12.0	14.0	34	32.0	34.0	54	52.0	54.0	74	72.0	74.0
16	14.0	16.0	36	34.0	36.0	56	54.0	56.0	76	74.0	76.0
18	16.0	18.0	38	36.0	38.0	58	56.0	58.0	78	76.0	78.0
20	18.0	20.0	40	38.0	40.0	60	58.0	60.0	80	78.0	80.0
22	20.0	22.0	42	40.0	42.0	62	60.0	62.0			



P9113AXX-11-1
XX-No. of Contacts: 04-80



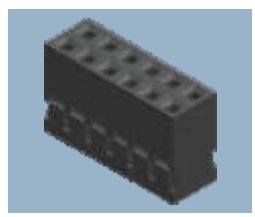
P9114AXX-1A-1
XX-No. of Contacts: 04-80



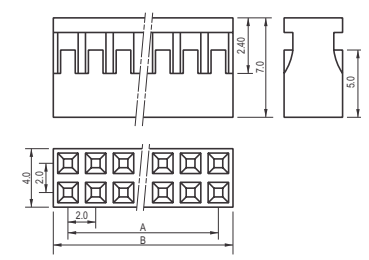
HOUSING, Double Row

P9113H

No. of Pins	Dim. A	Dim. B	No. of Pins	Dim. A	Dim. B	No. of Pins	Dim. A	Dim. B	No. of Pins	Dim. A	Dim. B
04	2.0	4.0	24	22.0	24.0	44	42.0	44.0	64	62.0	64.0
06	4.0	6.0	26	24.0	26.0	46	44.0	46.0	66	64.0	66.0
08	6.0	8.0	28	26.0	28.0	48	46.0	48.0	68	66.0	68.0
10	8.0	10.0	30	28.0	30.0	50	48.0	50.0	70	68.0	70.0
12	10.0	12.0	32	30.0	32.0	52	50.0	52.0	72	70.0	72.0
14	12.0	14.0	34	32.0	34.0	54	52.0	54.0	74	72.0	74.0
16	14.0	16.0	36	34.0	36.0	56	54.0	56.0	76	74.0	76.0
18	16.0	18.0	38	36.0	38.0	58	56.0	58.0	78	76.0	78.0
20	18.0	20.0	40	38.0	40.0	60	58.0	60.0	80	78.0	80.0
22	20.0	22.0	42	40.0	42.0	62	60.0	62.0			



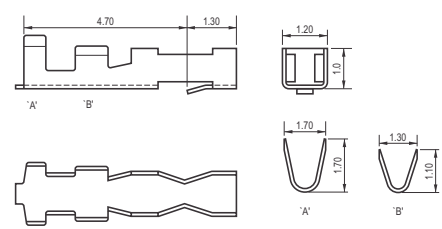
P9113H50-00XX
XX - No. of Contacts : 04-80



CRIMP TERMINAL

P911XT

Description	Part Number	
	Tin Plated	Gold Plated
Crimp Terminal	P911XT00-19	P911XT00-12



2.00MM (0.079") PITCH DISCONNECTABLE PH CONNECTORS

P9057 Series

Specifications

No. of Ways	: 2-15
Voltage Rating	: 125V AC, DC
Current Rating	: 2A AC, DC
Contact Resistance	: 20mΩ max.
Insulation Resistance	: 1000MΩ min.
Dielectric Withstanding	: 1500V AC/minute
Temperature Range	: -25°C to +125°C
Crimp Terminal Wire Size	: 24-30 AWG
Insulation O.D	: 1.40mm max.

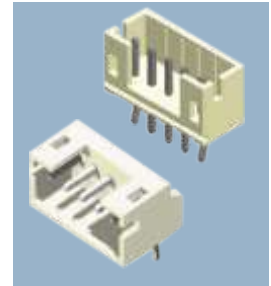
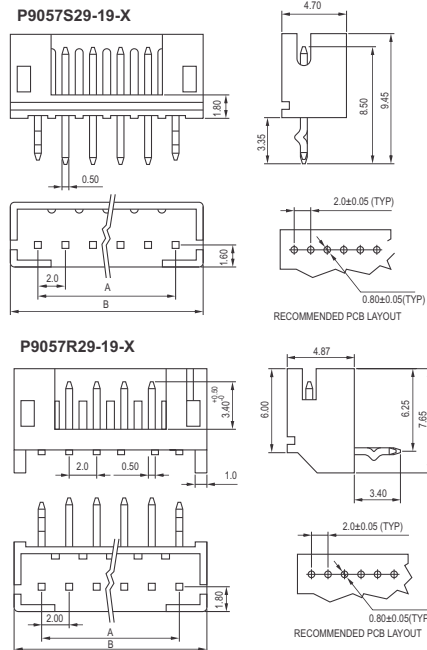
Material & Finish

Crimp Contact	: Copper Alloy, Tin Plated
Square Pin	: Copper Alloy, Tin Plated
Insulator	: Nylon, UL 94V-0

WAFER, Disconnectable (Straight & Right Angle)

P9057S & P9057R

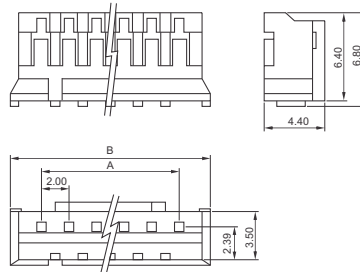
No. of Ways	Dimensions		Part Number	
	A	B	Straight	Right Angle
2	2.00	6.00	P9057S29-19-2	P9057R29-19-2
3	4.00	8.00	P9057S29-19-3	P9057R29-19-3
4	6.00	10.00	P9057S29-19-4	P9057R29-19-4
5	8.00	12.00	P9057S29-19-5	P9057R29-19-5
6	10.00	14.00	P9057S29-19-6	P9057R29-19-6
7	12.00	16.00	P9057S29-19-7	P9057R29-19-7
8	14.00	18.00	P9057S29-19-8	P9057R29-19-8
9	16.00	20.00	P9057S29-19-9	P9057R29-19-9
A=10	18.00	22.00	P9057S29-19-A	P9057R29-19-A
B=11	20.00	24.00	P9057S29-19-B	P9057R29-19-B
C=12	22.00	26.00	P9057S29-19-C	P9057R29-19-C
D=13	24.00	28.00	P9057S29-19-D	P9057R29-19-D
E=14	26.00	30.00	P9057S29-19-E	P9057R29-19-E
F=15	28.00	32.00	P9057S29-19-F	P9057R29-19-F
G=16	30.00	34.00	P9057S29-19-G	P9057R29-19-G



HOUSING Disconnectable

P9057H

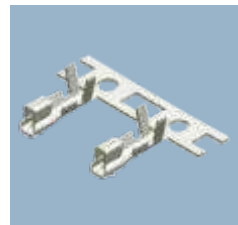
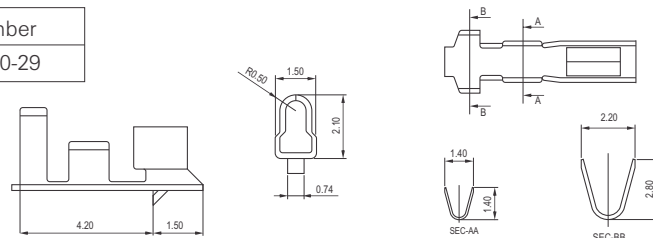
No. of Ways	Dimensions		Part Number
	A	B	
2	2.00	6.00	P9057H29-00-2
3	4.00	8.00	P9057H29-00-3
4	6.00	10.00	P9057H29-00-4
5	8.00	12.00	P9057H29-00-5
6	10.00	14.00	P9057H29-00-6
7	12.00	16.00	P9057H29-00-7
8	14.00	18.00	P9057H29-00-8
9	16.00	20.00	P9057H29-00-9
A=10	18.00	22.00	P9057H29-00-A
B=11	20.00	24.00	P9057H29-00-B
C=12	22.00	26.00	P9057H29-00-C
D=13	24.00	28.00	P9057H29-00-D
E=14	26.00	30.00	P9057H29-00-E
F=15	28.00	32.00	P9057H29-00-F



CRIMP TERMINAL

P9057T

Finish	Part Number
Tin Plated	P9057T00-29



2.00MM (0.079") PITCH DISCONNECTABLE PHD CONNECTORS DOUBLE ROW

P9069 Series

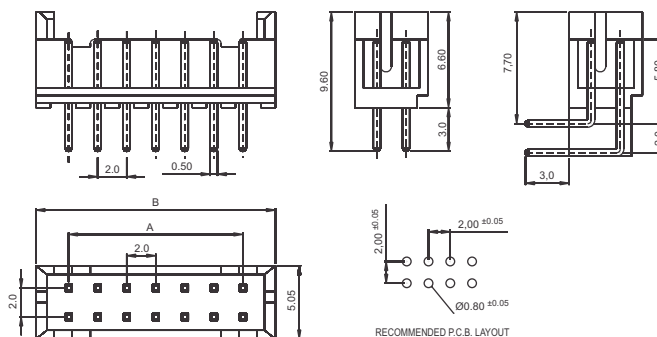
Specifications

No. of Ways	: 4-40	Dielectric Withstanding	: 800V AC/minute	Material & Finish	
Voltage Rating	: 250V AC, DC	Temperature Range	: -25°C to +85°C	Crimp Contact	: Copper Alloy, Tin Plated
Current Rating	: 3A AC, DC	Crimp Terminal Wire Size	: 22-28 AWG	Square Pin	: Copper Alloy, Tin Plated
Contact Resistance	: 10mΩ max.	Insulation O.D	: 1.50mm max.	Insulator	: Nylon 66, UL 94V-0
Insulation Resistance	: 1000MΩ min.				

WAFER, Disconnectable Double Row (Straight & Right Angle)

P9069S & P9069R

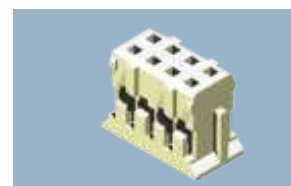
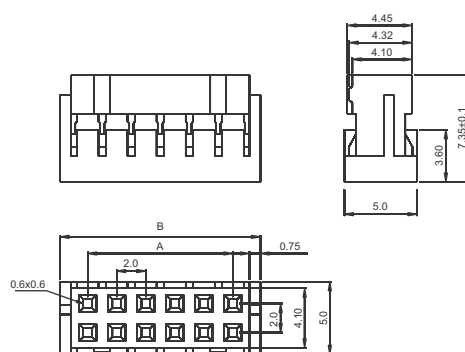
Circuits	Dim.		Part Number	
	A	B	Straight	Right Angle
4	2.00	6.00	P9069S29-19-04	P9069R29-19-04
6	4.00	8.00	P9069S29-19-06	P9069R29-19-06
8	6.00	10.00	P9069S29-19-08	P9069R29-19-08
10	8.00	12.00	P9069S29-19-10	P9069R29-19-10
12	10.00	14.00	P9069S29-19-12	P9069R29-19-12
14	12.00	16.00	P9069S29-19-14	P9069R29-19-14
16	14.00	18.00	P9069S29-19-16	P9069R29-19-16
18	16.00	20.00	P9069S29-19-18	P9069R29-19-18
20	18.00	22.00	P9069S29-19-20	P9069R29-19-20
22	20.00	24.00	P9069S29-19-22	P9069R29-19-22
24	22.00	26.00	P9069S29-19-24	P9069R29-19-24
26	24.00	28.00	P9069S29-19-26	P9069R29-19-26
28	26.00	30.00	P9069S29-19-28	P9069R29-19-28
30	28.00	32.00	P9069S29-19-30	P9069R29-19-30
32	30.00	34.00	P9069S29-19-32	P9069R29-19-32
34	32.00	36.00	P9069S29-19-34	P9069R29-19-34
36	34.00	38.00	P9069S29-19-36	P9069R29-19-36
38	36.00	40.00	P9069S29-19-38	P9069R29-19-38
40	38.00	42.00	P9069S29-19-40	P9069R29-19-40



HOUSING, Disconnectable Double Row

P9069H

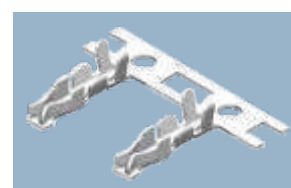
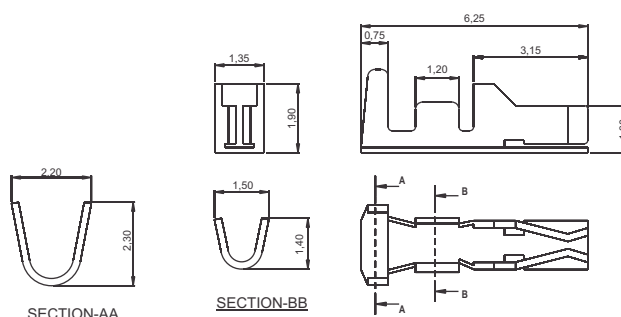
Circuits	Dim.		Part Number
	A	B	
4	2.00	5.80	P9069H29-00-04
6	4.00	7.80	P9069H29-00-06
8	6.00	9.80	P9069H29-00-08
10	8.00	11.80	P9069H29-00-10
12	10.00	13.80	P9069H29-00-12
14	12.00	15.80	P9069H29-00-14
16	14.00	17.80	P9069H29-00-16
18	16.00	19.80	P9069H29-00-18
20	18.00	21.80	P9069H29-00-20
22	20.00	23.80	P9069H29-00-22
24	22.00	25.80	P9069H29-00-24
26	24.00	27.80	P9069H29-00-26
28	26.00	29.80	P9069H29-00-28
30	28.00	31.80	P9069H29-00-30
32	30.00	33.80	P9069H29-00-32
34	32.00	35.80	P9069H29-00-34
36	34.00	37.80	P9069H29-00-36
38	36.00	39.80	P9069H29-00-38
40	38.00	41.80	P9069H29-00-40



CRIMP TERMINAL

P9069T

Finish	Part Number
Tin Plated	P9069T00-29



2.50MM (0.098") PITCH RELIMATE XH CONNECTORS

P9052 Series

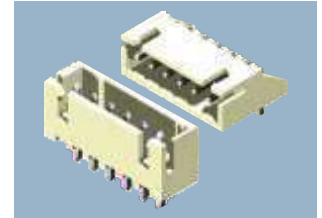
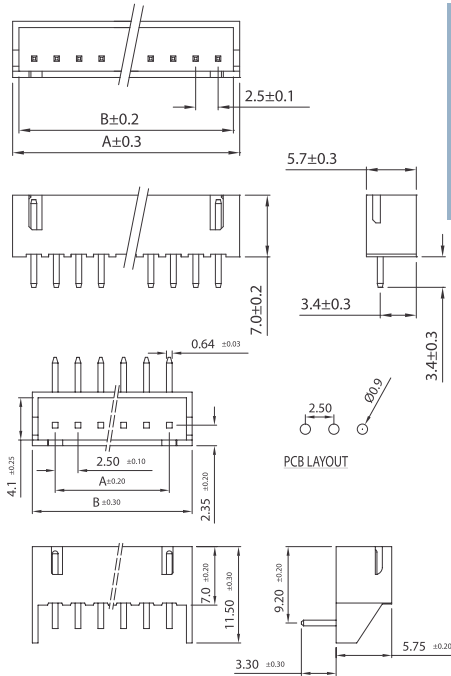
Specifications

No. of Ways	: 2-20	Insulation Resistance	: 1000MΩ min.	Material & Finish	
Voltage Rating	: 250V AC, DC	Dielectric Withstanding	: 1000V AC/minute	Crimp Contact	: Copper Alloy, Tin Plated
Current Rating	: 3A AC, DC	Temperature Range	: -25°C to +85°C	Square Pin	: Brass, Tin Plated
Contact Resistance	: 20mΩ max.	Crimp Terminal Wire Size	: 22-28 AWG	Insulator	: Nylon
		Insulation O.D	: 1.90mm max.		

WAFER With Ramp (Straight & Right Angle)

P9052S & P9052R

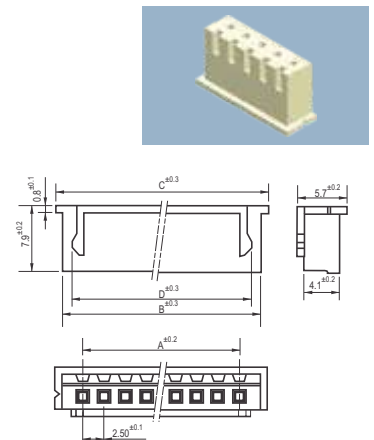
No. of Ways	Dimension		Part Number (Straight)	Part Number (Right Angle)
	A	B	Tin Plated	Tin Plated
2	2.5	7.5	P9052S29-19-2	P9052R29-19-2
3	5.0	10.0	P9052S29-19-3	P9052R29-19-3
4	7.5	12.5	P9052S29-19-4	P9052R29-19-4
5	10.0	15.0	P9052S29-19-5	P9052R29-19-5
6	12.5	17.5	P9052S29-19-6	P9052R29-19-6
7	15.0	20.0	P9052S29-19-7	P9052R29-19-7
8	17.5	22.5	P9052S29-19-8	P9052R29-19-8
9	20.0	25.0	P9052S29-19-9	P9052R29-19-9
10	22.5	27.5	P9052S29-19-A	P9052R29-19-A
11	25.0	30.0	P9052S29-19-B	P9052R29-19-B
12	27.5	32.5	P9052S29-19-C	P9052R29-19-C
13	30.0	35.0	P9052S29-19-D	P9052R29-19-D
14	32.5	37.5	P9052S29-19-E	P9052R29-19-E
15	35.0	40.0	P9052S29-19-F	P9052R29-19-F
16	37.5	42.5	P9052S29-19-G	P9052R29-19-G
17	40.0	45.0	P9052S29-19-H	P9052R29-19-H
18	42.5	47.5	P9052S29-19-I	P9052R29-19-I
19	45.0	50.0	P9052S29-19-J	P9052R29-19-J
20	47.5	52.5	P9052S29-19-K	P9052R29-19-K



HOUSING With Ramp

P9052H

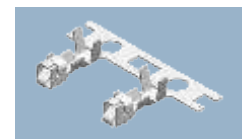
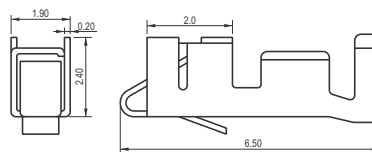
No. of Ways	Dimension				Part Number	No. of Ways	Dimension				Part Number
	A	B	C	D			A	B	C	D	
2	2.5	5.7	7.3	3.5	P9052H29-00-2	12	27.5	30.7	32.3	28.5	P9052H29-00-C
3	5.0	8.2	9.8	6.0	P9052H29-00-3	13	30.0	33.2	34.8	31.0	P9052H29-00-D
4	7.5	10.7	12.3	8.5	P9052H29-00-4	14	32.5	35.7	37.3	33.5	P9052H29-00-E
5	10.0	13.2	14.8	11.0	P9052H29-00-5	15	35.0	38.2	39.8	36.0	P9052H29-00-F
6	12.5	15.7	17.3	13.5	P9052H29-00-6	16	37.5	40.7	42.3	38.5	P9052H29-00-G
7	15.0	18.2	19.8	16.0	P9052H29-00-7	17	40.0	43.2	44.8	41.0	P9052H29-00-H
8	17.5	20.7	22.3	18.5	P9052H29-00-8	18	42.5	45.7	47.3	43.5	P9052H29-00-I
9	20.0	23.2	24.8	21.0	P9052H29-00-9	19	45.0	48.2	49.8	46.0	P9052H29-00-J
10	22.5	25.7	27.3	23.5	P9052H29-00-A	20	47.5	50.7	52.3	48.5	P9052H29-00-K
11	25.0	28.2	29.8	26.0	P9052H29-00-B						



CRIMP TERMINAL

P9052T

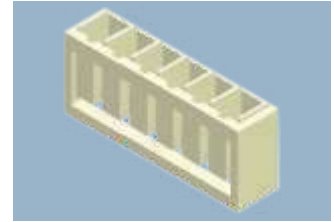
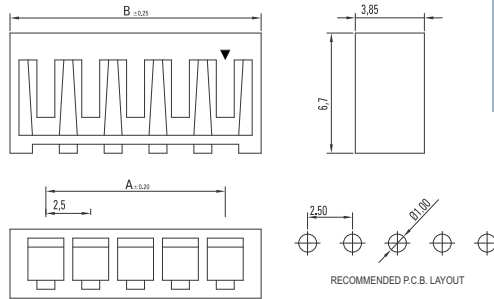
Finish	Part Number
Tin Plated	P9052T00-29



HOUSING For Board in Type Terminal

P9052PH

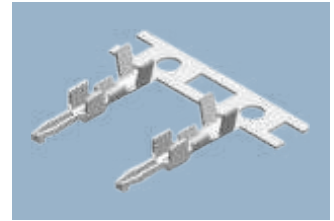
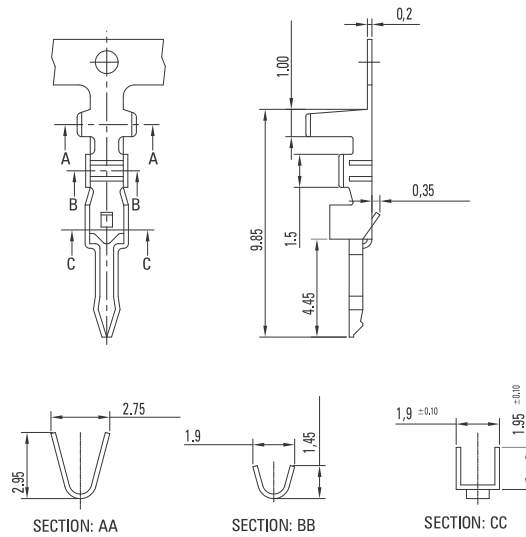
No. Of Ways	Part Number	Dimensions	
		A	B
2	P9052PH29-00-2	2.50	6.50
3	P9052PH29-00-3	5.00	9.00
4	P9052PH29-00-4	7.50	11.50
5	P9052PH29-00-5	10.00	14.00
6	P9052PH29-00-6	12.50	16.50
7	P9052PH29-00-7	15.00	19.00
8	P9052PH29-00-8	17.50	21.50
9	P9052PH29-00-9	20.00	24.00
10	P9052PH29-00-A	22.50	26.50
11	P9052PH29-00-B	25.00	29.00
12	P9052PH29-00-C	27.50	31.50
13	P9052PH29-00-D	30.00	34.00
14	P9052PH29-00-E	32.50	36.50
15	P9052PH29-00-F	35.00	39.00
16	P9052PH29-00-G	37.50	41.50



PLUG CRIMP TERMINAL

P9052PT

Finish	Part Number
Tin Plated	P9052PT00-29



2.50 MM (0.098") PITCH CONNECTORS (FRICTION LOCK HEADERS)

P9055 Series

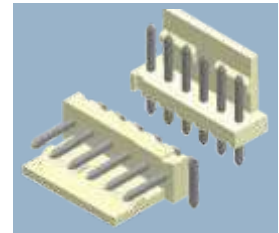
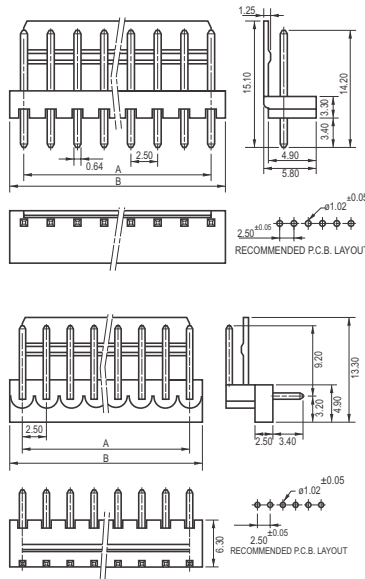
Specifications

No. of Ways	: 2-20	Dielectric Withstanding	: 1000V AC/minute	Material & Finish	
Voltage Rating	: 250V AC, DC	Temperature Range	: -25°C to +85°C	Crimp Contact	: Copper Alloy, Tin Plated
Current Rating	: 3A AC, DC	Crimp Terminal Wire Size	: 22-30 AWG	Square Pin	: Brass, Tin Plated
Contact Resistance	: 20mΩ max.	Insulation O.D	: 1.90mm max.	Insulator	: Nylon
Insulation Resistance	: 1000MΩ min.				

WAFER With Ramp (Straight & Right Angle)

P9055S & P9055R

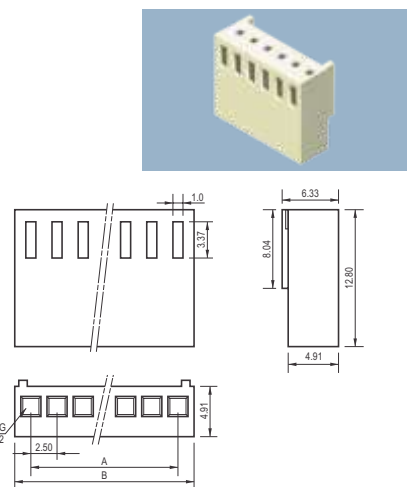
No. of Ways	Dimension		Part Number (Straight)	Part Number (Right Angle)
	A	B	Tin Plated	Tin Plated
2	2.5	5.0	P9055S29-19-2	P9055R29-19-2
3	5.0	7.5	P9055S29-19-3	P9055R29-19-3
4	7.5	10.0	P9055S29-19-4	P9055R29-19-4
5	10.0	12.5	P9055S29-19-5	P9055R29-19-5
6	12.5	15.0	P9055S29-19-6	P9055R29-19-6
7	15.0	17.5	P9055S29-19-7	P9055R29-19-7
8	17.5	20.0	P9055S29-19-8	P9055R29-19-8
9	20.0	22.5	P9055S29-19-9	P9055R29-19-9
10	22.5	25.0	P9055S29-19-A	P9055R29-19-A
11	25.0	27.5	P9055S29-19-B	P9055R29-19-B
12	27.5	30.0	P9055S29-19-C	P9055R29-19-C
13	30.0	32.5	P9055S29-19-D	P9055R29-19-D
14	32.5	35.0	P9055S29-19-E	P9055R29-19-E
15	35.0	37.5	P9055S29-19-F	P9055R29-19-F
16	37.5	40.0	P9055S29-19-G	P9055R29-19-G
17	40.0	42.5	P9055S29-19-H	P9055R29-19-H
18	42.5	45.0	P9055S29-19-I	P9055R29-19-I
19	45.0	47.5	P9055S29-19-J	P9055R29-19-J
20	47.5	50.0	P9055S29-19-K	P9055R29-19-K



HOUSING With Ramp

P9055H

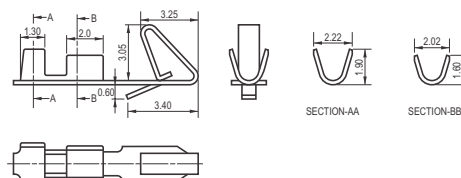
No. of Ways	Dimension		Part Number	No. of Ways	Dimension		Part Number
	A	B			A	B	
2	2.5	5.0	P9055H29-00-2	12	27.5	30.0	P9055H29-00-C
3	5.0	7.5	P9055H29-00-3	13	30.0	32.5	P9055H29-00-D
4	7.5	10.0	P9055H29-00-4	14	32.5	35.0	P9055H29-00-E
5	10.0	12.5	P9055H29-00-5	15	35.0	37.5	P9055H29-00-F
6	12.5	15.0	P9055H29-00-6	16	37.5	40.0	P9055H29-00-G
7	15.0	17.5	P9055H29-00-7	17	40.0	42.5	P9055H29-00-H
8	17.5	20.0	P9055H29-00-8	18	42.5	45.0	P9055H29-00-I
9	20.0	22.5	P9055H29-00-9	19	45.0	47.5	P9055H29-00-J
10	22.5	25.0	P9055H29-00-A	20	47.5	50.0	P9055H29-00-K
11	25.0	27.5	P9055H29-00-B				



CRIMP TERMINAL

P9050T

Finish	Part Number
Tin Plated	P9050T00-19



2.50MM (0.098") PITCH SHROUDED CONNECTORS

P9060 Series

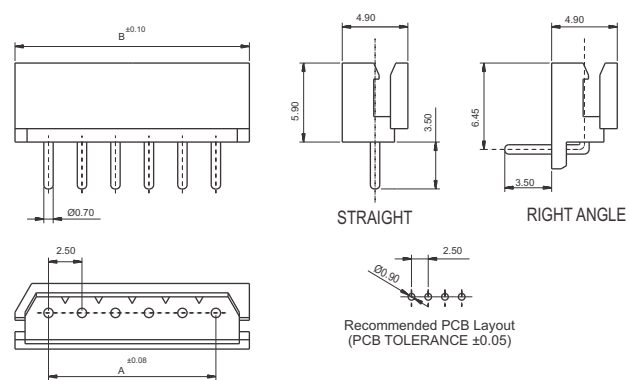
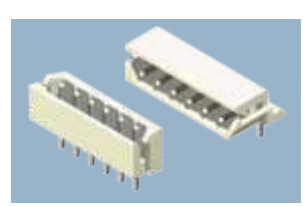
Specifications

No. of Ways	: 2-16	Dielectric Withstanding	: 1000V AC/minute	Material & Finish	
Voltage Rating	: 250V AC, DC	Temperature Range	: -25°C to +85°C	Crimp Contact	: Copper Alloy, Tin Plated
Current Rating	: 3A AC, DC	Crimp Terminal Wire Size	: 22-28 AWG	Round Pin	: Copper Alloy, Tin Plated
Contact Resistance	: 20mΩ max.	Insulation O.D	: 1.90mm max.	Insulator	: Nylon 66, UL 94V-0
Insulation Resistance	: 1000MΩ min.				

Wafer Shrouded, Round Type Pins (Straight & Right Angle)

P9060S & P9060R

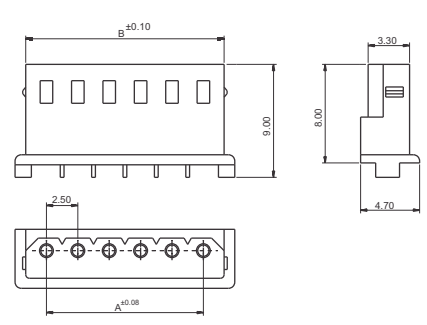
Circuits	Dim.		Part Number	
	A	B	Straight	Right Angle
2	2.50	7.50	P9060S29-19-2	P9060R29-19-2
3	5.00	10.00	P9060S29-19-3	P9060R29-19-3
4	7.50	12.50	P9060S29-19-4	P9060R29-19-4
5	10.00	15.00	P9060S29-19-5	P9060R29-19-5
6	12.50	17.50	P9060S29-19-6	P9060R29-19-6
7	15.00	20.00	P9060S29-19-7	P9060R29-19-7
8	17.50	22.50	P9060S29-19-8	P9060R29-19-8
9	20.00	25.00	P9060S29-19-9	P9060R29-19-9
A=10	22.50	27.50	P9060S29-19-A	P9060R29-19-A
B=11	25.00	30.00	P9060S29-19-B	P9060R29-19-B
C=12	27.50	32.50	P9060S29-19-C	P9060R29-19-C
D=13	30.00	35.00	P9060S29-19-D	P9060R29-19-D
E=14	32.50	37.50	P9060S29-19-E	P9060R29-19-E
F=15	35.00	40.00	P9060S29-19-F	P9060R29-19-F
G=16	37.50	42.50	P9069S29-19-G	P9069R29-19-G



Housing

P9060H

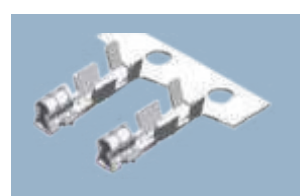
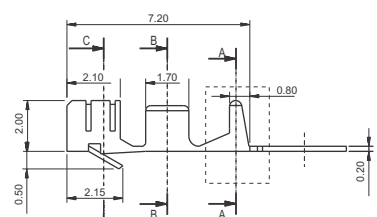
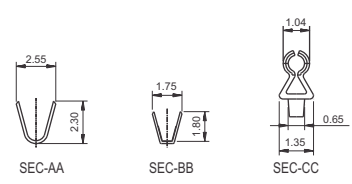
Circuits	Dim.		Part Number
	A	B	
2	2.50	5.80	P9060H29-00-2
3	5.00	8.30	P9060H29-00-3
4	7.50	10.80	P9060H29-00-4
5	10.00	13.30	P9060H29-00-5
6	12.50	15.80	P9060H29-00-6
7	15.00	18.30	P9060H29-00-7
8	17.50	20.80	P9060H29-00-8
9	20.00	23.30	P9060H29-00-9
A=10	22.50	25.80	P9060H29-00-A
B=11	25.00	28.30	P9060H29-00-B
C=12	27.50	30.80	P9060H29-00-C
D=13	30.00	33.30	P9060H29-00-D
E=14	32.50	35.80	P9060H29-00-E
F=15	35.00	38.30	P9060H29-00-F
G=16	37.50	40.80	P9060H29-00-G



Crimp Terminal

P9060T

Finish	Part Number
Tin Plated	P9060T00-29



2.50MM (0.098") PITCH, DISCONNECTABLE EH CONNECTORS

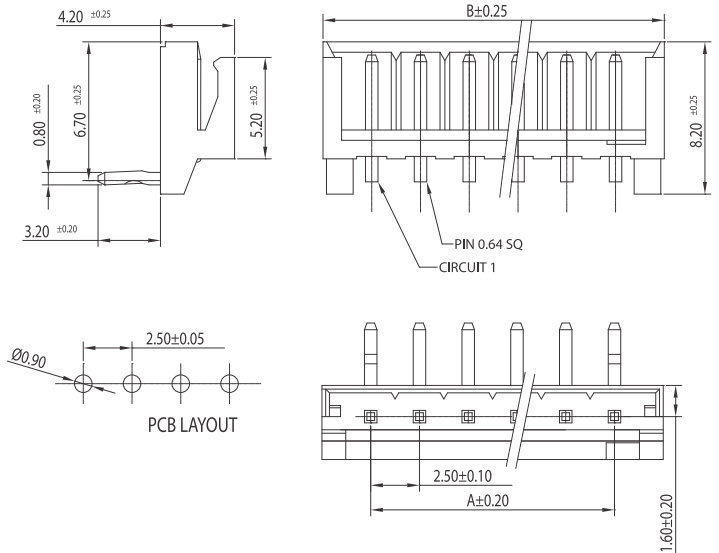
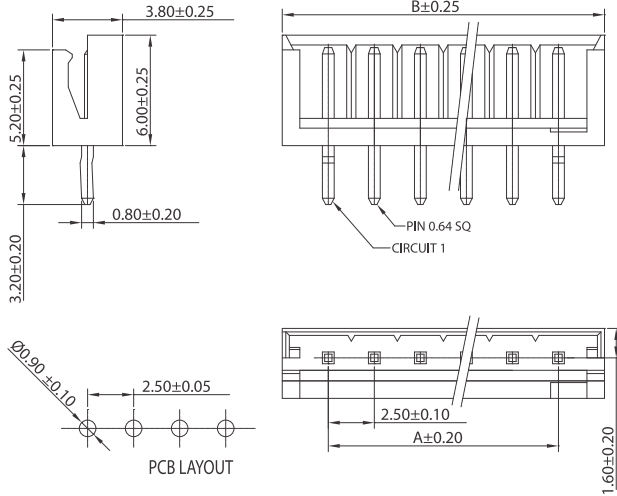
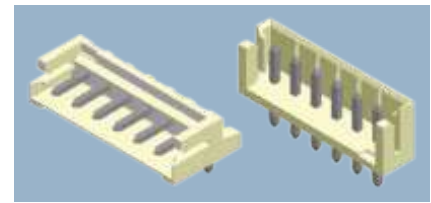
Specifications :

No. of Ways	: 2-15	Material & finish :	
Voltage Rating	: 250V AC,DC	Crimp Contact	: Copper Alloy Tin Plated
Current Rating	: 3A AC,DC	Square Pin	: Brass, Tin Plated
Contact Resistance	: 10mΩ max.	Insulator	: Nylon 66, UL94V-0
Insulation Resistance	: 1000MΩ min.		
Temperature Range	: -25°C to +85°C		
Dielectric Withstanding	: 800V AC/ minute		
Crimp Terminal Wire Size	: 22-30 AWG		
Insulation O.D	: 1.90mm max.		

WAFER Disconnectable (Straight & Right Angle)

P9064S & P9064R

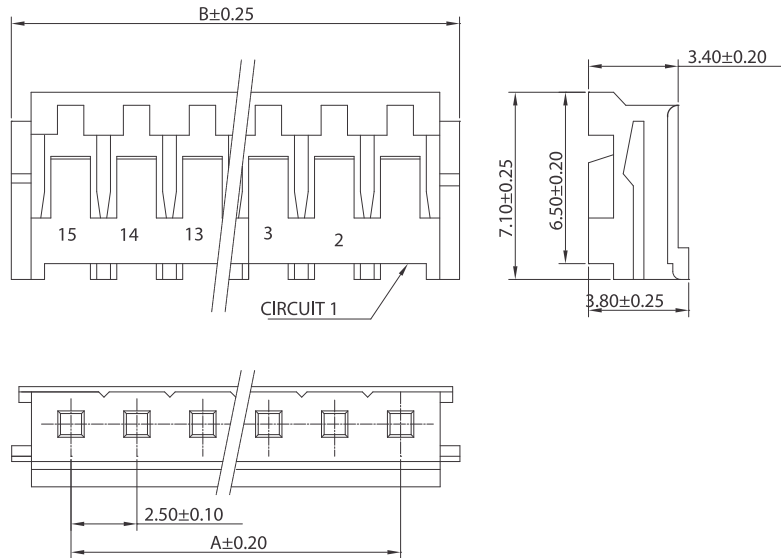
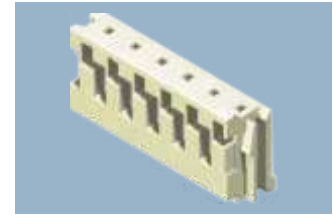
Ways No	Dimensions		Part Number	
	A	B	Straight	Right Angle
2	2.50	7.50	P9064S29-19-2	P9064R29-19-2
3	5.00	10.00	P9064S29-19-3	P9064R29-19-3
4	7.50	12.50	P9064S29-19-4	P9064R29-19-4
5	10.00	15.00	P9064S29-19-5	P9064R29-19-5
6	12.50	17.50	P9064S29-19-6	P9064R29-19-6
7	15.00	20.00	P9064S29-19-7	P9064R29-19-7
8	17.50	22.50	P9064S29-19-8	P9064R29-19-8
9	20.00	25.00	P9064S29-19-9	P9064R29-19-9
A=10	22.50	27.50	P9064S29-19-A	P9064R29-19-A
B=11	25.00	30.00	P9064S29-19-B	P9064R29-19-B
C=12	27.50	32.50	P9064S29-19-C	P9064R29-19-C
D=13	30.00	35.00	P9064S29-19-D	P9064R29-19-D
E=14	32.50	37.50	P9064S29-19-E	P9064R29-19-E
F=15	35.00	40.00	P9064S29-19-F	P9064R29-19-F



HOUSING, Disconnectable

P9064H

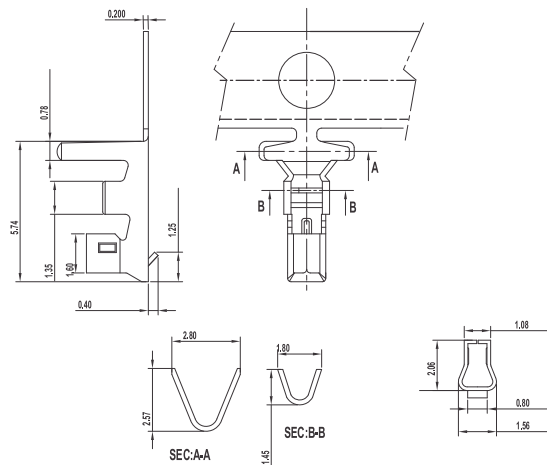
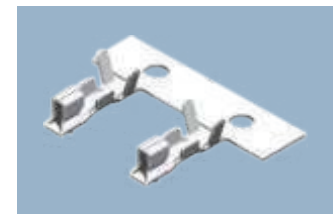
No Of Ways	Dimensions		Part Number
	A	B	
2	2.50	5.00	P9064H29-00-2
3	5.00	7.50	P9064H29-00-3
4	7.50	10.00	P9064H29-00-4
5	10.00	12.50	P9064H29-00-5
6	12.50	15.00	P9064H29-00-6
7	15.00	17.50	P9064H29-00-7
8	17.50	20.00	P9064H29-00-8
9	20.00	22.50	P9064H29-00-9
A=10	22.50	25.00	P9064H29-00-A
B=11	25.00	27.50	P9064H29-00-B
C=12	27.50	30.00	P9064H29-00-C
D=13	30.00	32.50	P9064H29-00-D
E=14	32.50	35.00	P9064H29-00-E
F=15	35.00	37.50	P9064H29-00-F



CRIMP TERMINAL

P9064T

Finish	Part Number
Tin plated	P9064T00-29



2.54 MM (0.100") PITCH CONNECTORS (FRICTION LOCK HEADERS)

P9050 Series

Specifications

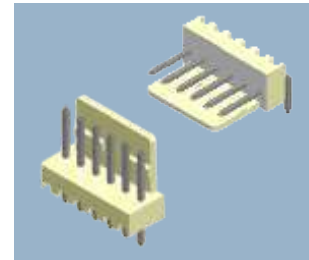
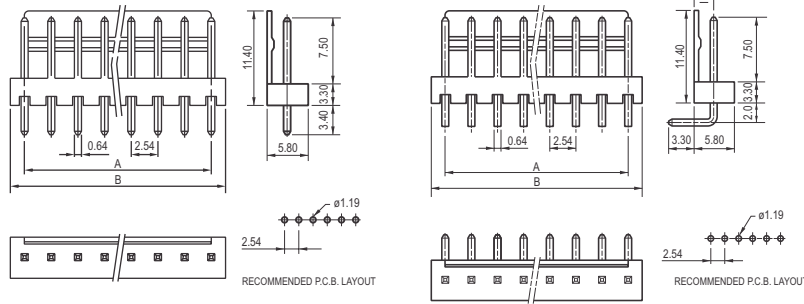
No. of Ways : 2-20
 Voltage Rating : 250V AC, DC
 Current Rating : 3A AC, DC
 Contact Resistance : 20mΩ max.
 Dielectric Withstanding : 1000V AC/minute
 Insulation Resistance : 1000MΩ min.
 Temperature Range : -25°C to +85°C
 Crimp Terminal Wire Size : 22-28 AWG
 Insulation O.D : 1.50mm max.

Material & Finish

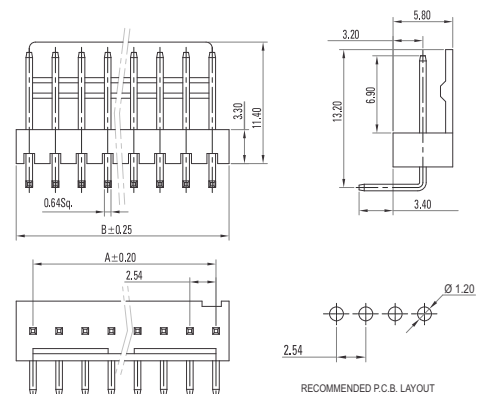
Crimp Contact : Copper Alloy, Tin Plated
 Square Pin : Brass, Tin Plated
 Insulator : Nylon, UL94V-2

WAFER With Ramp (Straight, Right Angle & Opposite Right Angle)

P9050S, P9050R & P9050RO



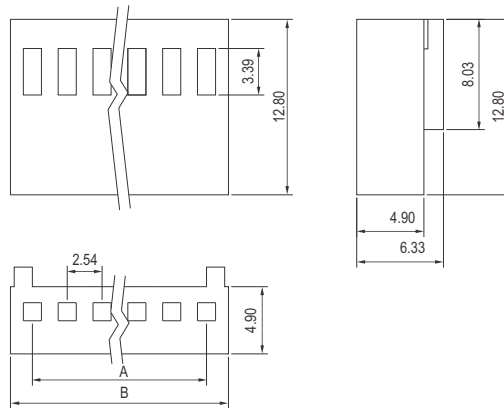
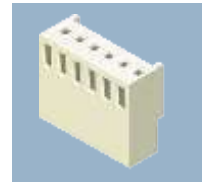
No. of Ways	Dimension		Part Number		
	A	B	(Straight)	(Right Angle)	(Opp. Right Angle)
			Tin Plated	Tin Plated	Tin Plated
2	2.54	5.08	P9050S29-19-2	P9050R29-19-2	P9050RO29-19-2
3	5.08	7.62	P9050S29-19-3	P9050R29-19-3	P9050RO29-19-3
4	7.62	10.16	P9050S29-19-4	P9050R29-19-4	P9050RO29-19-4
5	10.16	12.70	P9050S29-19-5	P9050R29-19-5	P9050RO29-19-5
6	12.70	15.24	P9050S29-19-6	P9050R29-19-6	P9050RO29-19-6
7	15.24	17.78	P9050S29-19-7	P9050R29-19-7	P9050RO29-19-7
8	17.78	20.32	P9050S29-19-8	P9050R29-19-8	P9050RO29-19-8
9	20.32	23.52	P9050S29-19-9	P9050R29-19-9	P9050RO29-19-9
10	22.86	26.06	P9050S29-19-A	P9050R29-19-A	P9050RO29-19-A
11	25.40	28.60	P9050S29-19-B	P9050R29-19-B	P9050RO29-19-B
12	27.94	31.14	P9050S29-19-C	P9050R29-19-C	P9050RO29-19-C
13	30.48	33.68	P9050S29-19-D	P9050R29-19-D	P9050RO29-19-D
14	33.02	36.22	P9050S29-19-E	P9050R29-19-E	P9050RO29-19-E
15	35.56	38.76	P9050S29-19-F	P9050R29-19-F	P9050RO29-19-F
16	38.10	41.30	P9050S29-19-G	P9050R29-19-G	P9050RO29-19-G
17	40.64	43.84	P9050S29-19-H	P9050R29-19-H	P9050RO29-19-H
18	43.18	46.38	P9050S29-19-I	P9050R29-19-I	P9050RO29-19-I
19	45.72	48.92	P9050S29-19-J	P9050R29-19-J	P9050RO29-19-J
20	48.26	51.46	P9050S29-19-K	P9050R29-19-K	P9050RO29-19-K



HOUSING With Ramp

P9050H

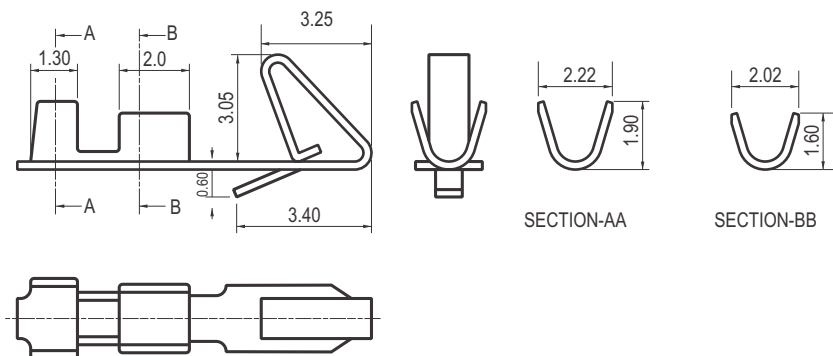
No. of Ways	Dimensions		Part Number
	A	B	
2	2.54	5.74	P9050H29-00-2
3	5.08	8.28	P9050H29-00-3
4	7.62	10.82	P9050H29-00-4
5	10.16	13.36	P9050H29-00-5
6	12.70	15.90	P9050H29-00-6
7	15.24	18.44	P9050H29-00-7
8	17.78	20.98	P9050H29-00-8
9	20.32	23.52	P9050H29-00-9
A=10	22.86	26.06	P9050H29-00-A
B=11	25.40	28.60	P9050H29-00-B
C=12	27.94	31.14	P9050H29-00-C
D=13	30.48	33.68	P9050H29-00-D
E=14	33.02	36.22	P9050H29-00-E
F=15	35.56	38.76	P9050H29-00-F
G=16	38.10	41.30	P9050H29-00-G
H=17	40.64	43.84	P9050H29-00-H
I=18	43.18	46.38	P9050H29-00-I
J=19	45.72	48.92	P9050H29-00-J
K=20	48.26	51.46	P9050H29-00-K



CRIMP TERMINAL

P9050T

Finish	Part Number
Tin Plated	P9050T00-19



2.54 MM (0.100") PITCH CENTRE P.C. BOARD CONNECTORS

P9075 Series

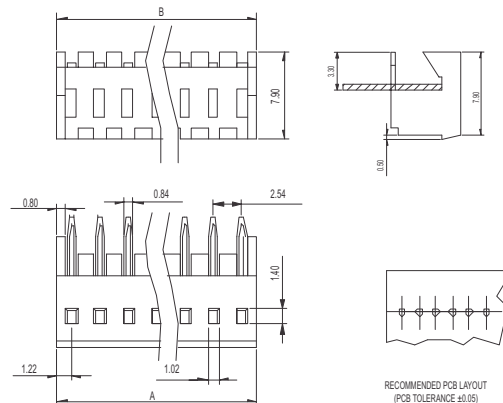
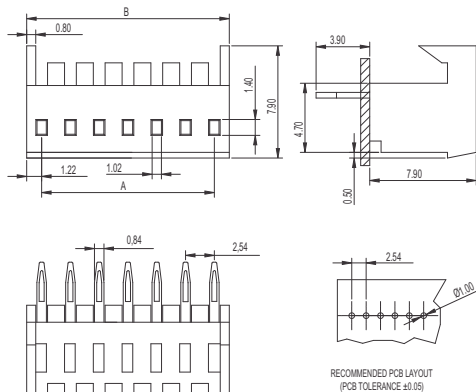
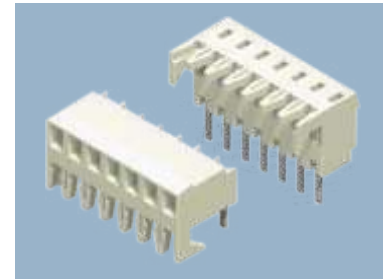
Specifications

No. of Ways	: 2-25 way	Material & Finish	
Voltage Rating	: 250V AC, DC	Insulator	: Nylon 66, UL94V-2
Current Rating	: 3A AC, DC	Contacts	: Brass, Tin Plated
Contact Resistance	: 10mΩ max.		
Dielectric Withstanding	: 1500V AC/minute		
Insulation Resistance	: 5000MΩ min.		
Temperature Range	: -25°C to +85°C		

WAFER CENTRE P.C. BOARD (Straight & Right Angle)

P9075S & P9075R

No. of Ways	Dimensions		Part Number	
	A A±0.20	B B±0.20	Straight	Right Angle
2	2.54	5.08	P9075S29-19-2	P9075R29-19-2
3	5.08	7.62	P9075S29-19-3	P9075R29-19-3
4	7.62	10.16	P9075S29-19-4	P9075R29-19-4
5	10.16	12.70	P9075S29-19-5	P9075R29-19-5
6	12.70	15.24	P9075S29-19-6	P9075R29-19-6
7	15.24	17.78	P9075S29-19-7	P9075R29-19-7
8	17.78	20.32	P9075S29-19-8	P9075R29-19-8
9	20.32	22.86	P9075S29-19-9	P9075R29-19-9
A=10	22.86	25.40	P9075S29-19-A	P9075R29-19-A
B=11	25.40	27.94	P9075S29-19-B	P9075R29-19-B
C=12	27.94	30.48	P9075S29-19-C	P9075R29-19-C
D=13	30.48	33.02	P9075S29-19-D	P9075R29-19-D
E=14	33.02	35.56	P9075S29-19-E	P9075R29-19-E
F=15	35.56	38.10	P9075S29-19-F	P9075R29-19-F
G=16	38.10	40.64	P9075S29-19-G	P9075R29-19-G
H=17	40.64	43.18	P9075S29-19-H	P9075R29-19-H
I=18	43.18	45.72	P9075S29-19-I	P9075R29-19-I
J=19	45.72	48.26	P9075S29-19-J	P9075R29-19-J
K=20	48.26	50.80	P9075S29-19-K	P9075R29-19-K
L=21	50.80	53.34	P9075S29-19-L	P9075R29-19-L
M=22	53.34	55.88	P9075S29-19-M	P9075R29-19-M
N=23	55.88	58.42	P9075S29-19-N	P9075R29-19-N
O=24	58.42	60.96	P9075S29-19-O	P9075R29-19-O
P=25	60.96	63.50	P9075S29-19-P	P9075R29-19-P



2.54MM (0.100") PITCH MINI LATCH CONNECTORS

P910 Series

Specifications

No. of Ways : 2-25
 Voltage Rating : 250V AC, DC
 Current Rating : 3A AC, DC
 Contact Resistance : 10mΩ max.
 Insulation Resistance : 5000MΩ min.
 Dielectric Withstanding : 1500V AC/minute
 Temperature Range : -25°C to +85°C

Crimp Terminal Wire Size : 22-28 AWG
 Insulation O.D : 1.50mm max.

