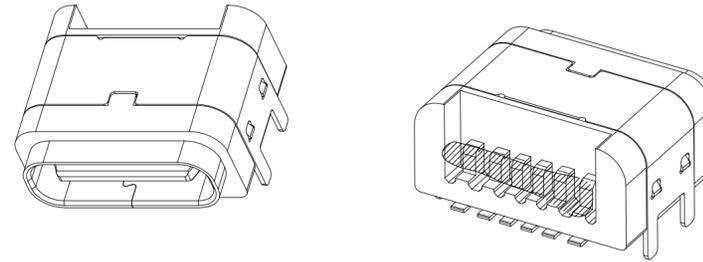
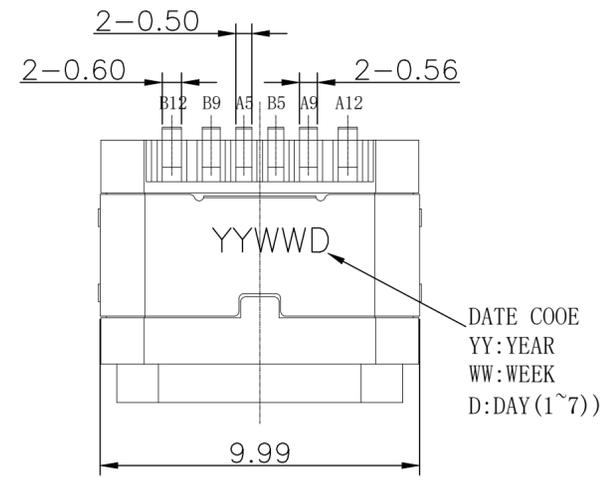


REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
A		RELEASED PER ECN-25-303637	25JAN2025	TR	RCG



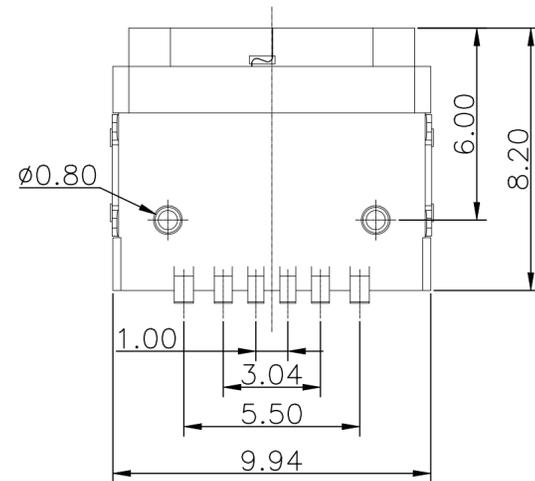
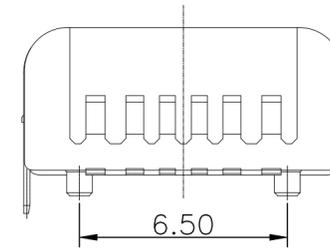
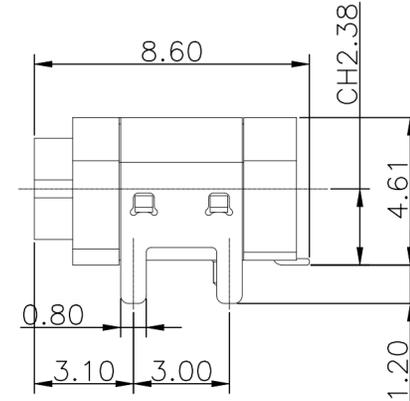
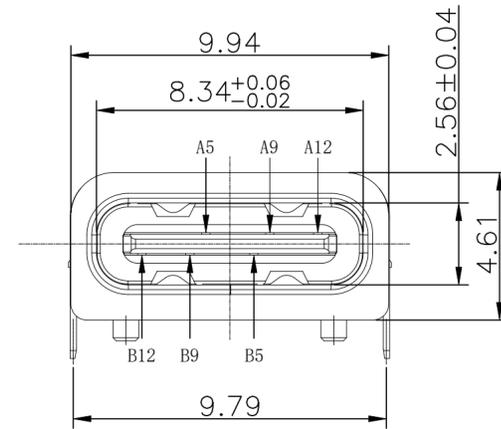
**NOTE:**

**1.ELECTRICAL PERFORMANCE:**

- 1-1. Current Rating:3 A
- 1-2. Voltage Rating:20V DC/AC (RMS. MAX)
- 1-3. LLCR:.  
VBUS & GND pins and other pins: 40mΩ/pin Max.  
Shield:50mΩ/MAX.  
LLCR Max. change of all pins: 10 mΩ.
- 1-4.Insulation Resistance: 100MΩ Min
- 1-5.Dielectric Withstand Voltage,AC 100V For 1 minute.

