

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

NOTE:

1. ELECTRICAL CHARACTERISTICS:

- 1-1: CURRENT RATING: 5A
- 1-2: VOLTAGE RATING: 20V DC/AC (RMS. MAX)
- 1-3: LLCR: .

VBUS & GND PINS AND OTHER PINS: 40mΩ/PIN MAX.

SHIELD: 50mΩ/MAX.

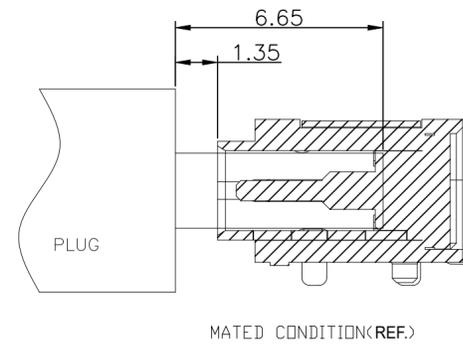
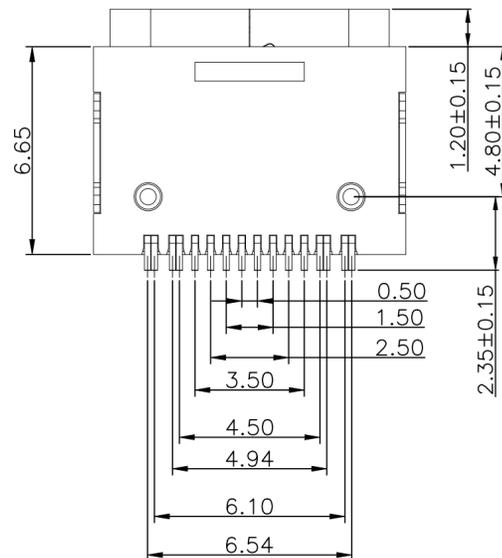
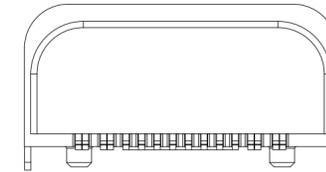
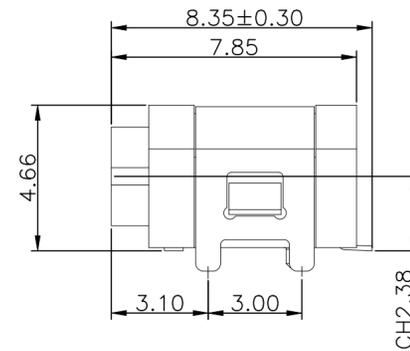
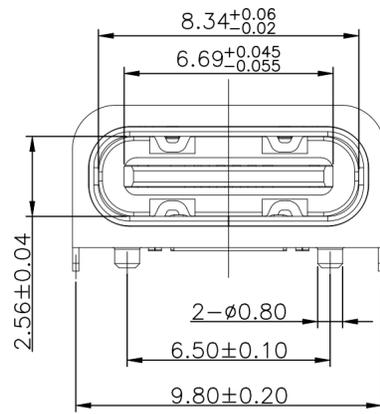
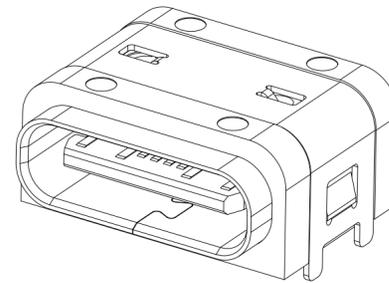
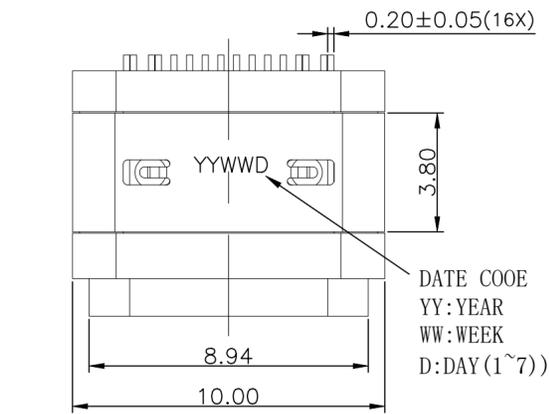
LLCR MAX. CHANGE OF ALL PINS: 10mΩ.