Material & Finish

Crimp Contact : Copper Alloy, Tin Plated
 Square Pin : Copper Alloy, Tin/Gold Plated
 Insulator : Polyester/Nylon, UL 94V-0

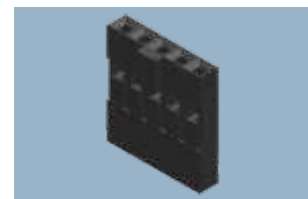
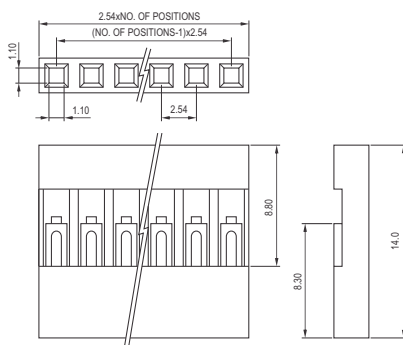
2.54mm (0.100") Pitch Pin Header Single Row

P9101 & P9102

P9101 & P9102 Ref to Page 48

HOUSING Single Row

P9101H



P9101H50-00XX

No. of Contacts: 01-40

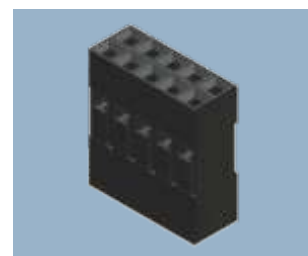
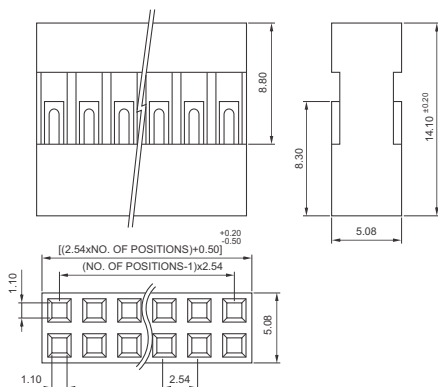
2.54mm (0.100") Pitch Pin Header Double Row

P9103 & P9104

P9103 & P9104 Ref to Page 48

HOUSING Double Row

P9103H



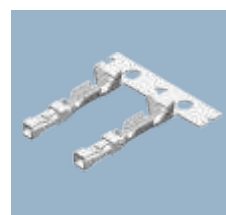
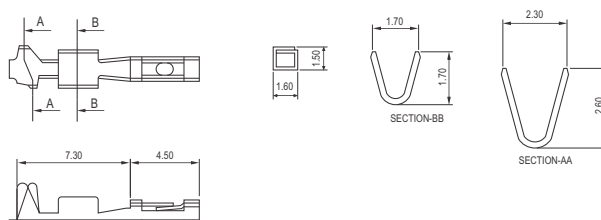
P9103H50-00XX

No. of Contacts: 02-80

CRIMP TERMINAL

P910XT

Finish	Part Number
Tin Plated	P910XT00-19



2.54MM (0.100") PITCH CONNECTORS FRICTION LOCK, SOLID TYPE

Specifications

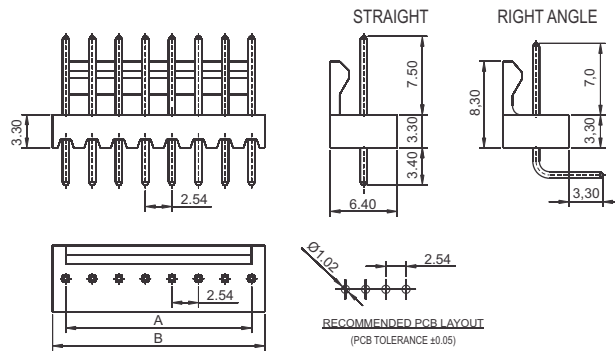
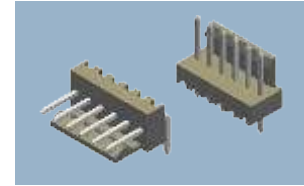
No. of Ways	: 2-20	Dielectric Withstanding	: 1000V AC/minute	Material & Finish	
Voltage Rating	: 250V AC, DC	Temperature Range	: -25°C to +85°C	Crimp Contact	: Copper Alloy, Tin Plated
Current Rating	: 3A AC, DC	Crimp Terminal Wire Size	: 24-30 AWG	Square Pin	: Copper Alloy, Tin Plated
Contact Resistance	: 10mΩ max.	Insulation O.D	: 1.57mm max.	Insulator	: Nylon 66, UL 94V-2, Red Color
Insulation Resistance	: 1000MΩ min.				

P9067 Series

SOLID HEADER, (Straight & Right Angle)

P9067S & P9067R

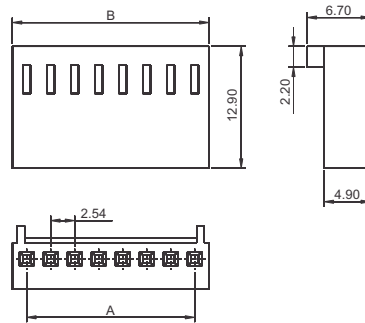
Circuits	Dimensions		Part Number	
	A	B	Straight	Right Angle
2	2.54	5.08	P9067S22-19-2	P9067R22-19-2
3	5.08	7.62	P9067S22-19-3	P9067R22-19-3
4	7.62	10.16	P9067S22-19-4	P9067R22-19-4
5	10.16	12.70	P9067S22-19-5	P9067R22-19-5
6	12.70	15.24	P9067S22-19-6	P9067R22-19-6
7	15.24	17.78	P9067S22-19-7	P9067R22-19-7
8	17.78	20.32	P9067S22-19-8	P9067R22-19-8
9	20.32	22.86	P9067S22-19-9	P9067R22-19-9
A=10	22.86	25.40	P9067S22-19-A	P9067R22-19-A
B=11	25.40	27.94	P9067S22-19-B	P9067R22-19-B
C=12	27.94	30.48	P9067S22-19-C	P9067R22-19-C
D=13	30.48	33.02	P9067S22-19-D	P9067R22-19-D
E=14	33.02	35.56	P9067S22-19-E	P9067R22-19-E
F=15	35.56	38.10	P9067S22-19-F	P9067R22-19-F
G=16	38.10	40.64	P9067S22-19-G	P9067R22-19-G
H=17	40.64	43.18	P9067S22-19-H	P9067R22-19-H
I=18	43.18	45.72	P9067S22-19-I	P9067R22-19-I
J=19	45.72	48.26	P9067S22-19-J	P9067R22-19-J
K=20	48.26	50.80	P9067S22-19-K	P9067R22-19-K



HOUSING

P9067H

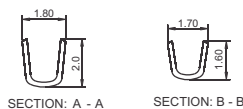
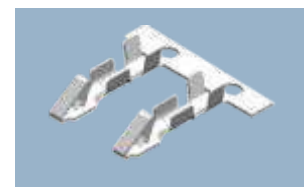
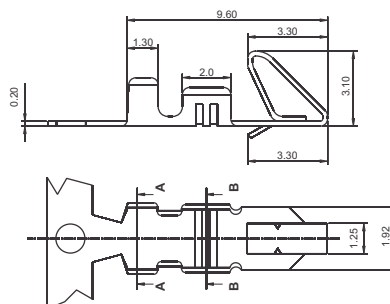
Circuits	Dimensions		Part Number
	A	B	
2	2.54	5.56	P9067H22-00-2
3	5.08	8.10	P9067H22-00-3
4	7.62	10.64	P9067H22-00-4
5	10.16	13.18	P9067H22-00-5
6	12.70	15.72	P9067H22-00-6
7	15.24	18.26	P9067H22-00-7
8	17.78	20.80	P9067H22-00-8
9	20.32	23.34	P9067H22-00-9
A=10	22.86	25.88	P9067H22-00-A
B=11	25.40	28.42	P9067H22-00-B
C=12	27.94	30.96	P9067H22-00-C
D=13	30.48	33.50	P9067H22-00-D
E=14	33.02	36.04	P9067H22-00-E
F=15	35.56	38.58	P9067H22-00-F
G=16	38.10	41.12	P9067H22-00-G
H=17	40.64	43.66	P9067H22-00-H
I=18	43.18	46.20	P9067H22-00-I
J=19	45.72	48.74	P9067H22-00-J
K=20	48.26	51.28	P9067H22-00-K



CRIMP TERMINAL

P9067T

Finish	Part Number
Tin Plated	P9067T00-29



2.54MM (0.100") PITCH MINI LATCH SHROUDED CONNECTORS

Specifications

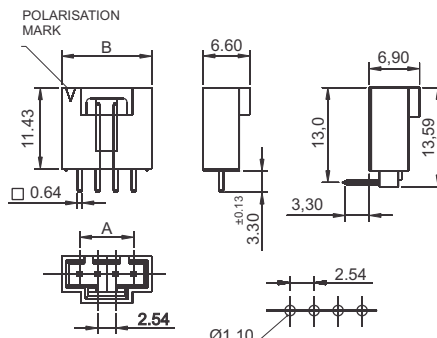
No. of Ways	: 2-12	Material & Finish	
Voltage Rating	: 250V AC, DC	Crimp Contact	: Copper Alloy, Tin Plated
Current Rating	: 3A AC, DC	Square Pin	: Copper Alloy, Gold Plated
Contact Resistance	: 20mΩ max.	Insulator	: PBT 30% GF, UL 94V-0, Black
Insulation Resistance	: 1000MΩ min.		
Dielectric Withstanding	: 1500V AC/minute		
Temperature Range	: -25°C to +85°C		
Crimp Terminal Wire Size	: 24-28 AWG		
Insulation O.D	: 1.60mm max.		

P9072 Series

WAFER, Mini Latch Shrouded Single Row (Straight & Right Angle)

P9072S & P9072R

Circuits	Dimensions		Part Number	
	A	B	Straight	Right Angle
2	2.54	7.62	P9072S20-12-2	P9072R20-12-2
3	5.08	10.16	P9072S20-12-3	P9072R20-12-3
4	7.62	12.70	P9072S20-12-4	P9072R20-12-4
5	10.16	15.24	P9072S20-12-5	P9072R20-12-5
6	12.70	17.78	P9072S20-12-6	P9072R20-12-6
7	15.24	20.32	P9072S20-12-7	P9072R20-12-7
8	17.78	22.86	P9072S20-12-8	P9072R20-12-8
9	20.32	25.40	P9072S20-12-9	P9072R20-12-9
10	22.86	27.94	P9072S20-12-A	P9072R20-12-A
11	25.40	30.48	P9072S20-12-B	P9072R20-12-B
12	27.94	33.02	P9072S20-12-C	P9072R20-12-C

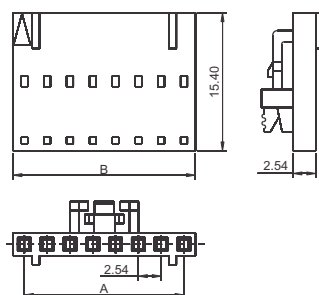


Recommended PCB Layout
(PCB tolerance ±0.05)

HOUSING, Mini Latch Single Row

P9072H

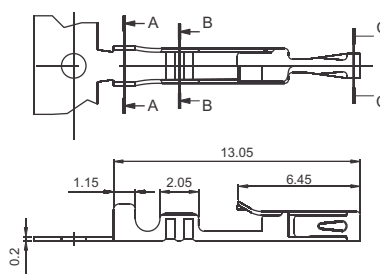
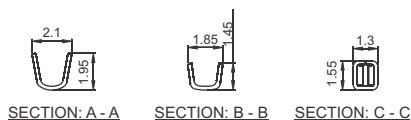
Circuits	Dimensions		Part Number
	A	B	
2	2.54	5.20	P9072H20-00-2
3	5.08	7.80	P9072H20-00-3
4	7.62	10.30	P9072H20-00-4
5	10.16	12.90	P9072H20-00-5
6	12.70	15.40	P9072H20-00-6
7	15.24	18.00	P9072H20-00-7
8	17.78	20.50	P9072H20-00-8
9	20.32	23.10	P9072H20-00-9
10	22.86	25.60	P9072H20-00-A
11	25.40	28.10	P9072H20-00-B
12	27.94	30.70	P9072H20-00-C



CRIMP TERMINAL

P9072T

Finish	Part Number
Tin Plated	P9072T00-29



3.00MM (0.118") PITCH MICRO FIT CONNECTORS

Specifications

No. of Ways	: 2-24
Voltage Rating	: 250V AC, DC
Current Rating	: 5A AC, DC
Contact Resistance	: 10mΩ max.
Insulation Resistance	: 1000MΩ min.
Dielectric Withstanding	: 1500V AC/minute
Temperature Range	: -25°C to +85°C
Crimp Terminal Wire Size	: 20-24 AWG
Insulation O.D	: 1.85mm max.

Material & Finish

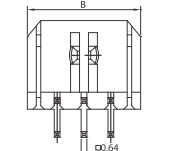
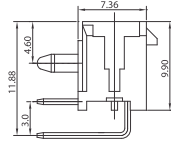
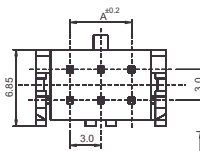
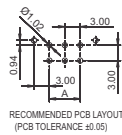
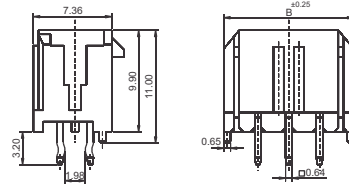
Crimp Contact	: Copper Alloy, Tin Plated
Square Pin	: Copper Alloy, Tin Plated
Insulator	: PBT 30% GF, UL94V-0

P9066 Series

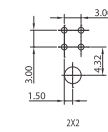
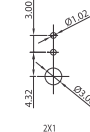
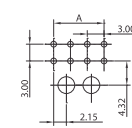
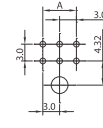
HEADER, Double Row With Pegs (Straight & Right Angle)

P9066S & P9066R

Circuits	Dimensions		Part Number
	A	B	
2	—	6.65	P9066S20-19-2
4	3.00	9.65	P9066S20-19-4
6	6.00	12.65	P9066S20-19-6
8	9.00	15.65	P9066S20-19-8
10	12.00	18.65	P9066S20-19-A
12	15.00	21.65	P9066S20-19-C
14	18.00	24.65	P9066S20-19-E
16	21.00	27.65	P9066S20-19-G
18	24.00	30.65	P9066S20-19-I
20	27.00	33.65	P9066S20-19-K
22	30.00	36.65	P9066S20-19-M
24	33.00	39.65	P9066S20-19-O



Circuits	Dimensions		Part Number
	A	B	
2	—	6.65	P9066R20-19-2
4	3.00	9.65	P9066R20-19-4
6	6.00	12.65	P9066R20-19-6
8	9.00	15.65	P9066R20-19-8
10	12.00	18.65	P9066R20-19-A
12	15.00	21.65	P9066R20-19-C
14	18.00	24.65	P9066R20-19-E
16	21.00	27.65	P9066R20-19-G
18	24.00	30.65	P9066R20-19-I
20	27.00	33.65	P9066R20-19-K
22	30.00	36.65	P9066R20-19-M
24	33.00	39.65	P9066R20-19-O

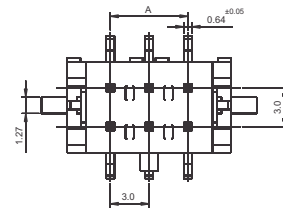
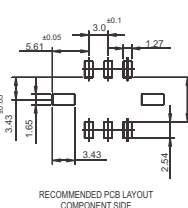
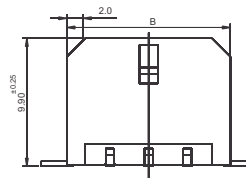
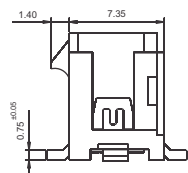


RECOMMENDED PCB LAYOUT
(PCB TOLERANCE ±0.05)

HEADER, Surface Mount Double Row

P9066M

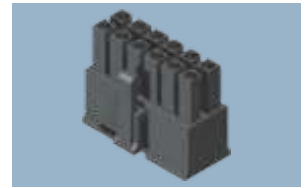
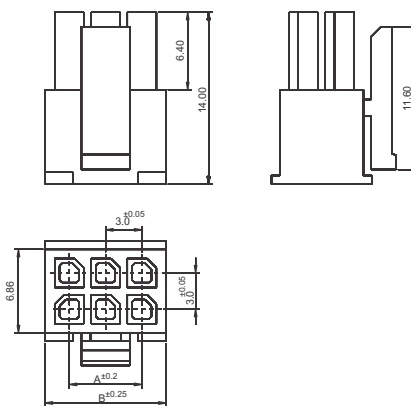
Circuits	Dimensions		Part Number
	A	B	
2	—	6.65	P9066M20-19-2R
4	3.00	9.65	P9066M20-19-4R
6	6.00	12.65	P9066M20-19-6R
8	9.00	15.65	P9066M20-19-8R
10	12.00	18.65	P9066M20-19-AR
12	15.00	21.65	P9066M20-19-CR
14	18.00	24.65	P9066M20-19-ER
16	21.00	27.65	P9066M20-19-GR
18	24.00	30.65	P9066M20-19-IR
20	27.00	33.65	P9066M20-19-KR
22	30.00	36.65	P9066M20-19-MR
24	33.00	39.65	P9066M20-19-OR



HOUSING, Double Row

P9066H

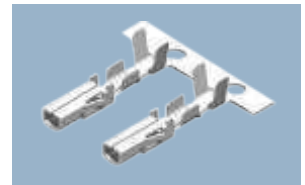
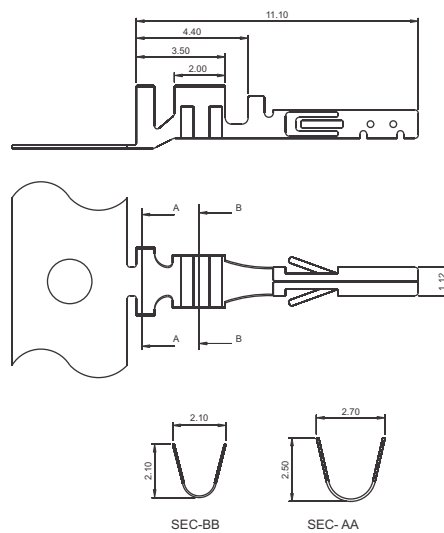
Circuits	Dimensions		Part Number
	A	B	
2	--	3.85	P9066H20-00-2
4	3.00	6.85	P9066H20-00-4
6	6.00	9.85	P9066H20-00-6
8	9.00	12.85	P9066H20-00-8
10	12.00	15.85	P9066H20-00-A
12	15.00	18.85	P9066H20-00-C
14	18.00	21.85	P9066H20-00-E
16	21.00	24.85	P9066H20-00-G
18	24.00	27.85	P9066H20-00-I
20	27.00	30.85	P9066H20-00-K
22	30.00	33.85	P9066H20-00-M
24	33.00	36.85	P9066H20-00-O



CRIMP TERMINAL

P9066T

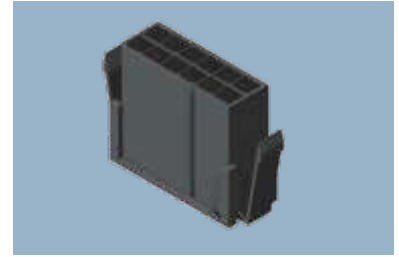
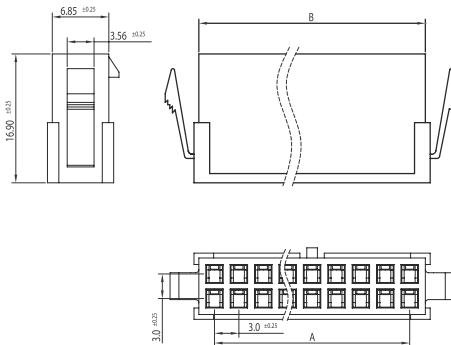
Finish	Part Number
Tin Plated	P9066T00-29



PLUG HOUSING Double Row

P9066PH

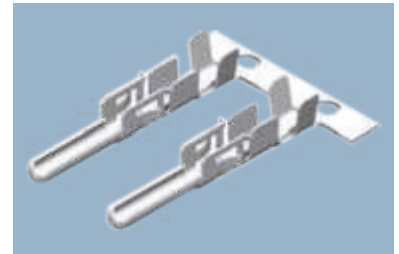
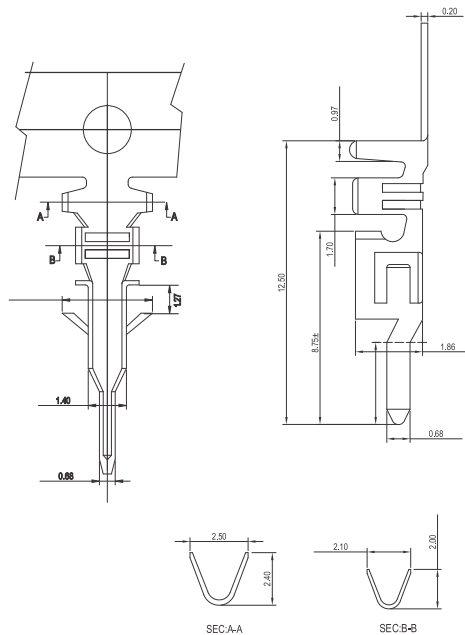
DIM. A	DIM. B	PART NUMBER
---	3.85	P9066PH20-00-2
3.00	6.85	P9066PH20-00-4
6.00	9.85	P9066PH20-00-6
9.00	12.85	P9066PH20-00-8
12.00	15.85	P9066PH20-00-A
15.00	18.85	P9066PH20-00-C
18.00	21.85	P9066PH20-00-E
21.00	24.85	P9066PH20-00-G
24.00	27.85	P9066PH20-00-I
27.00	30.85	P9066PH20-00-K
30.00	33.85	P9066PH20-00-M
33.00	36.85	P9066PH20-00-O



PLUG CRIMP TERMINAL

P9066PT

Finish	Part Number
Tin Plated	P9066PT00-29



3.96MM (0.156") PITCH CONNECTORS

P903 Series

Specifications

No. of Ways	: 2-18
Voltage Rating	: 250V AC, DC
Current Rating	: 7A AC, DC
Contact Resistance	: 20mΩ max.
Insulation Resistance	: 1000MΩ min.
Dielectric Withstanding	: 1500V AC/minute
Temperature Range	: -25°C to +85°C
Applicable PC board Thickness	: 1.6mm
Crimp Terminal Wire Size	: 18-24 AWG
Insulation O.D	: 2.80mm max.

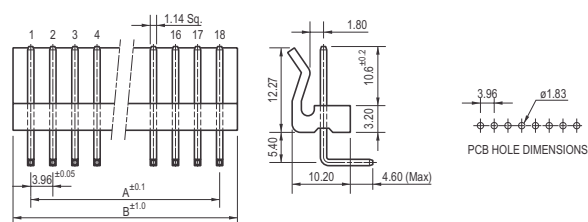
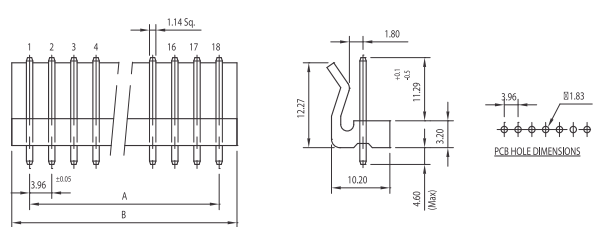
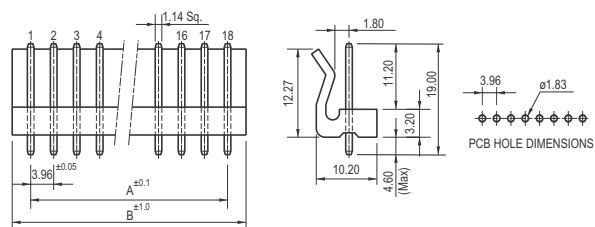
Material & Finish

Crimp Contact	: Copper Alloy, Tin/Gold Plated
Square Pin	: Brass, Tin/Gold Plated
Insulator	: Nylon

WAFER With Ramp (Straight & Right Angle)

P9031

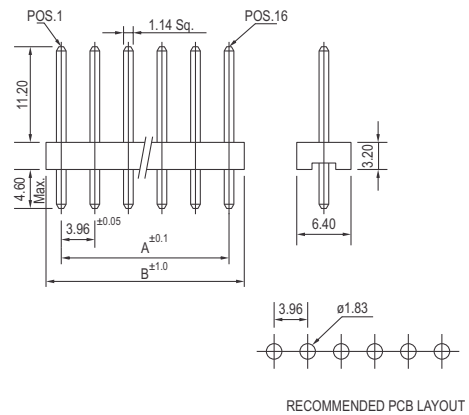
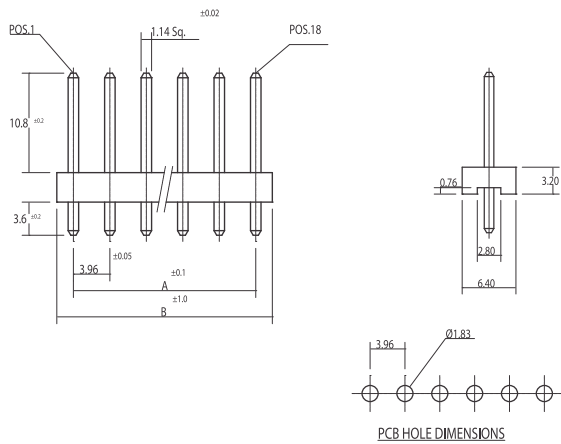
No. of Ways	Dimension		Part Number (Straight)			Part Number (Right Angle)	
	A±0.1	B±1.0	Tin Plated (L=17.50mm)	Tin Plated (L=19.00mm)	Gold Plated (L=17.50mm)	Tin Plated	Gold Plated
2	3.96	7.56	P9031-29-19-2	P9031D-29-19-2	P9031-29-12-2	P9032-29-19-2	P9032-29-12-2
3	7.92	11.52	P9031-29-19-3	P9031D-29-19-3	P9031-29-12-3	P9032-29-19-3	P9032-29-12-3
4	11.88	15.48	P9031-29-19-4	P9031D-29-19-4	P9031-29-12-4	P9032-29-19-4	P9032-29-12-4
5	15.84	19.44	P9031-29-19-5	P9031D-29-19-5	P9031-29-12-5	P9032-29-19-5	P9032-29-12-5
6	19.80	23.40	P9031-29-19-6	P9031D-29-19-6	P9031-29-12-6	P9032-29-19-6	P9032-29-12-6
7	23.76	27.36	P9031-29-19-7	P9031D-29-19-7	P9031-29-12-7	P9032-29-19-7	P9032-29-12-7
8	27.72	31.32	P9031-29-19-8	P9031D-29-19-8	P9031-29-12-8	P9032-29-19-8	P9032-29-12-8
9	31.68	35.28	P9031-29-19-9	P9031D-29-19-9	P9031-29-12-9	P9032-29-19-9	P9032-29-12-9
10	35.64	39.24	P9031-29-19-A	P9031D-29-19-A	P9031-29-12-A	P9032-29-19-A	P9032-29-12-A
11	39.60	43.20	P9031-29-19-B	P9031D-29-19-B	P9031-29-12-B	P9032-29-19-B	P9032-29-12-B
12	43.56	47.15	P9031-29-19-C	P9031D-29-19-C	P9031-29-12-C	P9032-29-19-C	P9032-29-12-C
13	47.52	51.12	P9031-29-19-D	P9031D-29-19-D	P9031-29-12-D	P9032-29-19-D	P9032-29-12-D
14	51.48	55.08	P9031-29-19-E	P9031D-29-19-E	P9031-29-12-E	P9032-29-19-E	P9032-29-12-E
15	55.44	59.04	P9031-29-19-F	P9031D-29-19-F	P9031-29-12-F	P9032-29-19-F	P9032-29-12-F
16	59.40	63.00	P9031-29-19-G	P9031D-29-19-G	P9031-29-12-G	P9032-29-19-G	P9032-29-12-G
17	63.36	66.96	P9031-29-19-H	P9031D-29-19-H	P9031-29-12-H	P9032-29-19-H	P9032-29-12-H
18	67.32	70.92	P9031-29-19-I	P9031D-29-19-I	P9031-29-12-I	P9032-29-19-I	P9032-29-12-I



WAFER Without Ramp (Straight)

P9033 / P9033 D

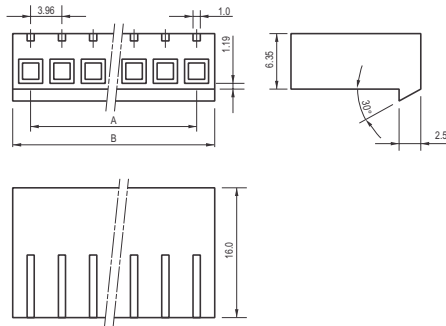
No. of Ways	Dimension		Part Number		
	A±0.1	B±1.0	Tin Plated (L=17.50mm)	Gold Plated (L=17.50mm)	Tin Plated (L=19.00mm)
2	3.96	7.56	P9033-20-19-2	P9033-20-12-2	P9033D-20-19-2
3	7.92	11.52	P9033-20-19-3	P9033-20-12-3	P9033D-20-19-3
4	11.88	15.48	P9033-20-19-4	P9033-20-12-4	P9033D-20-19-4
5	15.84	19.44	P9033-20-19-5	P9033-20-12-5	P9033D-20-19-5
6	19.80	23.40	P9033-20-19-6	P9033-20-12-6	P9033D-20-19-6
7	23.76	27.36	P9033-20-19-7	P9033-20-12-7	P9033D-20-19-7
8	27.72	31.32	P9033-20-19-8	P9033-20-12-8	P9033D-20-19-8
9	31.68	35.28	P9033-20-19-9	P9033-20-12-9	P9033D-20-19-9
10	35.64	39.24	P9033-20-19-A	P9033-20-12-A	P9033D-20-19-A
11	39.60	43.20	P9033-20-19-B	P9033-20-12-B	P9033D-20-19-B
12	43.56	47.15	P9033-20-19-C	P9033-20-12-C	P9033D-20-19-C
13	47.52	51.12	P9033-20-19-D	P9033-20-12-D	P9033D-20-19-D
14	51.48	55.08	P9033-20-19-E	P9033-20-12-E	P9033D-20-19-E
15	55.44	59.04	P9033-20-19-F	P9033-20-12-F	P9033D-20-19-F
16	59.40	63.00	P9033-20-19-G	P9033-20-12-G	P9033D-20-19-G



HOUSING With Ramp

P9035

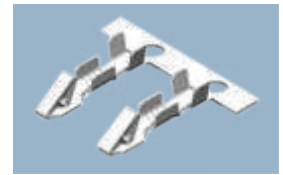
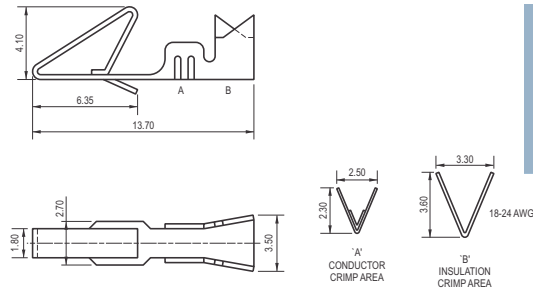
No. of Ways	Dimension		Part Number
	A	B ± 1.0	
2	3.96	7.80	P9035-29-00-2
3	7.92	11.80	P9035-29-00-3
4	11.88	15.80	P9035-29-00-4
5	15.84	19.80	P9035-29-00-5
6	19.80	23.70	P9035-29-00-6
7	23.76	27.60	P9035-29-00-7
8	27.72	31.60	P9035-29-00-8
9	31.68	35.60	P9035-29-00-9
10	35.64	39.50	P9035-29-00-A
11	39.60	43.50	P9035-29-00-B
12	43.56	47.50	P9035-29-00-C
13	47.52	51.40	P9035-29-00-D
14	51.48	55.40	P9035-29-00-E
15	55.44	59.30	P9035-29-00-F
16	59.40	63.30	P9035-29-00-G
17	63.36	67.30	P9035-29-00-H
18	67.32	71.20	P9035-29-00-I



CRIMP TERMINAL

P9036

Description	Part Number	
	Tin Plated	Gold Plated
Crimp Terminal	P9036-00-29-2	P9036-00-22-2

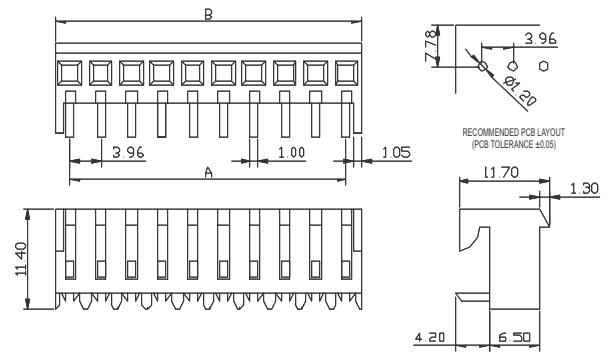
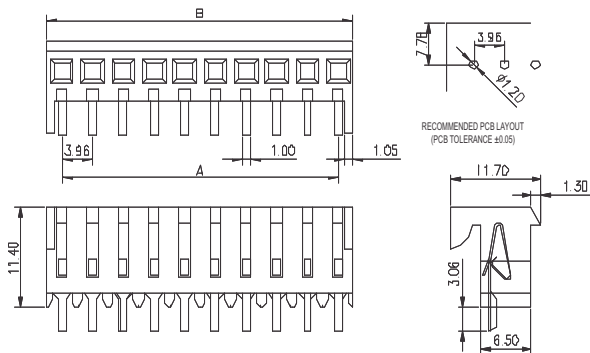
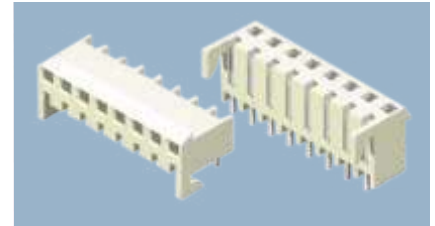


Specifications

No. of Ways	: 2-25		
Voltage Rating	: 250V AC, DC	Material & Finish	
Current Rating	: 7A AC, DC	Insulator	: Nylon 66, UL94V-2
Contact Resistance	: 10mΩ max.	Contacts	: Brass, Tin Plated
Dielectric Withstanding	: 1500V AC/minute		
Insulation Resistance	: 1000MΩ min		
Temperature Range	: -25°C to +85°C		

WAFER, 3.96mm PITCH CENTRE P.C. BOARD CONNECTOR (Straight & Right Angle) P9068S & P9068R

No Of Ways	Dimensions		Part Number	
	A A±0.20	B B±0.20	Straight	Right Angle
2	3.96	7.62	P9068S29-19-2	P9068R29-19-2
3	7.92	11.73	P9068S29-19-3	P9068R29-19-3
4	11.88	15.74	P9068S29-19-4	P9068R29-19-4
5	15.84	19.70	P9068S29-19-5	P9068R29-19-5
6	19.80	23.65	P9068S29-19-6	P9068R29-19-6
7	23.76	27.62	P9068S29-19-7	P9068R29-19-7
8	27.72	31.53	P9068S29-19-8	P9068R29-19-8
9	31.68	35.54	P9068S29-19-9	P9068R29-19-9
A=10	35.64	39.50	P9068S29-19-A	P9068R29-19-A
B=11	39.60	43.45	P9068S29-19-B	P9068R29-19-B
C=12	43.56	47.42	P9068S29-19-C	P9068R29-19-C
D=13	47.52	51.33	P9068S29-19-D	P9068R29-19-D
E=14	51.48	56.34	P9068S29-19-E	P9068R29-19-E
F=15	55.44	59.30	P9068S29-19-F	P9068R29-19-F
G=16	59.45	63.26	P9068S29-19-G	P9068R29-19-G
H=17	63.38	67.22	P9068S29-19-H	P9068R29-19-H
I=18	67.32	71.18	P9068S29-19-I	P9068R29-19-I
J=19	71.28	75.14	P9068S29-19-J	P9068R29-19-J
K=20	75.24	79.10	P9068S29-19-K	P9068R29-19-K
L=21	79.20	83.08	P9068S29-19-L	P9068R29-19-L
M=22	83.16	87.02	P9068S29-19-M	P9068R29-19-M
N=23	87.12	90.98	P9068S29-19-N	P9068R29-19-N
O=24	91.08	94.94	P9068S29-19-O	P9068R29-19-O
P=25	95.04	98.90	P9068S29-19-P	P9068R29-19-P



3.96MM (0.156") PITCH CONNECTORS (POLARIZED)

P904 Series

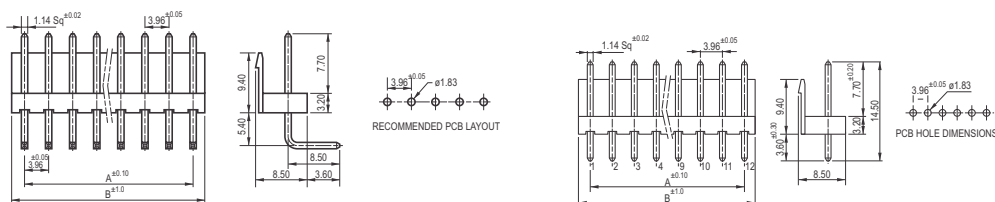
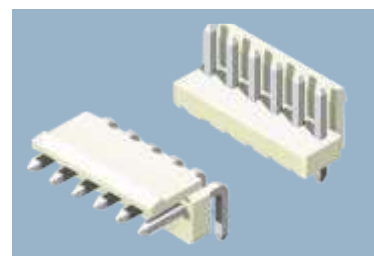
Specifications

No. of Ways	: 2-12 & 16	Temperature Range	: -25°C to +85°C	Material & Finish	
Voltage Rating	: 250V AC, DC	Applicable PC board Thickness	: 1.6mm	Crimp Contact	: Copper Alloy, Tin/Gold Plated
Current Rating	: 7A AC, DC	Crimp Terminal Wire Size	: 18-22 AWG	Square Pin	: Brass, Tin/Gold Plated
Contact Resistance	: 10mΩ max.	Insulation O.D	: 2.80mm max.	Insulator	: Nylon
Insulation Resistance	: 1000MΩ min.	Contact Retention for Wafer	: 2.5Kg min.		
Dielectric Withstanding	: 1500V AC/minute				

WAFER Straight / Right Angle

P9044 & P9043

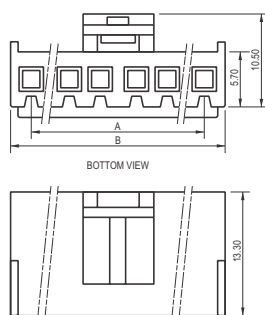
No. of Ways	Dimension		Part Number (Straight)		Part Number (Right Angle)
	A	B	Tin Plated	Gold Plated	Tin Plated
2	3.96	7.86	P9044-29-19-2	P9044-29-12-2	P9043-29-19-2
3	7.92	11.82	P9044-29-19-3	P9044-29-12-3	P9043-29-19-3
4	11.88	15.78	P9044-29-19-4	P9044-29-12-4	P9043-29-19-4
5	15.84	19.74	P9044-29-19-5	P9044-29-12-5	P9043-29-19-5
6	19.80	23.70	P9044-29-19-6	P9044-29-12-6	P9043-29-19-6
7	23.76	27.66	P9044-29-19-7	P9044-29-12-7	P9043-29-19-7
8	27.72	31.62	P9044-29-19-8	P9044-29-12-8	P9043-29-19-8
9	31.68	35.58	P9044-29-19-9	P9044-29-12-9	P9043-29-19-9
10	35.64	39.54	P9044-29-19-A	P9044-29-12-A	P9043-29-19-A
11	39.60	43.50	P9044-29-19-B	P9044-29-12-B	P9043-29-19-B
12	43.56	47.46	P9044-29-19-C	P9044-29-12-C	P9043-29-19-C
16	59.40	63.30	P9044-29-19-G	P9044-29-12-G	P9043-29-19-G



HOUSING

P9045

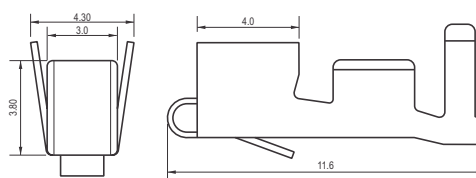
No. of Ways	Dimension		Part Number
	A	B±0.5	
2	3.96	8.00	P9045-29-00-2
3	7.92	11.96	P9045-29-00-3
4	11.88	15.92	P9045-29-00-4
5	15.84	19.88	P9045-29-00-5
6	19.80	23.84	P9045-29-00-6
7	23.76	27.80	P9045-29-00-7
8	27.72	31.76	P9045-29-00-8
9	31.68	35.72	P9045-29-00-9
10	35.64	39.68	P9045-29-00-A
11	39.60	43.64	P9045-29-00-B
12	43.56	47.60	P9045-29-00-C
16	59.40	63.44	P9045-29-00-G



CRIMP TERMINAL

P9046

Finish	Part Number
Tin Plated	P9046-00-29
Gold Plated	P9046-00-22



4.2MM (0.165") PITCH MINI FIT CONNECTORS

P9049 Series

Specifications

No. of Ways	:	3-6 (Single row) 2-24 (Double row)
Voltage Rating	:	250V AC, DC
Current Rating	:	5A AC, DC
Contact Resistance	:	30mΩ max.
Insulation Resistance	:	1000MΩ min.
Dielectric Withstanding	:	1500V AC/minute

Temperature Range	:	-25°C to +90°C
Crimp Terminal Wire Size	:	18-24 AWG
Insulation O.D.	:	2.8mm max.

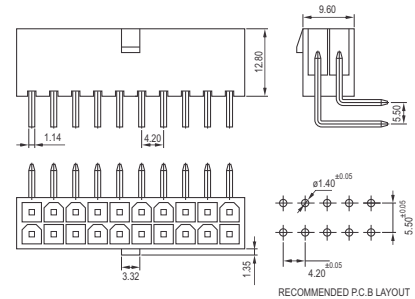
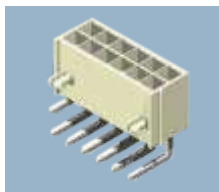
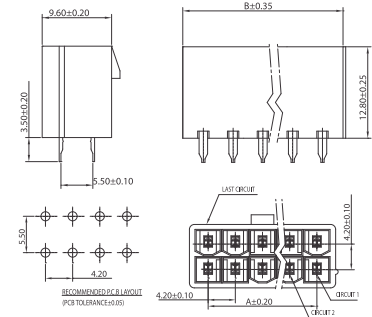
Material & Finish

Crimp Contact	:	Copper Alloy, Tin Plated
Square Pin	:	Copper Alloy, Tin Plated
Insulator	:	Nylon, UL 94V-0

HEADER Double Row (Straight & Right Angle)

P9049S & P9049R

No. of Ways	Dimension		Part Number (Straight)	Part Number (Right)
	A	B	Tin Plated	Tin Plated
02	-	5.40	P9049S29-19-2	P9049R29-19-2
04	4.20	9.60	P9049S29-19-4	P9049R29-19-4
06	8.40	13.80	P9049S29-19-6	P9049R29-19-6
08	12.60	18.00	P9049S29-19-8	P9049R29-19-8
10	16.80	22.20	P9049S29-19-A	P9049R29-19-A
12	21.00	26.40	P9049S29-19-C	P9049R29-19-C
14	25.20	30.60	P9049S29-19-E	P9049R29-19-E
16	29.40	34.80	P9049S29-19-G	P9049R29-19-G
18	33.60	39.00	P9049S29-19-I	P9049R29-19-I
20	37.80	43.20	P9049S29-19-K	P9049R29-19-K
22	42.00	47.40	P9049S29-19-M	P9049R29-19-M
24	46.20	51.60	P9049S29-19-O	P9049R29-19-O

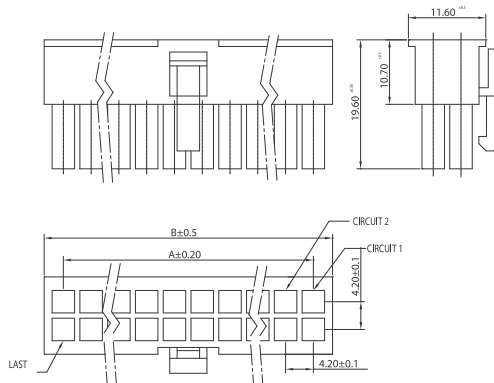


NOTE: For Headers with pegs & with flange, contact factory

HOUSING Double Row

P9049H

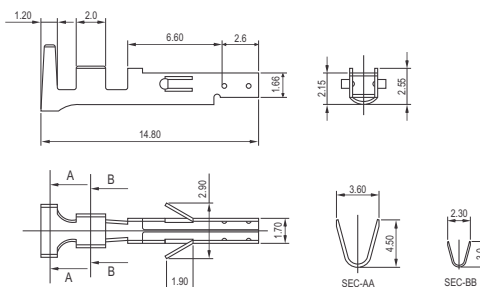
No. of Ways	Dimension		Part Number
	A	B	
2	-	5.70	P9049H29-00-2
4	4.20	9.60	P9049H29-00-4
6	8.40	13.80	P9049H29-00-6
8	12.60	18.00	P9049H29-00-8
10	16.80	22.20	P9049H29-00-A
12	21.00	26.40	P9049H29-00-C
14	25.20	30.60	P9049H29-00-E
16	29.40	34.80	P9049H29-00-G
18	33.60	39.00	P9049H29-00-I
20	37.80	43.20	P9049H29-00-K
22	42.00	47.40	P9049H29-00-M
24	46.20	51.60	P9049H29-00-O



CRIMP TERMINAL

P9049T

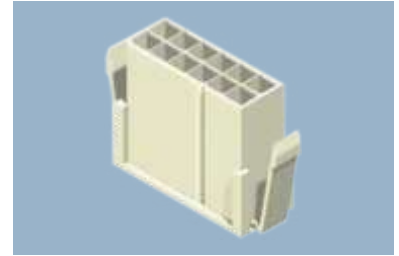
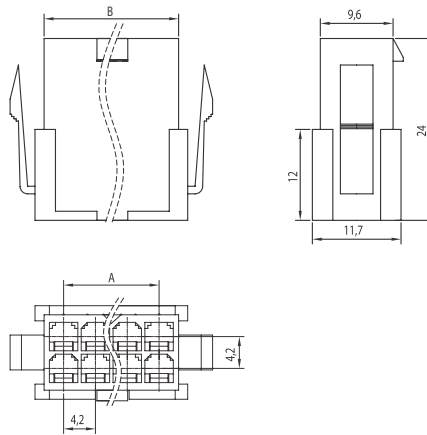
Finish	Part Number
Tin Plated	P9049T00-19



PLUG, Housing, Double Row

P9049PH

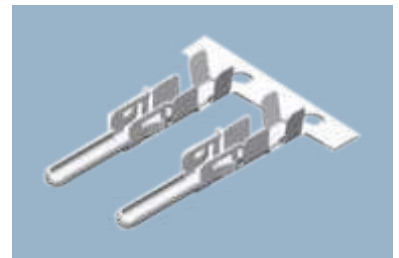
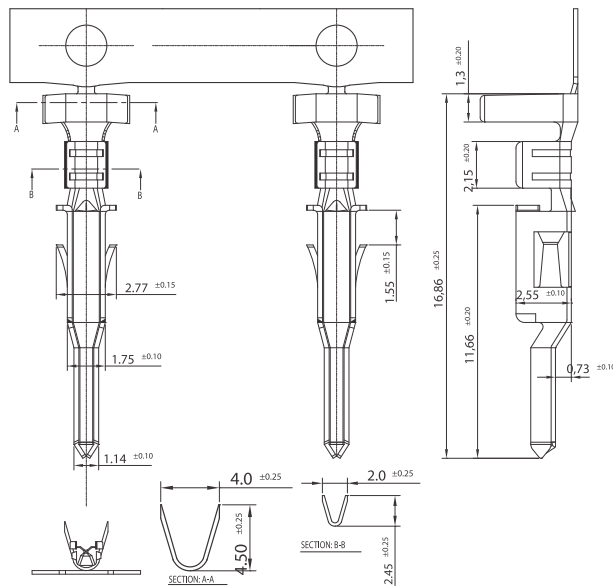
No.of Ways	A	B	Part Number
2	--	5.40	P9049PH29-00-2
4	4.20	9.60	P9049PH29-00-4
6	8.40	13.80	P9049PH29-00-6
8	12.60	18.00	P9049PH29-00-8
10	16.80	22.20	P9049PH29-00-A
12	21.00	26.40	P9049PH29-00-C
14	25.20	30.60	P9049PH29-00-E
16	29.40	34.80	P9049PH29-00-G
18	33.60	39.00	P9049PH29-00-I
20	37.80	43.20	P9049PH29-00-K
22	42.00	47.40	P9049PH29-00-M
24	46.20	51.60	P9049PH29-00-O



CRIMP TERMINAL, For Plug Housing

P9049PT

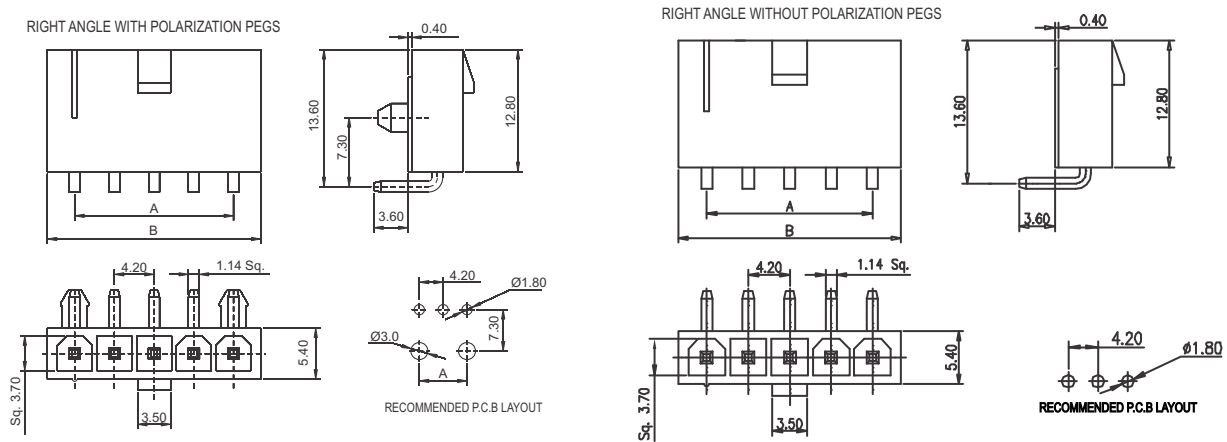
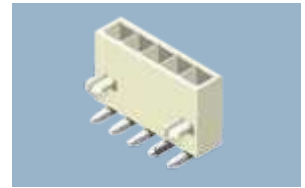
Finish	Part Number
Tin plated	P9049PT00-19



Header Single Row Right Angle (With & W/O Pegs)

P9054R Series

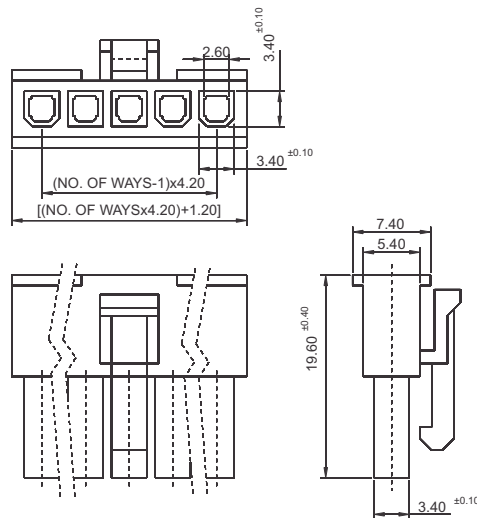
Contacts	Dimensios		Part Number	
	A	B	With Pegs	W/o Pegs
02	4.20	9.60	P9054R29-19-2-P	P9054R29-19-2
03	8.40	13.80	P9054R29-19-3-P	P9054R29-19-3
04	12.60	18.00	P9054R29-19-4-P	P9054R29-19-4
05	16.80	22.20	P9054R29-19-5-P	P9054R29-19-5



Housing Single Row

P9054H

Contacts	Dimensios		Part Number
	A	B	
02	4.20	9.60	P9054H29-00-2
03	8.40	13.80	P9054H29-00-3
04	12.60	18.00	P9054H29-00-4
05	16.80	22.20	P9054H29-00-5



Note: For Crimp Terminal refer P9049T

5.08MM (0.200") PITCH DISK DRIVE POWER CONNECTORS

P904 Series

Specifications

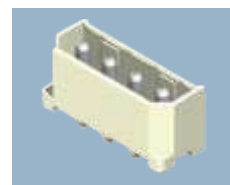
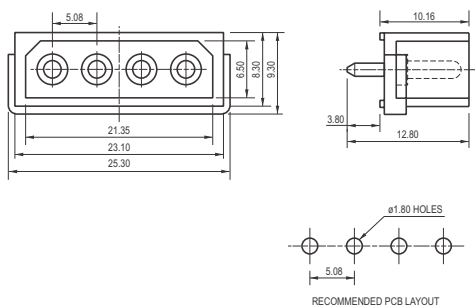
No. of Ways	: 4
Voltage Rating	: 250V AC, DC
Current Rating	: 7A AC, DC
Contact Resistance	: 20mΩ max.
Insulation Resistance	: 1000MΩ min.
Dielectric Withstanding	: 1500V AC/minute
Temperature Range	: -25°C to +85°C
Applicable PC board Thickness	: 1.6mm
Crimp Terminal Wire Size	: 14-20 AWG
Insulation O.D	: 2.5mm max.