**2.MECHANICAL PERFORMANCE:**

- 2-1.Insertion Force: 5~20N.
- 2-2.Extraction Force: 8~20N.
- 2-3.Durability: 10000 Cycles.
- 3.Environmental Performance:  
Operating Temperature: -40°C ~ +85°C.
- 4.IR Reflow:  
The peak temperature on the board shall be maintained for 10 seconds at 260°C.
- 5.Compliance with RoHS requirements.
- 6.Water proofness:This product is based on IP-X7.

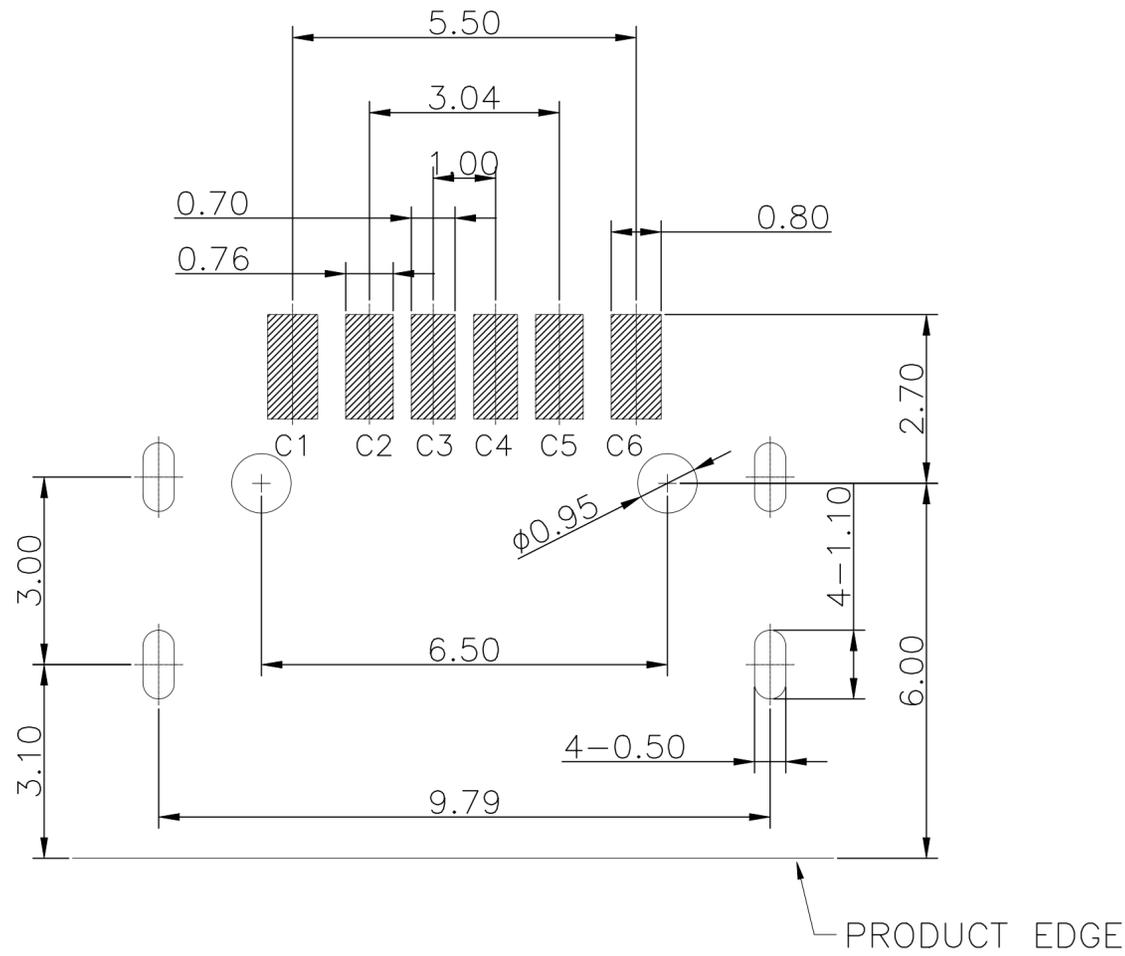


PIN NO	A1&B12	A4&B9	A5	B5	A9&B4	A12&B1
SIGNAL NAME	GND	VBUS	CC1	CC2	VBUS	GND
PCB PAD NO.	C1	C2	C3	C4	C5	C6

NO.	DESCRIPTION	MATERIAL	REMARKS	QTY
8	WATERPROOF GLUE	EPOXY GLUE	BLACK	---
7	O-RING	SILICONE RUBBER	BLACK 60A	1PCS
6	OUT SHELL	STAINLESS STEEL SUS304 T=0.30mm	NI30u"MINPlated	1PCS
5	INSIDE SHELL	STAINLESS STEEL SUS304 T=0.20mm	NI30u"MINPlated	1PCS
4	SHIELDING PLATE	STAINLESS STEEL SUS301 T=0.15mm	--	1PCS
3	CONTACT	COPPER ALLOY C2680 T=0.20mm	Mating area: Au 1u"Min Solder Tails: Sn 50u"Min	1SET
2	SHELL HOUSING	HIGH TEMPERATURE PLASTIC LCP UL94V-0	BLACK	1PCS
1	HOUSING	HIGH TEMPERATURE PLASTIC LCP UL94V-0	BLACK	1PCS

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TARUN, R 26NOV2024	TE Connectivity	