- 1-4: INSULATION RESISTANCE: 100MΩ MIN
- 1-5: DIELECTRIC WITHSTANDING VOLTAGE: 100V AC MIN

2: MECHANICAL CHARACTERISTICS:

- 2-1: MATING FORCE: 5~20N
- 2-2: UNMATING FORCE: 8~20N (INITIAL),
6~20N (AFTER 10000 CYCLES)
- 2-3: FREQUENCY: 10000 CYCLES
- 2-4: OPERATING TEMPERATURE: -40°C ~ 85°C.

3. WATERPROOF: IPX7



PIN No.	A1			A4	A5	A6	A7	A8	A9			A12
SIGNAL NAME	GND			VBus	CC1	D+	D-	SBU1	VBus			GND
PIN No.	B12			B9	B8	B7	B6	B5	B4			B1
SIGNAL NAME	GND			VBus	SBU2	D-	D+	CC2	VBus			GND

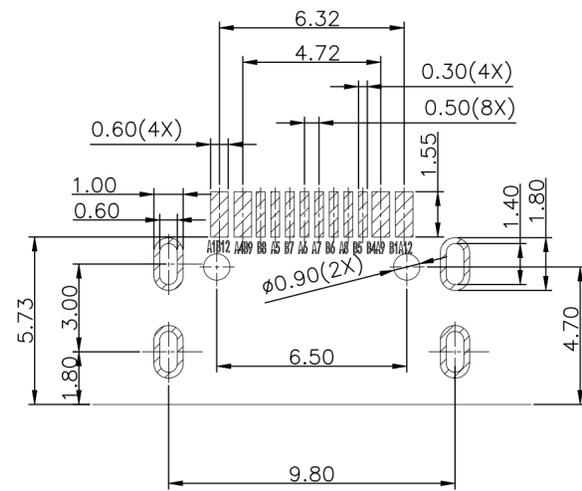
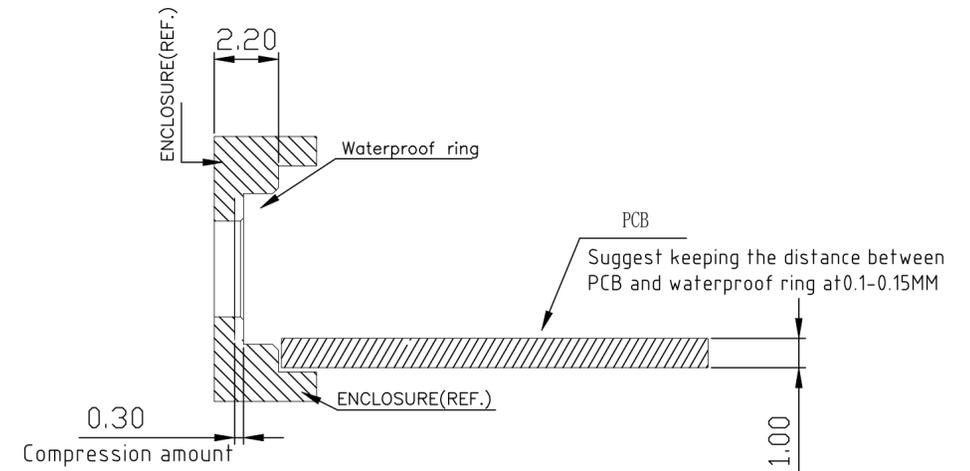
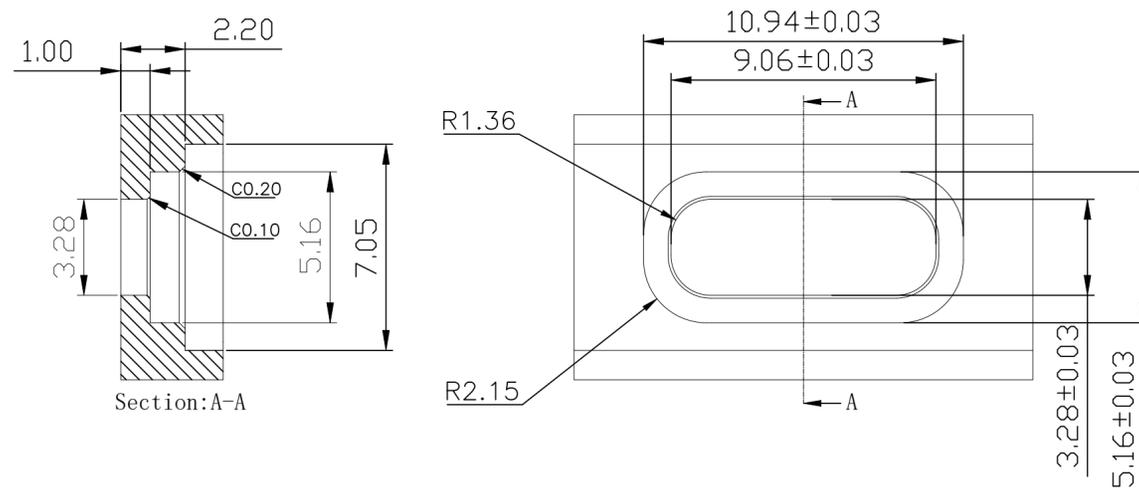
8	RUN-RING	1PCS	SILICA GEL	BLACK
7	GLUE	1PCS	EPDXY GLUE	BLACK
6	INSIDE SHELL	1PCS	STAINLESS STEEL SUS304 T=0.3MM	NI PLATED: 40U"MIN
5	OUT SHELL	1PCS	STAINLESS STEEL SUS304 T=0.2MM	NI PLATED: 40U"MIN
4	SHIELDING PLATE	1PCS	STAINLESS STEEL SUS301T=0.15MM	----
3	CONTACT	1SET	C7025 T=0.15MM	AU 1U" PLATED ON CONTACT AREA; AU GF PLATED ON SOLDER AREA; NICKEL 30U"MIN UNDERPLATING OVER ALL.
2	SHELL HOUSING	1PCS	PA46 UL94V-0	BLACK
1	HOUSING	1PCS	LCP UL94V-0	BLACK
NO	DESCRIPTION	QTY	MATERIAL	REMARKS