Material & Finish

Crimp Contact	: Copper Alloy, Tin Plated
Square Pin	: Brass, Tin Plated
Insulator	: Nylon

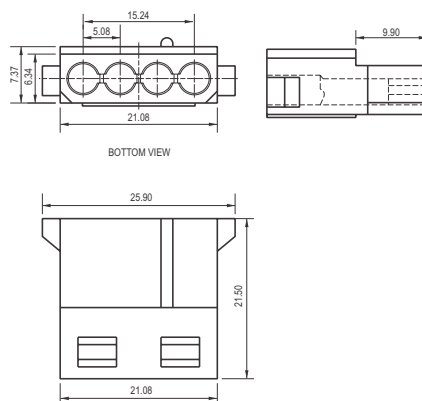
WAFER Straight 4 Pole

P9040-29-19



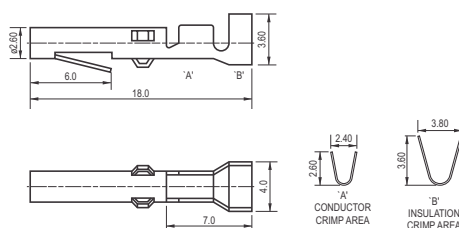
HOUSING

P9041-29-00

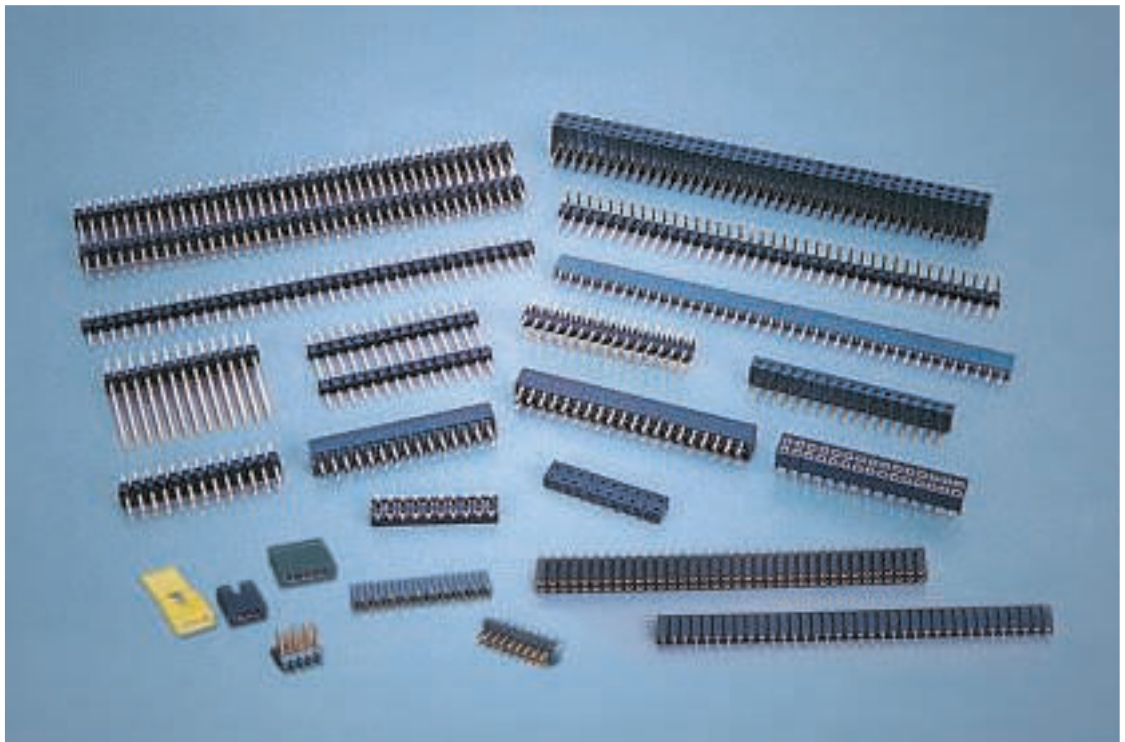


CRIMP TERMINAL

P9042-00-29



MOTHER BOARD TO DAUGHTER BOARD CONNECTORS



2.54MM(0.100") PITCH PIN HEADERS

P910 Series

Specifications

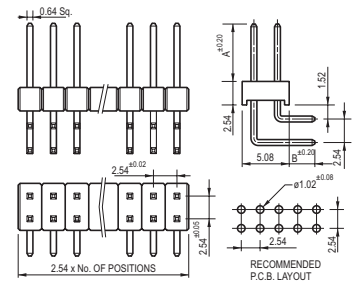
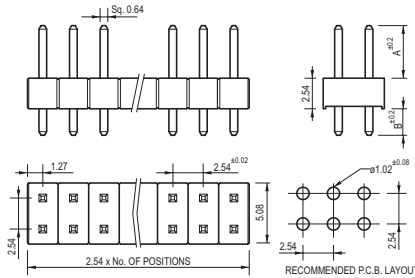
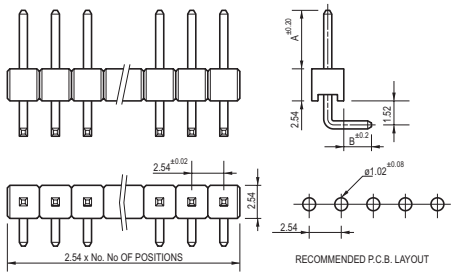
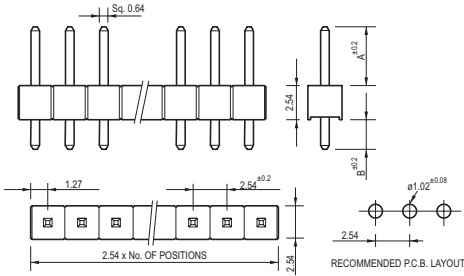
Current Rating : 3A
 Insulation Resistance : 10000MΩ min.
 Dielectric Withstanding : 1000V AC/minute
 Temperature Range : -40°C to +105°C
 Retention Force : 1.0Kg min.
 Applicable PC Board Thickness : 0.8 to 1.6mm

Material & Finish

Contact : Copper Alloy, Gold Plated
 Insulator : Glass Filled, Thermoplastic Polyester, UL94V-0

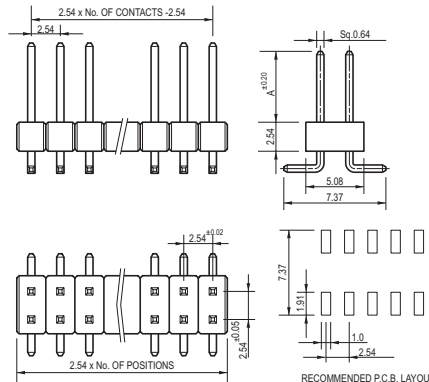
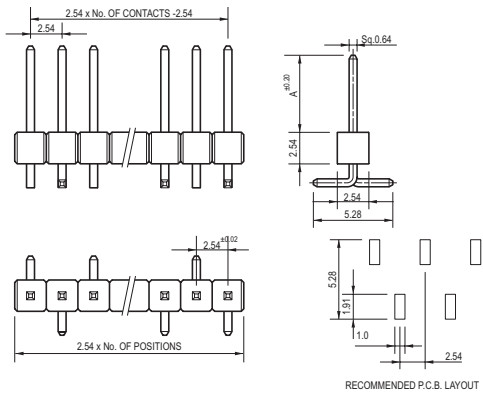
2.54mm Pitch(0.100") Pin Header Single Row/Double Row

P9101/P9102/P9103/P9104



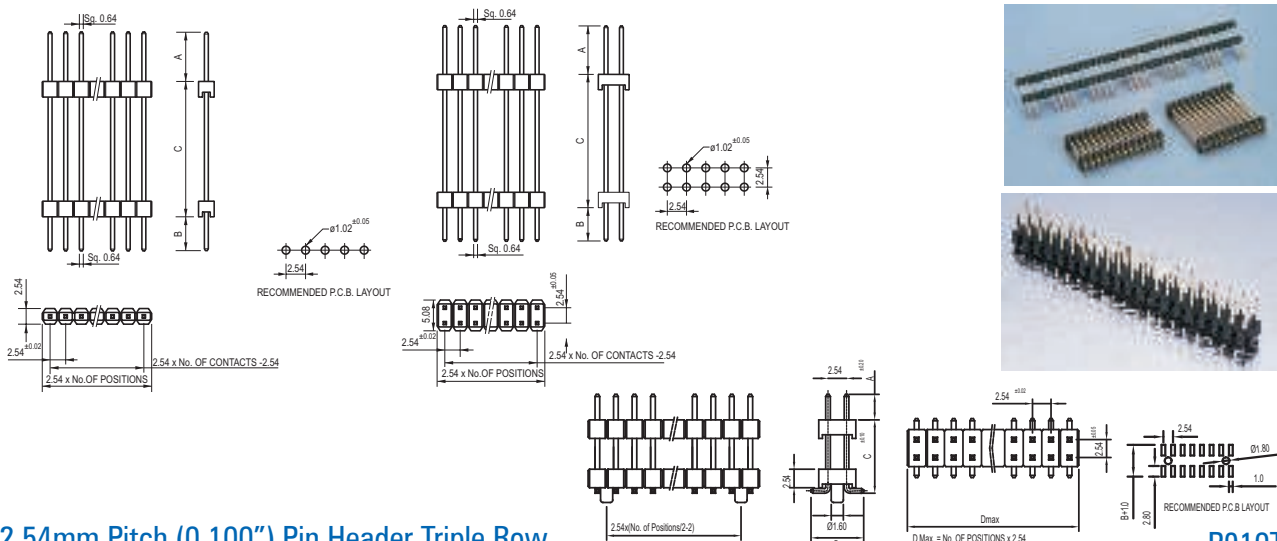
2.54mm Pitch(0.100") Pin Header Surface Mount Single Row/Double Row

P9107/P9105



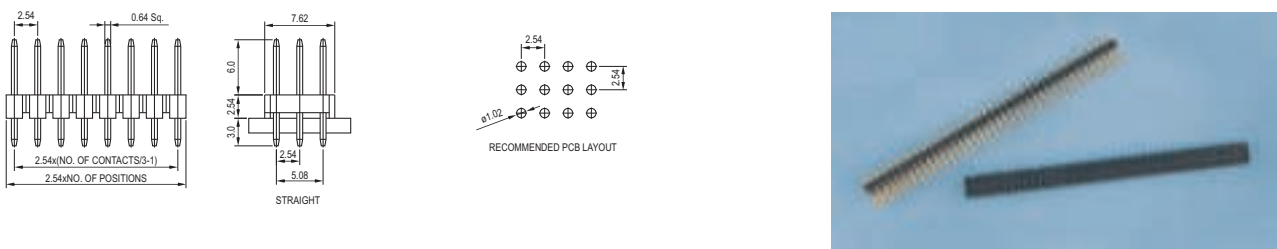
2.54mm Pitch(0.100") Pin Header Basic Stack Type Single Row/Double Row (Straight & Surface Mount)

P9109/P9108/P910C



2.54mm Pitch (0.100") Pin Header Triple Row

P910T



ORDERING INFORMATION

P910X-XXXXX-X					
Series	Type of Row	Number of Contacts	PCB -PCB 'C'	A/B	Plating
P910	1=Single Row S/T 2=Single Row R/A 3=Double Row S/T 4=Double Row R/A 5=Surface Mount DR 7 =Surface Mount SR 8=Basic Stack Type DR S/T 9=Basic Stack Type SR S/T C= Basic Stack Type SMT T = Triple Row	01 to 40 For Single Row 02 to 80 For Double Row	Specify Length (Applicable For type of row 8 & 9 & C only) otherwise indicate as "n" for Type of Row 4 only) 11=5.84/7.40 (End to End) (App to type of Row 5 only) 18=5.84/5.30 (End to End) (App for Type of Row 7 only)	12=5.84/3.0 13=5.84/3.6 21=6.06/2.8 32=6.80/3.0 44=7.06/4.9 For Others Specify A & B Dimension 12=5.84/3.0 (Applicable for Type of Row 4 only) 11=5.84/7.40 (End to End) (App to type of Row 5 only) 18=5.84/5.30 (End to End) (App for Type of Row 7 only)	1= Gold Flash 2=0.75μ Gold 3=1.27μ Gold 4=5μ Tin 5= 0.75μ Gold on Tin on Solder Side 6=Gold Flash on Contact Side & Tin on Solder Side 7=0.38μ Gold on contact side & 5μ tin on solder side 8=0.25μ Gold 9=0.38μ Gold

Note: For Surface Mount Type, Specify Above/Below Length (End to End)

Available pin lengths -8.70, 9.20, 10.0,10.80, 11.20, 11.40, 11.8, 12.40, 13.20, 13.80, 13.46, 14.5,16.0, 18.54, 19.60, 20.70, 21.10, 21.3, 23.40, 25.40,27.50, 30.0, 32.0, 35.0, 50.0

2.54MM(0.100") PITCH BOX HEADER

P960 Series

Specifications

Current Rating	: 3A
Contact Resistance	: 20mΩ max.
Insulation Resistance	: 5000MΩ min.
Dielectric Withstanding	: 500V AC For 1 min
Temperature Range	: -40°C to +105°C

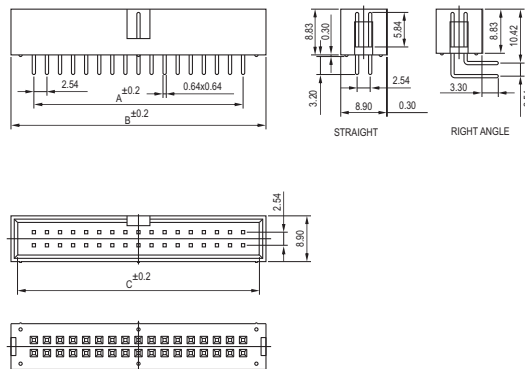
Material & Finish

Crimp Contact	: Copper Alloy, Gold Plated
Insulator	: Polyester, UL 94V-0

2.54mm (0.100") Pitch Box Header Double Row (Straight & Right angle)

P9603 & P9604

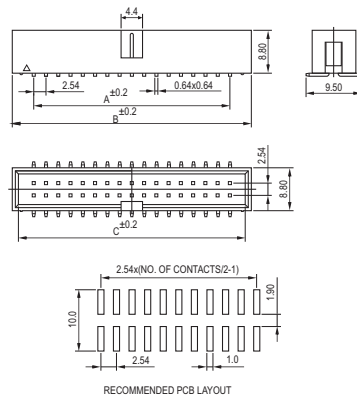
No. of Contacts	A	B	C
08	7.62	17.77	15.48
10	10.16	20.31	18.02
12	12.70	22.85	20.56
14	15.24	25.39	22.10
16	17.78	27.93	25.64
20	22.86	33.01	30.72
24	27.94	38.09	35.80
26	30.48	40.63	38.34
30	35.56	45.71	43.42
34	40.64	50.79	48.59
40	48.26	58.41	56.12
44	53.34	63.49	61.40
50	60.96	71.11	68.82
60	73.66	83.81	81.52
64	78.74	88.89	86.60



2.54mm (0.100") pitch Box Header Double Row Surface Mount

P9605

No. of Contacts	A	B	C
08	7.62	17.77	15.48
10	10.16	20.31	18.02
12	12.70	22.85	20.56
14	15.24	25.39	22.10
16	17.78	27.93	25.64
20	22.86	33.01	30.72
24	27.94	38.09	35.80
26	30.48	40.63	38.34
30	35.56	45.71	43.42
34	40.64	50.79	48.59
40	48.26	58.41	56.12
44	53.34	63.49	61.40
50	60.96	71.11	68.82
60	73.66	83.81	81.52
64	78.74	88.89	86.60



ORDERING INFORMATION

P960X-XX-15-X			
Series	Type of Row	Number of Contacts	Plating
P960	3=Double Row S/T 4=Double Row R/A 5=Double Row SMT	08, 10, 12, 14 16, 20, 24, 26 30, 34, 40, 44 50, 60, 64	1=Gold Flash 2=0.75μ Gold 4=5μ Tin 6=Gold flash on contact side & Tin on solder side

Note: For female headers with notch, contact factory

2.54MM(0.100") PITCH EJECTOR HEADER

P990 Series

Specifications

Current Rating : 3A
 Contact Resistance : 20mΩ max.
 Insulation Resistance : 5000MΩ min.
 Temperature Range : -40°C to +105°C
 Dielectric Withstanding : 1000V Ac

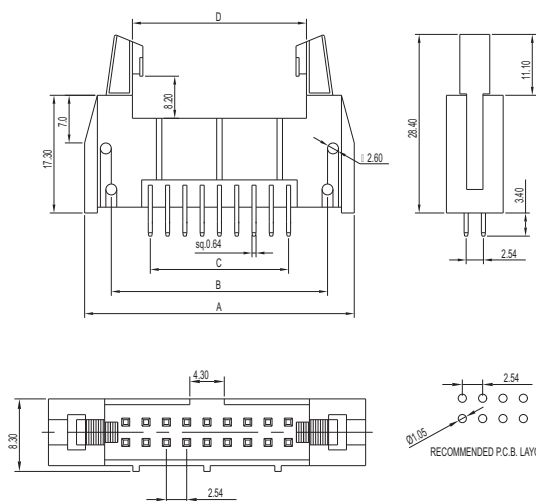
Material & Finish

Contact : Copper Alloy, Gold Plated
 Insulator : Polyester, UL 94V-0

2.54mm (0.100") Pitch Ejector Header Double Row (Straight)

P9903-XXA-15X1

No. of Contacts
 10 to 64
 Latch Type
 L= Long Latch
 S=Short Latch

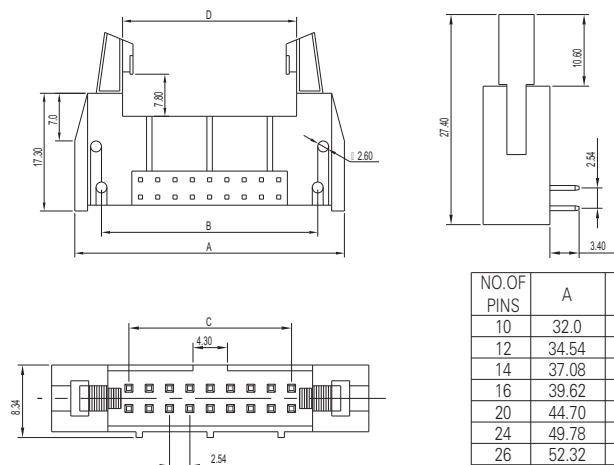


NO.OF CONTACTS(XX)	A	B	C	D
10	32.0	21.84	10.16	17.96
12	34.54	24.38	12.70	20.50
14	37.08	26.92	15.24	23.04
16	39.62	29.46	17.78	25.58
20	44.70	34.54	22.86	30.33
24	49.78	39.62	27.94	35.74
26	52.32	42.16	30.48	38.28
30	57.40	47.24	35.56	43.68
34	62.48	52.32	40.64	48.44
40	70.10	59.94	48.26	56.06
50	82.80	72.64	60.96	68.76
60	95.80	85.34	73.66	82.00
64	100.58	90.42	78.74	86.54

2.54mm (0.100") Pitch Ejector Header Double Row (Right Angle)

P9904-XXA-13X1

No. of Contacts
 10 to 64
 Latch Type
 L= Long Latch
 S=Short Latch



NO.OF PINS	A	B	C	D
10	32.0	21.84	10.16	17.96
12	34.54	24.38	12.70	20.50
14	37.08	26.92	15.24	23.04
16	39.62	29.46	17.78	25.58
20	44.70	34.54	22.86	30.33
24	49.78	39.62	27.94	35.74
26	52.32	42.16	30.48	38.28
30	57.40	47.24	35.56	43.36
34	62.48	52.32	40.64	48.44
40	70.10	59.94	48.26	58.06
50	82.80	72.64	60.96	68.76
60	95.50	85.34	73.66	81.46
64	100.58	90.42	78.74	86.54

2.54MM(0.100") PITCH DIP PLUG

Specifications

Current Rating	: 3 A
Contact Resistance	: 30mΩ max.
Insulation Resistance	: 1000MΩ min
Dielectric Withstanding	: 1000V AC for 1 minute
Temperature Range	: -55°C to +105°C

Material & Finish

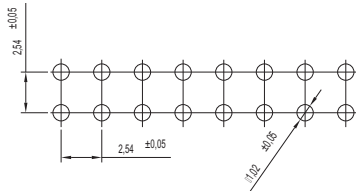
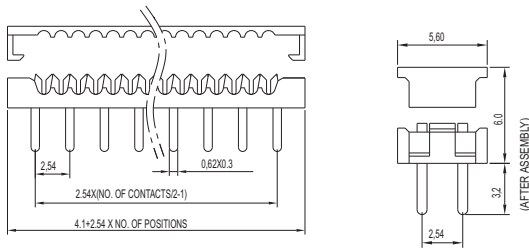
Contact	: Copper Alloy, Tin Plated
Insulator	: Polyester, UL 94V-0

P9403IDS Series

2.54mm Pitch DIP Plug

P9403IDSA-XX-24

No. of Contacts
10 to 60



RECOMMENDED PCB LAYOUT

2.54MM(0.100") PITCH MINI JUMPER/ 5.08MM PITCH MINI JUMPER

P920 Series

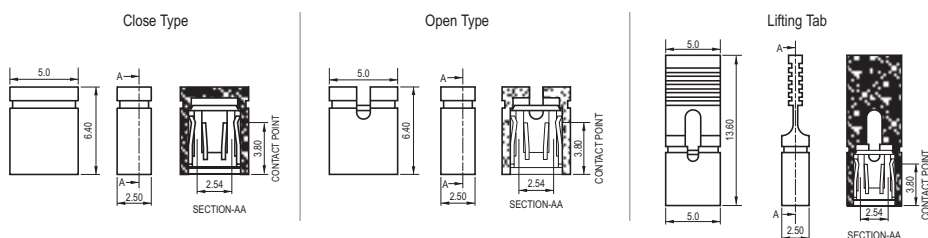
Specifications

- Current Rating : 3A
- Contact Resistance : 20mΩ max./30mΩ for 5.08mm pitch
- Insulation Resistance : 1000MΩ min.
- Dielectric Withstanding : 1000VAC for 1 min.
- Temperature Range : -40°C to +105°C
- Insertion Force with Steel Pin 0.64Sq : 0.4Kg max.
- Extraction Force with Steel Pin 0.64Sq : 0.07Kg min.
- Mechanical Life : 100 Cycles min.

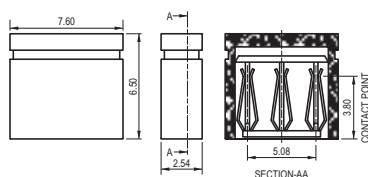


Material & Finish

- Contact : Phosphor Bronze,
Gold Plated
- Insulator : Glass Filled
Thermoplastic Polyester



P922 Series



ORDERING INFORMATION

P920X-XX-XX			
	X	XX	XX
Series	Type of Insulator	Colour of Insulator	Plating
P920	1=Close Type	50=Black	21=Gold Flash
2.54mm Pitch	2=Open Type	52=Red	22=0.75μ Gold
	3=With Lifting Tab	54=Yellow	
		56=Blue	

ORDERING INFORMATION

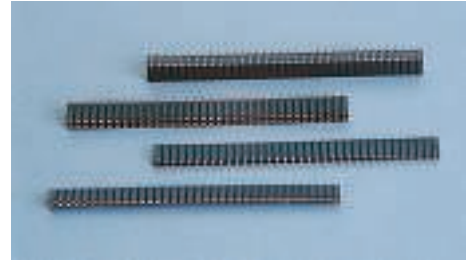
P922X-XX-XX			
	X	XX	XX
Series	Type of Insulator	Colour of Insulator	Plating
P922	1=Close Type	50=Black	21=Gold Flash
5.08mm Pitch		56=Blue	22=0.75μ Gold

2.54MM(0.100") PITCH FEMALE HEADERS (MACHINED SPRING CONTACTS)

P930 Series

Specifications

Voltage Rating	: 100V AC/150V DC
Current Rating	: 3A
Contact Resistance	: 10mΩ max.
Insulation Resistance	: 10000MΩ min.
Dielectric Withstanding	: 1000V rms.min.
Temperature Range	: -55°C to +105°C
Insertion Force/Contact	: 0.12Kg max.
Extraction Force/Contact	: 0.06Kg min.
Mechanical Life	: 500 Cycles min.
Measured with	: ∅0.76 Polished Steel Pin

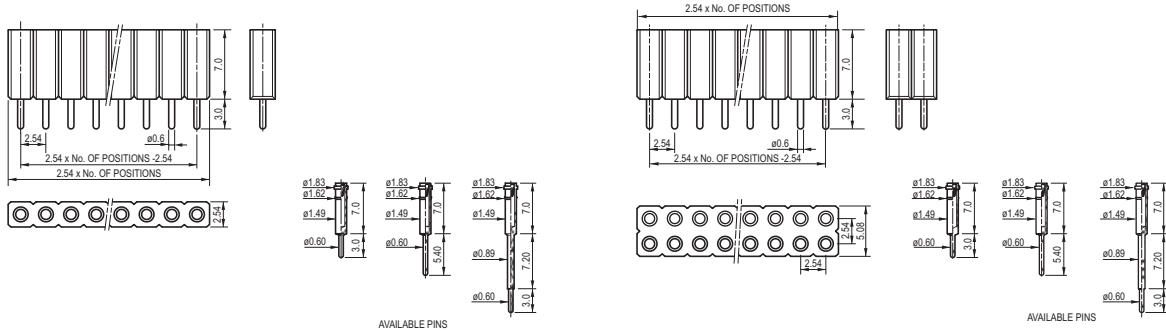


Material & Finish

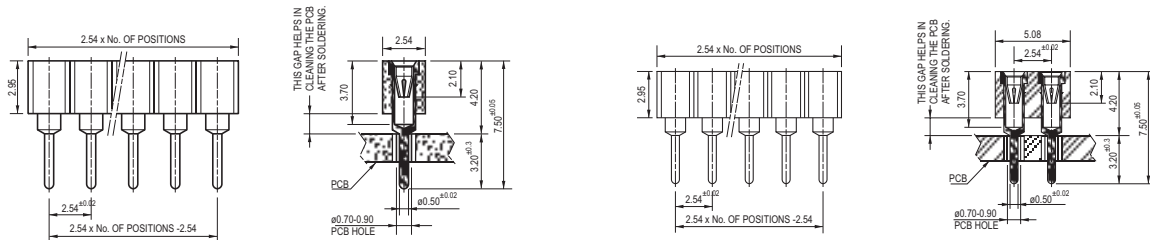
Inner Clip	: Beryllium Copper, Gold Plated (6 Finger Clip)
Outer Sleeve	: Brass, Tin Plated
Insulator	: Glass Filled Thermoplastic Polyester, UL94V-0

Single Row/Double Row

P9301 / P9303



P9305 / P9306



ORDERING INFORMATION

P930X-XX-XX-X						
Series	Type of Row	Number of Contacts	Type of Pin	Plating	Outer Sleeve	Profile
P930	1=Single Row S/T Profile:7.0mm 3=Double Row S/T Profile:7.0 5=Single Row S/T Profile: 2.9mm 6=Double Row S/T Profile: 2.9mm	01 to 36 For Single Row 02 to 72 For Double Row	1=PC Pin 3mm 2=PC Pin 5.4mm 3=PC Pin 10.2mm 4=PC Pin 3mm (L=7.2mm)	1=0.25μ Au 2=0.75μ Au 3=5μ Sn 4=0.75μ Au	5μ Sn 5μ Sn 0.25μ Au	1=2.9mm (Applicable for Type of row 5 & 6 only)

Note: For Right Angle Version, Check with Factory

2.54MM(0.100") PITCH FEMALE HEADERS (FORMED CONTACTS)

P940 Series

Specifications

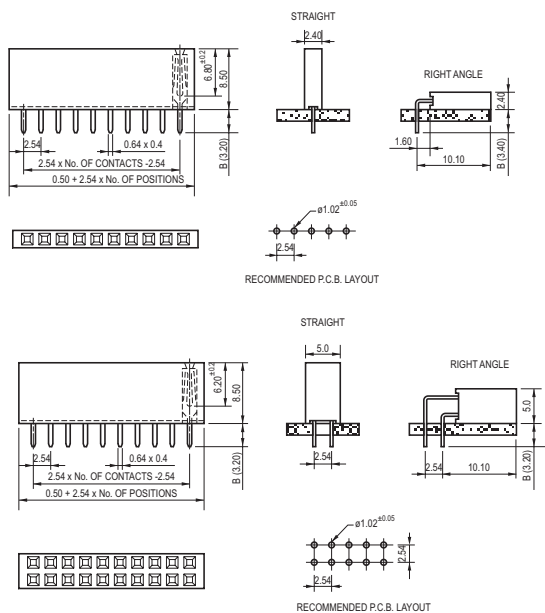
Current Rating	: 1A	Temperature Range	: -40°C to +105°C
Contact Resistance	: 20mΩ max.	Insertion Force/Contact	: 200gms max.
Insulation Resistance	: 5000MΩ min.	Extraction Force/Contact	: 20gms min.
Dielectric Withstanding	: 500V AC	Mechanical Life	: 100 Cycles min.

Material & Finish

Contact	: Copper Alloy, Gold Plated
Insulator	: Polyester, UL94V-0

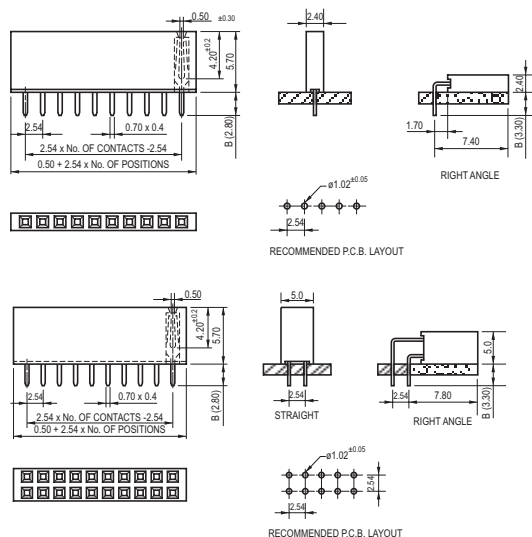
2.54mm Pitch(0.100") Female Header Single Row/Double Row Profile: 8.5mm

P9401/P9402/P9403/P9404



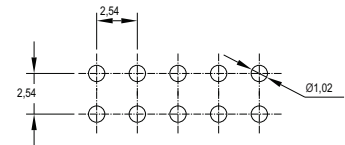
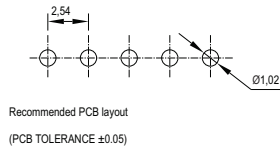
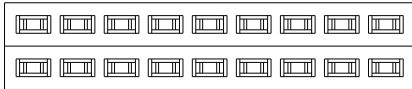
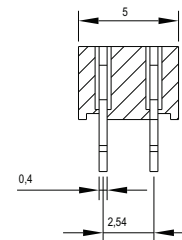
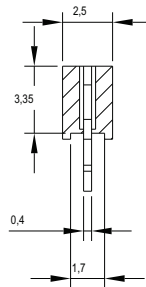
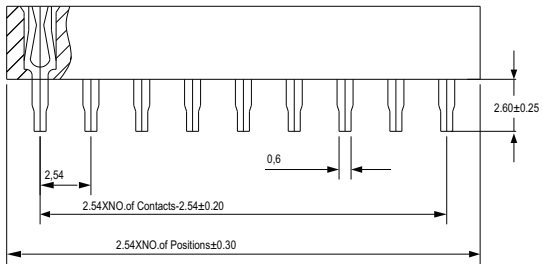
2.54mm Pitch(0.100") Female Header Single Row/Double Row Profile: 5.7mm

P9401A / P9402A / P9403A / P9404A



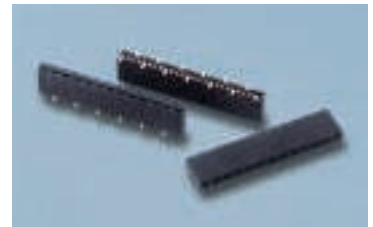
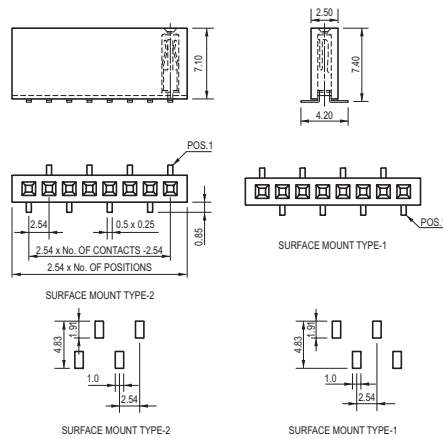
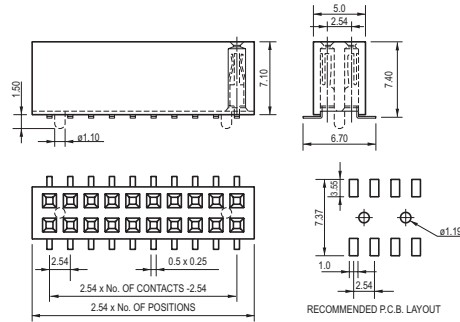
**2.54mm (0.100") Pitch Female Header Single Row/Double Row
Profile: 3.55mm**

P94011/P94031



2.54mm Pitch(0.100") Female Header Surface Mount
 Single Row/Double Row Profile: 7.4mm

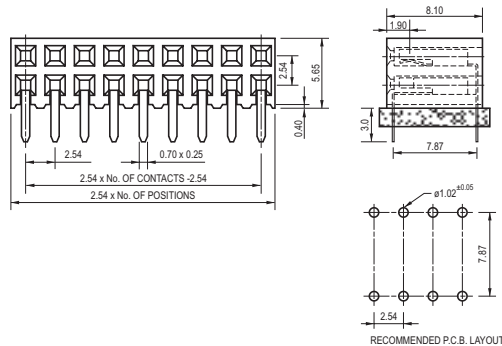
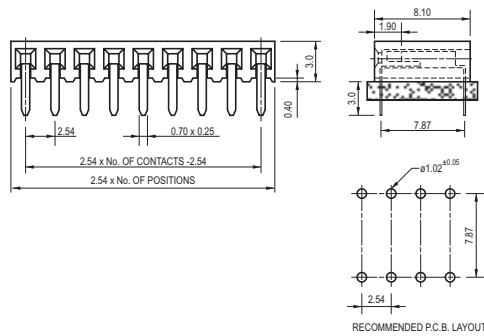
P9405/P9406



RECOMMENDED P.C.B. LAYOUT

2.54x7.87mm Pitch Female Header Side Entry Single Row/Double Row

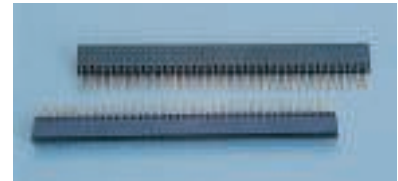
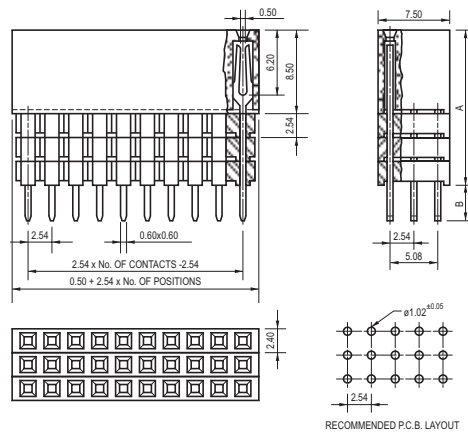
P9409 / P9410



RECOMMENDED P.C.B. LAYOUT

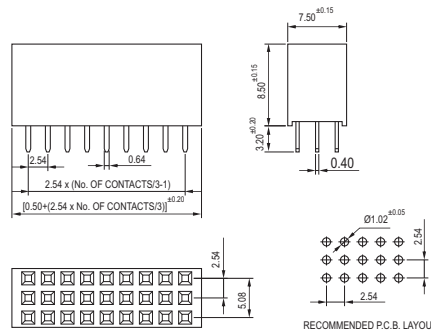
**2.54mm Pitch(0.100") Female Header Elevated Type
Single/Double/Triple Row**

P940S / P940D / P940T



2.54mm Pitch (0.100") Female Header Triple Row, 8.5mm base

P940T



ORDERING INFORMATION

P94XXXXXXXX					
Series	Type of Row	Profile	Number of Contacts	Tail Option	Plating
P94	01=Single Row S/T 02=Single Row R/A 03=Double Row S/T 04=Double Row R/A 05=Surface Mount DR 06=Surface Mount SR 09=2.54x7.87mm Pitch S/R Side Entry R/A 10=2.54x7.87mm Pitch DR Side Entry R/A 0S=Single Row Elevated Type 0D=Double Row Elevated Type 0T=Triple Row Elevated Type	"-" =Std 8.5mm A=5.7mm (Applicable to Type of row 01-04 only) I=3.55mm For Double Row "-" =Std 7.4mm B=7.4mm with Alignment For Single row "-" =Std 7.4mm SM1 Type A= 7.4mm SM2 Type "-" =Std 3.0mm "-" =Std 5.65mm Elevated Type X XX No. of Contacts 009 to 120	03 to 40 For Single Row 04 to 80 For Double Row (Applicable to Type of row 01-10 only)	For Straight "-" =Std 3.2mm 1=2.8mm/2.6mm 2=6.0mm 3=11.0mm For Right Angle "-" =Std 3.3mm 4=8.0mm 5=10.0mm (Applicable to Type of row 01-04 only) Otherwise indicate as "-"	21=Gold Flash 22=0.75μ gold 23=gold Flash on Contact Side & Tin on Solder Side 24=5μ tin

2.54MM(0.100") PITCH FEMALE HEADER 5MM BASE DUAL BEAM FOLDED CONTACT

P950 Series

Specifications

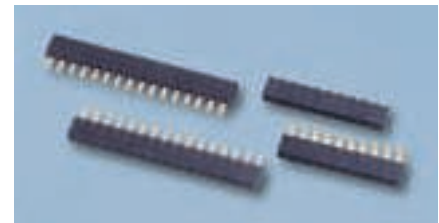
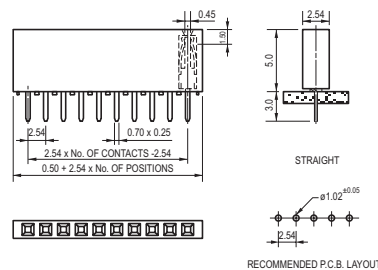
Current Rating	: 1A
Contact Resistance	: 20mΩ max.
Insulation Resistance	: 5000MΩ min.
Dielectric Withstanding	: 500V AC
Temperature Range	: -40°C to +105°C
Insertion Force/Contact	: 200gms max.
Extraction Force/Contact	: 20gms min.
Mechanical Life	: 100 Cycles min.

Material & Finish

Contact	: Copper Alloy
Insulator	: Polyester, UL94V-0

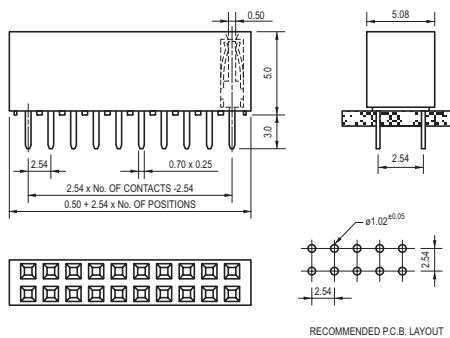
Single Row Straight/Right Angle

P9501 / P9502



Double Row Straight

P9503



ORDERING INFORMATION

P950X-XX-XX			
X	XX	XX	
Series	Type of Row	Number of Contacts	Plating
P950	1=Single Row S/T 2=Single Row R/A 3=Double Row S/T	03 to 40 For Single Row 04 to 80 For Double Row	21= Gold Flash 22= 0.75μ Gold 23= Gold Flash on Contact side & Tin on Solder Side 24= 5μ Tin

2.54MM(0.100") PITCH FEMALE HEADER 8.5MM BASE WITH POLARISATION PAD

P970 Series

Specifications

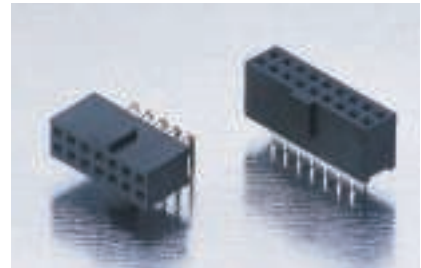
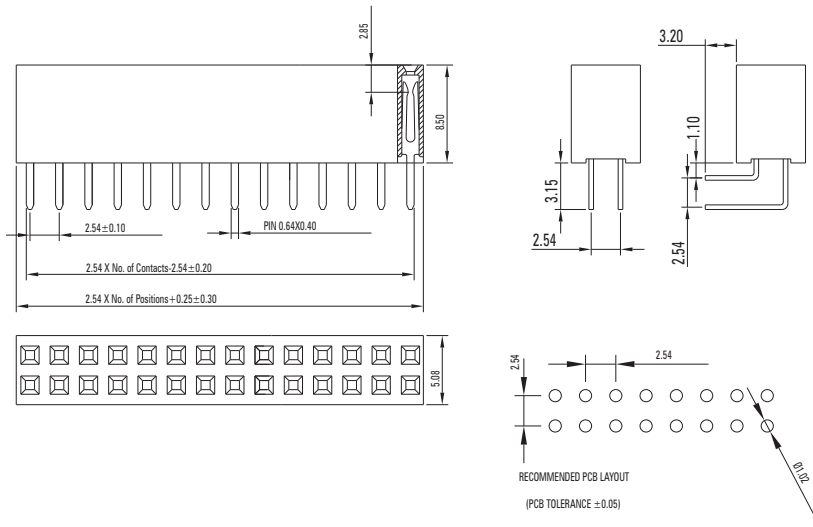
Current Rating	:	3 A
Contact Resistance	:	20mΩ max.
Insulation Resistance	:	1000MΩ min.
Dielectric Voltage	:	5000V AC For 1 minute
Temperature Range	:	-40°C To +105°C

Material & Finish

Contact	:	Copper Alloy, Gold Plated
Insulator	:	Polyester, UL94V-0

Double Row Straight/Right Angle

P9703/ P 9704



ORDERING INFORMATION

P970X-XX-21			
Series	Type of Row	Number of Contacts	Plating
P970	3=Double Row S/T 4=Double Row R/A	02 to 40	21=Gold Plated

2.54MM(0.100") IDC SOCKETS

P9403 Series

Specifications

Current Rating	:	3A
Contact Resistance	:	20mΩ max.
Insulation Resistance	:	5000MΩ min.
Dielectric Withstanding	:	1000V Ac For 1minute
Temperature Range	:	-40°C To +105°C

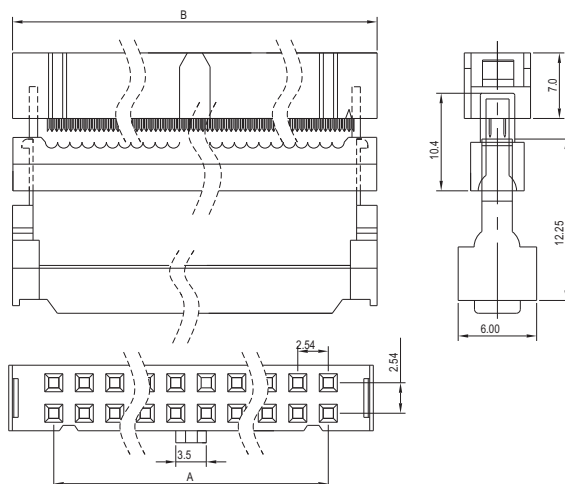
Material & Finish

Contact	:	Copper Alloy, Gold Plated
Insulator	:	Polyester, UL94V-0

IDC SOCKET 2.54mm PITCH DUAL ROW, WITH STRAIN RELIEF

P9403IDS-XX-21

No. of contacts	A	B
6	5.08	12.16
8	7.62	14.74
10	10.16	17.20
12	12.70	19.80
14	15.24	22.50
16	17.78	24.94
20	22.86	30.08
24	27.94	35.15
26	30.48	37.58
30	35.56	42.66
34	40.64	47.80
40	48.26	55.42
44	53.34	60.56
50	60.96	68.28
56	68.58	75.74
60	73.66	80.96
62	76.20	83.32
64	78.74	85.94



2.00MM(0.079") PITCH PIN HEADERS

P911 Series

Specifications

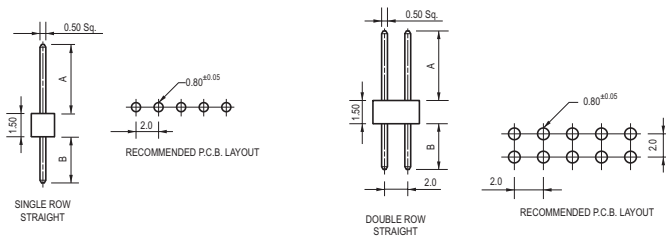
Current Rating	: 1A
Insulation Resistance	: 5000MΩ min.
Dielectric Withstanding	: 500V AC
Temperature Range	: -40°C to +105°C
Retention Force	: 0.8Kg min.