DIMENSIONS: mm [INCHES]		CHK NAIR, SREE KUMAR 27NOV2024		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD RAGHAVAN, CG 27NOV2024	NAME USB TYPE C RECEPTACLE 6P WATERPROOF	
0 PLC ± - 1 PLC ± 0.25 2 PLC ± 0.15 3 PLC ± 0.08 4 PLC ± - ANGLES ± 2°		PRODUCT SPEC 108-161694	SIZE A2	CAGE CODE 00779
MATERIAL -		FINISH -	WEIGHT -	DRAWING NO C=2495702
CUSTOMER DRAWING			SCALE 1:1	SHEET 1 OF 3

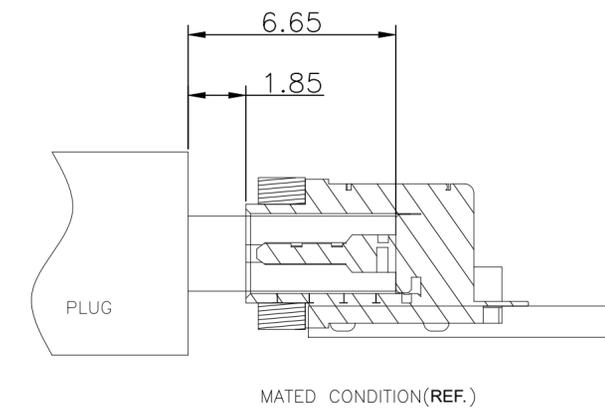
P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	SEE SHEET 1	-	-	-



RECOMMEND P.C.B LAYOUT(COMPONENT SIDE)

TOLERANCE FOR PCB LAYOUT IS ±0.05

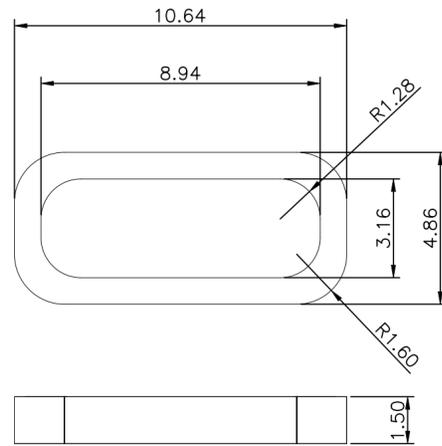
SCALE:2:1



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TARUN, R 26NOV2024		
DIMENSIONS: mm [INCHES]		CHK NAIR, SREE KUMAR 27NOV2024		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD RAGHAVAN, CG 27NOV2024	NAME USB TYPE C RECEPTACLE 6P WATER PROOF	
0 PLC ± - 1 PLC ± 0.25 2 PLC ± 0.15 3 PLC ± 0.08 4 PLC ± - ANGLES ± 2°		PRODUCT SPEC 108-161694	SIZE A2	CAGE CODE 00779
MATERIAL		WEIGHT -	DRAWING NO C=2495702	RESTRICTED TO -
FINISH		CUSTOMER DRAWING		SCALE 1:1 SHEET 2 OF 3 REV A

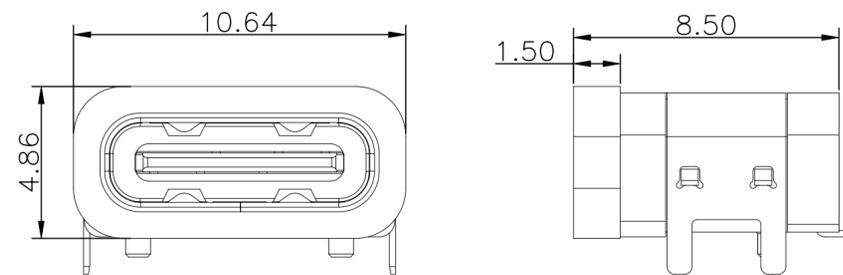
P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	SEE SHEET 1	-	-	-