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm [INCHES]	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± - 1 PLC ± 0.25 2 PLC ± 0.15 3 PLC ± 0.08 4 PLC ± - ANGLES ± 2°	DWN TARUN, R 27NOV2024 CHK NAIR, SREE KUMAR 28NOV2024 APVD RAGHAVAN, CG 28NOV2024	NAME TE Connectivity
MATERIAL	FINISH	PRODUCT SPEC 108-161698 APPLICATION SPEC 114-161283	SIZE A2
		WEIGHT -	CAGE CODE 00779
		CUSTOMER DRAWING	DRAWING NO C=2495708
		SCALE 1:1	SHEET 1 OF 2
		RESTRICTED TO -	REV A

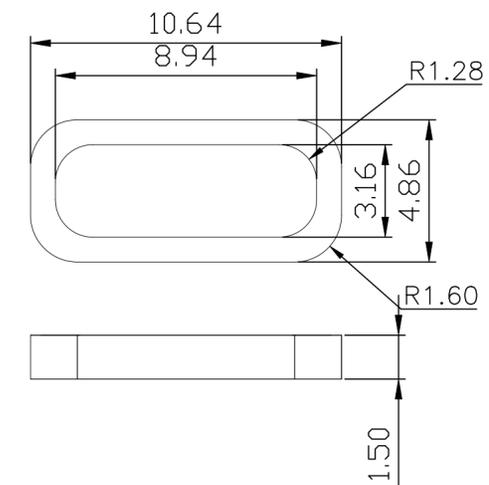
P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	SEE SHEET 1	-	-	-

Recommended sealing method



RECOMMENDED PCB LAYOUT
Tolerance: ±0.05mm

O-RING VIEW



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

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DIMENSIONS: mm [INCHES]		CHK NAIR, SREE KUMAR 28NOV2024					
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD RAGHAVAN, CG 28NOV2024	NAME USB TYPE C RECEPTACLE 16P WATERPROOF				
0 PLC ± - 1 PLC ± 0.25 2 PLC ± 0.15 3 PLC ± 0.08 4 PLC ± - ANGLES ± 2°		PRODUCT SPEC 108-161698	SIZE A2	CAGE CODE 00779	DRAWING NO C=2495708	RESTRICTED TO -	
MATERIAL -		FINISH -	WEIGHT -	SCALE 1:1		SHEET 2 OF 2	REV A
CUSTOMER DRAWING							