Material & Finish

Contact	: Copper Alloy, Gold Plated
Insulator	: Polyester, UL94V-0

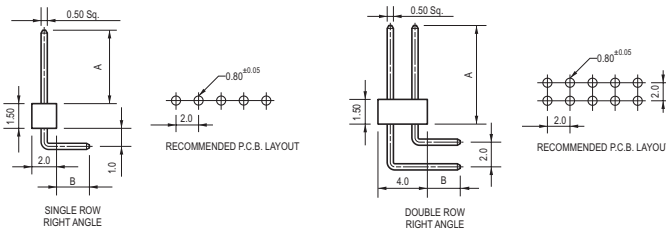
2.00mm Pitch(0.079") Pin Header Single Row/Double Row Straight

P9111 / P9113



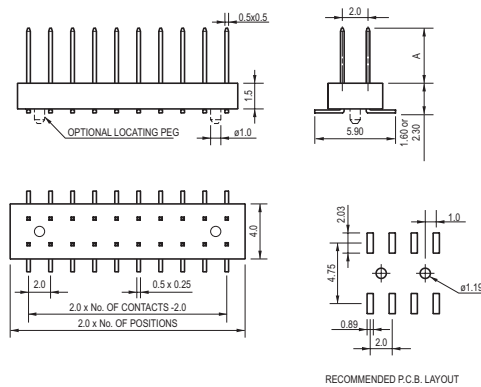
2.00mm Pitch(0.079") Pin Header Single Row/Double Row Right Angle

P9112 / P9114



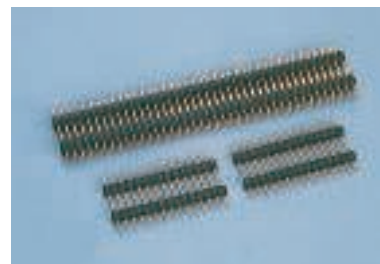
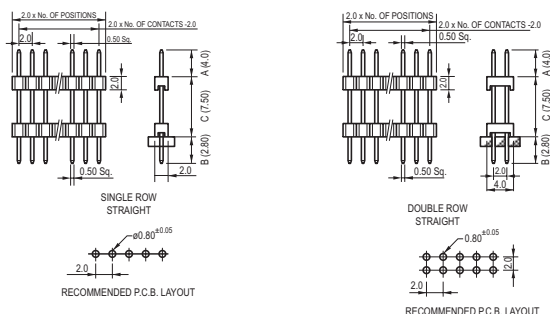
2.00mm Pitch(0.079") Pin Header Surface Mount Double Row

P9115



2.00mm Pitch(0.079") Pin Header Basic Stack Type Single Row/Double Row

P9119 & P9118



ORDERING INFORMATION

P911XXXXXXXX-X						
X	X	XX	X	XX	X	
Series	Type of Row	Profile	Number of Contacts	PCB -PCB	A/B	Plating
P911	1=Single Row S/T 2=Single Row R/A 3=Double Row S/T 4=Double Row R/A 5=Surface Mount DR 8=Basic Stack Type DR S/T 9=Basic Stack Type SR S/T	"-" =Std 1.5mm A=2.0mm "-" =Std 1.5mm With Alignment pin A=2.0 mm W/o Alignment pin B=1.5mm without Alignment pin C=2.0mm with Alignment pin D=3.0mm	02 to 40 For Single Row 04 to 80 For Double Row	Specify Length (Applicable For type of row 8 & 9 only) Otherwise indicate as "-"	01=3.2/2.8 02=3.2/3.5 13=4.0/13.5 11=4.0/2.8 15=4.0/2.4 For Others Specify A & B Dim.	1=Gold Flash 2=0.75μ Gold 3=Gold Flash on Contact Side & Tin on Solder Side 4=5μ Tin
Note : For Surface Mount Type, Specify Above/Below Length (End to End)						

2.00MM (0.079") PITCH BOX HEADER

P961 Series

Specifications

Current Rating : 1A
 Contact Resistance : 20mΩ max.
 Insulation Resistance : 5000MΩ min.
 Dielectric Withstanding : 500VAC
 Temperature Range : -40°C to +105°C

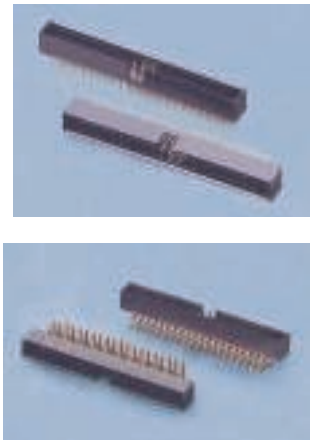
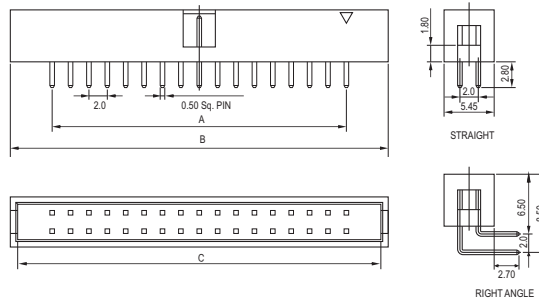
Material & Finish

Contact : Copper Alloy, Gold Plated
 Insulator : Polyester, UL 94V-0

2.00mm (0.079") Pitch Box Header Double Row (Straight & Right Angle)

P9613 & P9614

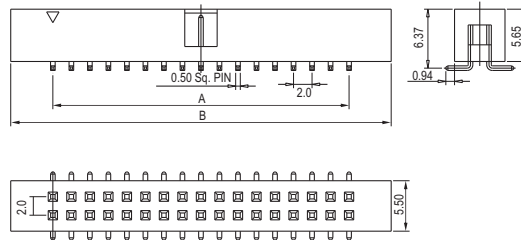
Pins	Dim. A	Dim. B	Dim. C
08	6.00	15.20	14.0
10	8.00	17.10	16.0
12	10.00	19.10	18.0
14	12.00	21.10	20.0
16	14.00	23.10	22.0
20	18.00	27.10	26.0
22	20.00	29.10	28.0
24	22.00	31.10	30.0
26	24.00	33.10	32.0
30	28.00	37.10	36.0
32	30.00	39.10	38.0
34	30.00	41.10	40.0
36	34.00	43.10	42.0
40	38.00	47.00	46.0
44	42.00	51.00	50.0
50	48.00	57.10	56.0
60	58.00	67.10	66.0
64	62.00	70.10	70.0



2.00mm (0.079") Pitch Box Header Double Row Surface Mount

P9615

For Dim A & Dim B refer above table



ORDERING INFORMATION

P961X-XX-81-X			
Series	Type of Row	Number of Contacts	Plating
P961	3=Double Row S/T 4=Double Row R/A 5=Double Row SMT	08, 10, 12, 14, 16, 20 22, 24, 26, 30, 32 34, 36, 40, 44, 50 60, 64, 68	1=Gold Flash 2=0.75μ Gold 4=5μ Tin 6=Gold flash on contact side & Tin on solder side

Note: For female headers with notch, contact factory.

2.00MM(0.079") PITCH DIP PLUG

P9413IDS Series

Specifications

Current Rating	: 1A	Material & Finish	
Contact Resistance	: 20m Ohms Max	Insulator Body	: Glass Filled Polyester, UL94V-0
Insulation Resistance	: 5000 Mohms Min	Contact	: Copper Alloy, Tin Plated
Dielectric Withstanding	: 500V AC		
Temperature Range	: -40°C To +105°C		
Insertion Force	: 0.7N Avg.		
Withdrawal Force	: 0.5N Avg.		
Mechanical Life	: 100 Cycles Min.		

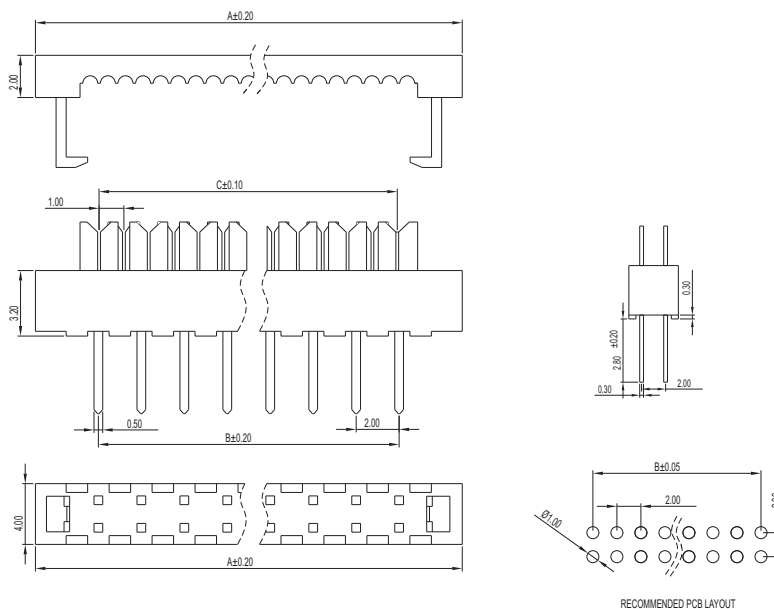
2.0mm Pitch DIP Plug

P9413IDSA-XX-24

No. of Contacts
08 to 34

No of Contacts	Dimensions		
	A	B	C
8	12.10	6.00	7.00
10	14.10	8.00	9.00
12	16.10	10.00	11.00
14	18.10	12.00	13.00
16	20.10	14.00	15.00
18	22.10	16.00	17.00
20	24.10	18.00	19.00
22	26.10	20.00	21.00
24	28.10	22.00	23.00
26	30.10	24.00	25.00
28	32.10	26.00	27.00
30	34.10	28.00	29.00
32	36.10	30.00	31.00
34	38.10	32.00	33.00

No of Contacts	Dimensions		
	A	B	C
36	40.10	34.00	35.00
38	42.10	36.00	37.00
40	44.10	38.00	39.00
42	46.10	40.00	41.00
44	48.10	42.00	43.00
46	50.10	44.00	45.00
48	52.10	46.00	47.00
50	54.10	48.00	49.00
52	56.10	50.00	51.00
54	58.10	52.00	53.00
56	60.10	54.00	55.00
58	62.10	56.00	57.00
60	64.10	58.00	59.00



2.00MM(0.079") PITCH MINI JUMPER P921 Series

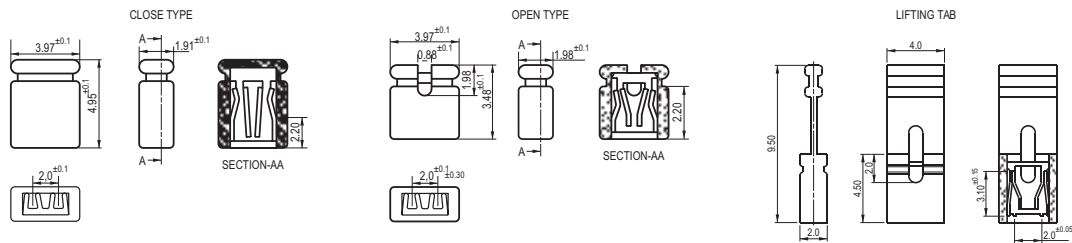
Specifications

Current Rating : 3A
 Contact Resistance : 20mΩ max.
 Insulation Resistance : 1000MΩ min.
 Dielectric Withstanding : 500VAC for 1 min.
 Temperature Range : -40°C to +105°C



Material & Finish

Contact : Phosphor Bronze, Gold Plated
 Insulator : Glass Filled Thermoplastic Polyester



ORDERING INFORMATION

P921X-XX-XX			
	X	XX	XX
Series	Type of Insulator	Colour of Insulator	Plating
P921	1=Close Type	50=Black	21=Gold Flash
	2=Open Type	52=Red	22=0.75μ Gold
	3=Lifting tab	56=Blue	
Note: For lifting tab, only black and blue colour available			

2.00MM(0.079") PITCH FEMALE HEADERS (FORMED CONTACTS)

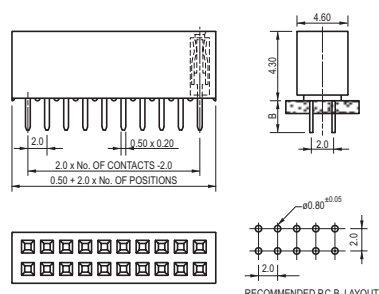
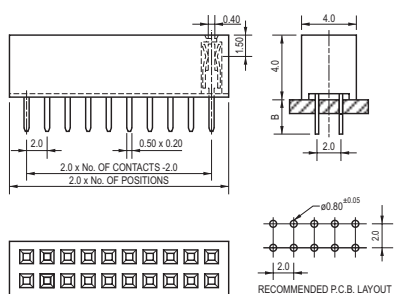
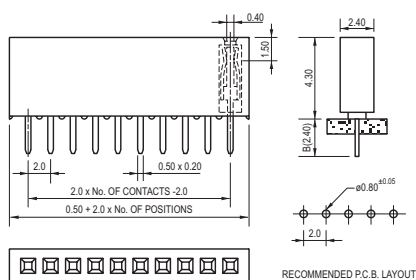
P941Series

Specifications

Current Rating	: 1A	Material & Finish
Contact Resistance	: 20mΩ max.	Contact : Copper Alloy, Gold Plated
Insulation Resistance	: 5000MΩ min.	Insulator : Polyester, UL-94V-0
Dielectric Withstanding	: 500V AC	
Temperature Range	: -40°C to +105°C	
Insertion Force/Contact	: 0.07Kg Avg	
Extraction Force/Contact	: 0.05Kg Avg	
Mechanical Life	: 100 Cycles min.	

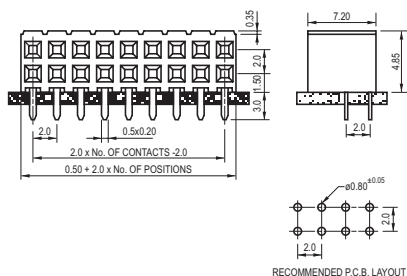
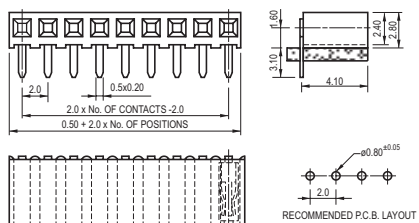
2.00mm(0.079") Pitch Female Header Single Row/Double Row Straight Profile: 4.0mm & 4.3mm

P9411 / P9413



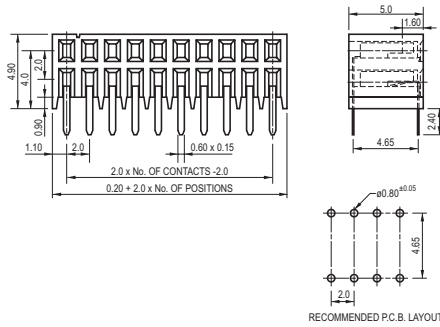
2.00mm(0.079") Pitch Female Headers Single Row/Double Row Right Angle Profile: 4.3mm & 4.85mm

P9412 / P9414



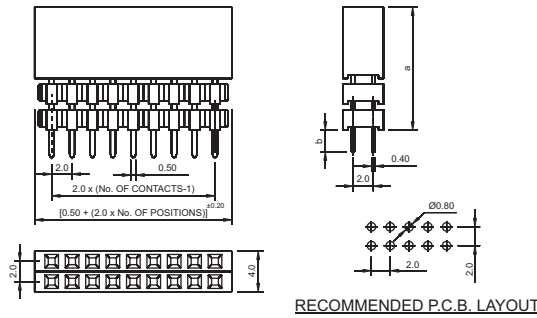
2.00mm(0.079") Pitch Female Header Side Entry Double Row with Polarization

P9417



2.00mm Pitch(0.079") Female Header Elevated Type / Double Row

P941D



Note: customized elevated available

ORDERING INFORMATION

P941X X XX X XX					
Series	Type of Row	Profile	Number of Contacts	Tail Option	Plating
P941	1=Single Row S/T 2=Single Row R/A 3=Double Row S/T 4=Double Row R/A	- =Std 4.0mm A=4.3mm B=4.85mm (Applicable to Type of row 04 only) C=6.35mm	04 to 40 For Single Row 04 to 80 For Double Row	For Straight - =Std 2.4mm 1=1.2mm 2=3.2mm For Right Angle - =Std 3.0mm (Applicable to Type of row 04 only) - = Std=2.4mm	21=Gold Flash 22=5μ Tin 23=Gold Flash On Contact Side & Tin On Solder Side
	7=Double Row Side Entry	- =Std 4.9mm			
	D=Double Row Elevated Type	→ 0	Elevated Type XX No. Of Contacts 02 to 80	A/B (Elevated) B= 8.30/3.28mm C=10.30/3.15mm D=12.30/3.20mm E= 9.0/2.28mm F= 11.0/2.28mm G= 9.35/2.28mm I= 7.80/4.0mm J=12.70/8.90mm	

2.00MM(0.079") PITCH FEMALE HEADER 4.0 MM BASE WITH POLARISATION PAD

P9713 Series

Specifications

Current Rating	: 1 A
Contact Resistance	: 20mΩ max.
Insulation Resistance	: 5000MΩ min.
Dielectric Voltage	: 500V AC for 1 minute
Temperature Range	: -40°C To +105°C

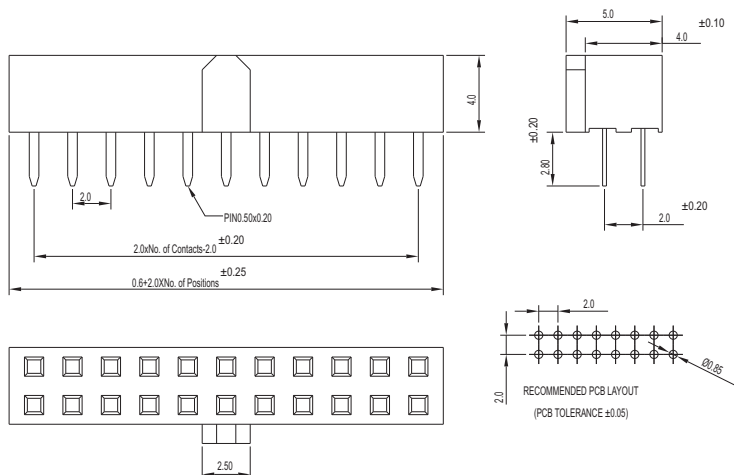
Material & Finish

Contact	: Copper Alloy, Gold Plated
Insulator	: Polyester, UL94V-0

Double Row Straight

P9713-~~XX~~-21

No. of Contacts
022 to 40



2.00MM (0.079") PITCH FEMALE HEADERS (FORMED CONTACTS) SURFACE MOUNT

P9415 & P9416 Series

Specifications

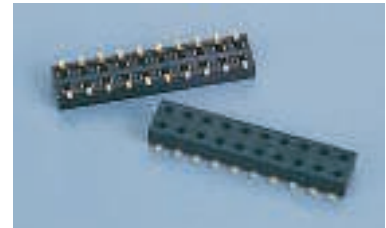
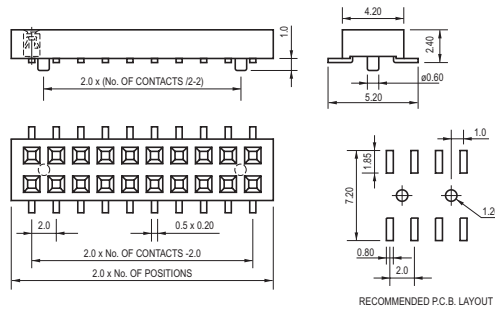
Current Rating	: 1A
Contact Resistance	: 20mΩ max.
Insulation Resistance	: 5000MΩ min.
Dielectric Withstanding	: 500V AC
Temperature Range	: -40°C to +105°C
Insertion Force/Contact	: 0.07Kg Avg
Extraction Force/Contact	: 0.05Kg Avg
Mechanical Life	: 100 Cycles min.

Material & Finish

Contact	: Copper Alloy, Gold Plated
Insulator	: Polyester, UL-94V-0

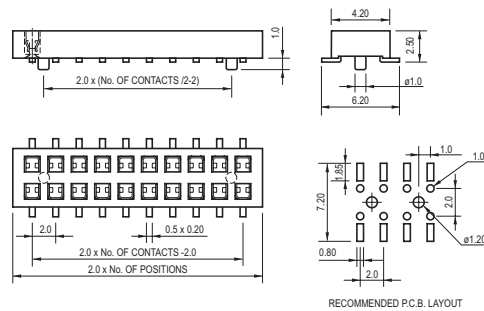
2.00mm(0.079") Pitch Female Header Double Row Surface Mount 2.4mm Base

P9415



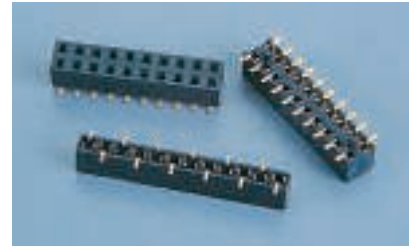
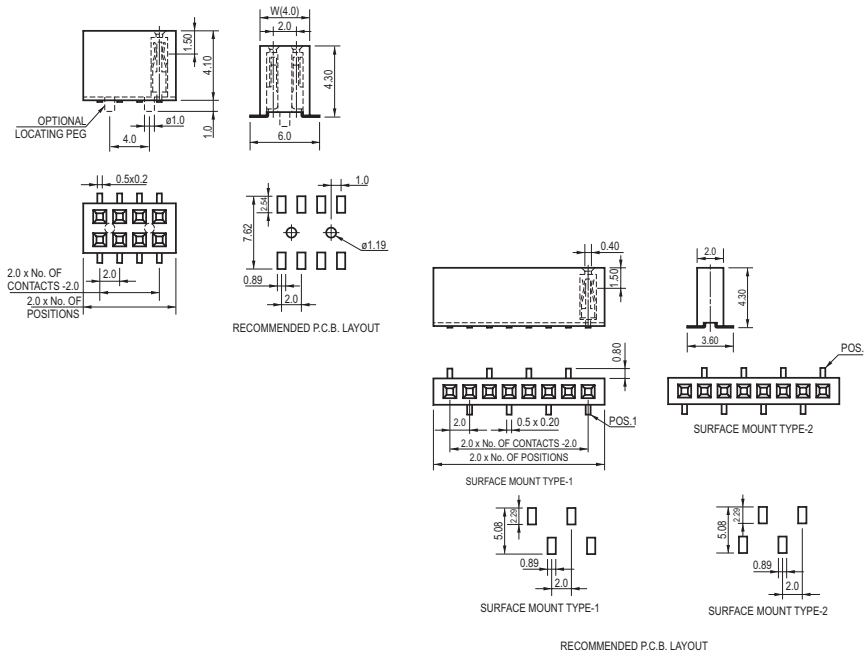
2.00mm(0.079") Pitch Female Header Double Row Surface Mount 2.5mm Base Bottom Entry

P9415A



2.00mm(0.079") Pitch Female Header Single Row/Double Row Surface Mount 4.3mm Base

P9415B & P9416



ORDERING INFORMATION

P941XXXX-XX				
Series	X	X	XX	XX
	Type of Row	Profile	Number of Contacts	Plating
P941	5=Surface Mount DR 6=Surface Mount SR	"-" =Std 2.2mm A=2.5mm Bottom Entry with Alignment B=4.3mm C=2.5mm Bottom Entry without alignment D=2.2mm with Alignment pin E=4.3mm with Alignment pin (Applicable to Type of row 5 only) F=9.0mm w/o alignment For Type of Row 6 only "-" =Std 4.3mm, SM1 Type A=Std 4.3mm, SM2 Type	04 to 25 For Single Row 06 to 80 For Double Row *For Bottom Entry 10 to 60	21=Gold Flash 22=0.75μ Gold 23= Gold Flash on Contact Side & Tin on Solder Side 24= 5μ Tin

2.00MM (0.079") PITCH IDC SOCKET

P9413IDS Series

Specifications

Current Rating	:	1A
Contact Resistance	:	30mΩ max.
Insulation Resistance	:	1000MΩ min.
Dielectric Withstanding	:	500V AC For 1minute
Temperature Range	:	-55°C To +105°C

Material & Finish

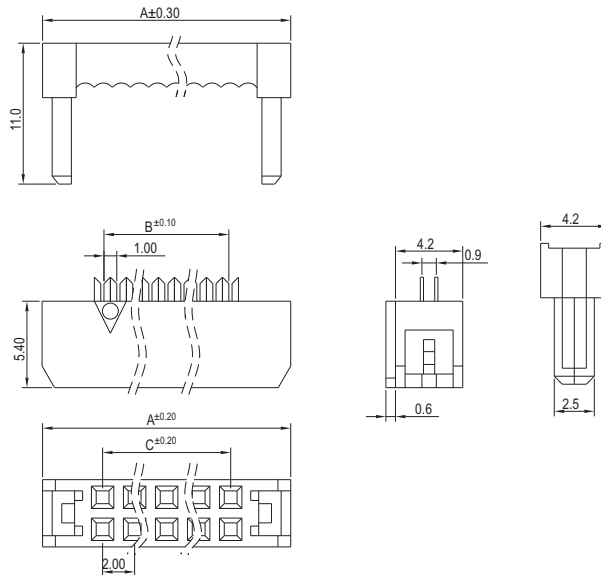
Contact	:	Copper Alloy, Gold Plated
Insulator	:	Polyester, UL94V-0

2.00mm Pitch, IDC Socket With Strain Relief

P9413IDS-XX-21

XX=NO. OF CONTACTS
06 to 100

No of Contacts	Dimensions			No of Contacts	Dimensions		
	A	B	C		A	B	C
6	11.20	5.00	4.00	36	41.20	35.00	34.00
8	13.20	7.00	6.00	38	43.20	37.00	36.00
10	15.20	9.00	8.00	40	45.20	39.00	38.00
12	17.20	11.00	10.00	44	49.20	43.00	42.00
14	19.20	13.00	12.00	48	53.20	47.00	46.00
16	21.20	15.00	14.00	50	55.20	49.00	48.00
18	23.20	17.00	16.00	54	59.20	53.00	52.00
20	25.20	19.00	18.00	56	61.20	55.00	54.00
22	27.20	21.00	20.00	60	65.20	59.00	58.00
24	29.20	23.00	22.00	62	67.20	61.00	60.00
26	31.20	25.00	24.00	64	69.20	63.00	62.00
28	33.20	27.00	26.00	68	73.20	67.00	66.00
30	35.20	29.00	28.00	80	85.20	79.00	78.00
32	37.20	31.00	30.00	100	105.20	99.00	98.00
34	39.20	33.00	32.00				



1.27X1.27MM PITCH PIN HEADERS

P913 Series

Specifications

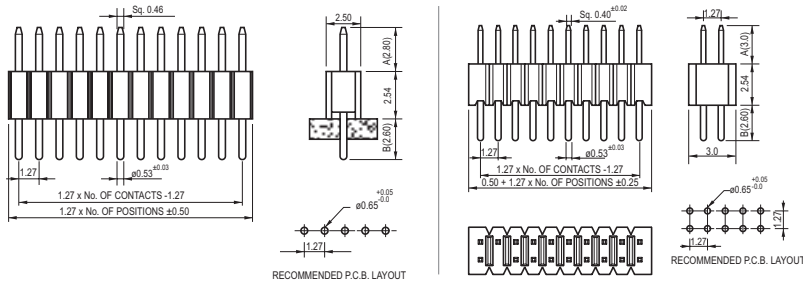
Current Rating : 1A
 Insulation Resistance : 5000MΩ min.
 Dielectric Withstanding : 500V AC
 Temperature Range : -40°C to +105°C

Material & Finish

Contact : Copper Alloy, Gold Plated
 Insulator : Polyester, UL94V-0

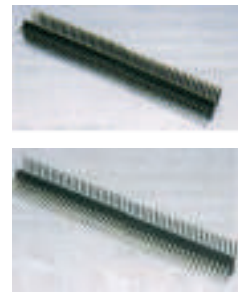
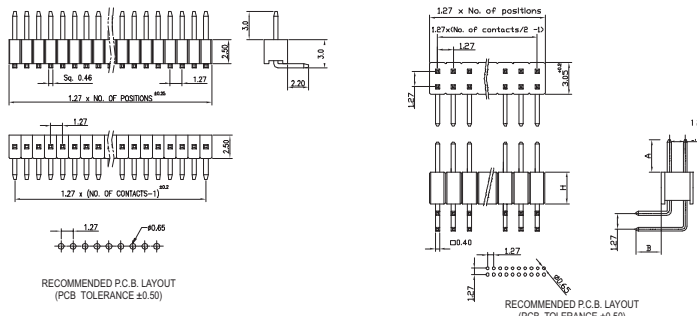
1.27x1.27mm Pitch Pin Header Single Row/Double Row Straight

P9131 / P9133



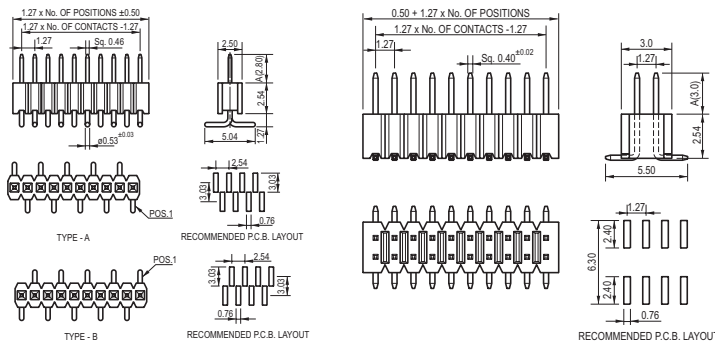
1.27x1.27mm Pitch Pin Header Single Row/Double Row Right Angle

P9132 / P9134



1.27x1.27mm Pitch Pin Header Surface Mount Single Row/Double Row

P9136 / P9135



ORDERING INFORMATION

P913XXXXXX-X					
Series	Type of Row	Profile	Number of Contacts	A/B	Plating
P913	1=Single Row S/T 2=Single Row R/A 3=Double Row S/T 4=Double Row R/A 5=Surface Mount DR 6=Surface Mount SR Type A A=1.27x2.54mm B=Surface mount SR Type B	"-I" =Std 2.54mm A=1.7mm, 1.5 B=3.0mm C=3.4mm D=3.95mm E=2.9mm F=2.0mm (Applicable to Type of row 1 to 6 & B only) G=1.0mm with alignment Pin H=1.15mm I=1.4mm	003 to 032 For Single Row 006 to 100 For Double Row	24=2.8/2.6 54=6.0/2.6 57=6.0/3.0 (Applicable to Type of row 1 to 3 only) 36=3.0/2.2 (For type of row 2) 35=3.0/2.3 (For type of row 4) BB=5.8/10.0 (applicable for type of Row 'A' only)	1=Gold Flash 2=0.75μ Gold 3=Gold Flash on Contact Side Tin on Solder Side 4=5μ Tin

Note: For Surface Mount Type, Specify Above/Below Length (End to End)

1.27x1.27MM PITCH BOX HEADER, 5.7MM BASE

P963 Series

Specifications

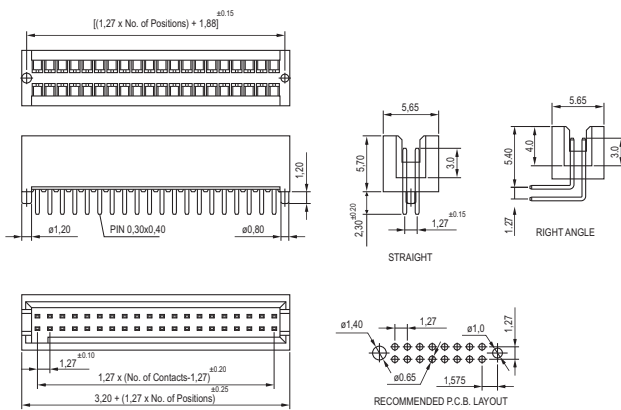
Current Rating	: 1A
Contact Resistance	: 20mΩ max.
Insulation Resistance	: 5000MΩ min.
Dielectric Withstanding	: 500VAC
Temperature Range	: -40°C to +105°C

Material & Finish

Contact	: Copper Alloy, Gold Plated
Insulator	: Polyester, UL 94V-0

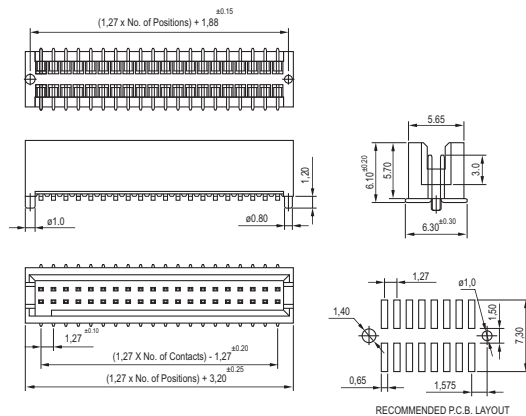
1.27x1.27mm Pitch Box Header Double Row (Straight & Right angle)

P9633 & P9634



1.27x1.27mm pitch Box Header Double Row Surface Mount

P9635



ORDERING INFORMATION

P963X-XX-35-X X				
Series	Type of Row	Number of Contacts	Plating	Alignment Option
P963	3=Double Row S/T 4=Double Row R/A 5=Double Row SMT	006-100	1= Gold Flash 2=0.75μ Gold 4=5μ Tin 6=Gold flash on contact side & Tin on solder side	'Blank' = w/o Alignment pin A=With Alignment pin

1.27x1.27MM PITCH BOX HEADER FOR IDC

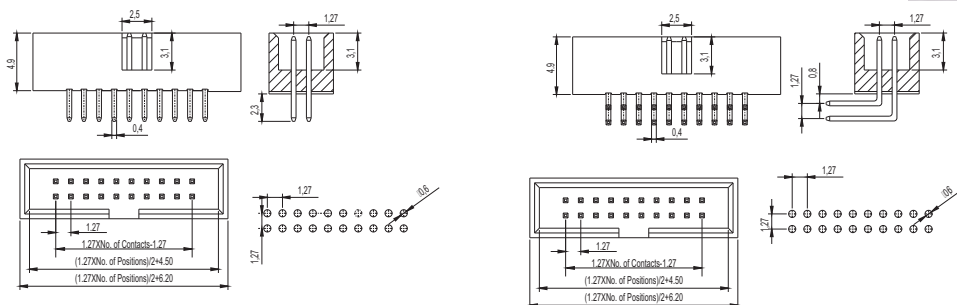
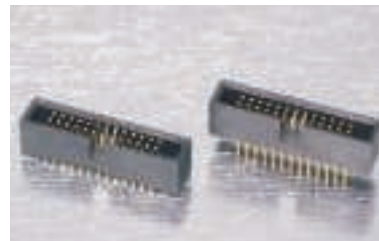
P963 Series

Specifications

Current Rating	: 1A	Material & Finish	
Contact Resistance	: 20mΩ max.	Contact	: Copper Alloy, Gold Plated
Insulation Resistance	: 1000MΩ min.	Insulator	: Polyester, UL 94V-0
Dielectric Withstanding	: 500V AC for 1 minute		
Temperature Range	: -40°C to +105°C		

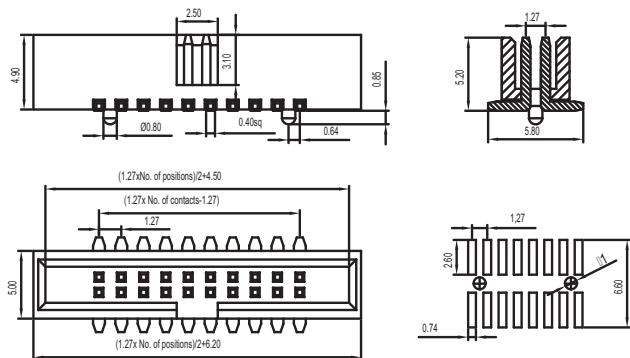
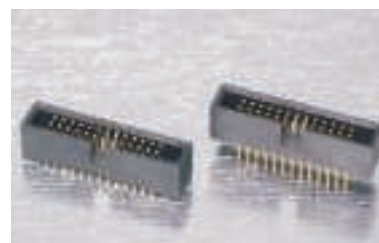
1.27x1.27mm Box Header, Dual Row (straight & Right Angle)

P9633S/ P9634S



1.27 x 1.27 mm Pitch Box Header Double Row Surface Mount

P9635S



ORDERING INFORMATION

P963XSXXX-35-XX				
Series	Type of Row	No. Of Contacts	Plating	Alignment Option
P963	3=Double Row S/T 4=Double Row R/A 5=Double Row SMT	006-100	1 = Gold Flash 2=0.75μ Gold 4=5μ Tin 6=Gold flash on contact side & Tin on solder side	'Blank' = w/o Alignment pin A=With Alignment pin

1.27MM PITCH MINI JUMPER

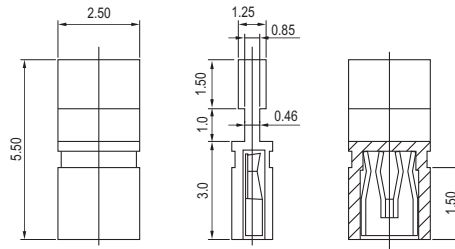
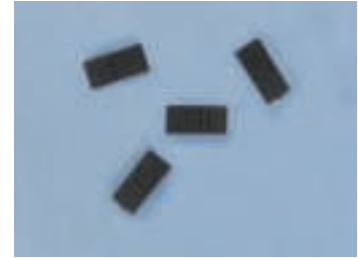
P923 Series

Specifications

Current Rating : 2A
 Contact Resistance : 30mΩ max
 Insulation Resistance : 1000MΩ min
 Dielectric Withstanding : 650V AC
 Temperature Range : -55°C to +105°C

Material & Finish

Contact : Phosphor Bronze, Gold Plated
 Insulator : Glass Filled Thermoplastic Polyester, UL 94V-0



ORDERING INFORMATION

P923X-XX-2X			
	X	XX	X
Series	Type of Insulator	Color of the insulator	Plating
P923	1= Lifting Tab	50=Black 52=Red 56=Blue	1= Gold Flash

1.27X1.27MM PITCH FEMALE HEADERS

P943 Series

Specifications

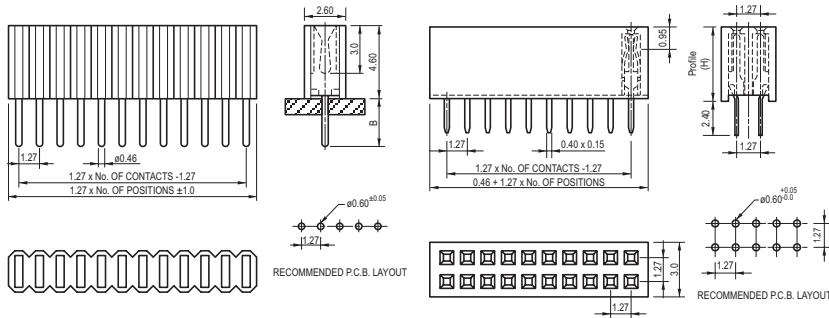
Current Rating	: 1A
Insulation Resistance	: 5000MΩ min.
Dielectric Withstanding	: 500V AC
Temperature Range	: -40°C to +105°C

Material & Finish

Contact	: Copper Alloy, Gold Plated
Insulator	: Polyester, UL94V-0

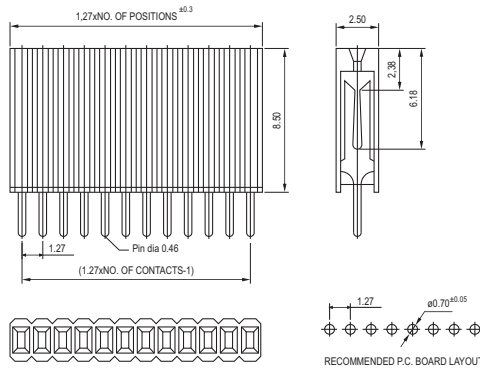
1.27x1.27mm Pitch Female Header Single Row/Double Row Straight

P9431 / P9433



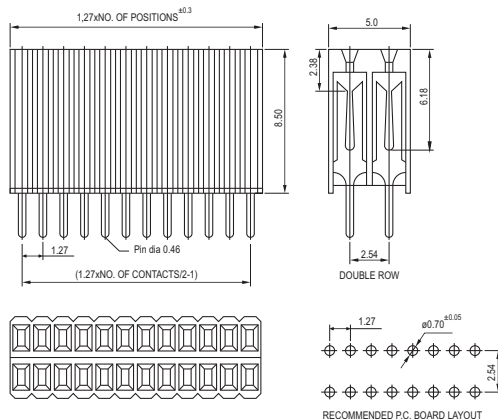
1.27mm Pitch Female Header Single Row Profile: 8.5mm

P9431D



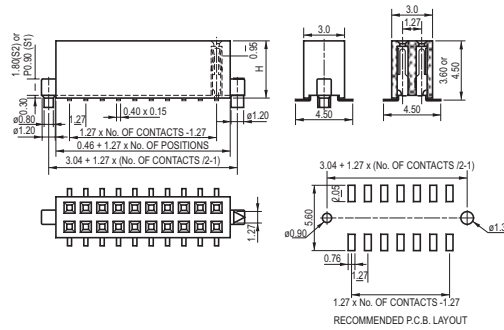
1.27x2.54mm Pitch Female Header Double Row Profile: 8.5mm

P943BD



1.27x1.27mm Pitch Female Header Surface Mount Double Row

P9435



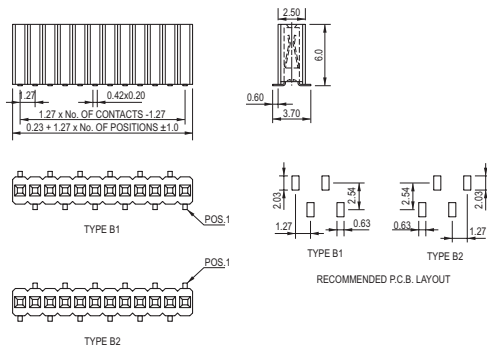
ORDERING INFORMATION

P943XXXXXX-XX					
Series	Type of Row	Profile	Number of Contacts	Tail Length	Plating
P943	1=Single Row S/T 3=Double Row S/T 5=Surface Mount DR B=1.27x2.54mm Double Row s/t	For Single Row "-" =Std 4.6mm For Double Row A=3.4mm B=4.3mm D=8.5mm (for type of Row 1&B only)	006 to 040 For Single Row 006 to 100 For Double Row	For Single Row 1=1.5mm 2=2.4mm 3=3.0mm For Double Row A=With Alignment L=With Locking Clip "-" =Without Alignment 4=2.7mm (for type of Row 1&B only)	21=Gold Flash 22=0.75μ Gold 23=Gold Flash on Contact Side & Tin on Solder Side 24=5μ Tin

1.27x1.27mm Pitch Female Header Surface Mount Single Row

Profile:5.8mm

P9436



ORDERING INFORMATION

P9436-XX-X-XX			
Series	Number of Contacts	Surface Mount Type	Plating
P9436 Single Row	03 to 50	1=B1 Type 2=B2 Type	21=Gold Flash 22=0.75μ Gold 23=Gold Flash on Contact side & Tin on Solder Side 24=5μ Tin

1.27X1.27MM PITCH IDC SOCKETS

P9433 IDS Series

Specifications

Current Rating	: 1A
Contact Resistance	: 20m Ω max.
Insulation Resistance	: 5000MΩ min.
Dielectric Withstanding	: 500V AC
Temperature Range	: -40°C to + 65°C

Material & Finish

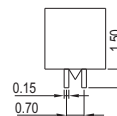
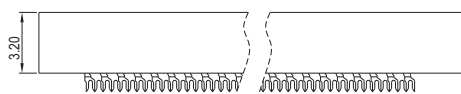
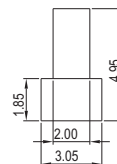
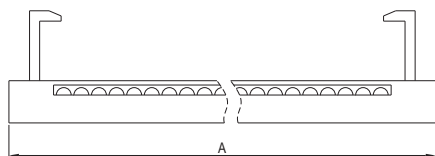
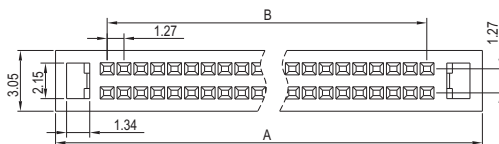
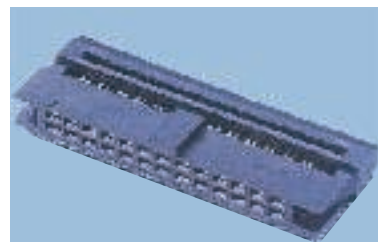
Contact	: Copper Alloy, Gold Plated
Insulator	: Polyester, UL94V-0

1.27X1.27mm PITCH IDC SOCKET WITH STRAIN RELIEF

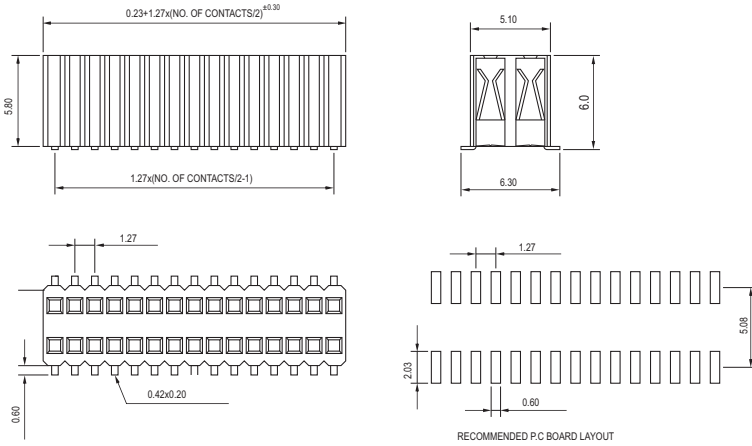
P9433IDSXXX-21

XXX=No. Of Contacts ←

No of Contacts	Dimensions	
	A	B
10	10.54	5.08
12	11.81	6.35
20	16.89	11.43
26	20.70	15.24
30	23.24	17.78
34	25.78	20.32
40	29.59	24.13
44	32.13	26.67
50	35.94	30.48
60	42.29	36.83
68	47.37	41.91
80	54.99	49.53



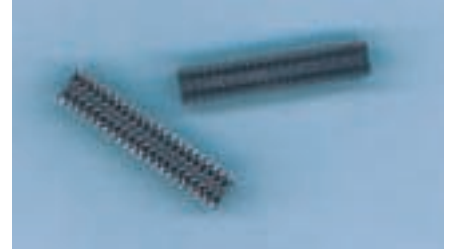
1.27x2.54MM PITCH FEMALE HEADER DOUBLE ROW SURFACE MOUNT 5.8MM BASE P943 Series



P943A-XXX-21

No. of Contacts
006 to 100

Gold Flash



1.0MM PITCH PIN HEADERS

P914 Series

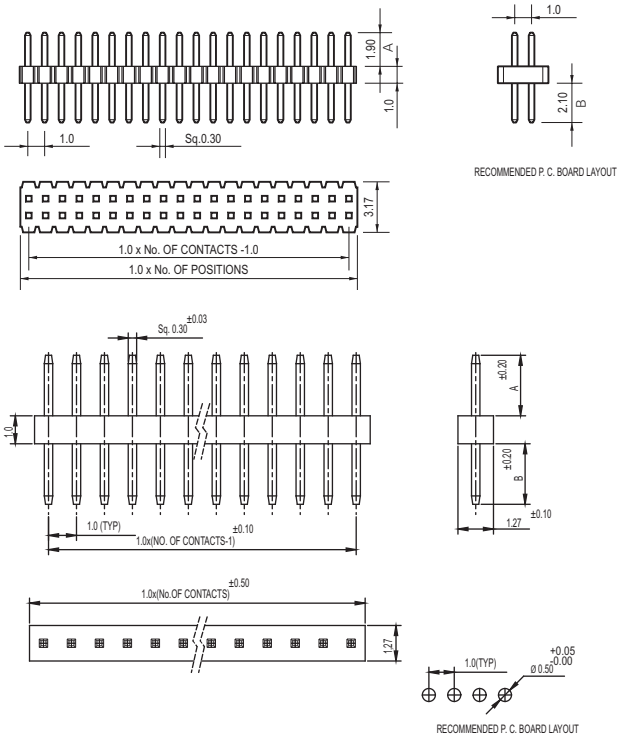
Specifications

Current Rating : 1A
 Contact Resistance : 40mΩ max.
 Insulation Resistance : 5000MΩ min. At 500V
 Dielectric Withstanding : 500V AC at 1 Minute
 Temperature Range : -40°C to +105°C

Material & Finish
 Contact: Copper Alloy, Gold Plated
 Insulator: Polyester, UL94V-0

1.0mm Pitch Pin Header Double Row Straight

P9141/ P9143

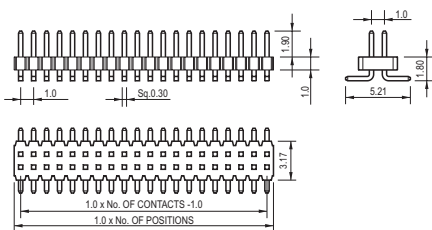


ORDERING INFORMATION

P914X-XXXXX-X				
	X	XXX	XX	XX
Series	Type of Row	No. Of Contacts	A/B	Plating
P914	1= Single Row	002 - 050	66= 2.00/2.00	21=Gold Flash
	3= Double Row	For Single Row 002 - 100 For Double Row	6J = 2.00/1.20 DA= 6.60/3.30	23=Gold Flash on Contact side & Tin on Solder Side

1.0mm Pitch Pin Header Surface Mount Double Row

P9145-XXX62-X



- No. of Contacts: 010 to 120
- Plating: 1=Gold Flash
- 3=Gold Flash on Contact Side & Tin on Solder Side
- 4=5 μ Tin

1.0MM PITCH FEMALE HEADERS

P944 Series

Specifications

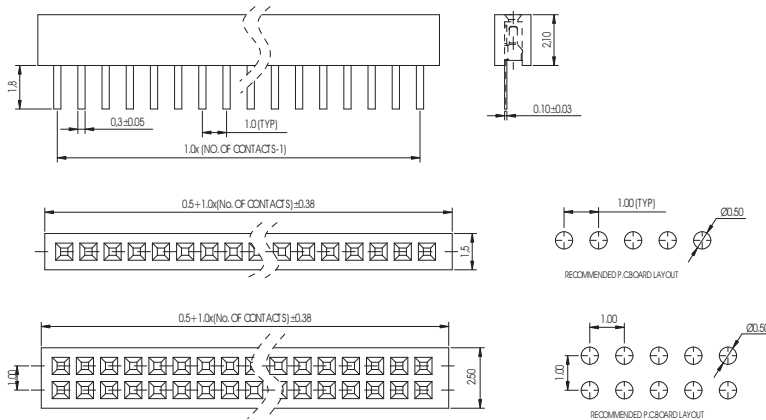
Current Rating	: 1A
Contact Resistance	: 40mΩ max.
Insulation Resistance	: 5000MΩ min.
Dielectric Withstanding	: 500V AC for 1 minute
Temperature Range	: -40°C to +105°C

Material & Finish

Contact	: Copper Alloy, Gold Plated
Insulator	: Polyester, UL94V-0

1.0 mm Pitch Pin Female Header Single Row & Double Row Straight

P9441/ 9443

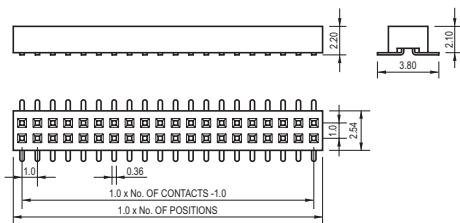


ORDERING INFORMATION

P944X-XXX-21		
Series	Type of Row	Number of Contacts
P944	1 = Single Row 3 = Double Row	002-050 For Single Row 002-100 For Double Row

1.0mm Pitch Female Header Surface Mount Double Row

P9445-XXX-XX



No. of Contacts:
010 to 120
Plating:
21 = Gold Flash
23 = Gold Flash on Contact Side & Tin on Solder Side
24 = 5μ Tin

0.8MM PITCH PIN HEADER/ FEMALE HEADER

P915 Series

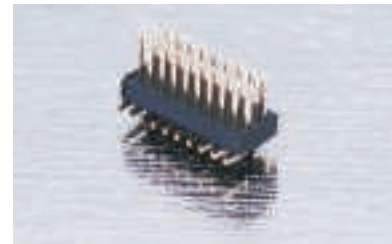
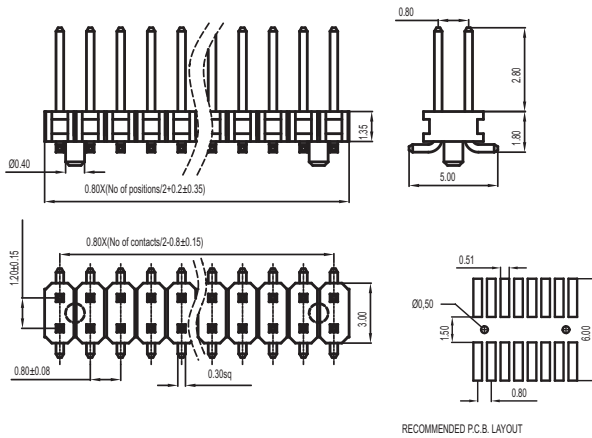
Specifications

Current Rating	: 1A	Material & Finish :	
Contact Resistance	: 15m Ω max.	Crimp Contact	: Copper Alloy, Gold Plated
Insulation Resistance	: 5000MΩ min.	Insulator	: Polyester, UL94V-0
Dielectric Withstanding	: 500V AC for 1 minute		
Temperature Range	: -40°C To +105°C		

