



DESCRIPTION : USB C TYPE CONNECTOR, 16PIN WATER PROOF
IP68 (FOR 1mm PCB)

PART NO: P7072CW-16-2



RoHS



PHYSICAL DATA

INSULATOR	:	LCP, UL94V-0, BLACK COLOR
CONTACT	:	COPPER ALLOY, GOLD FLASH PLATING (30 μ ")
SHELL	:	STAINLESS STEEL , NICKEL PLATED

ELECTRICAL DATA

CURRENT RATING	:	3A
VOLTAGE RATING	:	30VAC
INSULATION RESISTANCE	:	100M OHMS MIN
CONTACT RESISTANCE	:	40m OHMS MAX

MECHANICAL DATA

MATING FORCE	:	5N ~ 20N
UN MATING FORCE	:	8N ~ 20N
DURABILITY	:	10,000 CYCLES

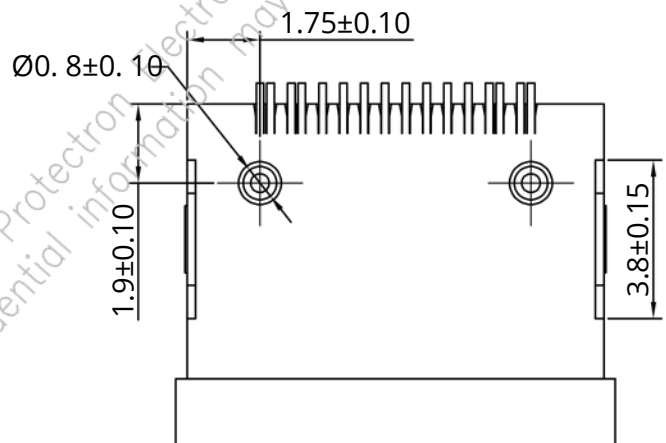
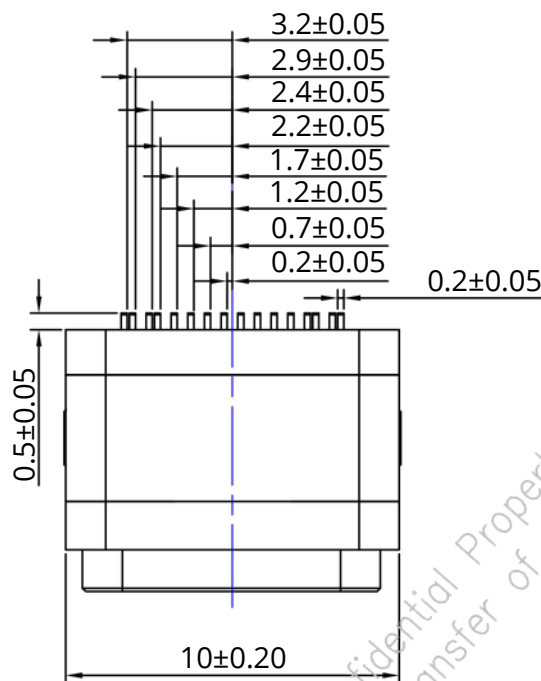
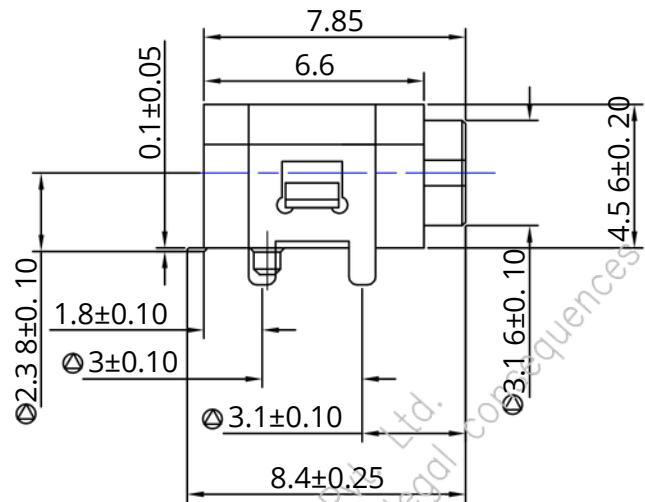
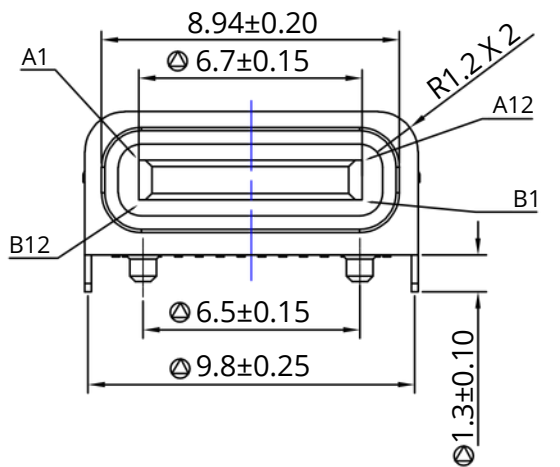
ENVIRONMENTAL DATA