### O-ring drawing

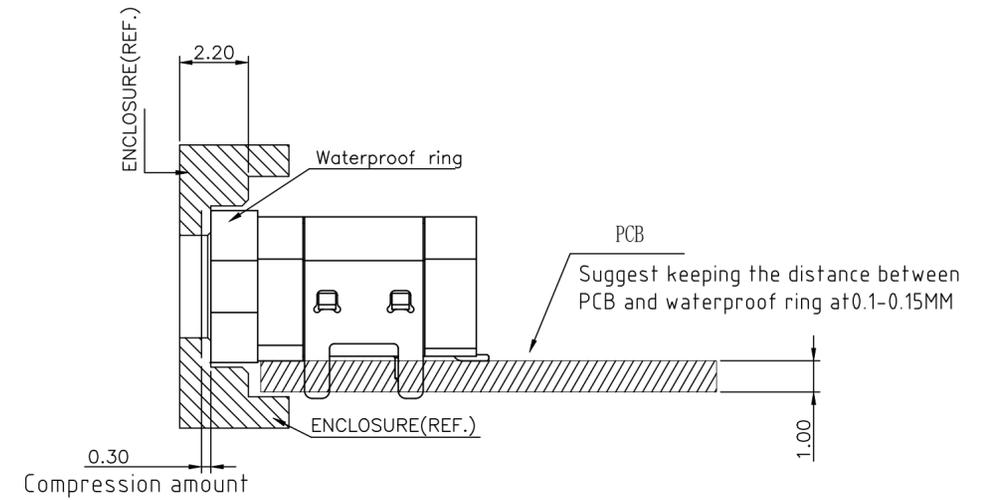
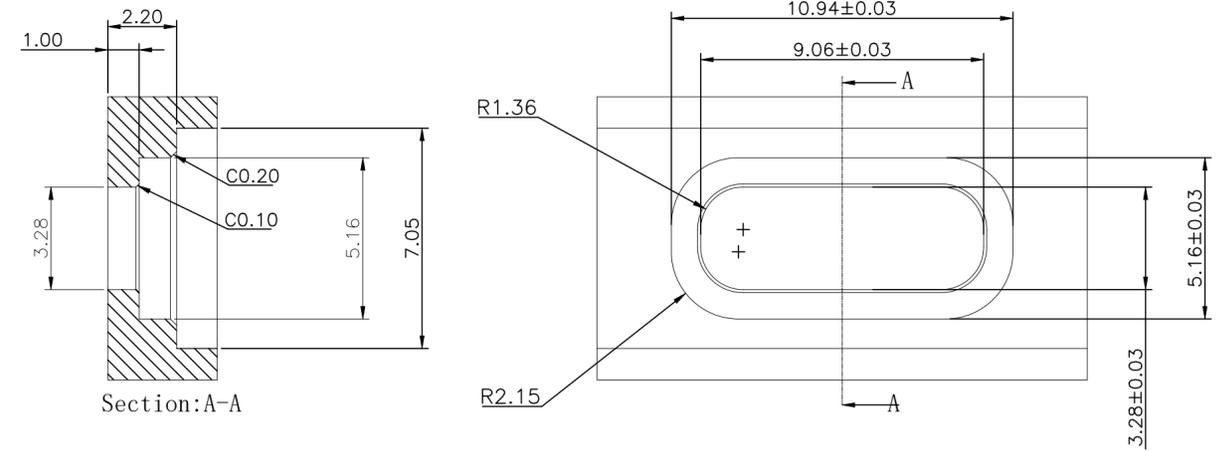


- 1.MATERIAL:silicone
- 2.Hardness:60A
- 3.color:black

### Assembly diagram



### Recommended sealing method



### RECOMMENDED SCHEMATIC DRAWING OF CONNECTOR MATCH CHASSIS

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TARUN, R 26NOV2024			
DIMENSIONS: mm [INCHES]		CHK NAIR, SREE KUMAR 27NOV2024			
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD RAGHAVAN, CG 27NOV2024	NAME USB TYPE C RECEPTACLE 6P WATERPROOF		
0 PLC ± -		PRODUCT SPEC 108-161694	SIZE A2	CAGE CODE 00779	DRAWING NO C=2495702
1 PLC ± 0.25		APPLICATION SPEC 114-161278	RESTRICTED TO -		
2 PLC ± 0.15		MATERIAL -	SCALE 1:1	SHEET 3 OF 3	REV A
3 PLC ± 0.08		FINISH -	CUSTOMER DRAWING		
4 PLC ± -					
ANGLES ± 2°					