0.8mm Pitch Pin Header Surface Mount, Double Row

P9157-XXX2F-1

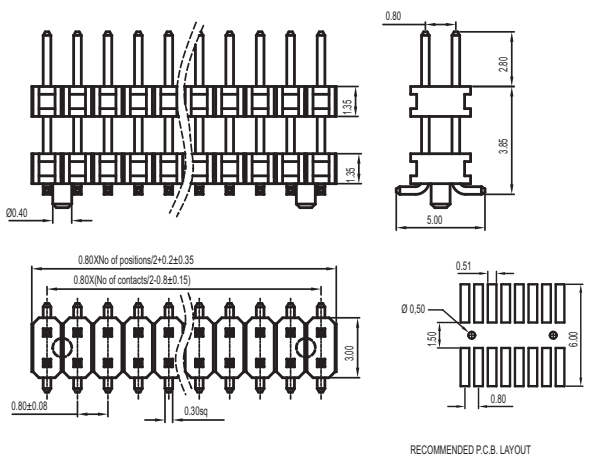
No. of Contacts:
04-80



0.8mm Pitch Pin Header Surface Mount, Double Row

P915C-XXXP2F-1

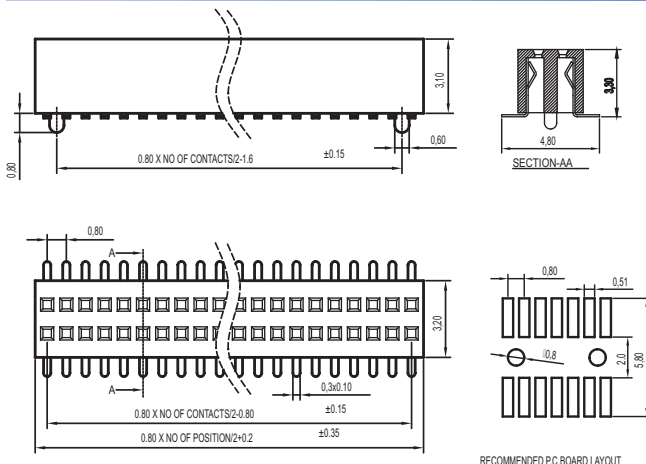
No. of Contacts:
04-80



0.8mm Pitch Pin Female Header Surface Mount, Double Row

P9457-XXX-21

No. of Contacts:
04-80



0.8MM PITCH PIN HEADER/FEMALE HEADER DOCKING TYPE

Specifications

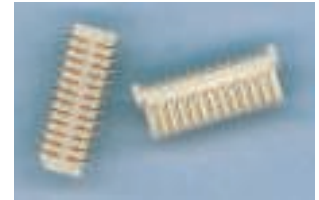
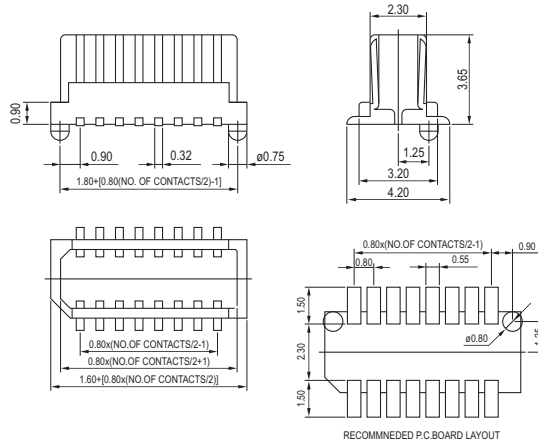
- Current Rating : 0.5A
- Contact Resistance : 40mΩ max.
- Insulation Resistance : 1000MΩ min.
- Dielectric Withstanding : 500V AC for 1 min.
- Temperature Range : -20°C to +105°C

Material & Finish

- Contact : Copper Alloy
- Insulator : Nylon 6T/LCP, UL94V-0

P9155-XXX 83-1

No. of Contacts ←
020 to 100
Plating: ←
1=Gold Flash

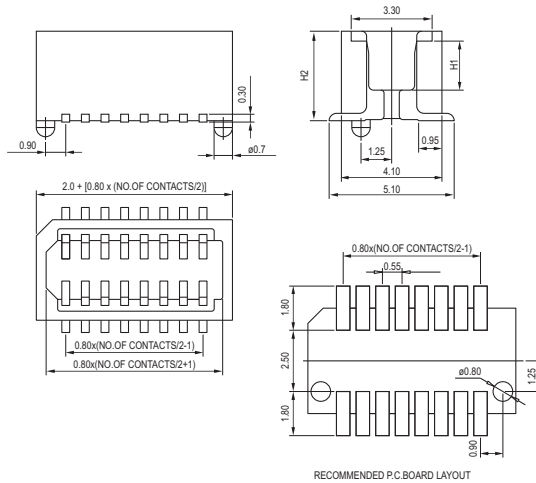


0.8mm Pitch Female Header Surface Mount, Double Row

P9455 Series

Same as P9155 Series

H1	H2
2.0	3.65
3.50	5.15
3.50	5.50
4.50	6.15

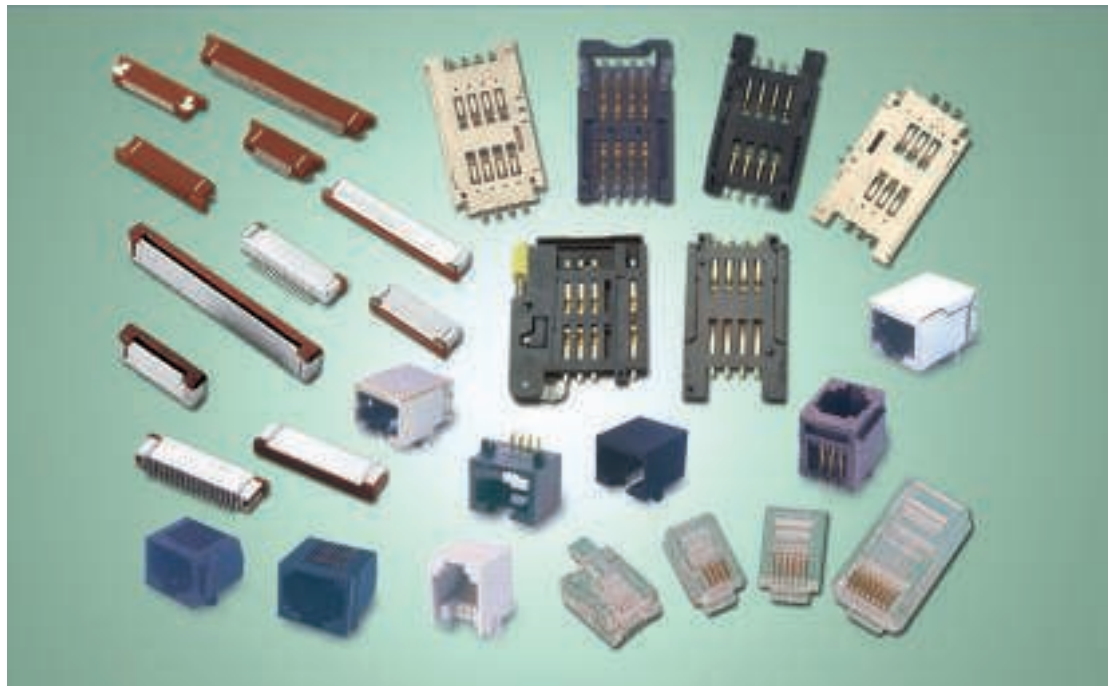


ORDERING INFORMATION

P9455 X XX-21			
Series	Profile (H2)	No. of contacts	Plating
P945	A=3.65mm B=5.15mm C=5.5mm D=6.15mm	020 to 100	1 = Gold Flash

Note: For 0.5mm, 0.4mm, 0.3mm pitch connectors, contact factory

FPC, SIM CARD HOLDERS & MODULAR JACKS & PLUGS



1.0MM PITCH FPC CONNECTORS

P7045 Series

Specifications

Voltage Rating	: 50V DC
Current Rating	: 0.5A
Contact Resistance	: 20mΩ max.
Insulation Resistance	: 100MΩ min.
Dielectric Withstanding	: 500VAC for 1 min.
Temperature Range	: -20°C to +85°C

Material & Finish

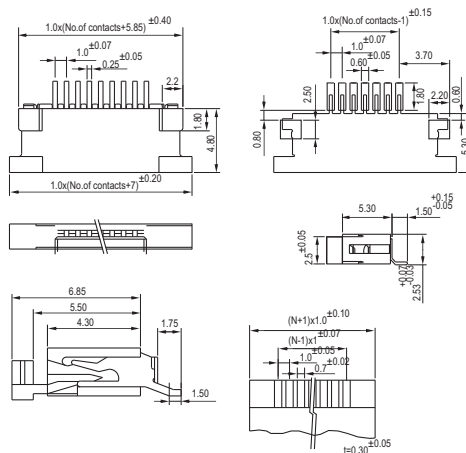
Contact	: Phosphor Bronze, Gold/Tin Plated
Insulator	: Nylon
Actuator	: PPS

ORDERING INFORMATION

P7045X2CX2XXX-X					
Series	Mounting Type	Actuator Colour	Plating	No. of Contacts	Packaging Type
P7045	T= Top Contact B= Bottom Contact V=Vertical Contact	0=Black 1=Brown	1=Gold Flash 4=5μ Tin	03 to 32	T=Tube R=Tape & Reel

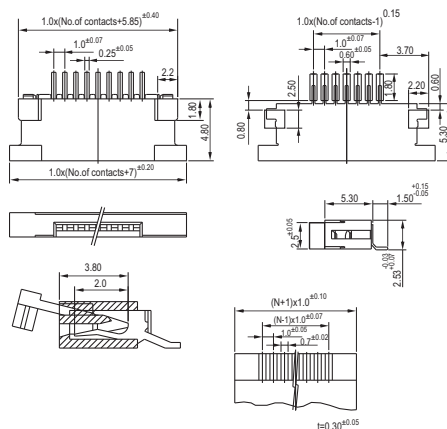
Horizontal Type Top Contact

P7045T



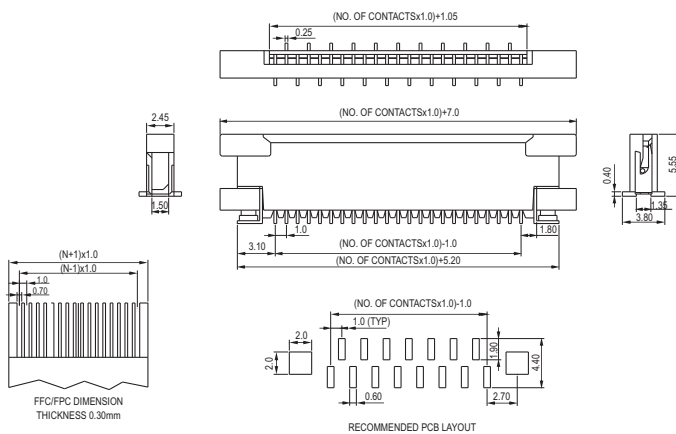
Horizontal Type Bottom Contact

P7045B



Vertical Type (Contact)

P7045V



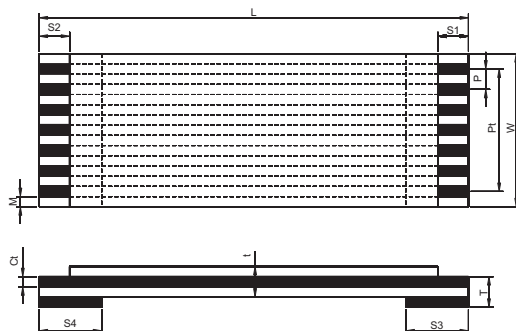
Flat Cable for 1.0mm Pitch FPC connectors

P704C-XX-1-X

Description	ABBR.	Formulation
Pitch	P	1.0
Total Length	Pt	Px(n - 1)
Width	W	Px(n + 1)
Margin	M	P-(Cw x 1/2)
Conduct Width	Cw	0.6
Conduct Thickness	Ct	Typical
Total (cable) Length	L	Typical
Strip Length	S1/S2	4/4
Support Tape Length	S3/S4	8/8
Terminal Thickness	T	0.3

- No. of Pins 04 to 50
- Type of conduct position
1. Contacts on same sides
 2. Contacts on alternate sides
 3. One end Mating & Other End Solder Type
 4. Both sides solder type
- Cable length

n-No. of conducts



0.5MM PITCH FPC CONNECTORS

P7065 Series

Specifications

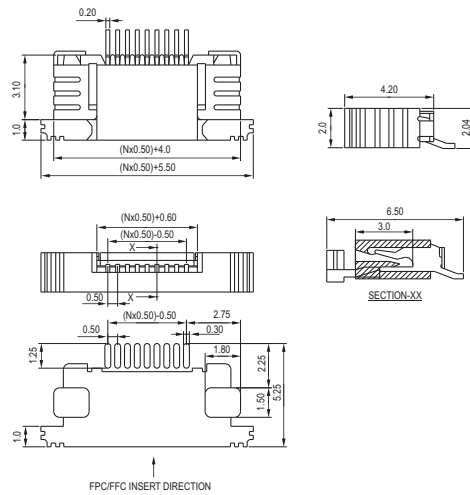
Voltage Rating	: 25V DC
Current Rating	: 0.3A
Contact Resistance	: 20mΩ max.
Insulation Resistance	: 100MΩ min.
Dielectric Withstanding	: 500VAC rms. for 1 min.
Temperature Range	: -25°C to +85°C

Material & Finish

Contact	: Copper Alloy, Tin Plated
Insulator	: Heat Resistance Plastic (UL94V-0) Nylon Resin, Brown
Actuator	: Heat Resistance Plastic (UL94V-0), Brown

0.5mm Pitch Horizontal Type Top Contact

P7065T21-24XX-X

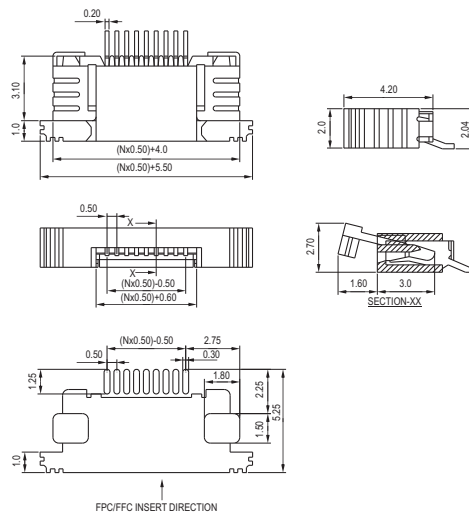


No. of Pins
04 to 50
Packaging Type
T: Tube R: Reel



0.5mm Pitch Horizontal Type Bottom Contact

P7065B21-24XX-X

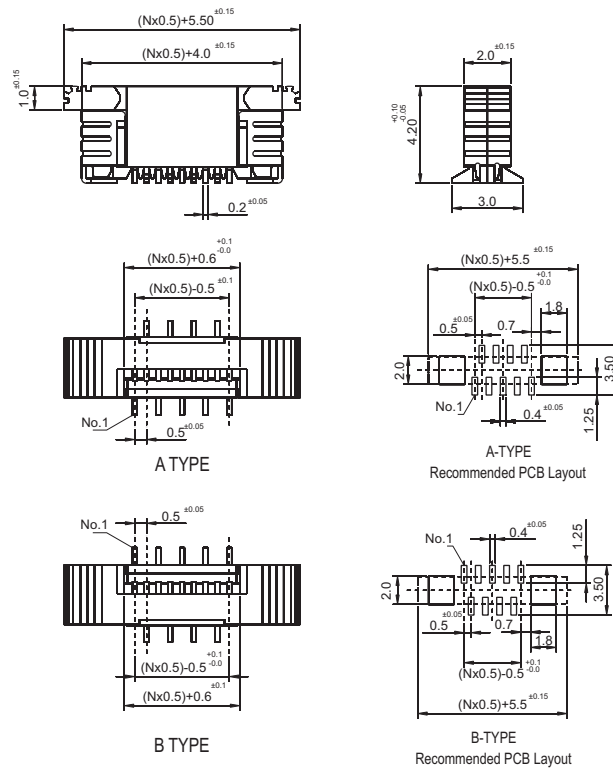


No. of Pins
04 to 50
Packaging Type
T: Tube R: Reel



0.5mm Pitch Vertical Type Contact

P7065V2124XX XT



No. of pins
04-50
Mounting Option
A=A type
B=B type



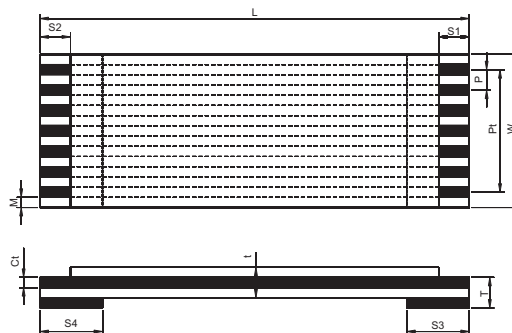
Flat Cable for 0.50mm Pitch FPC Connectors

P706C-XX-1-X-X

Description	ABBR.	Formulation
Pitch	P	0.5
Total Length	Pt	$P \times (n - 1)$
Width	W	$P \times (n + 1)$
Margin	M	$P - (Cw \times \frac{1}{2})$
Conduct Width	Cw	0.3
Conduct Thickness	Ct	Typical
Total (cable) Length	L	Typical
Strip Length	S1/S2	4/4
Support Tape Length	S3/S4	8/8
Terminal Thickness	T	0.3

No. of Pins
04 to 50
Type of conduct position
1. Contacts on same sides
2. Contacts on alternate sides
3. One end Mating & Other End Solder Type
4. Both sides solder type
Cable length

n = No. of conducts



1.0MM PITCH FPC CONNECTORS ZIF DIP TYPE

P704 Series

Specifications

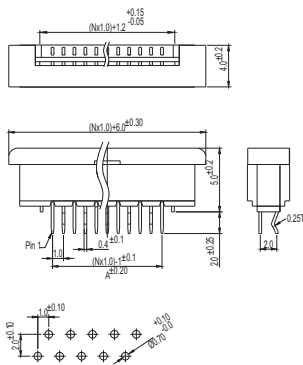
Current Rating	: 0.5A
Contact Resistance	: 20mΩ max.
Insulation Resistance	: 50MΩ min.
Dielectric Withstanding	: 250VAC for 1 min.
Temperature Range	: -20°C to +85°C

Material & Finish

Contact	: Copper Alloy, Tin Plated
Insulator	: Polyester, UL94V-0/ Nylon 46

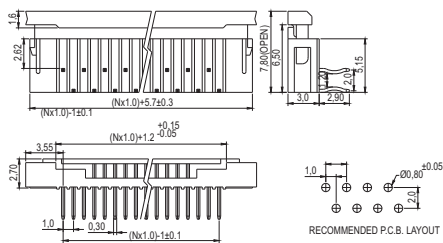
ZIF Dip Type Top Entry

P7043T



ZIF Dip Type Side Entry

P7044



ORDERING INFORMATION

P704X2C024XX-T			
X	XX	24	XX
Series	Mounting Type	Plating	No. of Contacts
P704	3T= Dip Top Entry 4= DIP Side Entry	24= Tin Plated	04 to 32

1.0MM PITCH FPC CONNECTORS NON-ZIF DIP TYPE

P704 Series

Specifications

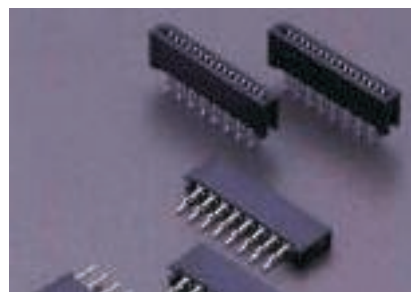
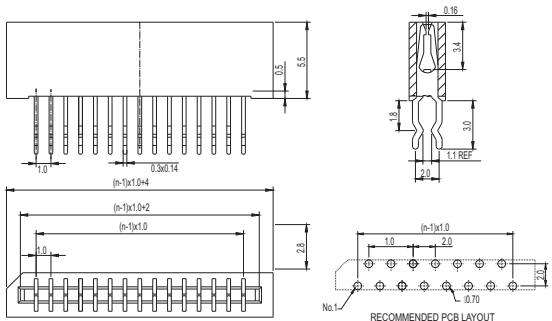
Current Rating : 0.5A
 Contact Resistance : 20mΩ max.
 Insulation Resistance : 50MΩ min.
 Dielectric Withstanding : 250VAC for 1 min.
 Temperature Range : -20°C to +85°C

Material & Finish

Contact : Copper Alloy, Tin Plated
 Insulator : Polyester, UL94V-0/ PBT

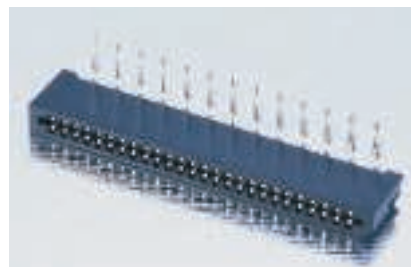
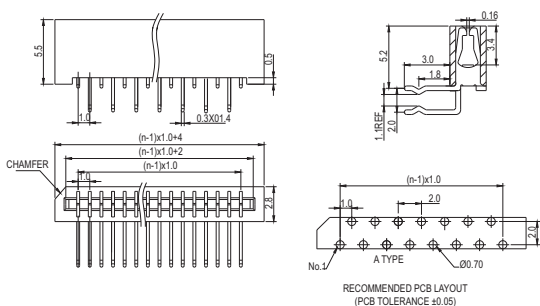
NON-ZIF Dip Type Top Entry

P7043A



NON-ZIF Dip Type Top Entry

P7044A



ORDERING INFORMATION

P704XAXX-24			
X	XX	XX	
Series	Mounting Type	No. of Contacts	Plating
P704	3=Dip Top Entry 4=Dip Side Entry	04 to 32	24= Tin Plated

1.25MM PITCH FPC CONNECTORS ZIF DIP TYPE

P7055 Series

Specifications

Current Rating	: 1A
Contact Resistance	: 20mΩ max.
Insulation Resistance	: 50MΩ min.
Dielectric Withstanding	: 250VAC for 1 min.
Temperature Range	: -20°C to +85°C

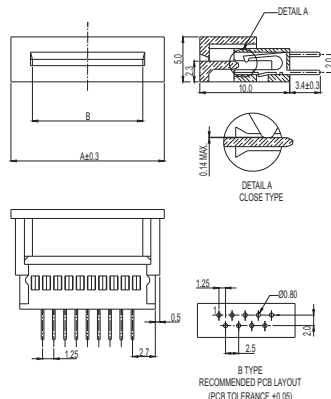
Material & Finish

Contact	: Copper Alloy, Tin Plated
Insulator	: Polyester, UL94V-0/ PBT

ZIF Dip Type Top Entry

P7055T

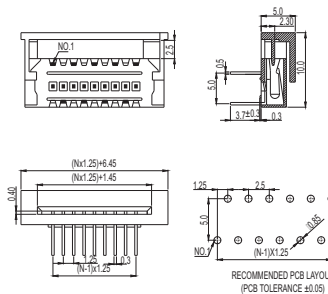
Circuit	A	B	Circuit	A	B
03	9.55	5.20	18	28.30	23.95
04	10.80	6.45	19	29.55	25.20
05	12.05	7.70	20	30.80	26.45
06	13.30	8.95	21	32.05	27.70
07	14.55	10.20	22	33.30	28.95
08	15.80	11.45	23	34.55	30.20
09	17.05	12.70	24	35.80	31.45
10	18.30	13.95	25	37.05	32.70
11	19.55	15.20	26	38.30	33.95
12	20.80	16.45	27	39.55	35.20
13	22.05	17.70	28	40.80	36.45
14	23.30	18.95	29	42.05	37.70
15	24.55	20.20	30	43.30	38.95
16	25.80	21.45	31	44.55	40.20
17	27.05	22.70	32	45.80	41.45



ZIF Dip Type Top Entry

P7055R

Circuit	A	B	Circuit	A	B
03	9.55	5.20	18	28.30	23.95
04	10.80	6.45	19	29.55	25.20
05	12.05	7.70	20	30.80	26.45
06	13.30	8.95	21	32.05	27.70
07	14.55	10.20	22	33.30	28.95
08	15.80	11.45	23	34.55	30.20
09	17.05	12.70	24	35.80	31.45
10	18.30	13.95	25	37.05	32.70
11	19.55	15.20	26	38.30	33.95
12	20.80	16.45	27	39.55	35.20
13	22.05	17.70	28	40.80	36.45
14	23.30	18.95	29	42.05	37.70
15	24.55	20.20	30	43.30	38.95
16	25.80	21.45	31	44.55	40.20
17	27.05	22.70	32	45.80	41.45



ORDERING INFORMATION

P7055X2C924XXXT			
X	XX	XX	
Series	Mounting Type	No. of Contacts	Mounting Option
P7055	T=Dip Top Entry R=DIP Side Entry	03 to 32	A= A Type B= B Type (Applicable for Mounting Type T Only)

1.25MM PITCH FPC CONNECTORS NON ZIF DIP TYPE

P705 Series

Specifications

Current Rating	:	1A
Contact Resistance	:	20mΩ max.
Insulation Resistance	:	50MΩ min.
Dielectric Withstanding	:	250VAC for 1 min.
Temperature Range	:	-20°C to +85°C

Material & Finish

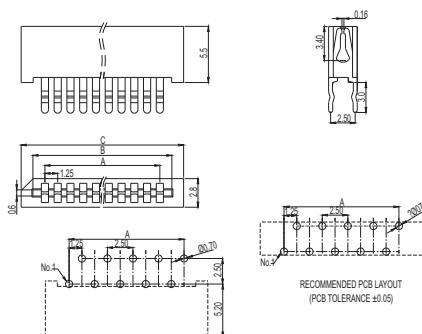
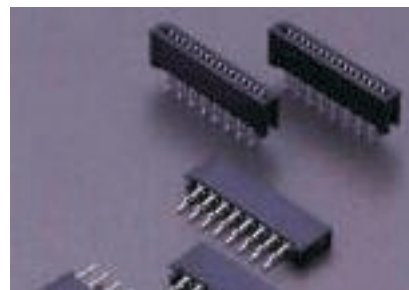
Contact	:	Copper Alloy, Tin Plated
Insulator	:	Polyester, UL94V-0/ PBT

NON-ZIF Dip Type Top Entry

P7053T

Contact	A	B	B
03	2.50	5.05	7.15
04	3.75	6.30	8.40
05	5.00	7.55	9.65
06	6.25	8.80	10.90
07	7.50	10.05	12.15
08	8.75	11.30	13.40
09	10.00	12.55	14.65
10	11.25	13.80	15.90
11	12.50	15.05	17.15
12	13.75	16.30	18.40
13	15.00	17.55	19.65
14	16.25	18.80	20.90
15	17.50	20.05	22.15
16	18.75	21.30	23.40
17	20.00	22.55	24.65
18	21.25	23.80	25.90
19	22.50	25.05	27.15

Contact	A	B	B
20	23.75	26.30	28.40
21	25.00	27.55	29.65
22	26.25	28.80	30.90
23	27.50	30.05	32.15
24	28.75	31.30	33.40
25	30.00	32.55	34.65
26	31.25	33.80	35.90
27	32.50	35.05	37.15
28	33.75	36.30	38.40
29	35.00	37.55	39.65
30	36.25	38.80	40.90
31	37.50	40.05	42.15
32	38.75	41.30	43.40
33	40.00	42.55	44.65
34	41.25	43.80	45.90
35	42.50	45.05	47.15
36	43.75	46.30	48.40

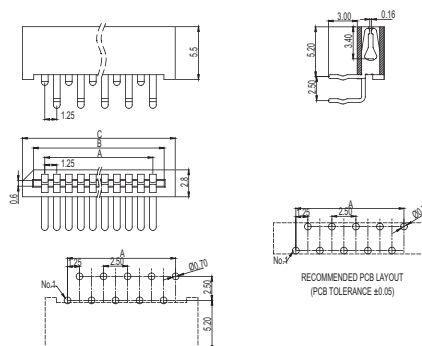
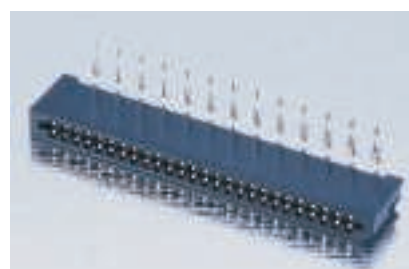


NON-ZIF Dip Type Side Entry

P7054T

Contact	A	B	B
03	2.50	5.05	7.15
04	3.75	6.30	8.40
05	5.00	7.55	9.65
06	6.25	8.80	10.90
07	7.50	10.05	12.15
08	8.75	11.30	13.40
09	10.00	12.55	14.65
10	11.25	13.80	15.90
11	12.50	15.05	17.15
12	13.75	16.30	18.40
13	15.00	17.55	19.65
14	16.25	18.80	20.90
15	17.50	20.05	22.15
16	18.75	21.30	23.40
17	20.00	22.55	24.65
18	21.25	23.80	25.90
19	22.50	25.05	27.15

Contact	A	B	B
20	23.75	26.30	28.40
21	25.00	27.55	29.65
22	26.25	28.80	30.90
23	27.50	30.05	32.15
24	28.75	31.30	33.40
25	30.00	32.55	34.65
26	31.25	33.80	35.90
27	32.50	35.05	37.15
28	33.75	36.30	38.40
29	35.00	37.55	39.65
30	36.25	38.80	40.90
31	37.50	40.05	42.15
32	38.75	41.30	43.40
33	40.00	42.55	44.65
34	41.25	43.80	45.90
35	42.50	45.05	47.15
36	43.75	46.30	48.40



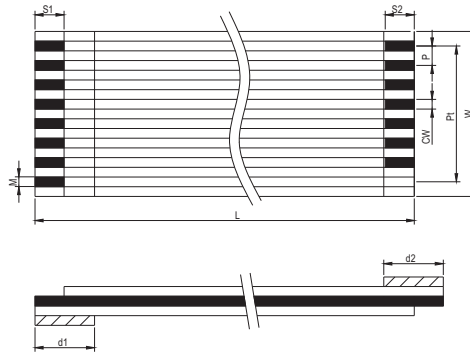
ORDERING INFORMATION

P705X-XX-24			
X	XX	XXX	
Series	Mounting Type	No. of Contacts	Plating
P705	3=Dip Top Entry 4=Dip Side Entry	03 to 36	24= Tin Plated

Flat Cable for 1.25mm Pitch FPC Connectors

Description	Abbr.	Formulation
Pitch	P	1.25
Total Pitch	PT	PX(N-1)
Width	W	PX(N+1)
Margin	M	P(CWX1/2)
Conduct Width	CW	0.8
Conduct Thickness	CT	Typical
Total (cable) Length	L	X
Strip Length	S2/S1	4/4
Support Tape Length	S3/S4	8/8
Terminal Thickness	T	0.3

N = No. Of Conducts



P705C-XX-1-X-X

No. of Pins
03 to 36

- Type of conduct position
1. Contacts on same sides
 2. Contacts on alternate sides
 3. One end Mating & Other End Solder Type
 4. Both sides solder type

Cable length



2.54MM PITCH FPC CONNECTORS NON ZIF DIP TYPE

P705 Series

Specifications

Current Rating	: 1A
Contact Resistance	: 10mΩ max.
Insulation Resistance	: 500MΩ min.
Dielectric Withstanding	: 2500VAC for 1 min.
Temperature Range	: -40°C to +85°C

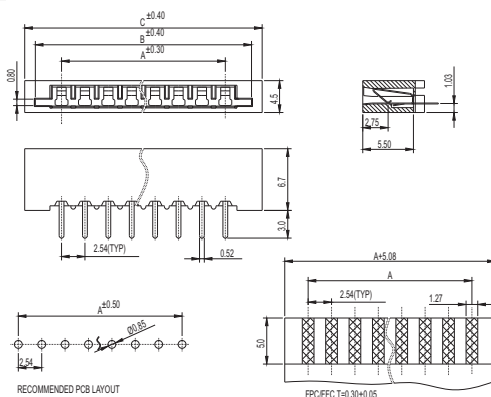
Material & Finish

Contact	: Copper Alloy, Tin Plated
Insulator	: Polyester, UL94V-0/ PBT

NON-ZIF Dip Type Top Entry, Single Row

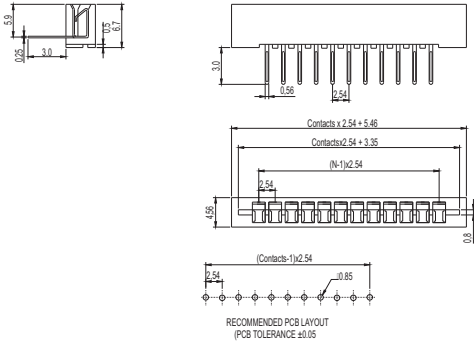
P7051A

No. Of Ways	Dimension			No. Of Ways	Dimension		
	A	B	C		A	B	C
2	2.54	8.43	10.54	15	35.56	41.45	43.56
3	5.08	10.97	13.08	16	38.10	43.99	46.10
4	7.62	13.51	15.62	17	40.64	46.53	48.64
5	10.16	16.05	18.16	18	43.18	49.07	51.18
6	12.70	18.59	20.70	19	45.72	51.60	53.72
7	15.24	21.13	23.24	20	48.26	54.15	56.26
8	17.78	23.67	25.78	21	50.80	56.69	58.80
9	20.32	26.21	28.32	22	53.34	59.23	61.34
10	22.86	28.75	30.86	23	55.88	61.77	63.88
11	25.40	31.29	33.40	24	58.42	64.31	66.42
12	27.94	33.83	35.94	25	60.96	66.85	68.96
13	30.48	36.37	38.48	26	63.50	69.39	71.50
14	33.02	38.91	41.02	27	66.04	71.93	74.04



NON-ZIF Dip Type Side Entry, Single Row

P7052A

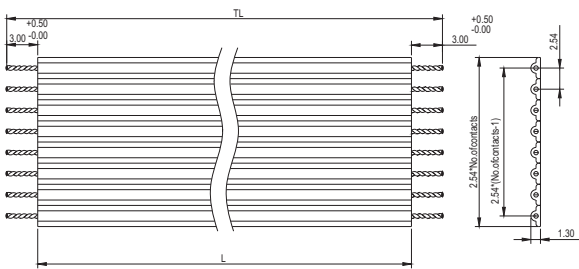


ORDERING INFORMATION

P705XAXX-24			
X	XX	XX	
Series	Mounting Type	No. of Contacts	Plating
P705	1 = Single Row Top Entry 2 = Single Row Side Entry	02 to 27	24 = Tin Plated

Flat Cable for 2.54mm Pitch FPC Connectors

P707C-XX-1-X-X



- No. of Pins 02 to 27
- Type of conduct position
 1. Contacts on same sides
 2. Contacts on alternate sides
 3. One end Mating & Other End Solder Type
 4. Both sides solder type
- Cable length



SIM CARD HOLDERS

Sim Card Holder with Pegs (Pitch:End-End=29.90mm)

PSIMC-XX-CP-X

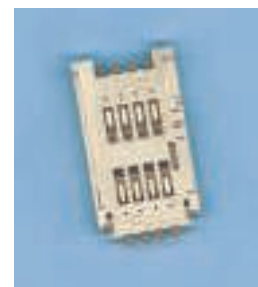
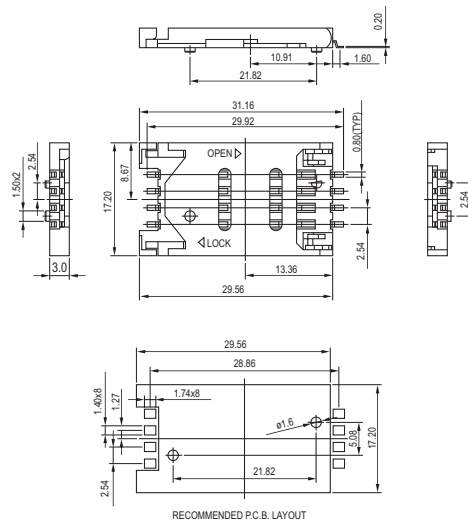
Specifications

- Current Rating : 0.5A
- Contact Resistance : 50mΩ typical, 100mΩ max.
- Insulation Resistance : 1000MΩ min.at 500V DC
- Temperature Range : -40°C to +85°C
- Durability : 10000 Cycles

Material & Finish

- Body : Thermoplastic, UL94V-0, beige colour
- Cover : Thermoplastic, UL 94V-0, beige colour
- Contact : Phosphor bronze, Gold plated/Selective

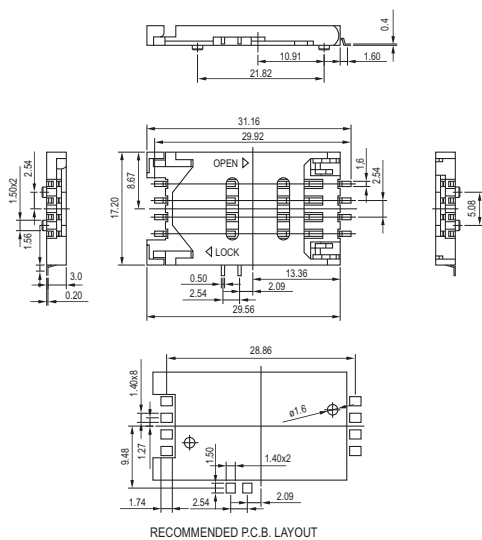
- No. of Contacts: 06, 08
- Plating: 1=Gold Flash
6=Gold flash on contact area & tin on tail



Sim Card Holder With Pegs With Switch (Pitch:End End=29.90mm)

PSIMC1-XX-CPS-X

- No. of Contacts: 06, 08
- Plating: 1=Gold Flash
6=Gold flash on contact area & tin on tail



Sim Card Holder Low Profile (Pitch:End-End=27.20mm)

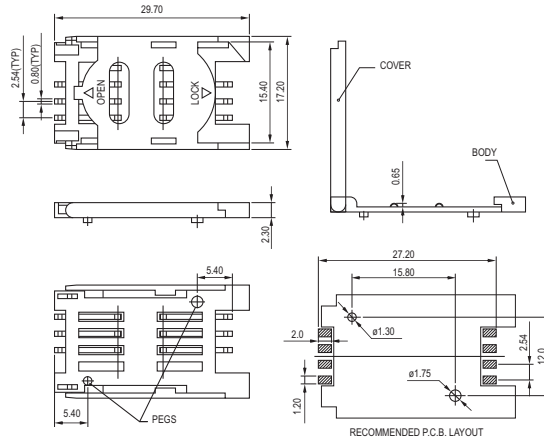
PSIMC2 Series

Specifications

- Current Rating : 0.5A max.
- Contact Resistance : 30mΩ max.
- Insulation Resistance : 1000MΩ min. at 500V AC
- Temperature Range : -25°C to +85°C
- Dielectric Withstanding : 500V AC rms for 1min.
- Durability : 5000 Cycles

Material & Finish

- Body : PPS, UL94V-0, black colour
- Cover : Thermoplastic, UL 94V-0, black colour
- Contact : Phosphor bronze, Gold plated/Selective



ORDERING INFORMATION

PSIMC2-XX-CX-X			
	X	XX	X
Series	No. of contacts	Peg Option	Plating
PSIMC2	06, 08	P=With peg O=W/o Peg	1=Gold Flash 6=Gold flash on contact area tin on tail

Sim Card Holder W/o Pegs with Metal Clip Low Profile (pitch:end-end=27.20mm)

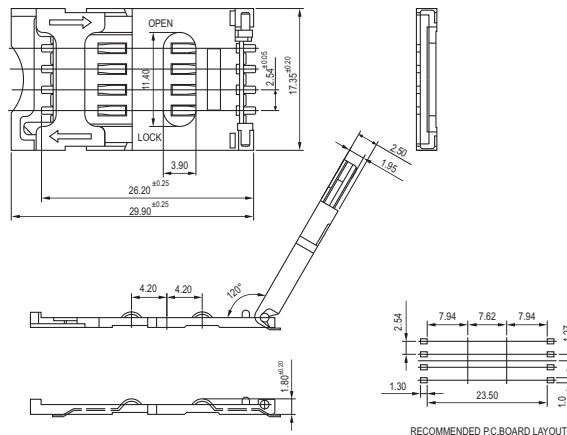
PSIMC3-XX-CO-X

Specifications

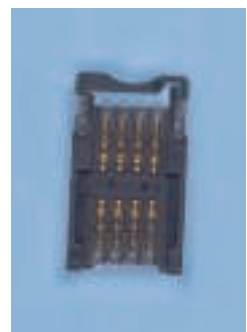
- Current Rating : 1A
- Contact Resistance : 100mΩ max.
- Insulation Resistance : 1000MΩ min.
- Dielectric Withstanding : 250V AC
- Temperature Range : -40°C to +85°C
- Durability : 5000 Cycles

Material & Finish

- Body : Polyester, UL94V-0, black colour
- Cover : Polyester, UL 94V-0, black colour
- Contact : Phosphor bronze, Gold plated/Selective



- No. of Contacts: ←
- 06, 08
- Plating: ←
- 1=Gold Flash
- 6=Gold flash on contact area & tin on tail



Sim Card Holder Push Button Type W/o Pegs With Switch (Pitch:End-End=24.60mm)

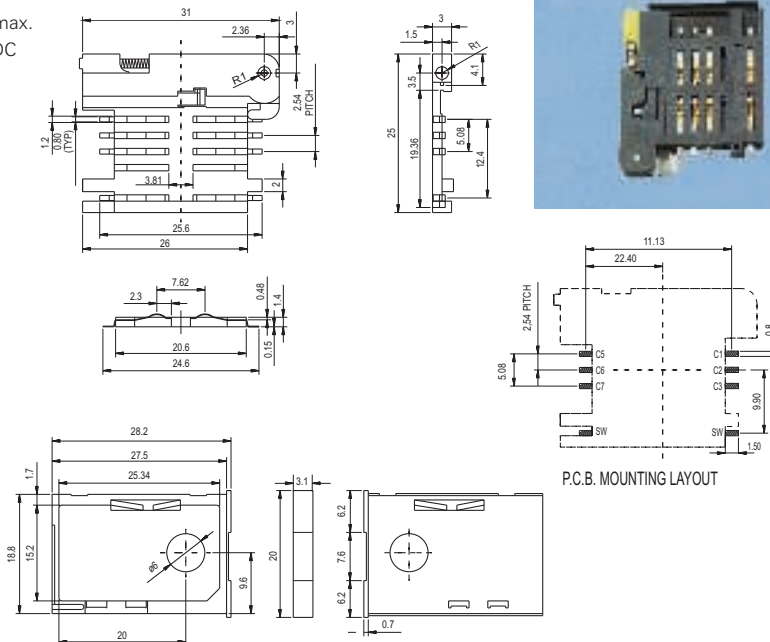
PSIMC9-06-COS-6

Specifications

Contact Resistance	: 60mΩ Typical, 100mΩ max.
Insulation Resistance	: 1000MΩ min. at 500V DC
Temperature Range	: -25°C to +85°C
Durability	: 10000 Cycles

Material & Finish

Body	: Thermoplastic Polyester, UL94V-0, Black Colour
Cover	: Thermoplastic Polyester UL94V-0, Black Colour
Contact	: Phosphor Bronze, Selective Gold Plated



Sim Card Holder Low Profile With Pegs (Pitch:End-End=25.10mm)

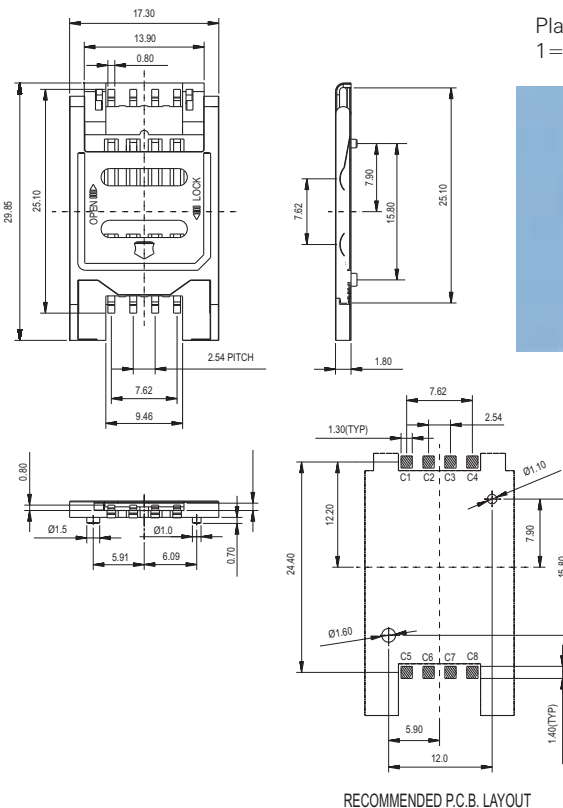
PSIMC11-XX-CP-1

Specifications

Contact Resistance	: 50mΩ Typical, 100mΩ max.
Insulation Resistance	: 1000MΩ min. at 500V DC
Temperature Range	: -40°C to +85°C
Durability	: 5000 Cycles

Material & Finish

Body	: Thermoplastic Polyester, UL94V-0, Black Colour
Cover	: Thermoplastic Polyester UL94V-0, Black Colour
Contact	: Phosphor Bronze, Gold Plated



No. of Contacts: 06, 08

Plating: 1=Gold Flash



MEMORY / SD CARD HOLDERS

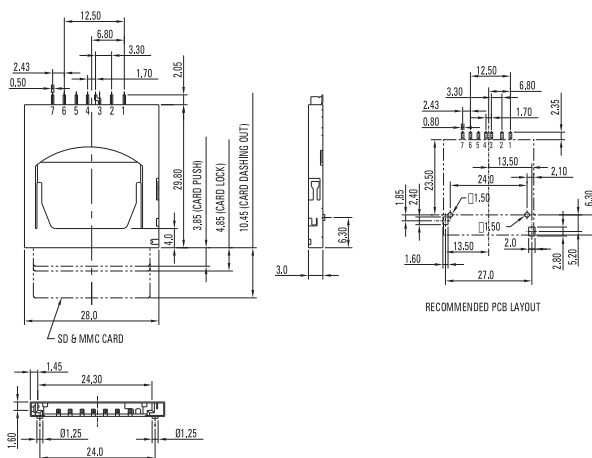
Specifications :

Voltage Rating : 100V AC / DC
 Current Rating : 0.5A
 Contact Resistance : <20mΩ
 Insulation Resistance : 100MΩ min. At 500 V DC
 Temperature Range : -25°C to +90°C
 Durability (life Test) : 10,000 Cycles

Material & Finish :
 Contact : Phosphor Bronze, Selective Gold Plated
 Insulator : LCP + 30% GF, UL94V-0

Digital Memory Card Holder SMT With Peg Without Switch 7 Pin

PMMC-07-0P-9



Micro SD Card Connector SMT Without Pegs Friction Technology

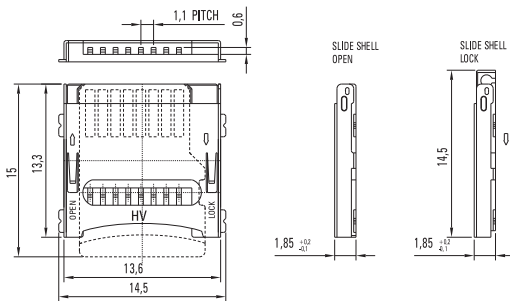
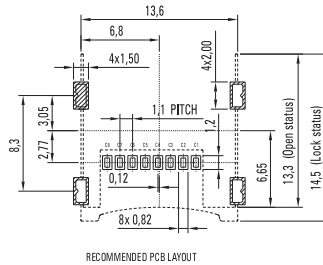
PMSDC-08-00-1

Specifications :

Contact Resistance	: 100mΩ / 20 mA
Insulation Resistance	: > 1000MΩ Min. At 500 V Dc
Temperature Range	: -40°C To +85°C
Dielectric Withstanding	: 500 V Ac
Durability (life Test)	: 5000 Cycles Min.