OPERATING TEMPERATURE	:	-30°C to +85°C
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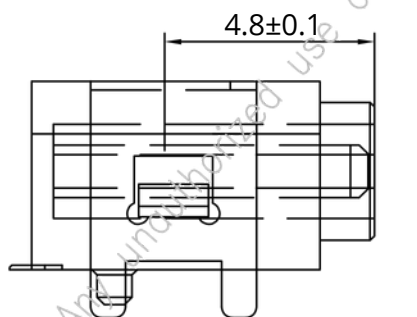


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ENLARGED BOTTOM VIEW WITH GASKET



MATING PART INSERTION

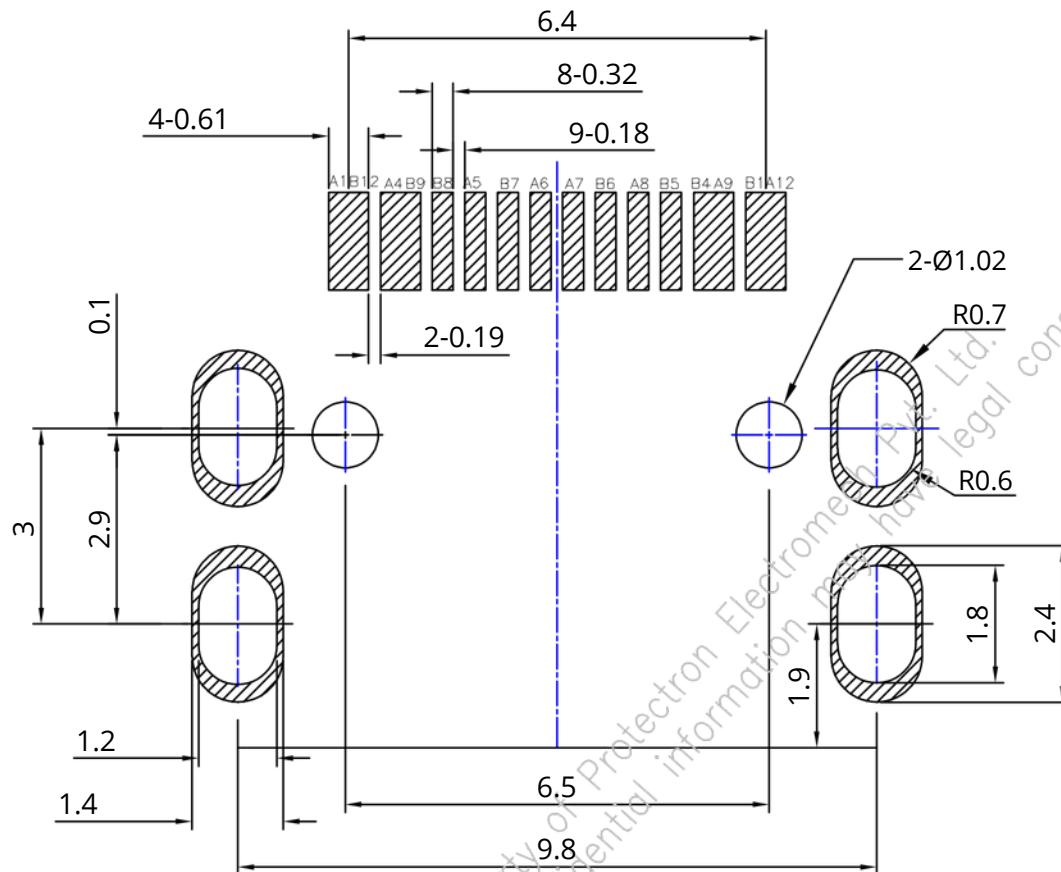
NOTE

⊙ SYMBOL REPRESENTS CRITICAL DIMENTION

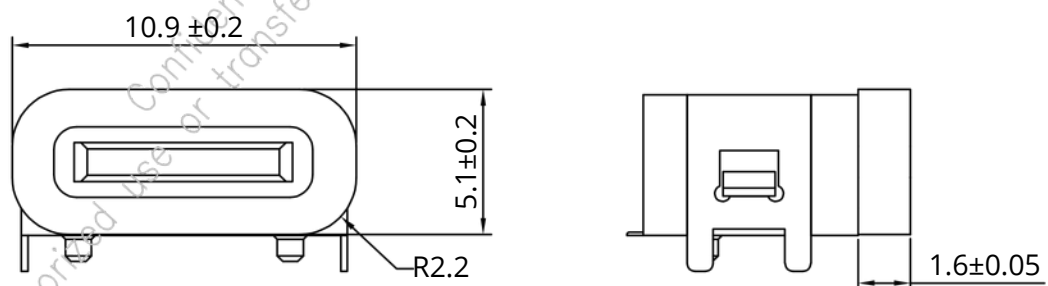
USB TYPE-C FULL-FEATURED RECEPTACLE INTERFACE PIN ASSIGNMENTS					
PIN SIGNAL	NAME	DESCRIPTION	PIN	SIGNAL NAME	DESCRIPTION
A1	GND	GROUND RETURN	B12	GND	GROUND RETURN
A4	VBUS	BUS POWER	B9	VBUS	BUS POWER
A5	CC1	CONFIGURATION CHANNEL	B8	SBU2	SIDEBAND USE (SBU)
A6	DP1	POSITIVE HALF OF THE USB 2.0 DIFFERENTIAL PAIR-POSITION 1	B7	DN2	NEGATIVE HALF OF THE USB2.0 DIFFERENTIAL PAIR-POSITION 2
A7	DN1	NEGATIVE HALF OF THE USB 2.0 DIFFERENTIAL PAIR-POSITION 1	B6	DP2	POSITIVE HALF OF THE USB 2.0 DIFFERENTIAL PAIR-POSITION 2
A8	SBU1	SIDEBAND USE(SBU)	B5	CC2	CONFIGURATION CHANNEL
A9	VBUS	BUS POWER	B4	VBUS	BUS POWER
A12	GND	GROUND RETURN	B1	GND	GROUND RETURN

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RECOMMENDED PCB LAYOUT (FOR 1mm PCB)
(TOLERANCE ± 0.05)



GASKET DETAILS

Projection:



Scale: NTS

Sht. Size: A4

Gen. Tol.: $\pm 0.20\text{mm}$
 $\pm 2^\circ$

ALL DIMENSIONS ARE IN MM.
IF UNLESS OTHERWISE SPECIFIED.