Material & Finish :

Contact	: Copper Alloy
Insulator	: Thermo Plastic, UL94v-0



PIN	Micro SD Mode	
	Name	Description
1	DAT2	Data Line (Bit 2)
2	CD/DAT3	Card Detect / Data Line (Bit3)
3	CMD	Command Response
4	VDD	Supply Voltage
5	CLK	Clock
6	VSS	Supply Voltage Ground
7	DAT0	Data Line (Bit 0)
8	DAT1	Data Line (Bit 1)

MODULAR JACKS & PLUGS

PSY Series

Specifications

Voltage Rating	: 150V AC max.
Current Rating	: 1A max.
Contact Resistance	: 30mΩ max.
Insulation Resistance	: 500MΩ at 1000V DC
Temperature Range	: -40°C to +70°C
Dielectric Withstanding	: 1000Vrms for 1minute
Durability	: 500 Cycles

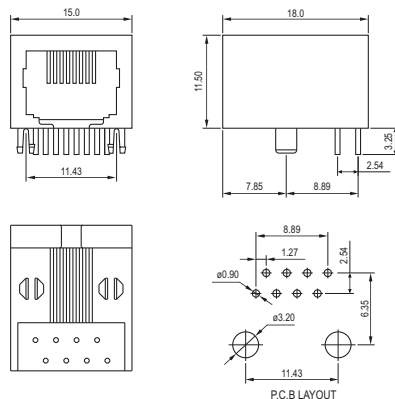
Material & Finish

Contact	: Phosphor Bronze, gold plated/Gold on contact area & Tin on tail/ Tin plated
Round Pin	: Dia 0.45 mm
Flat Pin	: 0.35 mm thick
Insulator	: PBT, UL94V-0, Black or Grey

Note : Modular Jack with Magnetics available on request

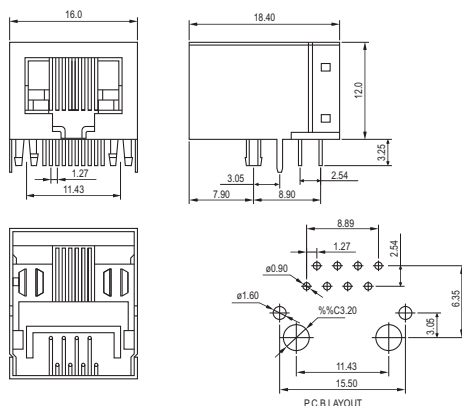
MODULAR JACK, Side Entry Very Low Profile, Unshielded

PSY001



MODULAR JACK, Side Entry Very Low Profile, Shielded

PSY001S

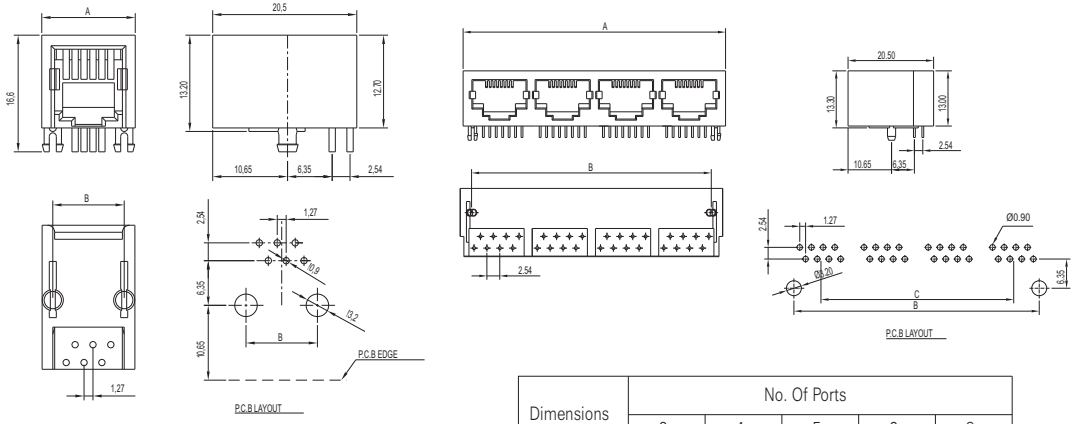


ORDERING INFORMATION

PSY001X-XPXC-X				
	X	X	X	X
Series	Shielding Option	No. Of Positions	No. Of Contacts	Plating
PSY001	□ = Std W/o Shielding S=With Shielding	10	10, 8, 6	1= Gold Flash 2=0.75μ Gold 3=0.075μ Gold Flash 6=Gold On Contact Area & Tin On Tail

MODULAR JACK, Side Entry Un shielded Long body

PSY001L

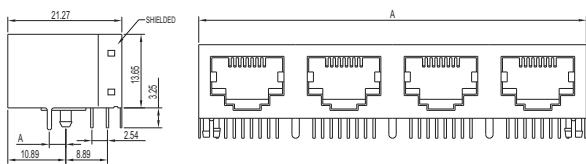
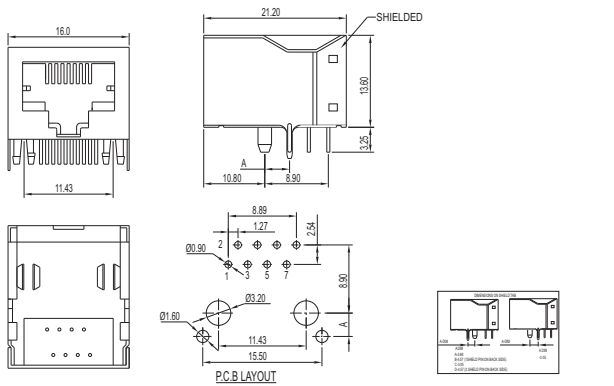


No.Of. Positions	Dimensions	
	A	B
4	11.2	7.62
6	13.2	10.16
10	15.2	11.43

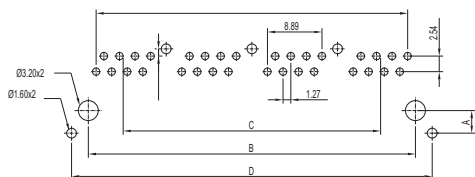
Dimensions	No. Of Ports				
	2	4	5	6	8
A	30.5	58.4	72.4	86.3	114.1
B	25.40	53.34	67.30	81.30	109.20
C	13.98	41.94	55.92	69.90	97.86

MODULAR JACK, Side Entry Long body, Shielded

PSY001SL



DIMENSIONS	NO. OF PORTS				
	2	4	5	6	8
A	31.20	59.10	73.0	87.30	114.80
B	25.40	53.34	67.30	81.30	109.20
C	13.98	41.94	55.92	69.90	97.86
D	30.80	58.90	72.80	86.80	114.60



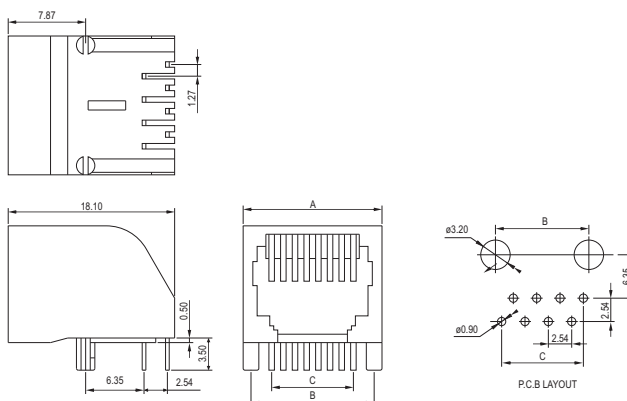
ORDERING INFORMATION

<div style="text-align: center; margin-bottom: 5px;"> </div>						
Series	Shielding Option	No. Of Ports	Dimension On Tabs	No. Of Positions	No. Of Contacts	Plating
PSY001	Blank = W/o Shielding	'_' = Single Ports	'_' = Std 3.05mm	A	8	1 = Gold Flash
	's' = With Shielding	2 = 2ports	A = 3.68mm	8	6	2 = 0.75 μ Gold
		4 = 4ports	B = 4.57mm	6	4	3 = 0.075 μ Gold Flash
		5 = 5ports	(1shielded Pin @ Backside)	4	2	6 = Gold On Contact Area
		6 = 6ports	C = 3.05mm			Tin On Solder Area
		8 = 8ports	D = 4.57mm			
			(3shielded Pin @ Backside)			

MODULAR JACK, Side Entry Low Profile With Out Flange

PSY002A

Positions	Dim. A	Dim. B	Dim. C
6	13.30	10.16	6.35
8	15.10	11.43	8.89

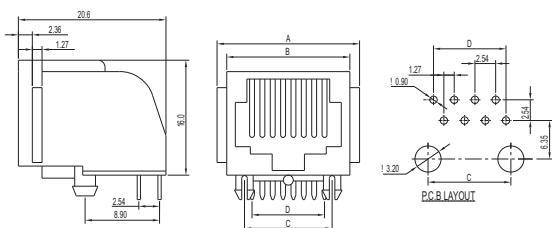


ORDERING INFORMATION

PSY002X-XPXC-X				
Series	Flange Option	No. Of Positions	No. Of Contacts	Plating
PSY002	A = w/o Flange A' = with Flange	8, 6	8,6,4,2	1 = Gold Flash 2 = 0.75μ Gold 3 = 0.75μ Gold Flash 6 = gold On Contact Area & Tin On Tail

MODULAR JACK with flange, side entry, low profile

PSY002L



POSITIONS	DIM. A	DIM. B	DIM. C	DIM. D
4	13.7	11.1	7.62	3.81
6	15.7	13.2	10.16	6.35
8	17.7	15.2	11.43	8.89

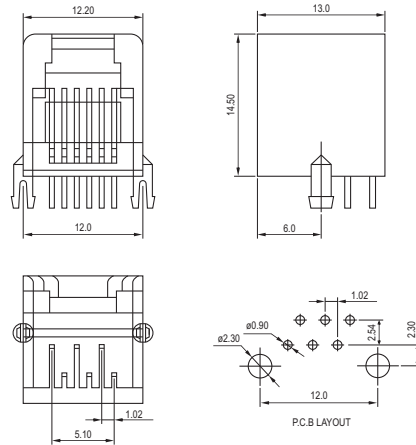


ORDERING INFORMATION

PSY002L-XPXC-X			
Series	No. Of Positions	No. Of Contacts	Plating
PSY002L	8	8	1 = Gold Flash (0.026μ)
	6	6	2 = 0.75μ Gold
	4	4	3 = 0.075μ Gold Flash
		2	6 = Gold On Contact Area

RJ 45 MODULAR JACK, Side Entry Mini Low Profile

PSY003

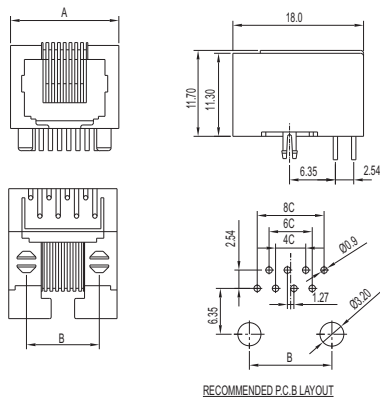


ORDERING INFORMATION

PSY003X-XPXC-X				
Series	Flange Option	No. Of Positions	No. Of Contacts	Plating
PSY003	'A'=W/O Flange 'B'=With Flange	8, 6, 4	8, 6, 4	1 = Gold Flash 2 = 0.75μ Gold 3 = Gold Flash (0.075) 6 = Gold On Contact Area & Tin On Tail

MODULAR JACK side entry (top open type), unshielded

PSY004A



No. Of Positions	A	B
4	11.20	7.62
6	13.20	10.16
8	15.20	11.43

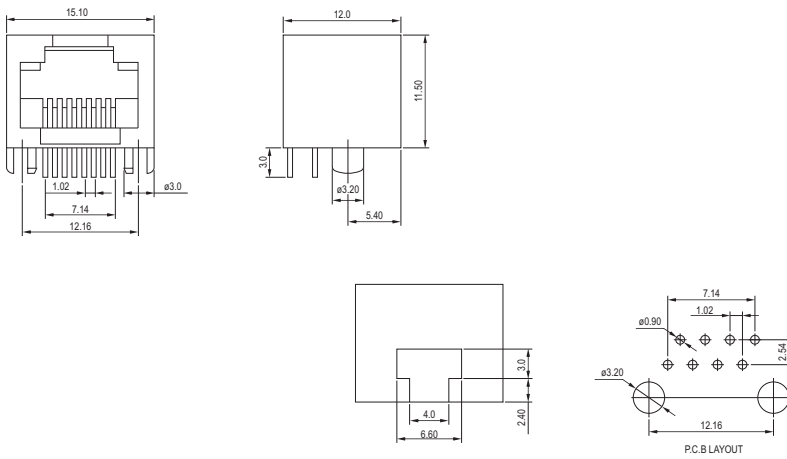


ORDERING INFORMATION

PSY004A-XPXC-X			
Series	No. Of Positions	No. Of Contacts	Plating
PSY004A	8,6,4	8,6,4,2	1 = Gold Flash 2 = 0.75μ Gold Plated 3 = Gold Flash (0.075μ) 6 = Gold On Contact Area & Tin On Tail

RJ 11 MODULAR JACK, Side Entry 12mm Mini Low Profile

PSY007



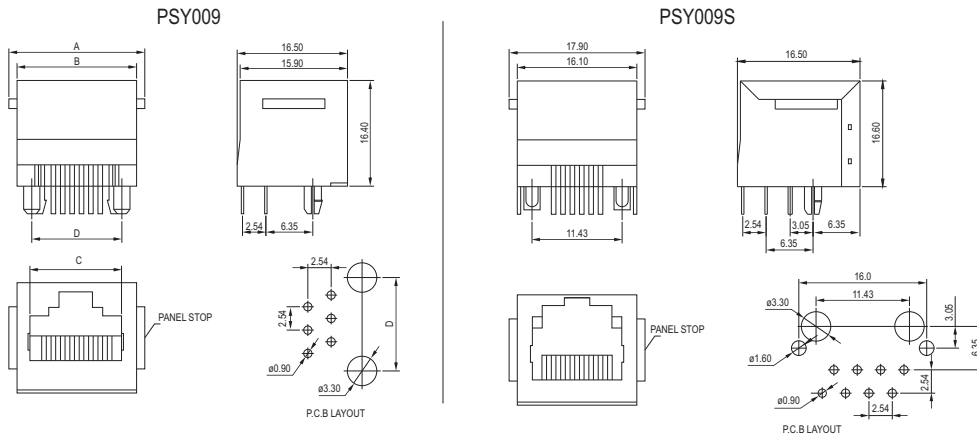
ORDERING INFORMATION

PSY00X-XPXC-X				
Series	Type Of Jack	No. Of Positions	No. Of Contacts	Plating
PSY00	6=RJ11 L/P 7=RJ11 12mm L/P	6, 4	6, 4, 2	1= Gold Flash 2= 0.75μ Gold 3= Gold Flash(0.075) 6= Gold On Contact Area & Tin On Tail

Note: L/P=low Profile

MODULAR JACK, Top Entry

PSY009

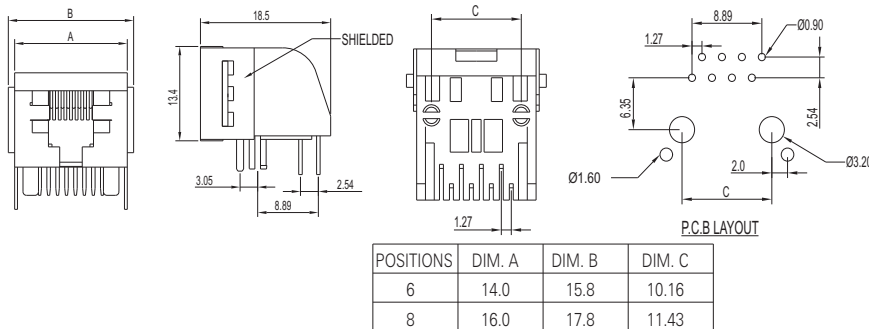


ORDERING INFORMATION

PSY009X-XPXCXX					
Series	Shielding Option	No. Of Positions	No. Of Contacts	Tail Option	Plating
PSY009	'-' = Unshielded With Flange S = Shielded	8, 6, 4	8, 6, 4	'-' = 3.80 Mm For Shielded '-' = Std 3.25 Mm For Unshielded 1 = 3.25mm For Shielded	1 = Gold Flash 2 = 0.75µ Gold 3 = Gold Flash(0.075) 6 = Gold On Contact Area & Tin On Tail

MODULAR JACK, side entry, low profile with flange, partial shielded

PSY0016S

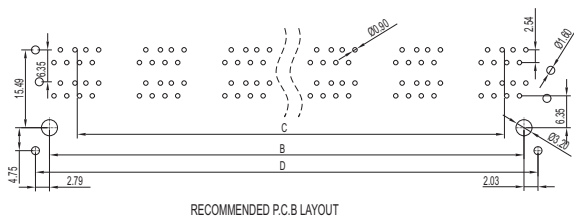
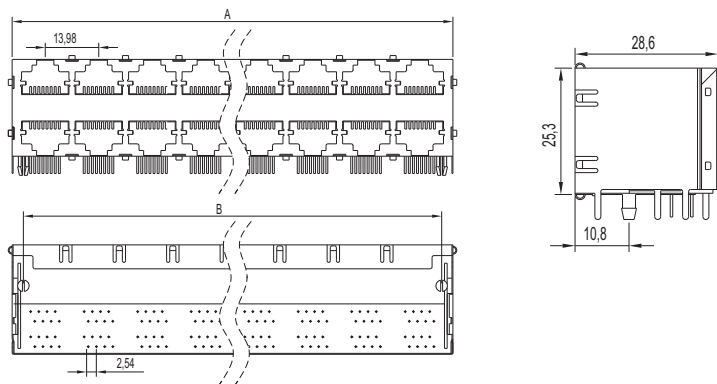


ORDERING INFORMATION

PSY016S-XPXC-X			
Series	No. Of Positions	No. Of Contacts	Plating
PSY016S	8 6	8 6	1 = Gold Flash 2 = 0.75µ Gold 3 = 0.075µ Gold Flash 6 = Gold On Contact Area Tin On Solder Area

MODULAR JACK, side entry, shielded, double decker

PSY017P



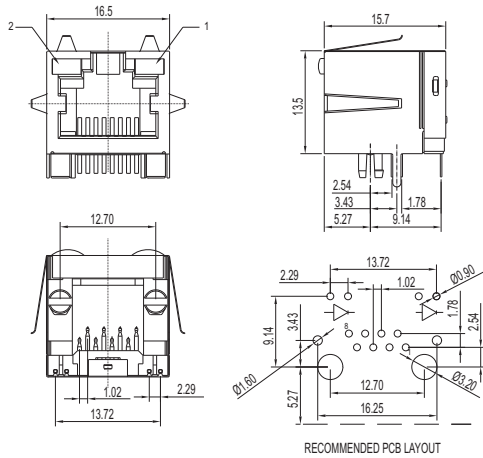
DIMENSIONS	NO. OF PORTS					
	2	4	6	8	12	16
A	17.2	31.2	45.2	59.2	87.2	115.2
B	11.43	25.40	39.37	53.34	81.28	109.22
C	-	13.98	27.96	41.94	69.90	97.86
D	17.00	30.98	44.95	58.92	86.86	114.80

ORDERING INFORMATION

PSY017PXXPXC-XD				
	X	X	X	X
Series	Single Ports	No. Of Positions	No. Of Contacts	Plating
PSY017P	2 = 2ports	8	8	1 = Gold Flash
	4 = 4ports	6	6	2 = 0.75µ Gold
	6 = 6ports		4	3 = 0.075µ Gold Flash
	8 = 8ports			6 = Gold On Contact Area
	12 = 12ports			Tin On Solder Area
	16 : 16ports			

MODULAR JACK, shielded, single port, side entry, with led, with panel ground tabs,

PSY018PL

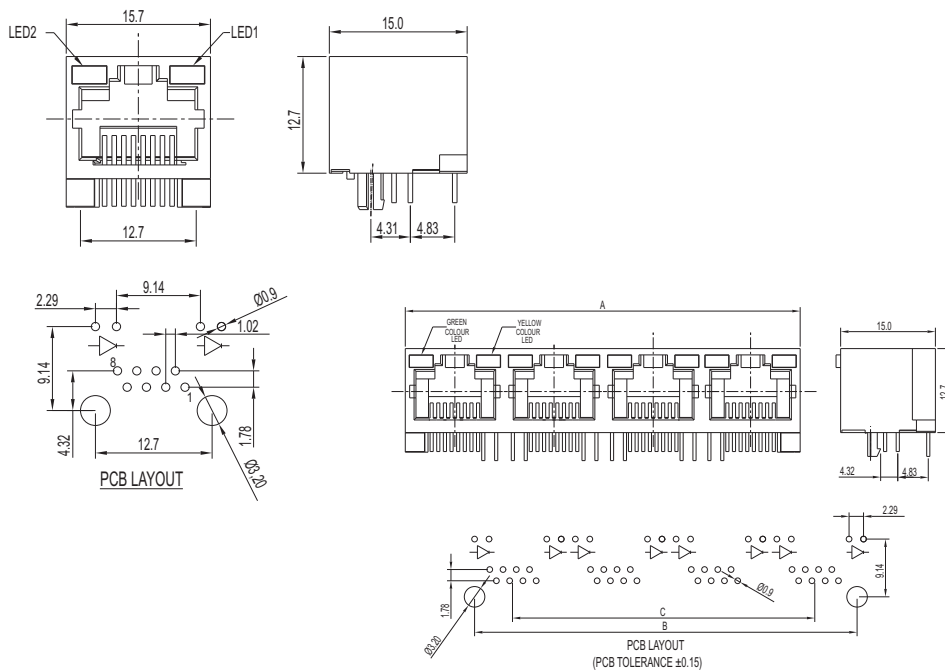


ORDERING INFORMATION

PSY018PLX8P8CXX			
Series	X	X	X
	Single Port	Plating	Led Options
PSY018P	"-" = Single Port	1 = Gold Flash (0.026 μ)	Code
	2: 2 Ports	2 = 0.75 μ Gold	Led 2[left]
	4 : 4ports	3 = Gold Flash 0.075 μ	Led 1[right]
	6 : 6ports	6 = Gold On Contact Area	0
	8 : 8ports	Tin On Solder Area	A
			B
			C
			D
			E
			F
			G
			H
			I

MODULAR JACK, Side Entry, Unshielded With Led Option, Multiport

PSY019T



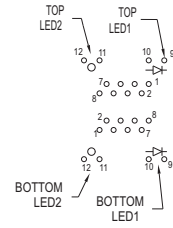
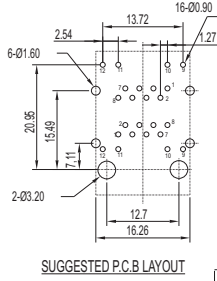
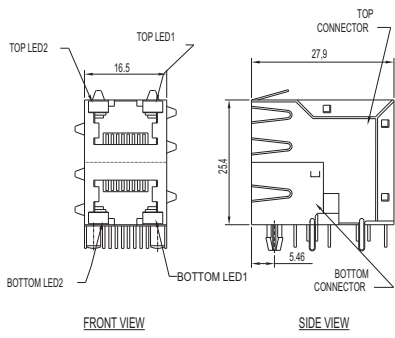
DIMENSIONS	NO. OF PORTS			
	2	4	6	8
A	31.5	63.0	94.5	126.0
B	28.45	59.95	91.45	122.95
C	15.75	47.25	78.75	110.25

ORDERING INFORMATION

PSY019TX8P8C-XX			
Series	X Single Port	X Plating	X Led Options
PSY018P	"-" = Single Port	1 = Gold Flash (0.026μ)	Code
	2 : 2 Ports	2 = 0.75μ Gold	0
	4 : 4ports	3 = Gold Flash0.075μ	A
	6 : 6ports	6 = Gold On Contact Area	B
	8 : 8ports	Tin On Solder Area	C
			D
			E
			F
			G
			H
			I
			Led 2[left]
			Led 1[right]
			Blocked
			Yellow
			Green
			Blocked
			Yellow
			Green
			Yellow
			OR/GR
			YE/GR
			OR/GR
			Yellow

MODULAR JACK, Side Entry, Shielded With Panel Ground Tabs Double Decker With Led Option

PSY020P



LED SCHEMATIC

DIMENSIONS	NO. OF PORTS					
	2	4	6	8	12	16
A	16.40	32.10	47.80	63.70	95.10	126.60
B	12.70	28.44	44.19	59.94	91.44	122.94
C	---	15.75	31.50	47.25	78.75	110.25
D	16.26	32.00	47.74	63.50	95.00	126.50

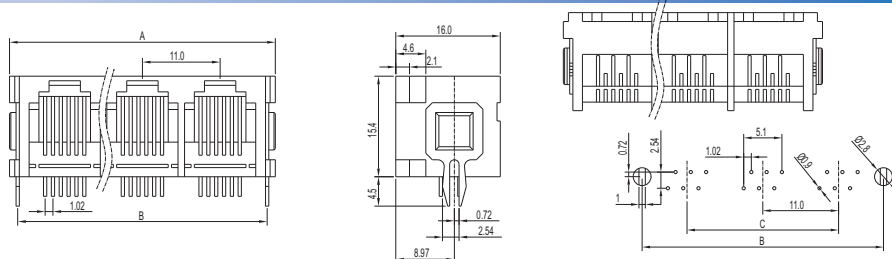
CODE	LED 2(LEFT)	LED 1(RIGHT)
0	BLOCKED	BLOCKED
A	YELLOW	GREEN
B	GREEN	GREEN
C	BLOCKED	GREEN
D	YELLOW	BLOCKED
E	GREEN	YELLOW
F	YELLOW	YELLOW
G	OR/GR	OR/GR
H	YE/GR	YE/GR
I	OR/GR	YELLOW

ORDERING INFORMATION

PSY020PX8P8CXXD																																				
Series	No. Of Positions	Plating	Led Options																																	
PSY020P	2 = 2ports 4 = 4ports 6 = 6ports 8 = 8ports 12 = 12ports 16 = 16ports	1 = Gold Flash 2 = 0.75µ Gold 3 = 0.075µ Gold Flash 6 = Gold On Contact Area Tin On Solder Area	<table border="1"> <thead> <tr> <th>CODE</th> <th>LED 2[LEFT]</th> <th>LED 1[RIGHT]</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>BLOCKED</td> <td>BLOCKED</td> </tr> <tr> <td>A</td> <td>YELLOW</td> <td>GREEN</td> </tr> <tr> <td>B</td> <td>GREEN</td> <td>GREEN</td> </tr> <tr> <td>C</td> <td>BLOCKED</td> <td>GREEN</td> </tr> <tr> <td>D</td> <td>YELLOW</td> <td>BLOCKED</td> </tr> <tr> <td>E</td> <td>GREEN</td> <td>YELLOW</td> </tr> <tr> <td>F</td> <td>YELLOW</td> <td>YELLOW</td> </tr> <tr> <td>G</td> <td>OR/GR</td> <td>OR/GR</td> </tr> <tr> <td>H</td> <td>YE/GR</td> <td>YE/GR</td> </tr> <tr> <td>I</td> <td>OR/GR</td> <td>YELLOW</td> </tr> </tbody> </table>	CODE	LED 2[LEFT]	LED 1[RIGHT]	0	BLOCKED	BLOCKED	A	YELLOW	GREEN	B	GREEN	GREEN	C	BLOCKED	GREEN	D	YELLOW	BLOCKED	E	GREEN	YELLOW	F	YELLOW	YELLOW	G	OR/GR	OR/GR	H	YE/GR	YE/GR	I	OR/GR	YELLOW
CODE	LED 2[LEFT]	LED 1[RIGHT]																																		
0	BLOCKED	BLOCKED																																		
A	YELLOW	GREEN																																		
B	GREEN	GREEN																																		
C	BLOCKED	GREEN																																		
D	YELLOW	BLOCKED																																		
E	GREEN	YELLOW																																		
F	YELLOW	YELLOW																																		
G	OR/GR	OR/GR																																		
H	YE/GR	YE/GR																																		
I	OR/GR	YELLOW																																		

MODULAR JACK, Side Entry, Unshielded With Metal Pegs

PSY021



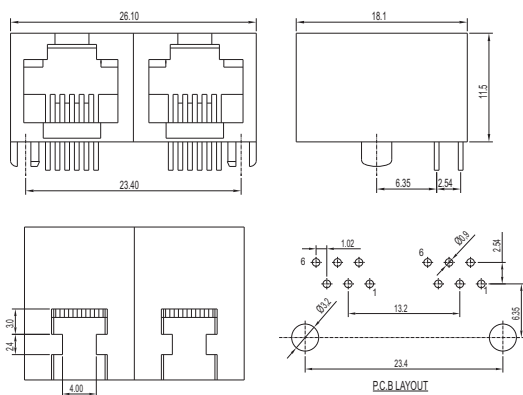
DIMENSIONS	NO. OF PORTS						
	2	3	4	5	6	7	8
A	28.0	39.0	50.0	61.0	72.0	83.0	94.0
B	24.5	35.5	46.5	57.5	68.5	79.5	90.5
C	11.0	22.0	33.0	44.0	55.0	66.0	77.0

ORDERING INFORMATION

PSY021-X6PXC-XX				
Series	X	X	X	X
	No. Of Ports	No. Of Contacts	Plating	Housing Colour
PSY021	2 = 2ports 3 = 3ports 4 = 4ports 5 = 5ports 6 = 6ports 7 = 7ports 8 = 8ports	6 4	1 = Gold Flash (0.026μ) 2 = 0.75μ Gold 3 = 0.075μ Gold Flash 6 = Gold On Contact Area	Blank = Grey Colour 'B' = Black Colour

MODULAR JACK, Side Entry, Unshielded, Dual Port

PSY022D

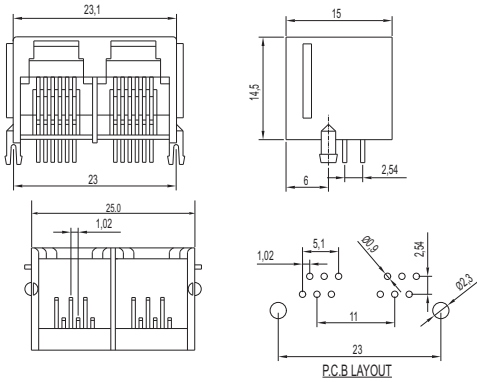


ORDERING INFORMATION

PSY022D-XPXC-X			
Series	X	X	X
	No. Of Positions	No. Of Contacts	Plating
PSY022D	6 4	6 4	1 = Gold Flash (0.026μ) 2 = 0.75μ Gold 3 = 0.075μ Gold Flash 6 = Gold On Contact Area Tin On Solder Area

MODULAR JACK, Side Entry, Very Low Profile, Unshielded, Dual Port

PSY003LD



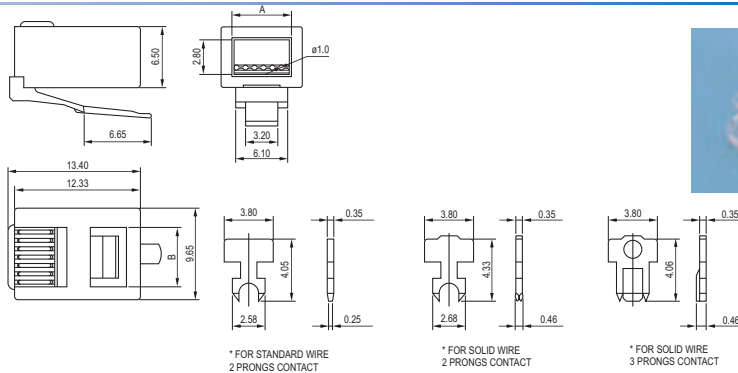
ORDERING INFORMATION

PSY003LD-XPXC-X			
Series	No. Of Positions	No. Of Contacts	Plating
PSY003LD	6	6	1 = Gold Flash (0.026 μ)
	4	4	2 = 0.75 μ Gold 3 = 0.075 μ Gold Flash 6 = Gold On Contact Area Tin On Solder Area

Modular plug

P7020X

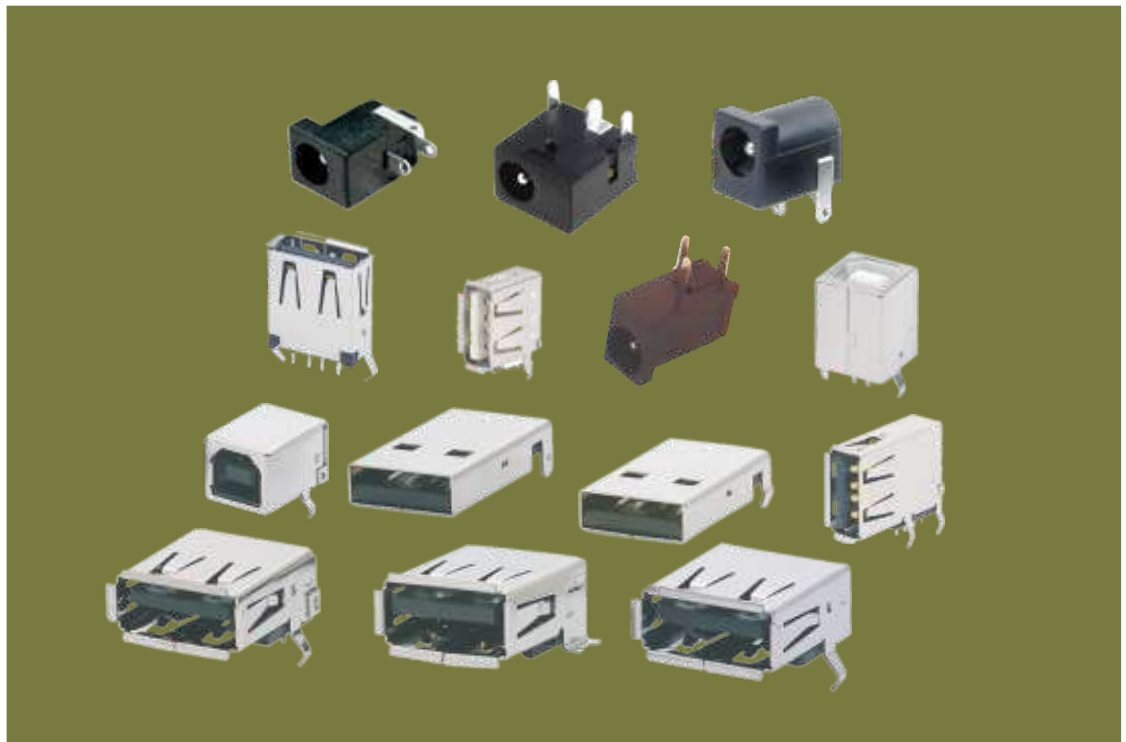
No. of contacts	A	B
6P2C	5.20	5.10
6P4C	5.20	5.10
6P6C	7.10	6.20



ORDERING INFORMATION

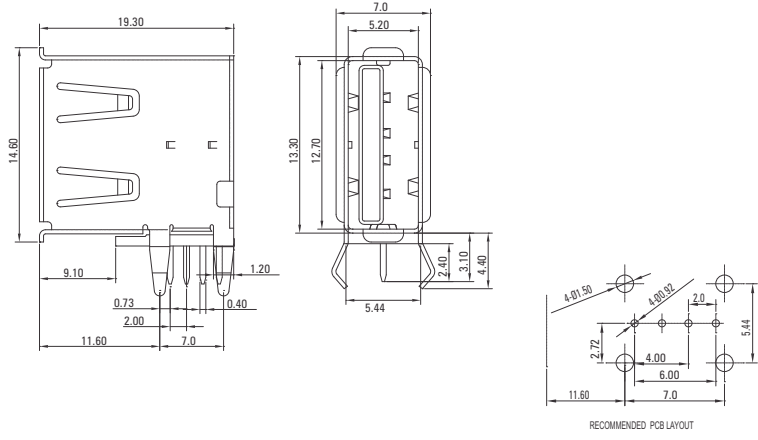
P7020X-XX-X X				
Series	No. Of Positions	No. Of Contacts	Housing & Contact Type	Plating
P7020	A=10, 8 For RJ45	10, 08, 06, 04, 02 For RJ 45	2= 2 Prongs For Stranded Wire For Round Cable	1=gold Flash 2=0.15 Microns Gold 3=0.38 Microns Gold 4=0.76 Microns Gold 5=1.27 Microns Gold
	6, 4 For RJ11	06, 04, 02 For RJ11	5= 2 Prongs For Solid Wire For Round Cable 6=3 Prongs For Solid Wire For Round Cable 7=3 Prongs For Solid Wire For Flat Cable 8=2 Prongs For Stranded Wire For Flat Cable	

USB CONNECTORS & DC POWER JACKS



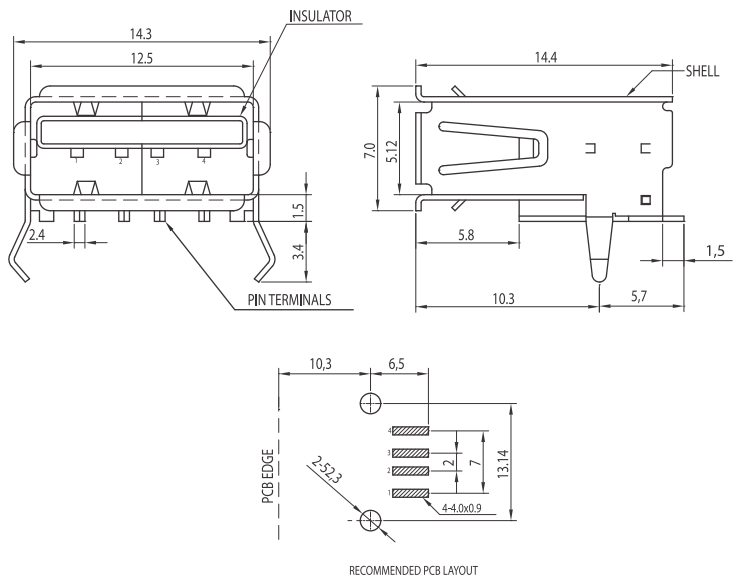
USB A-TYPE, Vertical Mount Right Angle (Upright) Long Body

P7070AV04L-5



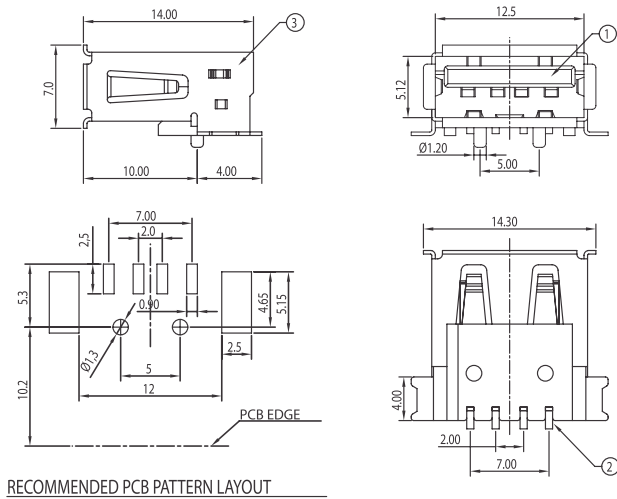
USB A-TYPE, Right Angle Surface Mount

P7070MA04-5



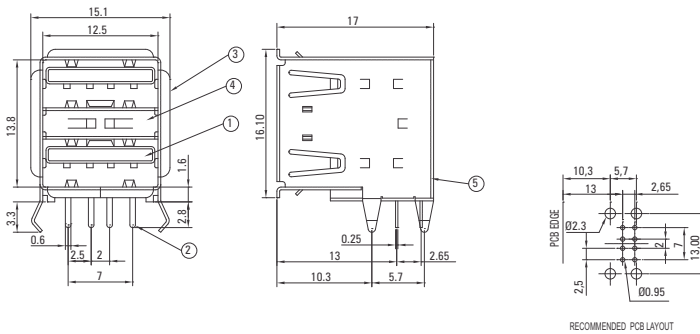
USB A-TYPE, Right Angle, Surface Mount With Alignment Pegs

P7070MA04-5-1



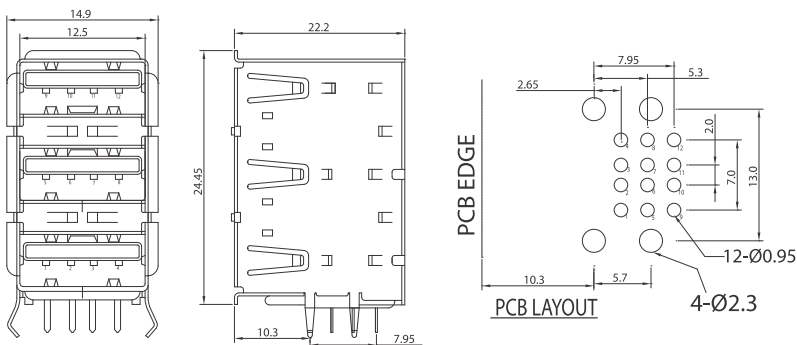
USB A-TYPE, Double Decker (2 Port)

P707DA-08-5



USB A-TYPE, Triple Decker (3 Port)

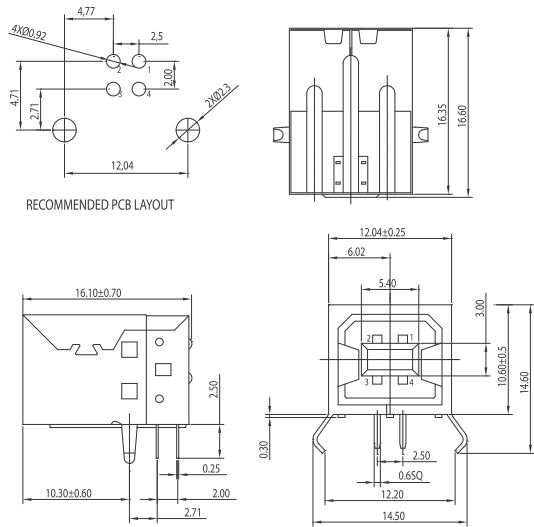
P707TA-12-5



USB CONNECTORS

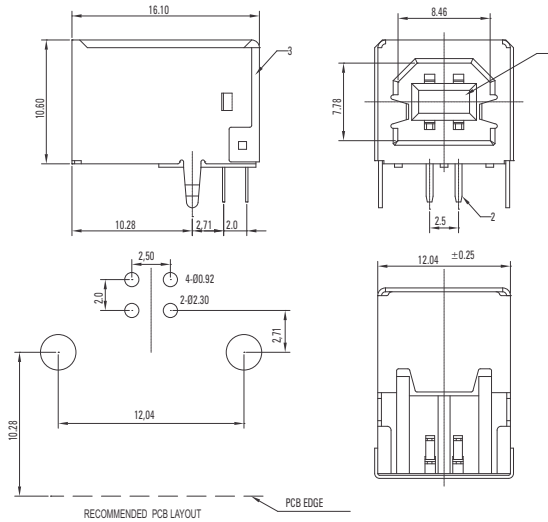
USB B-TYPE, Right Angle

P7070-4P4C



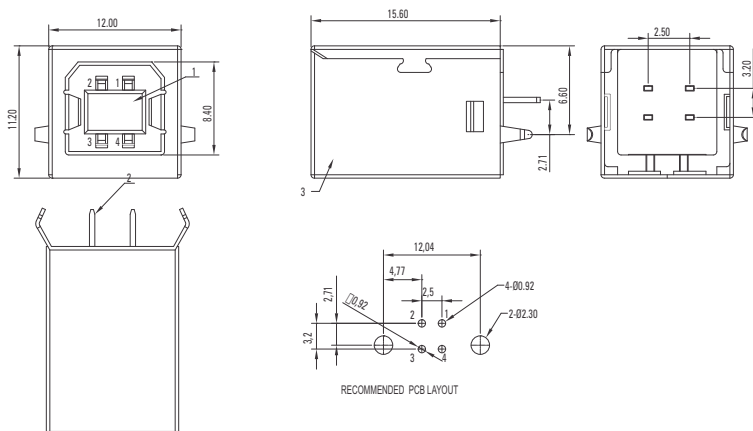
USB B-TYPE, Right Angle Without Kink

P7070B104-5



USB B-TYPE, Vertical Mount Top Entry

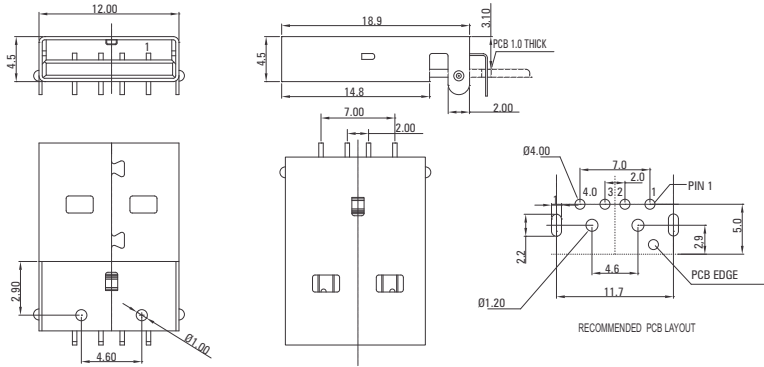
P7070BS04-5



USB A TYPE MALE PLUG CONNECTORS

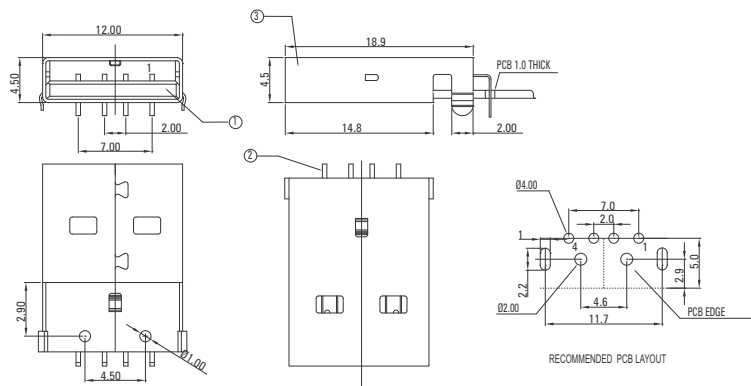
USB A TYPE, Right Angle

P707PA-04-5



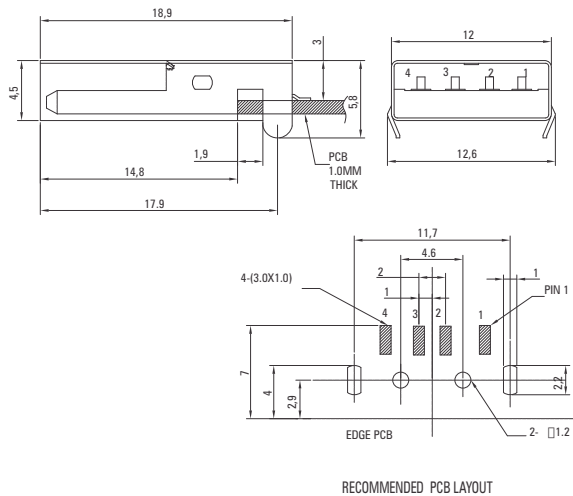
USB A TYPE, Right Angle With Kink

P707PA104-5



USB A TYPE, Right Angle Surface Mount

P707PMA04-5



MINI USB FEMALE CONNECTORS

Specifications

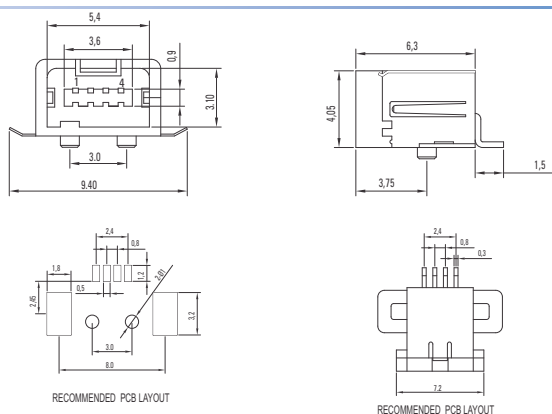
Current Rating	: 1.5 A max.
Contact Resistance	: 30mΩ max.
Insulation Resistance	: 1000MΩ min. At 500 V DC
Dielectric Withstanding	: 500 V AC \ for 1 min
Temperature Range	: -55°C to +105°C
Insertion Force	: 30 N max
Extraction Force	: 10 N min

Material & Finish :

Contact	: Copper Alloy, Selective Gold Plated
Insulator	: Nylon PA9TGF
Shell	: Brass, Nickel Plated

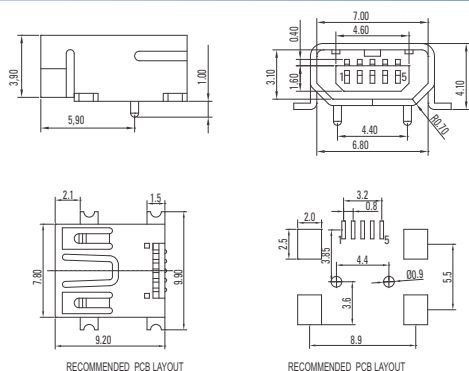
MINI USB A TYPE , Surface Mount

P707MA-04-5



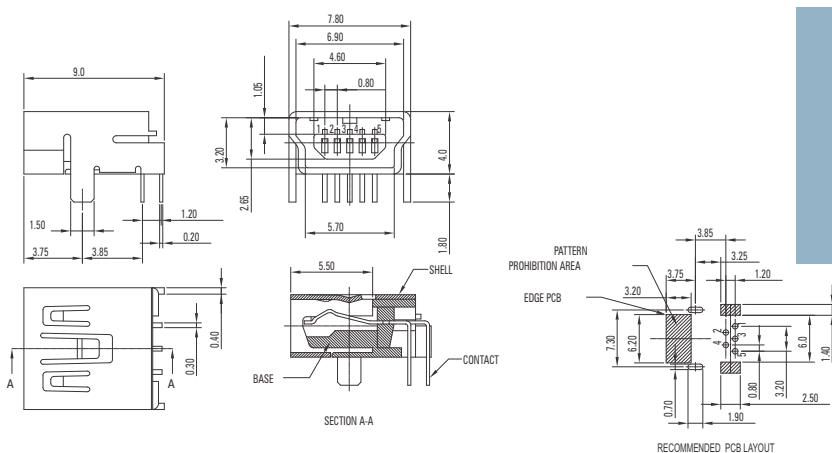
MINI USB AB TYPE, Surface Mount

P707MAB-05-1



MINI USB, B Type Right Angle

P707MB-05-4



MICRO USB B TYPE FEMALE CONNECTOR

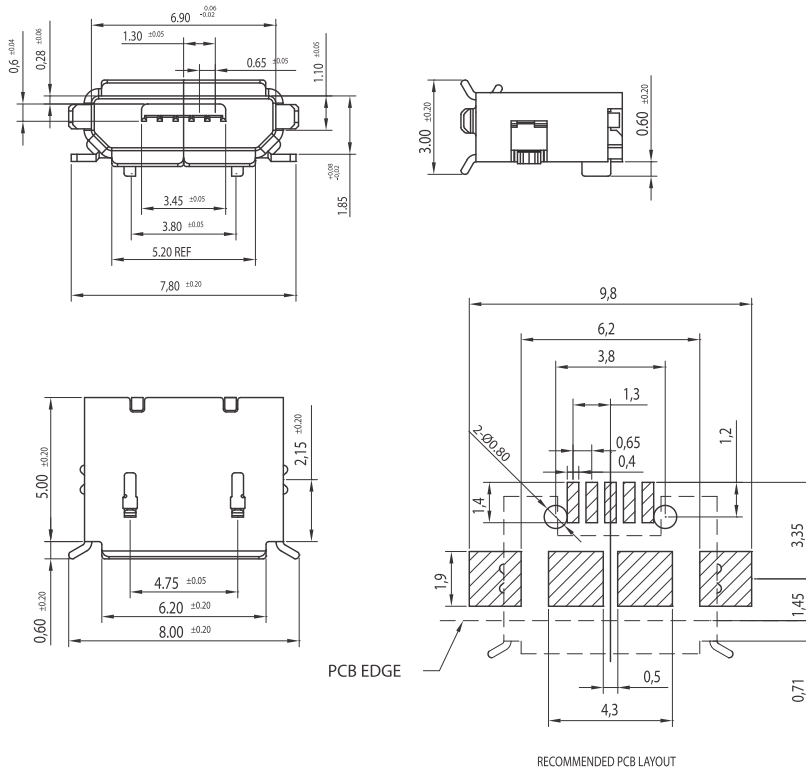
Specifications

Voltage Rating	: 5V AC RMS max
Current Rating	: 1.5 A max.
Contact Resistance	: 30mΩ max.
Insulation Resistance	: 100MΩ min. At 100 V DC
Dielectric Withstanding	: 100 V AC for 1 min
Temperature Range	: -30°C To +85°C
Insertion Force	: 30 N max
Extraction Force	: 10 N min

Material & Finish :	
Contact	: Copper Alloy, Selective Gold Plated Gold on contact Area & Gold Flash on Solder Area
Insulator	: High Temperature Thermal Plastic
Shell	: Stainless Steel, Nickel Plated

MICRO USB B TYPE, Surface Mount

P707MIB-05-9



DC POWER JACKS

PDCJ-SERIES

Specifications

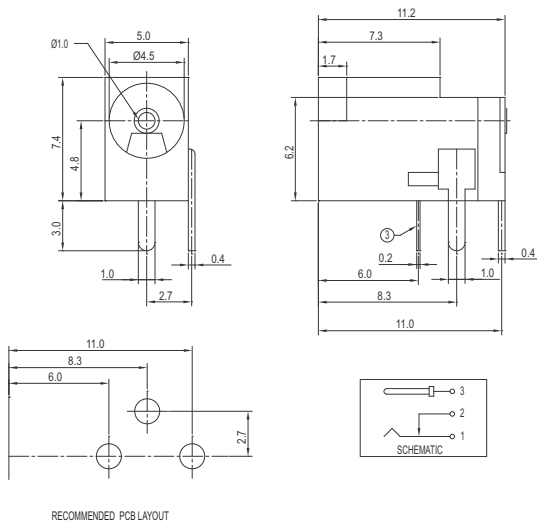
Contact Resistance	: 100mΩmax.
Insulation Resistance	: 100mΩ min.
Temperature Range	: -16°C To +60°C
Dielectric Withstanding	: 5000 V AC for 1minute

Material & Finish

Crimp Contact	: Copper Alloy, Nickel Plated
Insulator	: PBT, GF OL94V-0/PC
Terminals	: Copper Alloy, Silver Plated

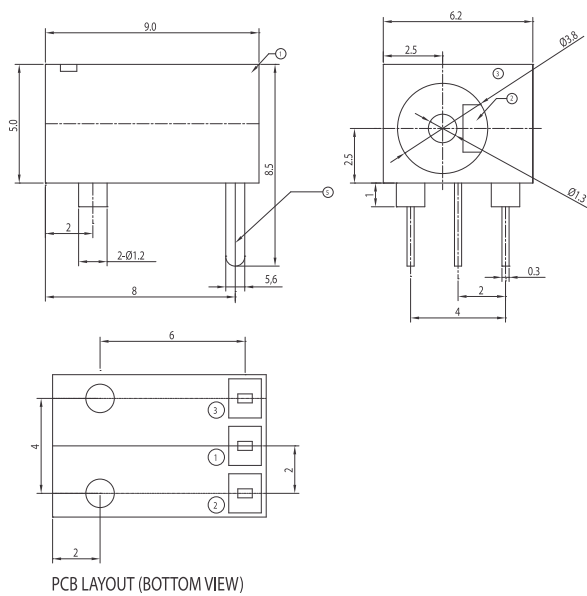
Ø1.0mm DC Power Jack, Right Angle

PDCJ06-01



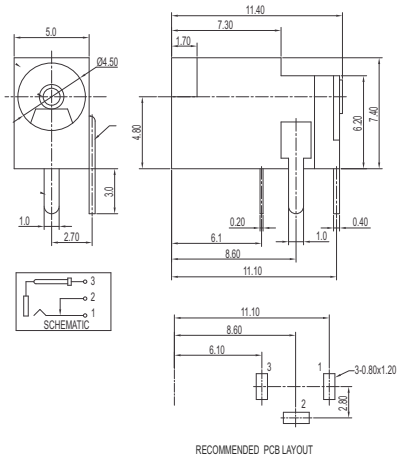
Ø1.30mm DC Power Jacks W/O Collar, Rectangular Type With Pegs

PDCJ01-03



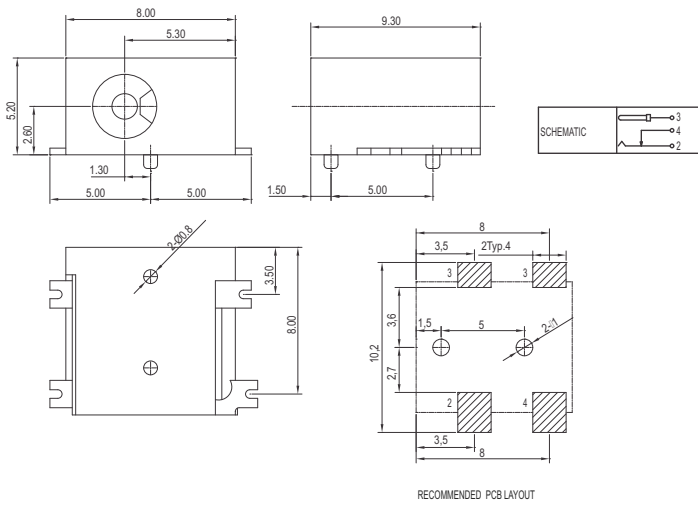
Ø1.30mm Mini DC Power Jack With 3 Terminals Right Angle

PDCJ01-04



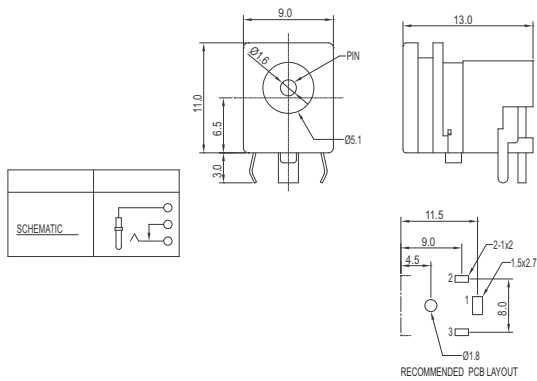
Ø1.30mm DC Power Jack, Surface Mount, Right Angle

PDCJ09-01



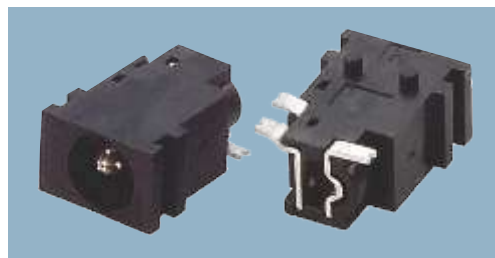
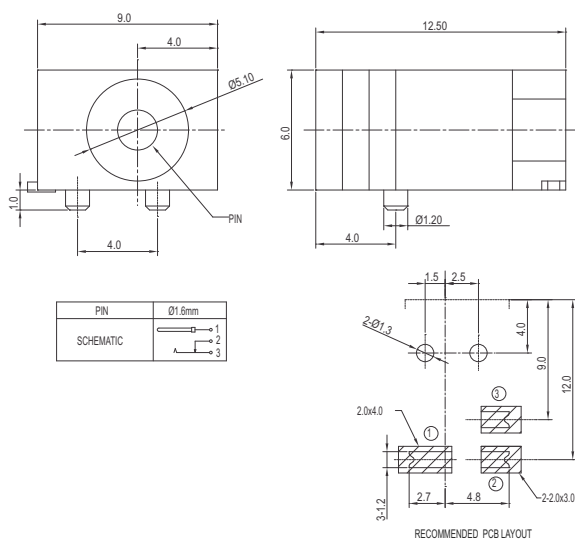
Ø1.65mm DC Power Jack With 3 Terminals Right Angle

PDCJ04-01



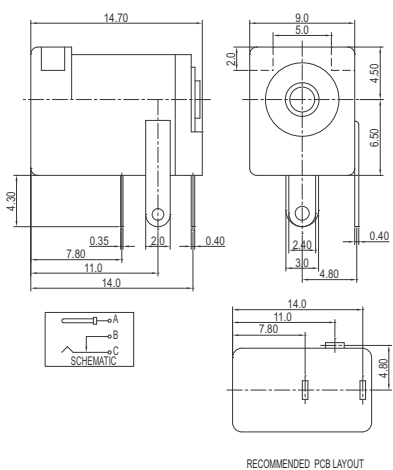
Ø1.65mm DC Power Jack, Rectangular Type With 3 Terminals Right Angle

PDCJ07-01



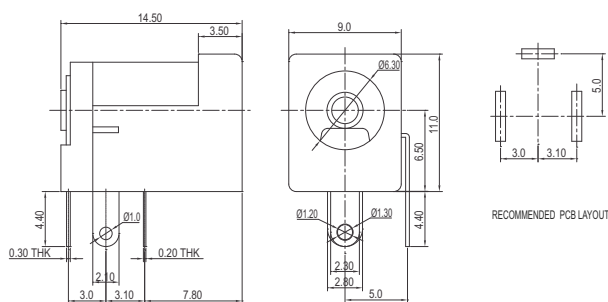
Ø2.0mm DC Power Jack (Locking Option), Right Angle

PDCJ01-01



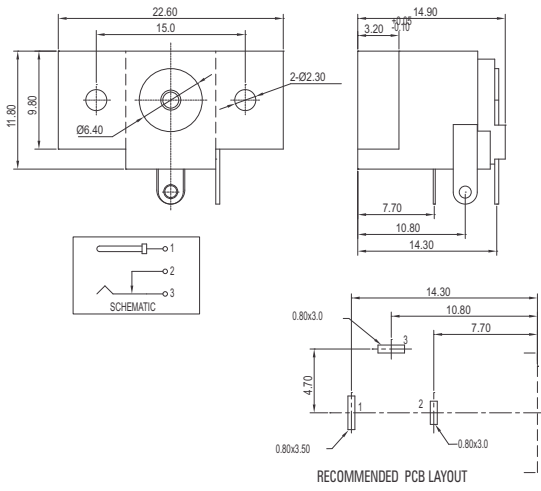
Ø2.0mm DC Power Jack (Without Locking Option), Right Angle

PDCJ01-02



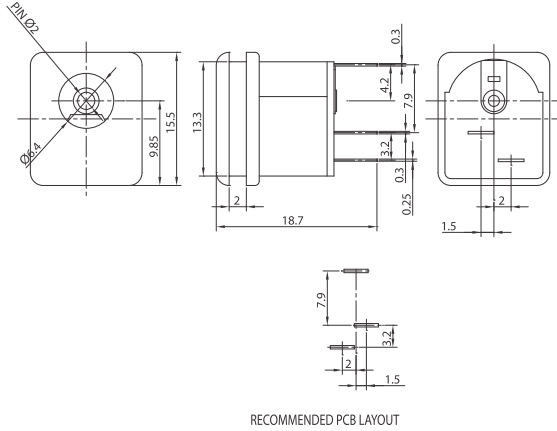
Ø2.0mm DC Power Jack With Flange, Right Angle

PDCJ02-01



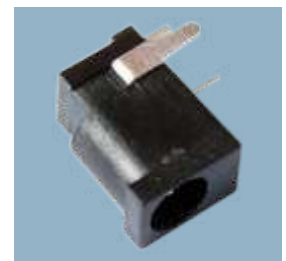
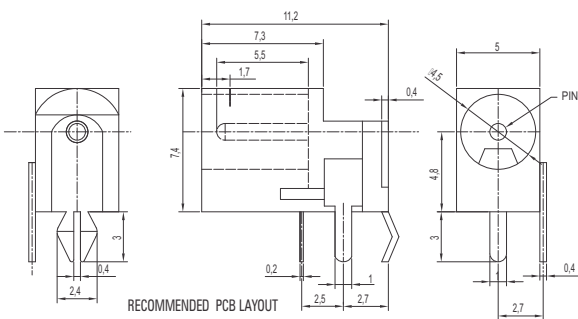
Ø2.0mm DC Power Jack Square Body Straight

PDCJ08-01



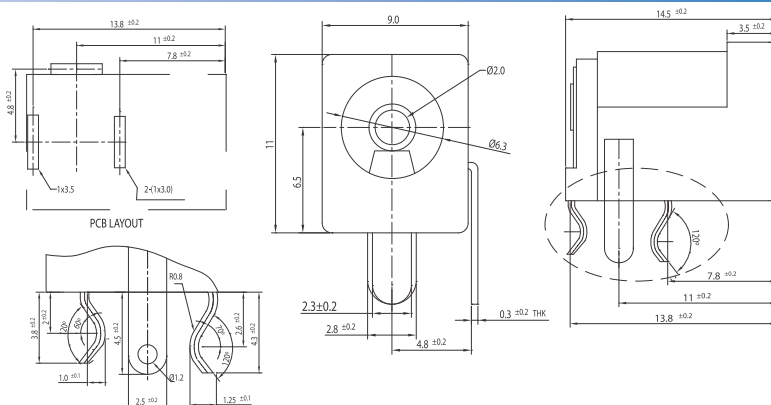
Ø1.3mm DC Power Jack With 1PIN Kink, Right Angle

PDCJ05-01



Ø2.0mm DC Power Jack With 2 PINs Kink, Right Angle

PDCJ01-02K



INTRODUCTION

INNER CLIP

The inner clip consists of 4 Leaf Springs, stamped and rounded to take strip/round male contacts at the bottom edge, facilitating lower insertion force, but high withdrawal force. This is an essential requirement for high density contact connectors. The contact engagement in this design is a sliding contact action, while disengagement is a recoiling action on male contacts. Contacts with lower insertion force can be made by using 6 leaf springs mostly for PGA Type Sockets.

OUTER SLEEVE

The outer sleeve is a machined enclosure, open at one end for insertion of Leaf Spring & the other end closed. The sleeve can be produced with different types of terminations. The closed end on termination side helps in elimination of solder flux wicking action during soldering process. The Leaf Springs are therefore protected against the damaging influences of the cleaning flux like corrosion, contact contamination & open contacts (created by solidification of flux on the mating areas which becomes an Insulating medium).

PLATING & FINISH

Inner Clip & Outer Sleeve can be separately plated to match different requirements of users. Popular plating of leaf spring is gold while that of the sleeve is tin. Tin plated leaf spring & sleeve can also be offered as a cost saving option, depending on the user's requirement.

INSULATORS

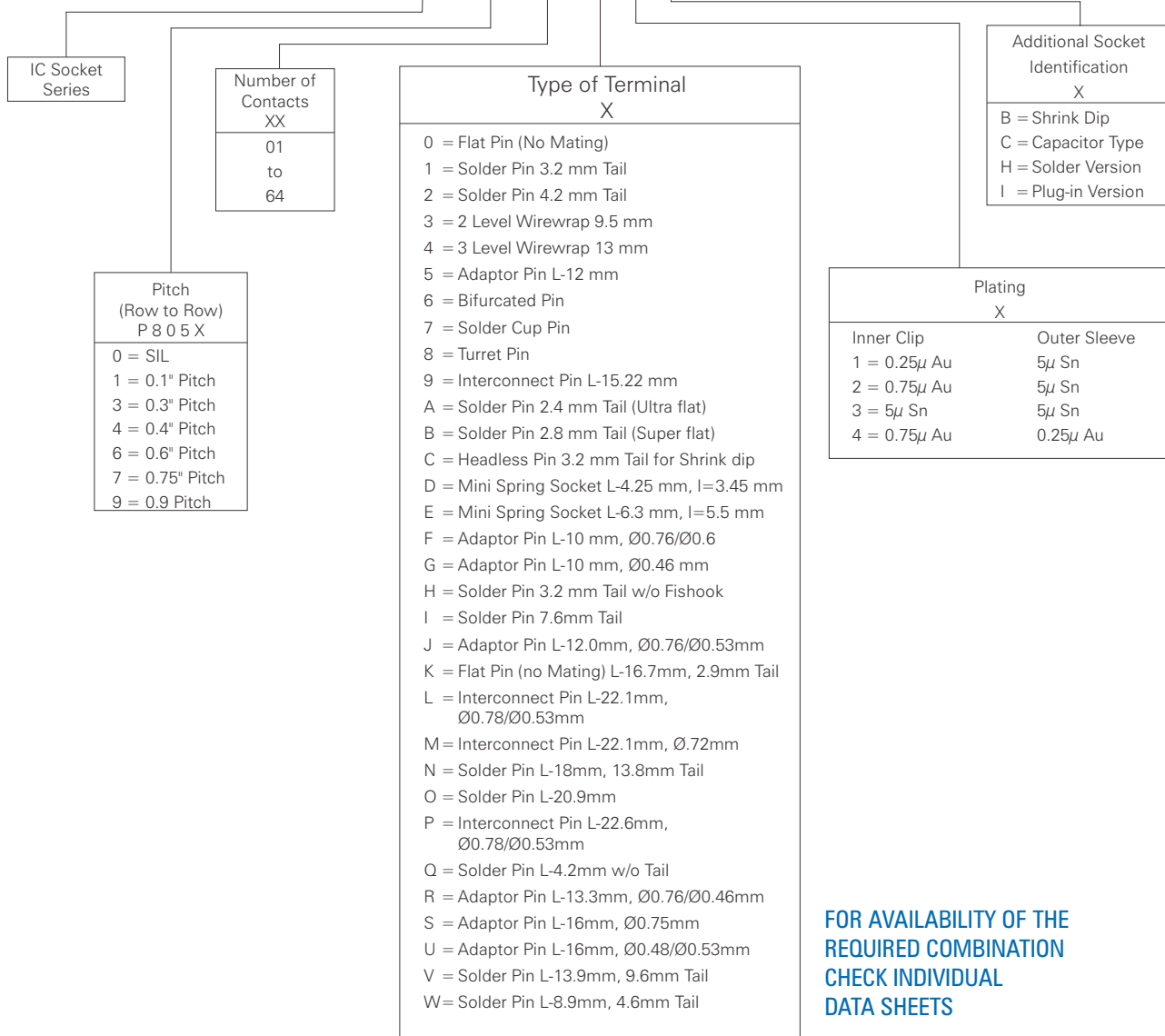
Sockets can be moulded using the latest electronic grade insulating materials like Polyester, Polyphenylenedene Sulphide etc., meeting flammability grades 94V-0. For certain applications Glass Epoxy Sheets are also recommended as insulators, where interconnects between contacts has to be laid inside the layers eg. in Conversion Sockets.

ORDERING INFORMATION

To enable our customers to order our products easily and without error, we have designed this ordering code with great care, to help you to easily arrive at the code without any difficulty.

Supposing you want to order a IC Socket, 0.6" Pitch, 28 Pin, 3.2 mm tail length, Inner contact gold plated 0.25 μ , Outer sleeve tin plated 5 μ , Capacitor type then the Part Number will be

P80562811C
P805XXXX



TECHNICAL SPECIFICATIONS FOR IC SOCKETS

Connector Parts	Materials & Finishes
Insulator Body	Glass filled polyester, self extinguishing, rated UL94 V-0
Outer Sleeve	Screw machined brass, plated 0.25 micron gold or 5 micron Tin - lead over nickel plate
Inner Clip	Beryllium - Copper, heat - treated, gold or Tin plated
Pins (Without Inner Clip)	Screw machined brass or phosphor bronze Plated 0.25 microns gold or 5 microns Tin over nickel plate

Mechanical Properties

Mechanical life	:	50 cycles
Insertion force	:	Average insertion force with steel pin dia 0.41 = < 2 N (0.2 Kg)
Extraction force	:	Average withdrawal force with steel pin dia 0.41 = > 0.5 N (0.05 Kg)

Type of Clip

4 Finger stamped contact		
Minimum insertion depth	:	2.6 mm
Maximum insertion depth	:	3.6 mm

Electrical Properties

Rated current	:	1 A
Rated voltage	:	100 V AC
Voltage proof	:	600 V AC
Contact Resistance	:	≤20 m ohms.
Insulation resistance	:	≥5000 M ohms @ 500 V DC
Capacitance	:	0.3Pf Max. (1Pf for shrink dip series)

Environmental Properties

Operating temperature range	:	-65°C, +125°C
Resistance to soldering heat	:	+260°C, 10 seconds
Environment category	:	65 / 125 / 21

PIN LAYOUT

0 = Flat Pin	1 = Solder Pin 3.20mm Tail	2 = Solder Pin 4.20mm Tail	3 = 2 Level W/W 9.5mm
4 = 3 Level W/W 13mm	5 = Adaptor Pin	6 = Bifurcated Pin	7 = Solder Cup Pin
8 = Turret Pin	9 = Interconnect Pin	C = Headless Pin 3.2mm Tail	

PIN LAYOUT - PGA SOCKETS

D = 3.2mm Tail PGA Pin	E = 4.2mm Tail PGA Pin	F = 13mm PGA W/W	

DUAL IN - LINE SOCKETS STANDARD SOLDER TAIL

OPEN FRAME

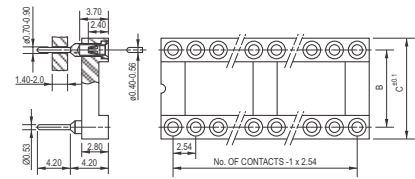
Features

- End to end, side to side stackable
- No solder vicking
- Stands 4.2mm high on PCB
- Lead spacing 2.54mm
- Takes IC pins 0.43 dia / 0.25 x 0.45 flat construction
- Pin insertion depth, 3.2mm min.



ORDERING INFORMATION

P805 IC Socket Series	X Row Pitch Spacing	XX Number of Contacts	X Type of Pins	X Plating	
				Inner Clip	Outer Sleeve
P805	1 = 0.1" Pitch	01	1 = PC Pin 3.2mm	1 = 0.25μ Au	5μ Sn
	3 = 0.3" Pitch	to	2 = PC Pin 4.2mm	2 = 0.75μ Au	5μ Sn
	4 = 0.4" Pitch	64		3 = 5μ Sn	5μ Sn
	6 = 0.6" Pitch			4 = 0.75μ Au	0.25μ Au
	9 = 0.9" Pitch				
B: 2.54 mm (0.1") C: 5.08 mm		B: 7.62 mm (0.3") C: 10.1 mm	B: 10.16 mm (0.4") C: 12.6 mm	B: 15.24 mm (0.6") C: 17.7 mm	B: 22.86 mm (0.9") C: 25.3 mm
P8051-XX-XX ↓ 02 to 80 contacts	P8053 - 04 - XX P8053 - 06 - XX P8053 - 08 - XX P8053 - 10 - XX P8053 - 14 - XX P8053 - 16 - XX P8053 - 18 - XX P8053 - 20 - XX P8053 - 22 - XX P8053 - 24 - XX P8053 - 28 - XX	P8054 - 22 - XX	P8056 - 24 - XX P8056 - 28 - XX P8056 - 32 - XX P8056 - 40 - XX P8056 - 42 - XX P8056 - 48 - XX	P8059 - 64 - XX	



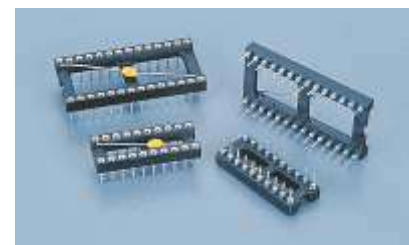
B: Pitch Row to Row
C: Total Socket Width

DUAL IN - LINE SOCKETS WITH INTEGRATED DECOUPLING CAPACITOR

OPEN FRAME

Features

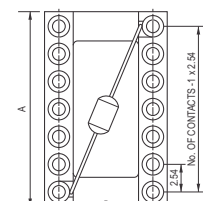
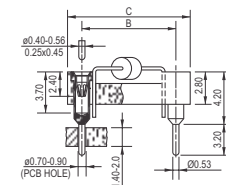
- End to end, side to side stackable
- No solder vicking
- Stands 4.2mm high on PCB
- Lead spacing 2.54 mm
- Output pins integrated with decoupling capacitor
- Open insulator frame



ORDERING INFORMATION

P805 IC Socket Series	X Row Pitch Spacing	XX Number of Contacts	X Type of Pins	X Plating		C: Capacitor
				Inner Clip	Outer Sleeve	
P805	3 = 0.3" Pitch	01	1 = PC Pin 3.2 mm	1 = 0.25μ Au	5μ Sn	C: Capacitor
	4 = 0.4" Pitch	to	2 = PC Pin 4.2 mm	2 = 0.75μ Au	5μ Sn	0.1 μ F 50 V
	6 = 0.6" Pitch	64		3 = 5μ Sn	5μ Sn	
	9 = 0.9" Pitch			4 = 0.75μ Au	0.25 μ Au	
B: 7.62 mm (0.3") C: 10.1 mm		B: 10.16 mm (0.4") C: 12.6 mm	B: 15.24 mm (0.6") C: 17.7 mm	B: 22.86 mm (0.9") C: 25.3 mm		
P8053 - 14 - XXC P8053 - 16 - XXC P8053 - 18 - XXC P8053 - 20 - XXC P8053 - 24 - XXC P8053 - 28 - XXC	P8054 - 22 - XXC	P8056 - 24 - XXC P8056 - 28 - XXC P8056 - 40 - XXC	Not available			

B: Pitch Row to Row
C: Total Socket Width

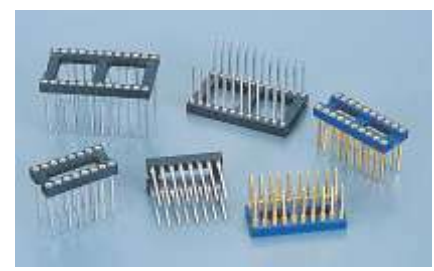


DUAL IN - LINE SOCKETS WIRE WRAP 2, 3 LEVEL

OPEN FRAME

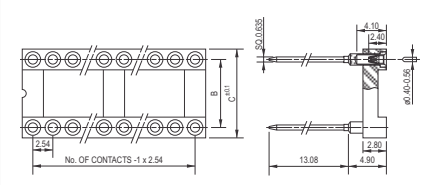
Features

- End to end, side to side stackable
- No solder vicking
- Lead spacing 2.54 mm
- 2 & 3 level Wirewrap
- Stands 4.9 mm on PCB



ORDERING INFORMATION

P805 IC Socket Series	X Row Pitch Spacing	XX Number of Contacts	X Type of Pins	X Plating	
				Inner Clip	Outer Sleeve
P805	1 = 0.1" Pitch 3 = 0.3" Pitch 4 = 0.4" Pitch 6 = 0.6" Pitch 9 = 0.9" Pitch	01 to 64	3 = 2 level W/W 9.52 mm 4 = 3 level W/W 1.3 mm	1 = 0.25 μ Au 2 = 0.75 μ Au 3 = 5 μ Sn 4 = 0.75 μ Au	5 μ Sn 5 μ Sn 5 μ Sn 0.25 μ Au
B: 2.54 mm (0.1") C: 5.08 mm	B: 7.62 mm (0.3") C: 10.1 mm	B: 10.16 mm (0.4") C: 12.6 mm	B: 15.24 mm (0.6") C: 17.7 mm	B: 22.86 mm (0.9") C: 25.3 mm	
P8051-XX-XX ↓ 02 to 80 Contacts	P8053 - 04 - XX P8053 - 06 - XX P8053 - 08 - XX P8053 - 14 - XX P8053 - 16 - XX P8053 - 18 - XX P8053 - 20 - XX P8053 - 22 - XX P8053 - 24 - XX P8053 - 28 - XX	P8054 - 22 - XX	P8056 - 24 - XX P8056 - 28 - XX P8056 - 32 - XX P8056 - 40 - XX P8056 - 42 - XX P8056 - 48 - XX	P8059 - 64 - XX	

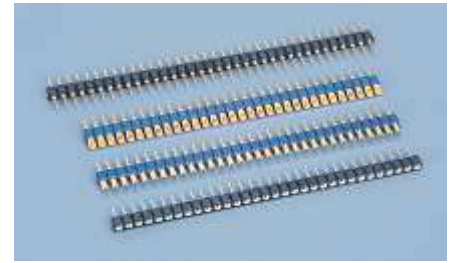


B: Pitch Row to Row
C: Total Socket Width

SINGLE IN - LINE SOCKETS

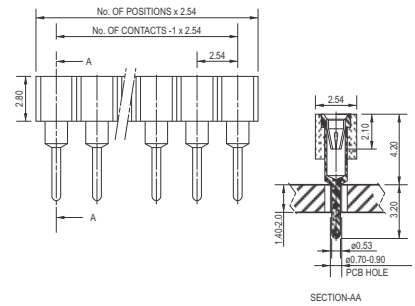
Features

- Can be cut easily into required sizes
- Lead spacing 2.54mm
- Easy to stack
- Available in specific length



ORDERING INFORMATION

P805 IC Socket Series	X Row Pitch Spacing	XX Number of Contacts	X Type of Pins	X Plating Inner Clip	X Plating Outer Sleeve
P805	0 = SIL	01 to 64	1 = Solder Pin 3.2 mm tail 2 = Solder Pin 4.2 mm tail 3 = 2 Level Wirewrap 4 = 3 Level Wirewrap 5 = Adaptor Pin 6 = Bifurcated Pin 7 = Solder Cup Pin 8 = Turret Pin 9 = Interconnect Pin For other type of pins refer pg-51	1 = 0.25 μ Au 2 = 0.75 μ Au 3 = 5 μ Sn 4 = 0.75 μ Au P - For 5 to 9 type of pin 1 = 5 μ Sn 4 = 0.25 μ Au	5 μ Sn 5 μ Sn 5 μ Sn 0.25 μ Au



1 = Solder Pin 3.20mm Tail	2 = Solder Pin 4.20mm Tail	3 = 2 Level W/W 9.5mm
4 = 3 Level W/W 13mm	5 = Adaptor Pin	6 = Bifurcated Pin
7 = Solder Cup Pin	8 = Turret Pin	9 = Interconnect Pin

DUAL IN - LINE ADAPTORS STANDARD SOLDER TAIL

OPEN FRAME

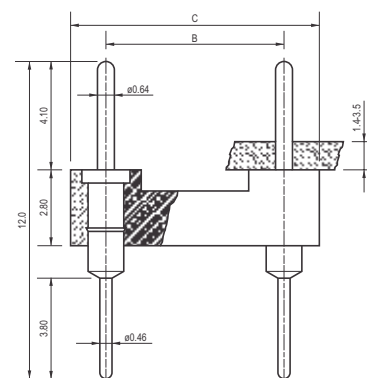
Features

- Straight solderable sockets with 0.46 mm
- For piggy back constructions
- Lead spacing 2.54 mm
- Also available with different pin lengths, on request



ORDERING INFORMATION

P805 IC Socket Series	X Row Pitch Spacing	XX Number of Contacts	X Type of Pins	X Pin Plating
P805	1 = 0.1" Pitch 3 = 0.3" Pitch 4 = 0.4" Pitch 6 = 0.6" Pitch 9 = 0.9" Pitch	01 to 64	5 = Adaptor Pin 6 = Bifurcated Pin 7 = Solder Cup Pin 8 = Turret Pin 9 = Interconnect Pin For other type of terminals, refer pg-51	1 = 5 μ Sn 4 = 0.25 μ Au
B: 2.54 mm (0.1") C: 5.08 mm	B: 7.62 mm (0.3") C: 10.1 mm	B: 10.16 mm (0.4") C: 12.6 mm	B: 15.24 mm (0.6") C: 17.7 mm	B: 22.86 mm (0.9") C: 25.3 mm
P8051-XX-XX ↓ 02 to 80 Contacts	P8053 - 04 - XX P8053 - 06 - XX P8053 - 08 - XX P8053 - 10 - XX P8053 - 14 - XX P8053 - 16 - XX P8053 - 18 - XX P8053 - 20 - XX P8053 - 22 - XX P8053 - 28 - XX	P8054 - 22 - XX	P8056 - 24 - XX P8056 - 28 - XX P8056 - 32 - XX P8056 - 40 - XX P8056 - 42 - XX P8056 - 48 - XX	P8059 - 64 - XX



B: Pitch Row to Row
C: Total Socket Width

SHRINK DIP SOCKETS AND STRIPS SOLDER TAIL

OPEN FRAME

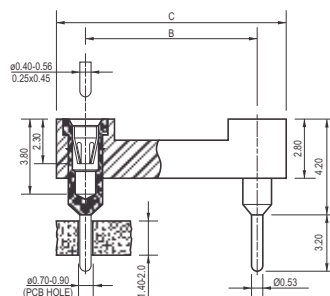
Features

- End to end, side to side, stackable
- No solder vicking
- Stands 4.2 mm high on PCB
- Open Frame
- Lead spacing 0.07" (1.778 mm)



ORDERING INFORMATION

P805 IC Socket Series	X Row Pitch Spacing	XX Number of Contacts	X Type of Pins	X Plating		
				Inner Clip	Outer Sleeve	
P805	3 = 0.3" Pitch 4 = 0.4" Pitch 6 = 0.6" Pitch 7 = 0.75" Pitch	01 to 64	C = PC Pin 3.2 mm Tail	1 = 0.25 μ Au 2 = 0.75 μ Au 3 = 5 μ Sn	5 μ Sn 5 μ Sn	B : Shrink Dip
B: 7.62 mm (0.3") C: 10.1 mm	B: 10.16 mm (0.4") C: 12.6 mm	B: 15.24 mm (0.6") C: 17.7 mm	B: 19.05 mm (0.75") C: 21.59 mm			
P8053 - 16 - XXB	P8054 - 28 - XXB P8054 - 30 - XXB P8054 - 32 - XXB P8054 - 48 - XXB	P8056 - 28 - XXB P8056 - 40 - XXB P8056 - 42 - XXB P8056 - 48 - XXB P8056 - 52 - XXB P8056 - 64 - XXB P8056 - 68 - XXB	P8057 - 64 - XXB			
SINGLE ROW STRIPS P8050 - 21 - XXB						



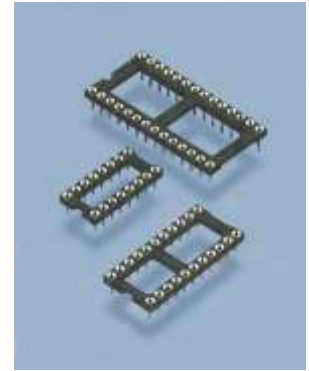
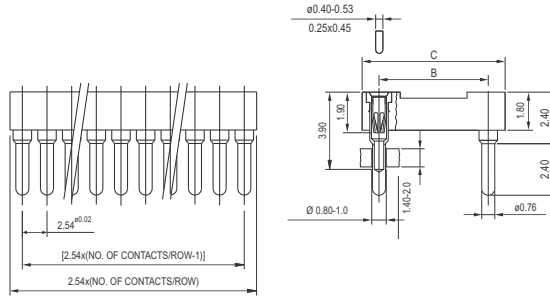
B: Pitch Row to Row
C: Total Socket Width

DUAL IN-LINE SOCKETS ULTRA FLAT

OPEN FRAME

Features

- Uses Ultraflat, open frame socket body
- 4 finger short clip
- Contact point at 1.9mm
- Ultraflat profile only
- Lead spacing 2.54mm
- Stands 2.4mm on PCB
- Hole drilled into solder tail to allow proper IC insertion
- Fits standard PC board holes



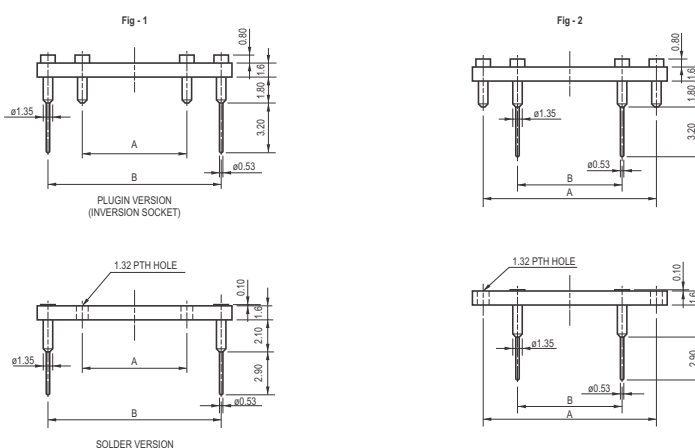
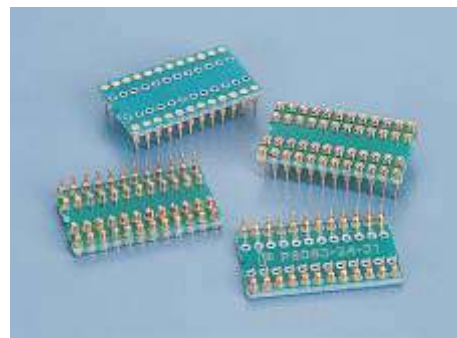
ORDERING INFORMATION

P805 IC Socket Series	X Row Pitch Spacing	XX Number of Contacts	X Type of Pin	X Inner Clip	X Plating	outer sleeve
P805	3=0.3" Pitch 4=0.4" Pitch 6=0.6" Pitch	01 to 64	A-Solder Pin 2.4mm Tail	1=0.25μ Au 2=0.75μ Au 3=5μ Sn 4=0.75μ Au	5μ Sn 5μ Sn 5μ Sn 5μ Sn	D=Ultra Pin
B: 7.62mm (0.3") C: 10.1mm			B = 10.16mm (0.4") C = 12.6mm		B = 15.25mm (0.6") C = 17.7mm	
P8053-04-XXD P8053-06-XXD P8053-08-XXD P8053-10-XXD P8053-14-XXD P8053-16-XXD P8053-18-XXD P8053-20-XXD P8053-22-XXD P8053-24-XXD P8053-28-XXD			P8054-22-XXD P8054-24-XXD P8054-28-XXD P8054-32-XXD	P8056-24-XXD P8056-28-XXD P8056-32-XXD P8056-36-XXD P8056-40-XXD P8056-42-XXD P8056-48-XXD P8056-50-XXD P8056-52-XXD		

CONVERSION SOCKETS

Features

- Easy to stack
- Available to specific design
- Please specify dimensions A, B, C, D
- Lead spacing 2.54 mm
- IC can be Plug-in or Soldered
- Glass epoxy insulators
- Converts
 1. Lower row spacing DIL IC / s to higher row PC board.
 2. Higher row spacing DIL IC / s to lower row PC board.

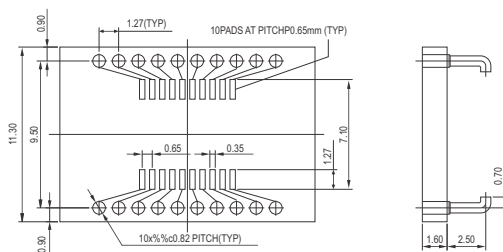


ORDERING INFORMATION

P805 Conversion Socket Series	X Row Conversion From B to A & A to B	XX Number of Contacts	X Type of Pins	X Plating		X
				Inner Clip	Outer Sleeve	
P805 Fig 2	0.3" to 0.6" = A	04 to 64	Ø 0 = Flat Pin (No mating) 1 = Solder Pin 3.2 mm Tail	1 = 0.25 µ Au	5 µ Sn	H = Solder
	0.4" to 0.6" = B			2 = 0.75 µ Au	5 µ Sn	Version
	0.3" to 0.9" = C			3 = 5 µ Sn	5 µ Sn	I = Plug-in Version
Fig 1	0.6" to 0.3" = D			4 = 0.75 µ Au	0.25 µ Au	
	0.6" to 0.4" = E			Ø - For 0 type of pin		
	0.9" to 0.3" = F			1 = 5 µ Sn		
	0.3" to 0.3" = G			4 = 0.25 µ Au		

SOJ to SOWIC Adaptor

P805K-20-54S



DUAL IN - LINE SOCKETS METAL CARRIER

Specification

Same as IC Sockets

Material & Finish

Body : Brass
Outer Sleeve : Brass, Tin-Lead Plated
Inner Clip : Beryllium Copper, Gold-Plated

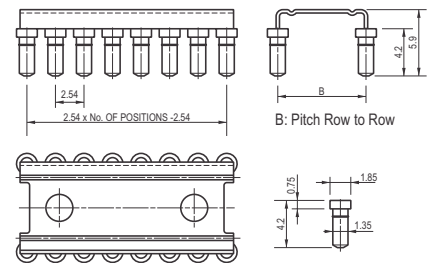
Features

- Excellent air-cooling of IC's
- Very low profile. Board can be drilled so that the contacts can be Inserted down to the shoulder leaving max. profile above board of 0.78mm
- Higher packaging density
- No flux intrusion after soldering



ORDERING INFORMATION

P805 IC Socket Series	X Row Pitch Spacing	M Metal carrier	XX Number of Contacts	X Type of Pins	X Plating Inner Clip Outer Sleeve
P805	3 = 0.3" Pitch 6 = 0.6" Pitch 9 = 0.9" Pitch	Metal carrier	01 to 64	1 = PC pin 3.2mm 2 = PC pin 4.2mm D= Mini Spring Skt, L- 4.25mm, l=3.45mm E= Mini Spring Skt, L- 6.3mm, l=5.5mm Q = Solder pin w/o tail (L-4.2mm)	1 = 0.25 μ Au 5 μ Sn 3 = 5 μ Sn 5 μ Sn
B: 7.62mm (0.3")		B: 15.24 mm (0.6")		B: 22.86 mm (0.9")m	
P8053 - 06 - XX		P8056 - 24 - XX	P8059 - 64 - XX		
P8053 - 08 - XX		P8056 - 28 - XX			
P8053 - 14 - XX		P8056 - 40 - XX			
P8053 - 16 - XX					
P8053 - 18 - XX					
P8053 - 20 - XX			Note: For further details, check with factory.		



MINI SPRING SOCKETS

P8040 Series

Specification

Same as IC Sockets

Material & Finish

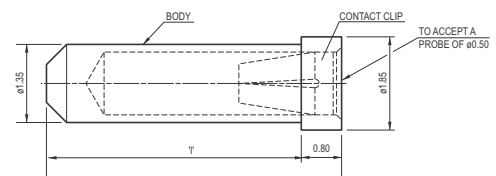
Outer Sleeve : Brass, Tin-Lead Plated
Inner Clip : Beryllium Copper, Gold Plated

Features

- ! Accepts mating pins of size $\varnothing 0.50 \pm 0.05$ mm
- ! Sockets are solder mount types
- ! Available in two lengths
- ! Mounting Hole Dia is $\varnothing 1.35 + 0/-0.02$ mm



Finish	Part Number	
	l = 3.45mm	l = 5.50mm
Tin Plated	P8040-19-32-0	P8040-19-32-L



TECHNICAL SPECIFICATIONS FOR PGA SOCKETS

Connector Parts	Materials & Finishes
Insulator Body	Glass filled thermoplastic polyester, self extinguishing, rated UL94 V-0 or Glass Epoxy Laminate
Outer Sleeve	Screw machined brass, gold or Tin plated
Inner Clip	Beryllium - Copper, heat - treated, gold or Tin plated
Pins (Without Inner Clip)	Screw machined brass plated 0.25 microns gold or 5 microns tin - lead over nickel plate

Mechanical Properties

Mechanical life	:	50 Cycles (min)
Insertion force	:	Average insertion force with steel dia 0.41 = < 1 N (0.1 Kg)
Extraction force	:	Average withdrawal force with steel pin dia 0.41 = > 0.15 N (0.015 Kg)

Type of Clip

6 Finger stamped contact		
Minimum insertion depth	:	2.6 mm
Maximum insertion depth	:	3.6 mm

Electrical Properties

Rated current	:	1 A
Rated voltage	:	100 V AC
Voltage proof	:	600 V AC
Contact resistance	:	≤20 m ohms
Insulation resistance	:	≥5000 M ohms @ 500 VDC

Environmental Properties

Operating temperature range	:	-65° C, +125° C
Resistance to soldering heat	:	+260° C, 10 seconds
Environment category	:	65 / 125 / 21

PIN GRID ARRAY SOCKETS

SERIES PGA

Dimension with n_1 = number of contacts in one line ($5 \leq n_1 \leq 21$)
 and n_2 = characteristic size of the window ($3 \leq n_2 \leq 10$)

The dimensions can be calculated :

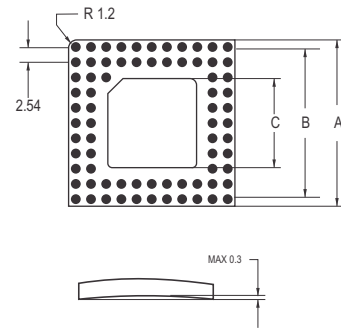
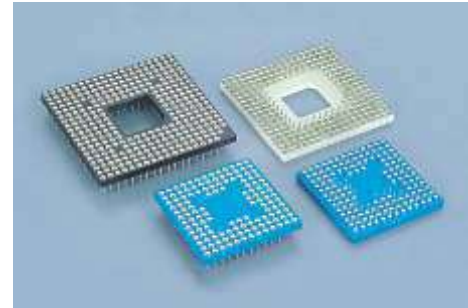
◆ For moulded polyester bodies	◆ For machined glass-epoxy bodies
$A = n_1 \times 2.54$	$A = n_1 \times 2.54 + 1.27$
$B = (n_1 - 1) \times 2.54$	$B = (n_1 - 1) \times 2.54$
$C = (n_2 \times 2.54) - 0.40$	$C = (n_2 \times 2.54) - 0.40$

Insulator thickness

◆ For moulded polyester bodies	◆ For machined glass - epoxy bodies
2.8 ± 0.3 mm	1.6 ± 0.1 mm

Features

- High density connecting devices for PGA Chips.
- Low contact insertion and withdrawal forces.
- Available in various pin grid sizes, pin counts & staggered versions.
- Any combination of pin grid & contact loading can be supplied.
- Insulator of glass filled thermoplastic or fiberglass epoxy available.
- With or without window.

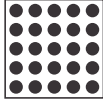
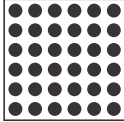
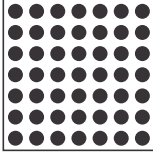
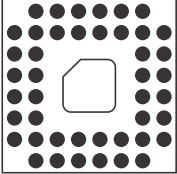
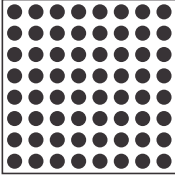
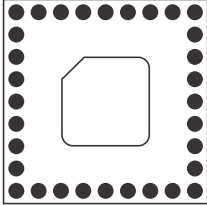
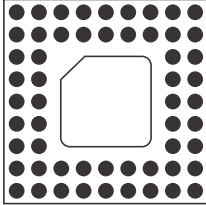
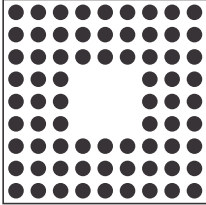
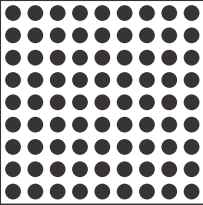
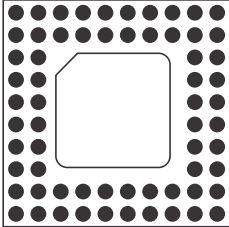
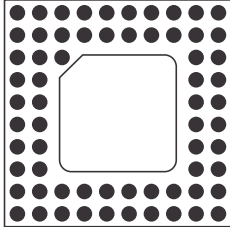
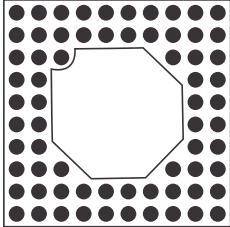
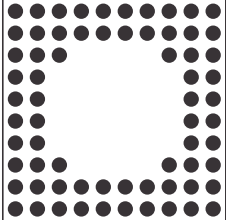
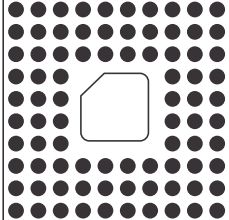
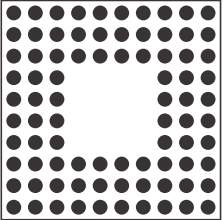
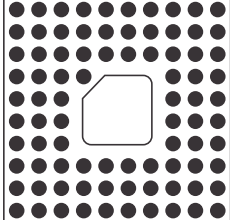


ORDERING INFORMATION

PX PGA Socket Series	XX Grid Size Spacing	XXX Number of Contacts	X Size of window	X Tail Type	X Plating	
					Inner Clip	Outer Sleeve
A - Grid Array SKT Polyester Insulator	05 = 5x5 06 = 6x6 07 = 7x7	025 to 999	A = No Window B C D	A = Solder Pin 3 mm Tail, accepts $\varnothing 0.7 - \varnothing 0.8$ mm B = Interconnect Pin L=15.2 mm C = Interconnect Pin L=18.8 mm D = PGA Solder Pin 3.20mm Tail	1 = 0.25μ Au 2 = 0.75μ Au 3 = 5μ Sn 4 = 0.75μ Au	5μ Sn 5μ Sn 5μ Sn 0.25μ Au
H - Grid Array SKT Glass Epoxy Insulator	08 = 8x8 09 = 9x9 10 = 10x10		E For F Window G Sizes H refer I sheets J K L M	E = PGA Solder Pin 4.2 mm Tail F = 3 level PGA w/w \varnothing G = Solder Pin 3.9 mm Tail 5 = Adaptor Pin \varnothing^*		
F - Grid Array SKT Staggered contacts Glass Epoxy Insulator	11 = 11x11 12 = 12x12 13 = 13x13 14 = 14x14 15 = 15x15 16 = 16x16 17 = 17x17 18 = 18x18 19 = 19x19 20 = 20x20 21 = 21x21				\varnothing^* - For type 5 pin 1 = 5μ Sn 4 = 0.25μ Au	
G - Grid Array SKT Zig Zag type 1.6 mm thickness				\varnothing - Not available on High Density staggered PGA Socket version		

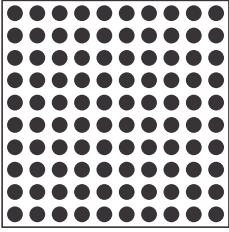
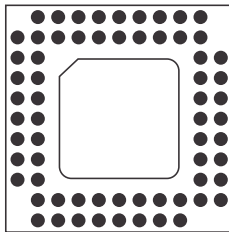
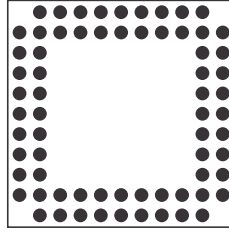
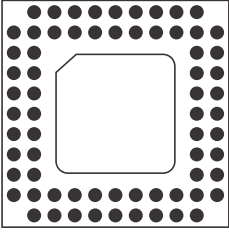
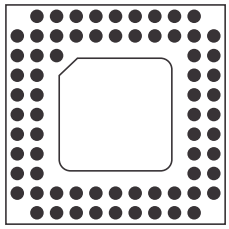
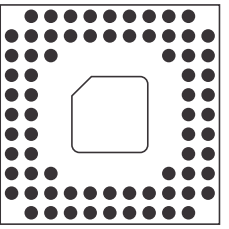
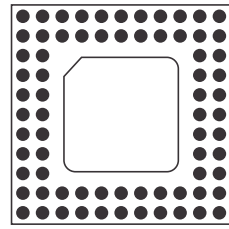
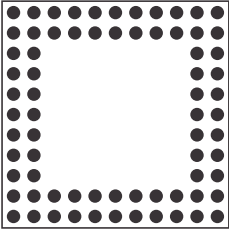
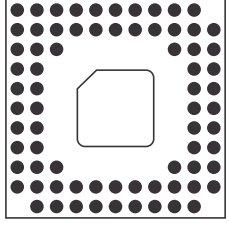
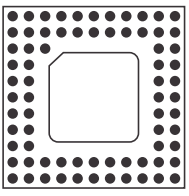
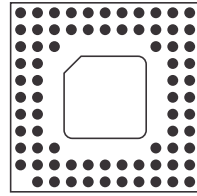
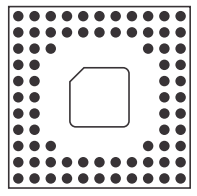
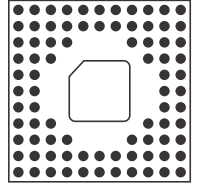
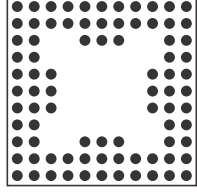
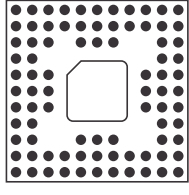
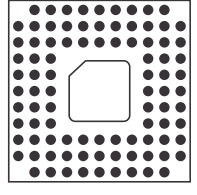
PIN GRID ARRAY SOCKETS STANDARD FOOT PRINTS

SERIES PGA

<p>5 x 5 25 Pins</p> 	<p>6 x 6 36 Pins</p> 	<p>7 x 7 49 Pins</p> 	<p>8 x 8 44 Pins</p> 
PX - 05 - 025 - AXX	PX - 06 - 036 - AXX	PX - 07 - 049 - AXX	PX - 08 - 044 - BXX
<p>8 x 8 64 Pins</p> 	<p>9 x 9 32 Pins</p> 	<p>9 x 9 56 Pins</p> 	<p>9 x 9 72 Pins</p> 
PX - 08 - 064 - AXX	PX - 09 - 032 - CXX	PX - 09 - 056 - CXX	PX - 09 - 072 - AXX
<p>9 x 9 81 Pins</p> 	<p>10 x 10 64 Pins</p> 	<p>10 x 10 65 Pins</p> 	<p>10 x 10 68 Pins</p> 
PX - 09 - 081 - AXX	PX - 10 - 064 - DXX	PX - 10 - 065 - DXX	PX - 10 - 068 - OXX
<p>10 x 10 68 Pins</p> 	<p>10 x 10 84 Pins</p> 	<p>10 x 10 84 Pins</p> 	<p>10 x 10 85 Pins</p> 
PX - 10 - 068 - AXX	PX - 10 - 084 - BXX	PX - 10 - 084 - AXX	PX - 10 - 085 - BXX

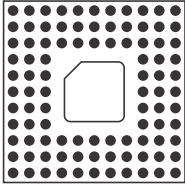
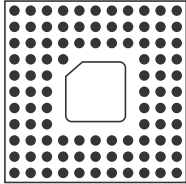
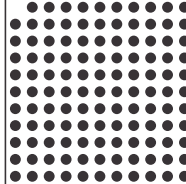
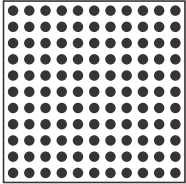
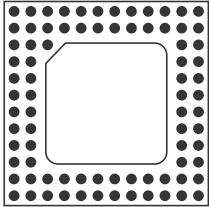
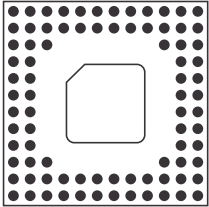
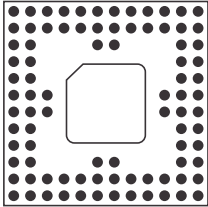
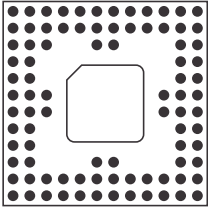
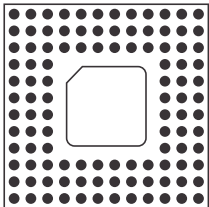
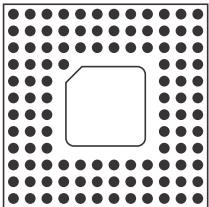
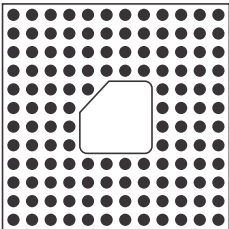
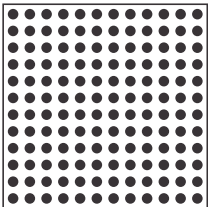
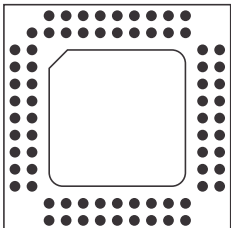
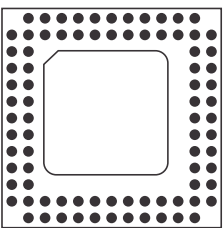
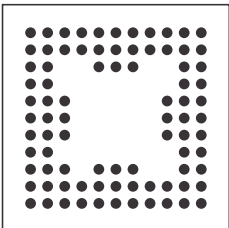
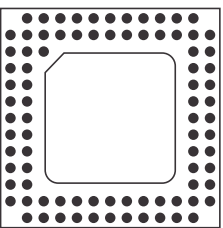
PIN GRID ARRAY SOCKETS STANDARD FOOT PRINTS

SERIES PGA

<p>10 x 10 100 Pins</p> 	<p>11 x 11 65 Pins</p> 	<p>11 x 11 68 Pins</p> 	<p>11 x 11 68 Pins</p> 
PX - 10 - 100 - AXX	PX - 11 - 065 - EXX	PX - 11 - 068 - AXX	PX - 11 - 068 - EXX
<p>11 x 11 69 Pins</p> 	<p>11 x 11 72 Pins</p> 	<p>11 x 11 72 Pins</p> 	<p>11 x 11 72 Pins</p> 
PX - 11 - 069 - EXX	PX - 11 - 072 - CXX	PX - 11 - 072 - EXX	PX - 11 - 072 - AXX
<p>11 x 11 73 Pins</p> 	<p>11 x 11 73 Pins</p> 	<p>11 x 11 75 Pins</p> 	<p>11 x 11 76 Pins</p> 
PX - 11 - 073 - CXX	PX - 11 - 073 - EXX	PX - 11 - 075 - DXX	PX - 11 - 076 - CXX
<p>11 x 11 84 Pins</p> 	<p>11 x 11 84 Pins</p> 	<p>11 x 11 85 Pins</p> 	<p>11 x 11 92 Pins</p> 
PX - 11 - 084 - CXX	PX - 11 - 084 - AXX	PX - 11 - 085 - CXX	PX - 11 - 092 - CXX

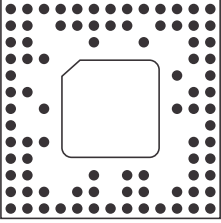
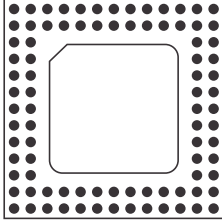
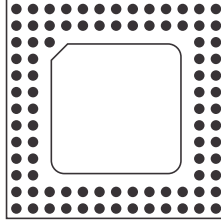
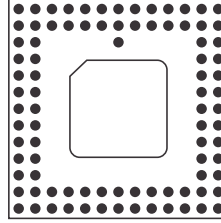
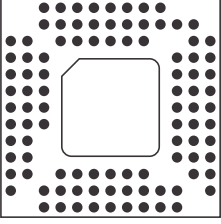
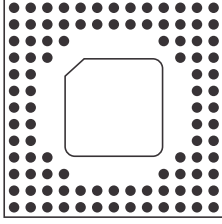
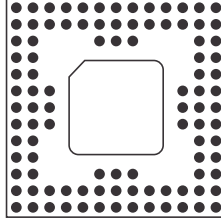
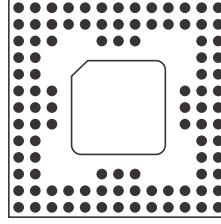
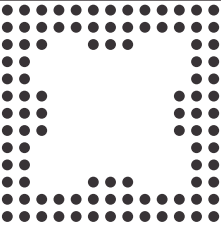
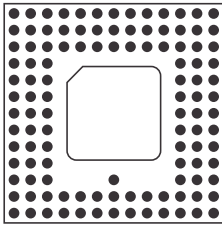
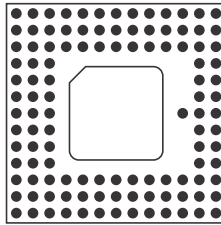
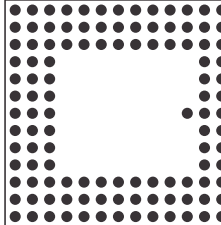
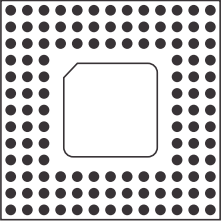
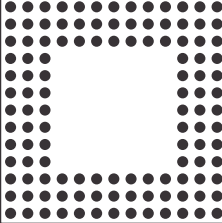
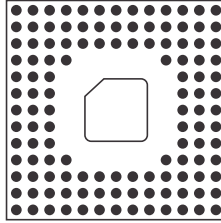
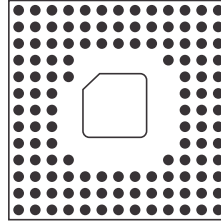
PIN GRID ARRAY SOCKETS STANDARD FOOT PRINTS

SERIES PGA

<p>11 x 11 96 Pins</p> 	<p>11 x 11 97 Pins</p> 	<p>11 x 11 120 Pins</p> 	<p>11 x 11 121 Pins</p> 
PX - 11 - 096 - CXX	PX - 11 - 097 - CXX	PX - 11 - 120 - AXX	PX - 11 - 121 - AXX
<p>12 x 12 81 Pins</p> 	<p>12 x 12 84 Pins</p> 	<p>12 x 12 88 Pins</p> 	<p>12 x 12 89 Pins</p> 
PX - 12 - 081 - FXX	PX - 12 - 084 - DXX	PX - 12 - 088 - DXX	PX - 12 - 089 - DXX
<p>12 x 12 108 Pins</p> 	<p>12 x 12 109 Pins</p> 	<p>12 x 12 129 Pins</p> 	<p>12 x 12 144 Pins</p> 
PX - 12 - 108 - DXX	PX - 12 - 109 - DXX	PX - 12 - 129 - CXX	PX - 12 - 144 - AXX
<p>13 x 13 73 Pins</p> 	<p>13 x 13 84 Pins</p> 	<p>13 x 13 85 Pins</p> 	<p>13 x 13 85 Pins</p> 
PX - 13 - 073 - GXX	PX - 13 - 084 - GXX	PX - 13 - 085 - AXX	PX - 13 - 085 - GXX

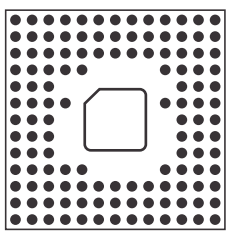
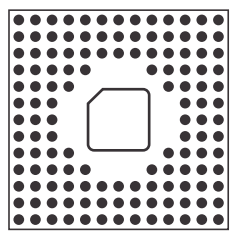
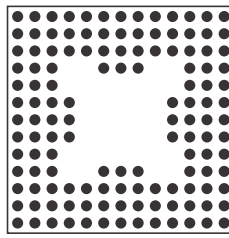
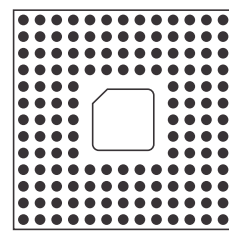
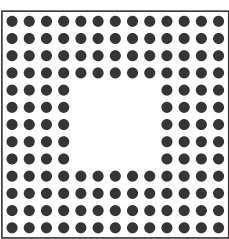
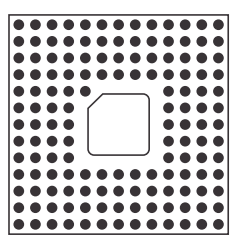
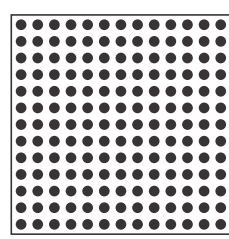
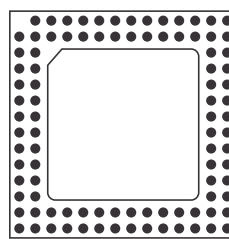
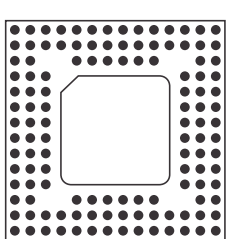
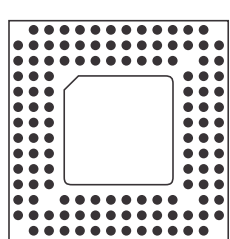
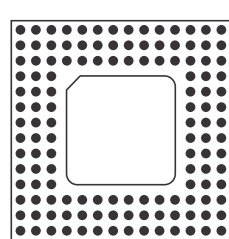
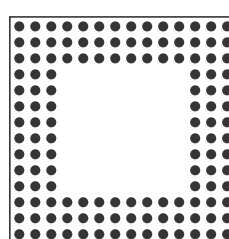
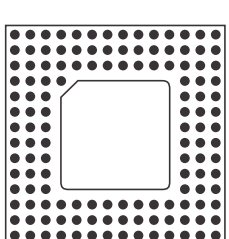
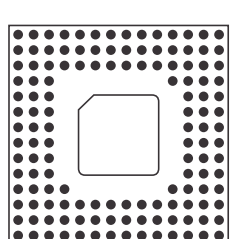
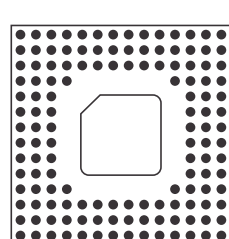
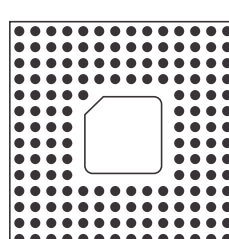
PIN GRID ARRAY SOCKETS STANDARD FOOT PRINTS

SERIES PGA

<p>13 x 13 88 Pins</p> 	<p>13 x 13 88 Pins</p> 	<p>13 x 13 89 Pins</p> 	<p>13 x 13 89 Pins</p> 
PX - 13 - 088 - EXX	PX - 13 - 088 - GXX	PX - 13 - 089 - GXX	PX - 13 - 089 - EXX
<p>13 x 13 98 Pins</p> 	<p>13 x 13 100 Pins</p> 	<p>13 x 13 100 Pins</p> 	<p>13 x 13 101 Pins</p> 
PX - 13 - 098 - EXX	PX - 13 - 100 - EXX	PX - 13A 100 - EXX	PX - 13 - 101 - EXX
<p>13 x 13 101 Pins</p> 	<p>13 x 13 114 Pins</p> 	<p>13 x 13 114 Pins</p> 	<p>13 x 13 114 Pins</p> 
PX - 13 - 101 - AXX	PX - 13 - 114 - EXX	PX - 13A 114 - EXX	PX - 13 - 114 - AXX
<p>13 x 13 120 Pins</p> 	<p>13 x 13 120 Pins</p> 	<p>13 x 13 124 Pins</p> 	<p>13 x 13 125 Pins</p> 
PX - 13 - 120 - EXX	PX - 13 - 120 - AXX	PX - 13 - 124 - CXX	PX - 13 - 125 - CXX

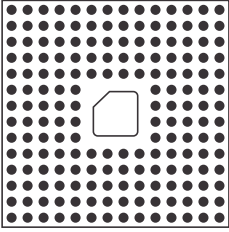
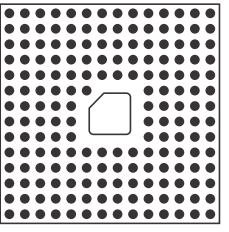
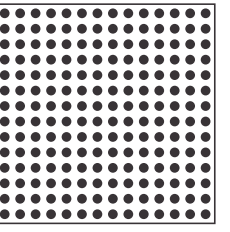
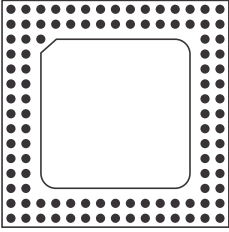
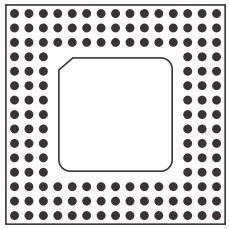
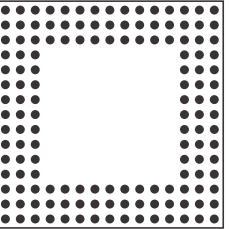
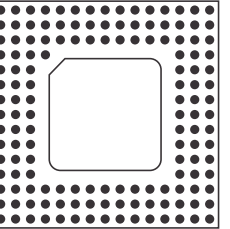
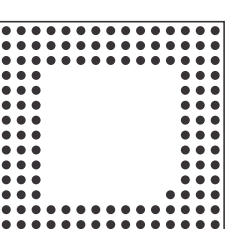
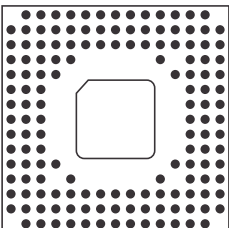
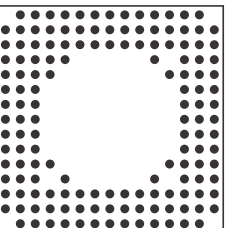
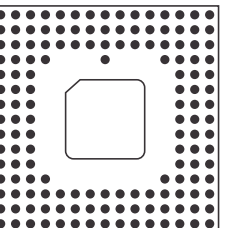
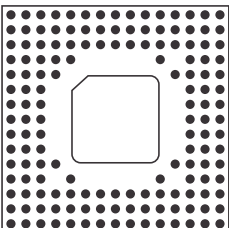
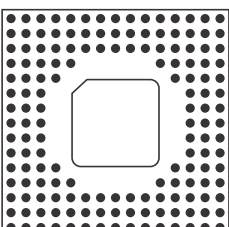
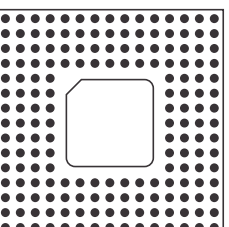
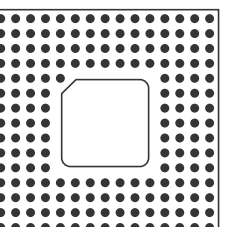
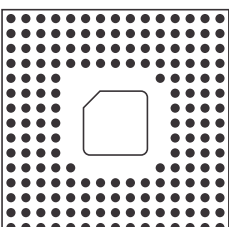
PIN GRID ARRAY SOCKETS STANDARD FOOT PRINTS

SERIES PGA

<p>13 x 13 128 Pins</p> 	<p>13 x 13 132 Pins</p> 	<p>13 x 13 132 Pins</p> 	<p>13 x 13 144 Pins</p> 
PX - 13 - 128 - CXX	PX - 13 - 132 - CXX	PX - 13 - 132 - AXX	PX - 13 - 144 - CXX
<p>13 x 13 144 Pins</p> 	<p>13 x 13 145 Pins</p> 	<p>13 x 13 169 Pins</p> 	<p>14 x 14 95 Pins</p> 
PX - 13 - 144 - AXX	PX - 13 - 145 - CXX	PX - 13 - 169 - AXX	PX - 14 - 095 - IXX
<p>14 x 14 124 Pins</p> 	<p>14 x 14 125 Pins</p> 	<p>14 x 14 132 Pins</p> 	<p>14 x 14 132 Pins</p> 
PX - 14 - 124 - FXX	PX - 14 - 125 - FXX	PX - 14 - 132 - FXX	PX - 14 - 132 - AXX
<p>14 x 14 133 Pins</p> 	<p>14 x 14 135 Pins</p> 	<p>14 x 14 136 Pins</p> 	<p>14 x 14 161 Pins</p> 
PX - 14 - 133 - FXX	PX - 14 - 135 - DXX	PX - 14 - 136 - DXX	PX - 14 - 161 - DXX

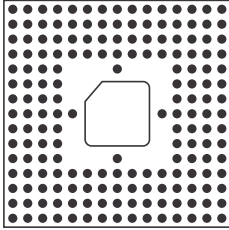
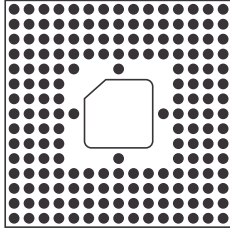
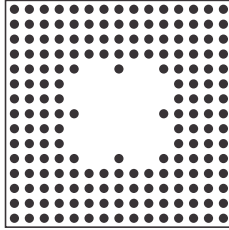
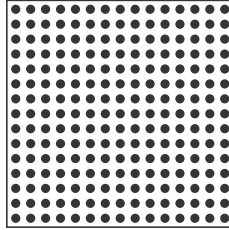
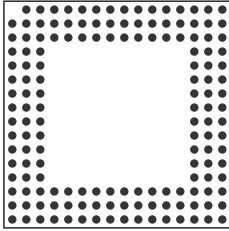
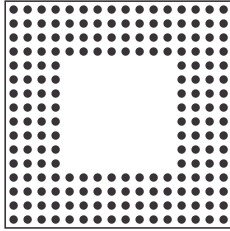
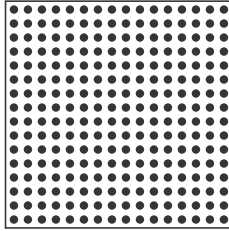
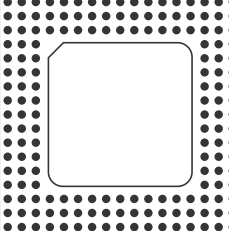
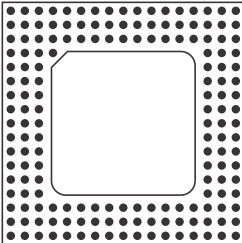
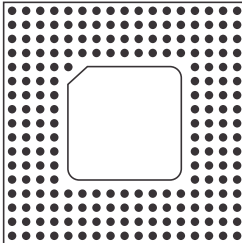
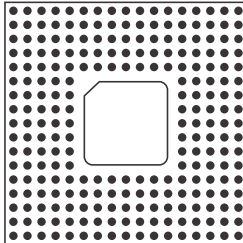
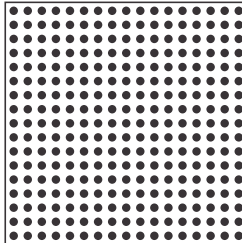
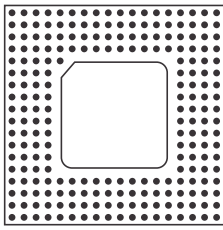
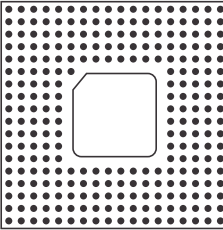
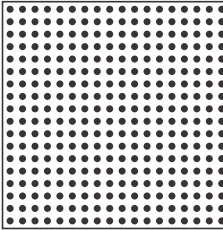
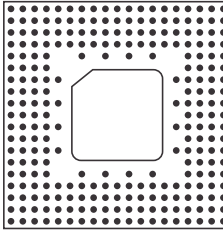
PIN GRID ARRAY SOCKETS STANDARD FOOT PRINTS

SERIES PGA

<p>14 x 14 180 Pins</p> 	<p>14 x 14 181 Pins</p> 	<p>14 x 14 196 Pins</p> 	<p>15 x 15 105 Pins</p> 
PX - 14 - 180 - BXX	PX - 14 - 181 - BXX	PX - 14 - 196 - AXX	PX - 15 - 105 - IXX
<p>15 x 15 144 Pins</p> 	<p>15 x 15 144 Pins</p> 	<p>15 x 15 145 Pins</p> 	<p>15 x 15 145 Pins</p> 
PX - 15 - 144 - GXX	PX - 15 - 144 - AXX	PX - 15 - 145 - GXX	PX - 15 - 145 - AXX
<p>15 x 15 149 Pins</p> 	<p>15 x 15 149 Pins</p> 	<p>15 x 15 149 Pins</p> 	<p>15 x 15 153 Pins</p> 
PX - 15A 149 - EXX	PX - 15 - 149 - AXX	PX - 15 - 149 - EXX	PX - 15 - 153 - EXX
<p>15 x 15 156 Pins</p> 	<p>15 x 15 176 Pins</p> 	<p>15 x 15 177 Pins</p> 	<p>15 x 15 179 Pins</p> 
PX - 15 - 156 - EXX	PX - 15 - 176 - EXX	PX - 15 - 177 - EXX	PX - 15 - 179 - CXX

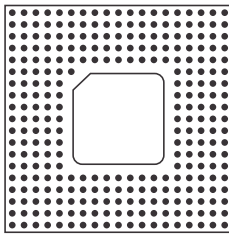
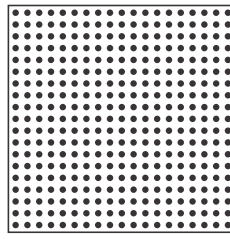
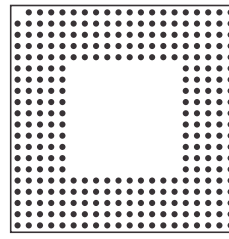
PIN GRID ARRAY SOCKETS STANDARD FOOT PRINTS

SERIES PGA

<p>15 x 15 180 Pins</p> 	<p>15 x 15 181 Pins</p> 	<p>15 x 15 184 Pins</p> 	<p>15 x 15 225 Pins</p> 
PX - 15 - 180 - CXX	PX - 15 - 181 - CXX	PX - 15 - 184 - AXX	PX - 15 - 225 - AXX
<p>16 x 16 155 Pins</p> 	<p>16 x 16 192 Pins</p> 	<p>16 x 16 256 Pins</p> 	<p>17 x 17 168 Pins</p> 
PX - 16 - 155 - AXX	PX - 16 - 192 - AXX	PX - 16 - 256 - AXX	PX - 17 - 168 - IXX
<p>17 x 17 169 Pins</p> 	<p>17 x 17 209 Pins</p> 	<p>17 x 17 240 Pins</p> 	<p>17 x 17 289 Pins</p> 
PX - 17 - 169 - IXX	PX - 17 - 209 - GXX	PX - 17 - 240 - EXX	PX - 17 - 289 - AXX
<p>18 x 18 225 Pins</p> 	<p>18 x 18 261 Pins</p> 	<p>18 x 18 324 Pins</p> 	<p>19 x 19 256 Pins</p> 
PX - 18 - 225 - HXX	PX - 18 - 261 - FXX	PX - 18 - 324 - AXX	PX - 19 - 256 - GXX

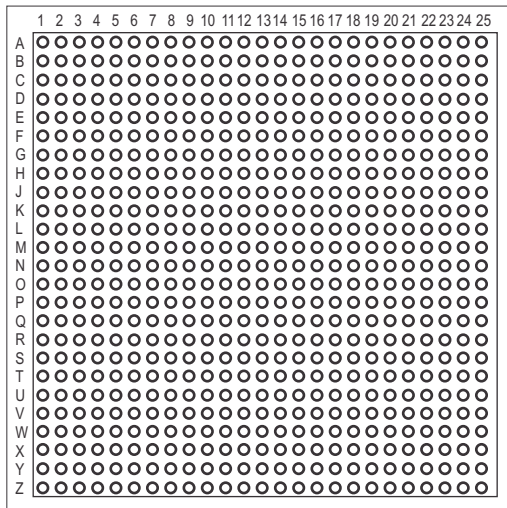
PIN GRID ARRAY SOCKETS STANDARD FOOT PRINTS

SERIES PGA

<p>19 x 19 281 Pins</p>  <p>PX - 19 - 281 - GXX</p>	<p>19 x 19 361 Pins</p>  <p>PX - 19 - 361 - AXX</p>	<p>20 x 20 299 Pins</p>  <p>PX - 20 - 299 - AXX</p>	
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PIN GRID ARRAY SOCKETS CUSTOM GRID DESIGN

If the desired footprint does not exist in this catalogue, please photocopy the page, complete it and send it to PROTECTRON



YOUR ADDRESS

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ORDERING INFORMATION

1. Type of PGA

2. Type of Pin

3. Plating

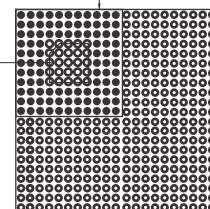
Insulator

4. Size of body

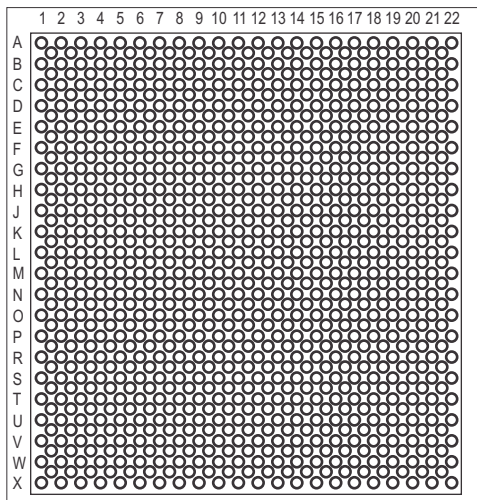
X

Example :

Fill in the
Position of pins
Mark of
the window



TOP VIEW



TECHNICAL SPECIFICATIONS FOR PLCC SOCKETS

Connector Parts	Materials & Finishes
Insulator Body	Polyphenylenedene Sulphide (PPS)
Contact	Copper alloy, tin plated over nickel.

Mechanical Properties

	Solder Tail Version	SMD Version
Mechanical life	50 cycles min.	25 cycles min.
Contact Pressure	1.5 N min. per contact	1.2 N min. per contact

Electrical Properties

	Solder Tail Version	SMD Version
Rated Current	2A	1A
Contact resistance	20 m Ω max.	20 m Ω max
Insulation resistance	5000 M Ω min.	5000 M Ω min.
Dielectric strength	600 VRMS min.	600 VRMS min.
Capacitance	2 Pf max.	2 Pf max.

Environmental Properties

Operating temperature range	:	-55° / +125° c
Vibration (No electrical discontinuity > 1 micro sec)	:	10 to 2000 Hz, 15g.

PLASTIC LEADED CHIP CARRIER SOCKETS SOLDER TAIL

PLCC Series

Features

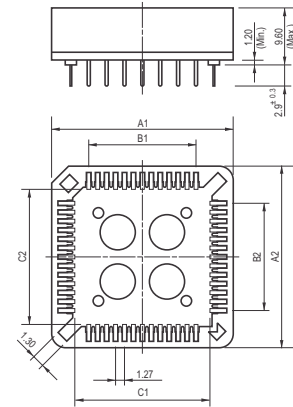
- Polarizing feature for chip and socket insertion
- High reliability contacts
- Slots in insulator allow use of extraction tool
- Board stand-off for easy cleaning
- Holds chip in place by positive springs action



No. of Pins	A ₁ Max	A ₂ Max	B1	B2	C1 Max	C2 Max	Part No.
20	15.56	15.56	5.08	5.08	9.38	9.38	PLC-02-020-1-1
28	18.30	18.30	7.62	7.62	11.92	11.92	PLC-02-028-1-1
32	18.75	21.30	7.62	10.16	11.92	14.46	PLC-02-032-1-1
44	23.50	23.50	12.70	12.70	17.00	17.00	PLC-02-044-1-1
52	25.90	25.90	15.24	15.24	19.54	19.54	PLC-02-052-1-1
68	31.80	31.80	20.32	20.32	24.62	24.62	PLC-02-068-1-1
84	36.88	36.88	25.40	25.40	29.70	29.70	PLC-02-084-1-1

For PCB Hole pattern refer page 149

All Dimensions are in mm



SOCKET PIN LAYOUT & SOCKET DIMENSIONS

PLASTIC LEADED CHIP CARRIER SOCKETS SURFACE MOUNTED

PLCC Series

Features

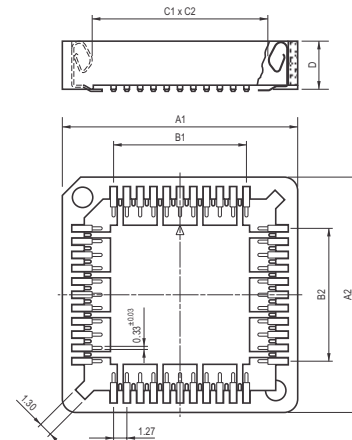
- PLCC sockets with SMD terminations come with square sizes for IC-packages according to JEDEC MO-047, rectangular size (32) according to JEDEC MO-052 = low profile.
- SMD tail width 0.33 mm.
- Guaranteed coplanarity tolerance of SMD terminations max. 0.10 mm.
- Parts with 2 positioning pegs also offered on request.



No. of Pins	A ₁ Max	A ₂ Max	B1	B2	C1 Max	C2 Max	D	Part No.
20	15.65	15.65	5.08	5.08	9.38	9.38	4.60	PLC-02-020-2-1
28	18.18	18.18	7.62	7.62	11.92	11.92	4.60	PLC-02-028-2-1
32	18.23	20.75	7.62	10.16	11.92	14.46	4.50	PLC-02-032-2-1
44	23.28	23.28	12.70	12.70	17.00	17.00	4.60	PLC-02-044-2-1
52	25.84	25.84	15.24	15.24	19.54	19.54	4.60	PLC-02-052-2-1
68	30.95	30.95	20.32	20.32	24.62	24.62	4.60	PLC-02-068-2-1
84	36.00	36.00	25.40	25.40	29.70	29.70	4.60	PLC-02-084-2-1

For PCB Foot Prints refer page 150

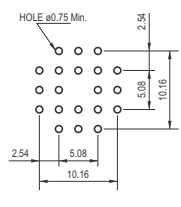
All Dimensions are in mm



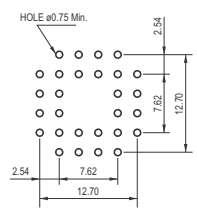
SOCKET PIN LAYOUT & SOCKET DIMENSIONS

PLASTIC LEADED CHIP CARRIER SOCKETS SOLDER TAIL

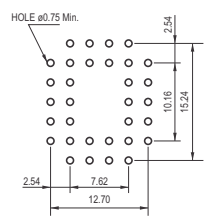
PLCC SOCKETS



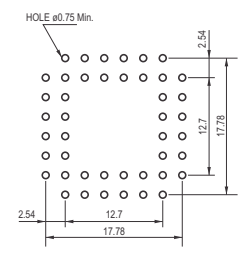
20 Pins



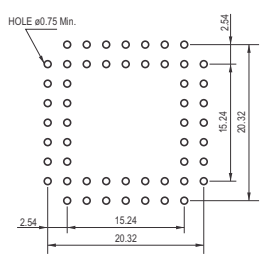
28 Pins



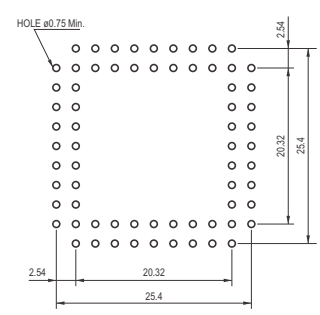
32 Pins



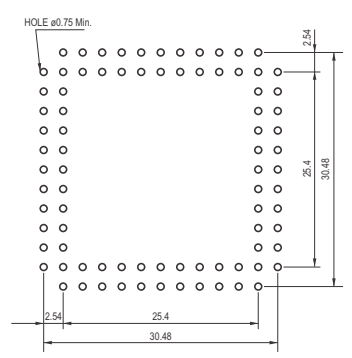
44 Pins



52 Pins



68 Pins

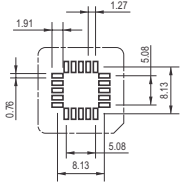


84 Pins

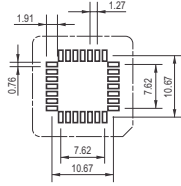
PCB hole patterns - through board type

PLASTIC LEADED CHIP CARRIER SOCKETS SURFACE MOUNTED

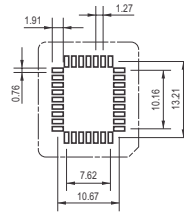
PLCC SOCKETS



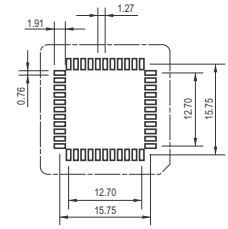
20 Pins



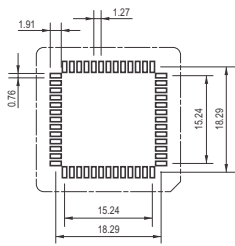
28 Pins



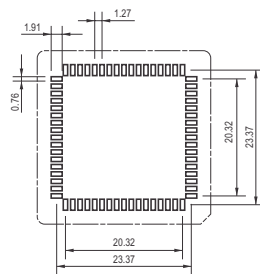
32 Pins



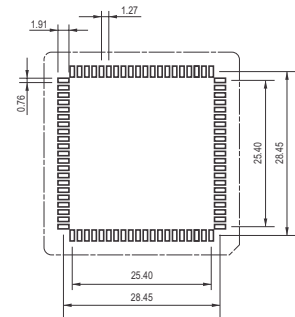
44 Pins



52 Pins



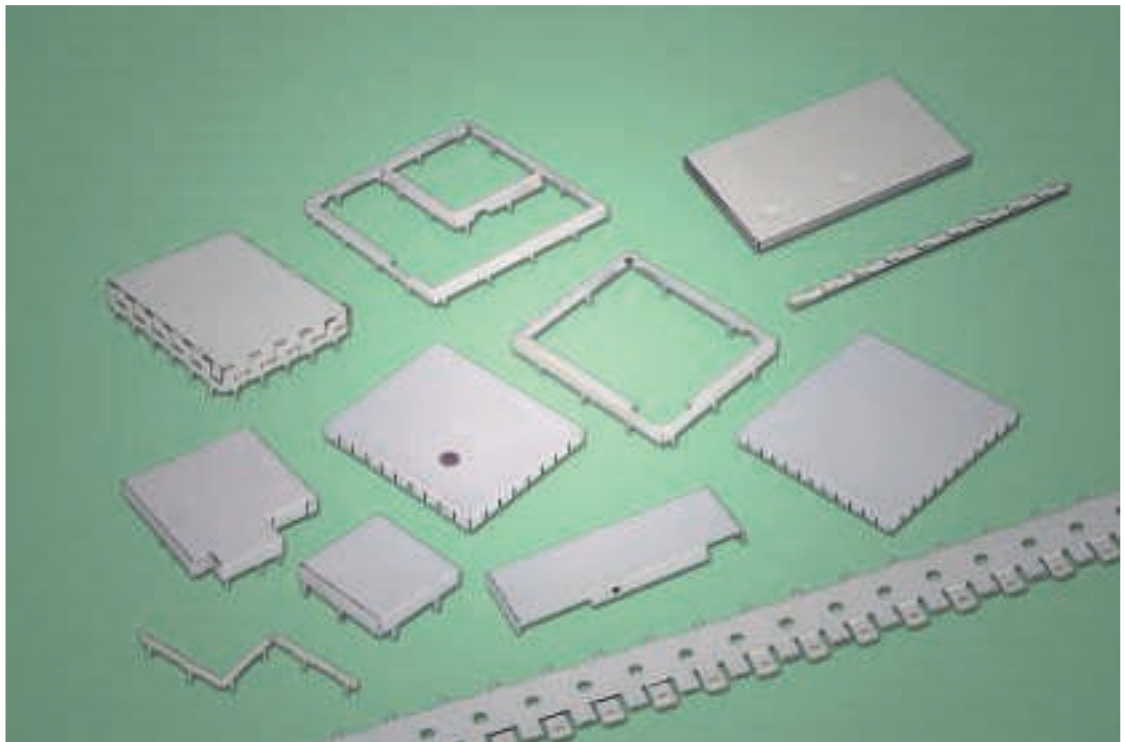
68 Pins



84 Pins

PCB Foot prints - SMD type

CIRCUIT BOARD COMPONENT SHIELDING



STYLE CBS CIRCUIT BOARD COMPONENT SHIELDING

Standard Sizes

- ! Sizes from 0.50" x 0.50" to 12.0" x 24.0" (12.7 x 12.7 to 304.8 x 609.6).
- ! Includes Squares, Rectangles & Odd Shapes formed at 0.25" (6.35) increments.
- ! Height sizes from 0.13" to 2.0" (3.3 to 50.8).
- ! Other sizes available, please consult factory.

!Features

- ! Covers can be easily removed allowing component accessibility.
- ! Fences are notched for hand forming, or can be supplied formed and assembled from the factory.

!

!Standard Options

- ! Fences available with mounting pins spaced 0.25", 0.50" or 1.0" (6.35, 12.7 or 25.4).
- ! Fences available with or without 0.010" (0.25) to 0.05" (1.27) board standoffs.
- ! Dimples are available upon request to secure the cover to the fence where severe vibration or shock is a factor.
- ! Fences can be formed for surface mount applications.



Material & Finish

- Cover : Brass/CRCA, Nickel/Tin Plated
 Fence : Phosphor Bronze/CRCA, Nickel/Tin Plated

P10-CBS Series

Style	Fig	Height A	Pin Spacing B	Standoffs C	Pin length D
P14S	1	0.13 (3.3)	0.50 (12.7)	N/A	0.10 (2.54)
P14S1	1	0.13 (3.3)	0.50 (12.7)	N/A	0.05 (1.27)
P18S	1	0.13 (3.3)	0.50 (12.7)	N/A	0.13 (3.3)

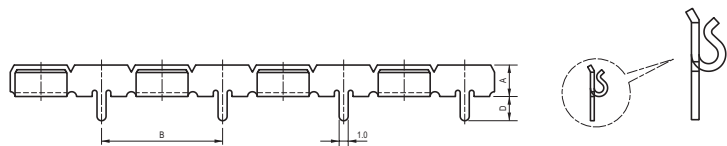


Figure 1

Figure: 0.50" pin spacing, No standoff

P20-SMT CBS Series

Style	Fig	Height A	Pad Spacing B	Standoffs C	Pad length D
P20S	1	0.20 (5.08)	0.50 (12.7)	N/A 1.9 x 5.33	0.075 x 0.210

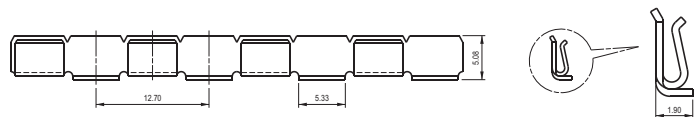


Figure 1

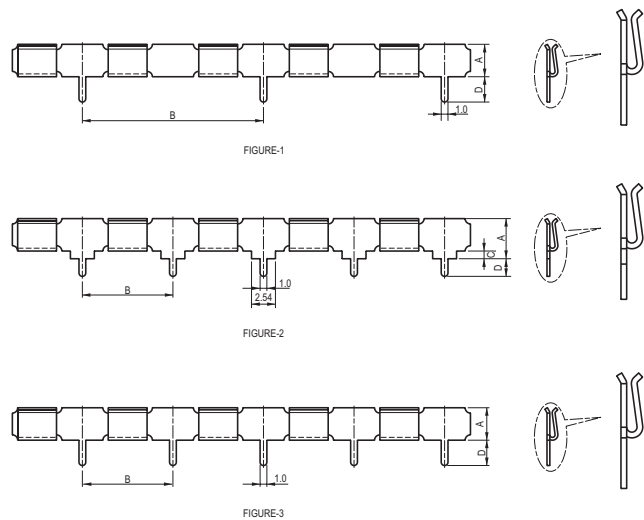
Figure: 0.50" pad spacing, No standoff

P20-CBS SERIES

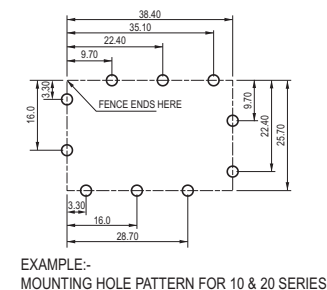
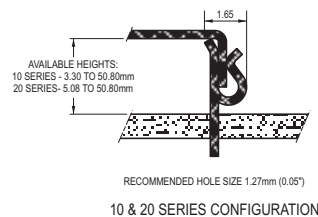
Style	Fig	Height A	Pin Spacing B	Standoffs C	Pin length D
P21S	2	0.225 (5.72)	0.50 (12.7)	0.025 (0.64)	0.10 (2.54)
P22S	1	0.20 (5.08)	1.0 (25.4)	N/A	0.10 (2.54)
P23S	2	0.25 (6.35)	0.50 (12.7)	0.05 (1.25)	0.10 (2.54)
P24S	3	0.20 (5.08)	0.50 (12.7)	N/A	0.10 (2.54)
P25S	2	0.20 (5.08)	1.0 (25.4)	0.025 (0.64)	0.10 (2.54)
P29S	3	0.20 (5.08)	0.50 (12.7)	N/A	0.13 (3.3)

Figure: 1 - 1.0" pin spacing, no standoff
 2 - 0.50" pin spacing, with standoff
 3 - 0.50" pin spacing, no standoff

All Dimensions in inches and (mm)



P10 & P20 SERIES CONFIGURATION



ORDERING INFORMATION

When ordered for cover only PXXX-XX-00			When ordered for Fence only PXXX-00-XX		
PXXX	X	X 00	PXXX	00	X X
Style	Material	Plating	Style	Material	Plating
Refer Page 100, 101	1=Brass 2=Phosphor Bronze 6=CRCA	8=5μ Nickel 9=5μ Tin	Refer Page 100, 101	1=Brass 2=Phosphor Bronze 6=CRCA	8=5μ Nickel 9=5μ Tin

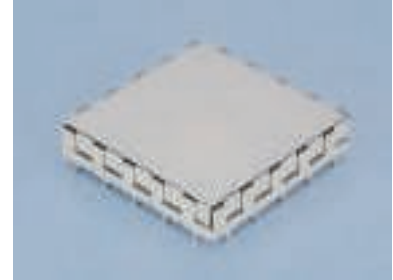
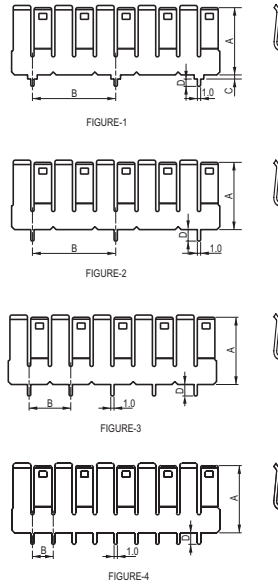
Please Specify:

1. Dimples for positive locking
2. How parts are to be supplied:
 - Fence and Formed Cover
 - Formed Fence, Formed Cover, Unassembled
 - Assembled Fence and Cover
 - Formed For Surface Mount
3. Custom Designed Cover & Fence also available on request

P40-CBS Series

Style	Fig	Height A	Pin Spacing B	Standoffs C	Pin length D
P42S	2	0.40 (10.16)	1.0 (25.4)	N/A	0.12 (3.05)
P44S	3	0.40 (10.16)	0.50 (12.7)	N/A	0.12 (3.05)
P45S	1	0.40 (10.16)	1.0 (25.4)	0.01 (0.25)	0.12 (3.05)
P47S	1	0.40 (10.16)	1.0 (25.4)	0.01 (0.25)	0.15 (3.81)
P48S	3	0.40 (10.16)	0.50 (12.7)	N/A	0.15 (3.81)
P49S	4	0.40 (10.16)	0.25 (6.35)	N/A	0.12 (3.05)

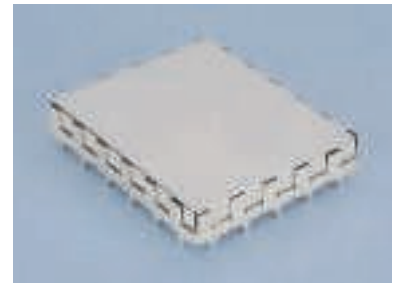
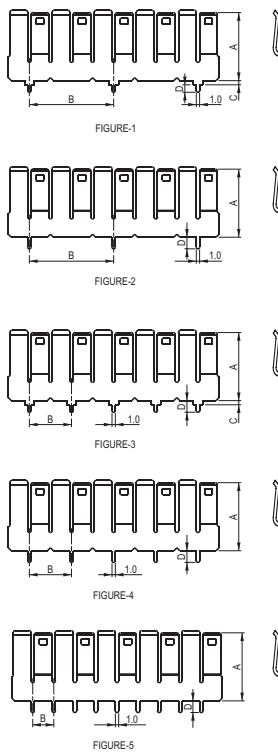
Figure: 1 - 1.0" pin spacing, with standoff
 2 - 1.0" pin spacing, no standoff
 3 - 0.50" pin spacing, no standoff
 4 - 0.25" pin spacing, no standoff



50-CBS Series

Style	Fig	Height A	Pin Spacing B	Standoffs C	Pin length D
P51S	1	0.50 (12.7)	1.0 (25.4)	0.05 1.37	0.12 (3.05)
P52S	2	0.50 (12.7)	1.0 (25.4)	N/A	0.12 3.05
P53S	3	0.50 (12.7)	0.50 (12.7)	0.05 (1.27)	0.12 (3.05)
P53S1	3	0.50 (12.7)	0.50 (12.7)	0.05 (1.27)	0.06 (1.53)
P54S	4	0.50 (12.7)	0.50 (12.7)	N/A	0.12 (3.05)
P55S	1	0.50 (12.7)	1.0 (25.4)	0.01 (0.25)	0.12 (3.05)
P56S	1	0.50 (12.7)	1.0 (25.4)	0.05 (1.27)	0.15 (3.81)
P57S	1	0.50 (12.7)	1.0 (25.4)	0.01 (0.25)	0.15 (3.81)
P58S	4	0.50 (12.7)	0.50 (12.7)	N/A	0.15 (3.81)
P59S	5	0.50 (12.7)	0.25 (6.35)	N/A	0.12 (3.05)

Figure: 1 - 1.0" pin spacing, with standoff
 2 - 1.0" pin spacing, no standoff
 3 - 0.50" pin spacing, with standoff
 4 - 0.50" pin spacing, no standoff
 5 - 0.25" pin spacing, no standoff



P80-CBS Series

Style	Fig	Height A	Pin Spacing B	Standoffs C	Pin length D
P81S	1	0.80 (20.3)	1.0 (25.4)	0.05 (1.27)	0.12 (3.05)
P82S	2	0.80 (20.3)	1.0 (25.4)	N/A	0.12 (3.05)
P83S	3	0.80 (20.3)	0.50 (12.7)	0.05 (1.27)	0.12 (3.05)
P83S1	3	0.80 (20.3)	0.50 (12.7)	0.05 (1.27)	0.06 (1.53)
P84S	4	0.80 (20.3)	0.50 (12.7)	N/A	0.12 (3.05)
P85S	1	0.80 (20.3)	1.0 (25.4)	0.01 (0.25)	0.12 (3.05)
P86S	1	0.80 (20.3)	1.0 (25.4)	0.05 (1.27)	0.15 (3.81)
P87S	1	0.80 (20.3)	1.0 (25.4)	0.01 (0.25)	0.15 (3.81)
P88S	4	0.80 (20.3)	0.50 (12.7)	N/A	0.15 (3.81)
P89S	5	0.80 (20.3)	0.25 (6.35)	N/A	0.12 (3.05)

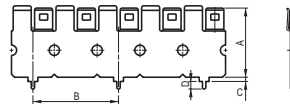


FIGURE-1

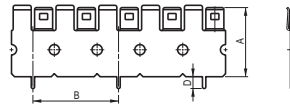


FIGURE-2

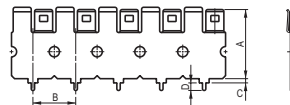


FIGURE-3

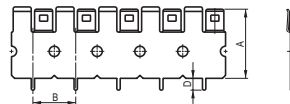


FIGURE-4

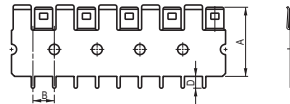


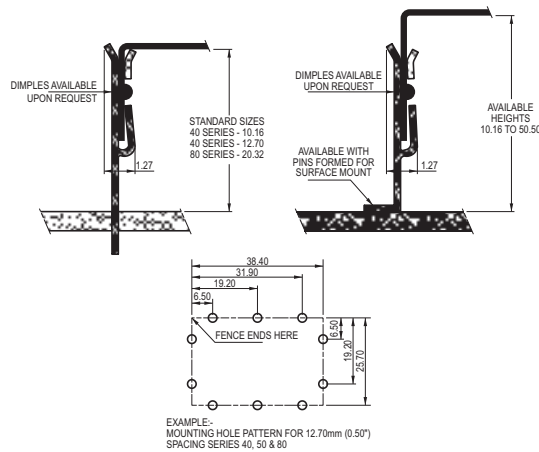
FIGURE-5



- Figure: 1 - 1.0" pin spacing, with standoff
 2 - 1.0" pin spacing, no standoff
 3 - 0.50" pin spacing, with standoff
 4 - 0.50" pin spacing, no standoff
 5 - 0.25" pin spacing, no standoff

All Dimensions in inches and (mm)

P40, P50 & P80 Series Configuration



When ordered for cover only PXXX-XX-00			When ordered for Fence only PXXX-00-XX		
PXXX	X	X 00	PXXX	00	X X
Style	Material	Plating	Style	Material	Plating
Refer Page 102, 103	1=Brass 2=Phosphor Bronze 6=CRCA	8=5μ Nickel 9=5μ Tin	Refer Page 102, 103	1=Brass 2=Phosphor Bronze	8=5μ Nickel 9=5μ Tin 6=CRCA

Please Specify:

1. Dimples for positive locking
2. How parts are to be supplied:
 - Fence and Formed Cover
 - Formed Fence, Formed Cover, Unassembled
 - Assembled Fence and Cover
 - Formed for Surface Mount
3. Custom Designed Cover & Fence available on request

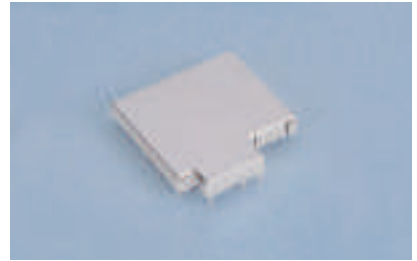
Custom Designed CBS



PA Shield



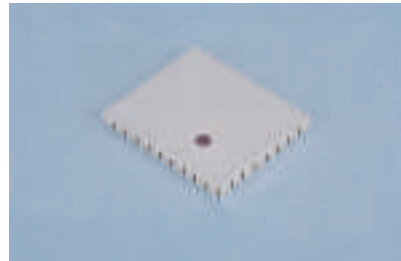
VCO Shield with Lugs



Shield Cover



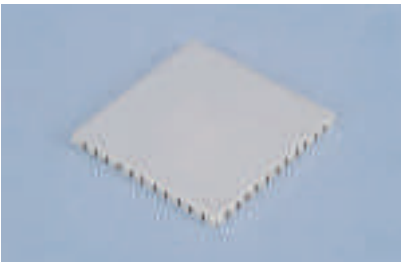
RF Shield Fence Z Type



AD 6411 Shield Cover



AD 6411 Shield Fence



RF Front End Shield Cover



RF Front End Shield Fence

Description	Part Number
PA Shield	PAS1-18-00
VCO Shield with Lugs	PVCOA18-00
Shield Cover	PACC-18-00
RF Shield Fence Z Type	P14S-00-28-S
AD 6411 Shield Cover	PADSC-28-00
AD 6411 Shield Fence	PADSF-00-18
RF Front End Shield Cover	PRFSC-28-00
RF Front End Shield Fence	PRFSF-00-18