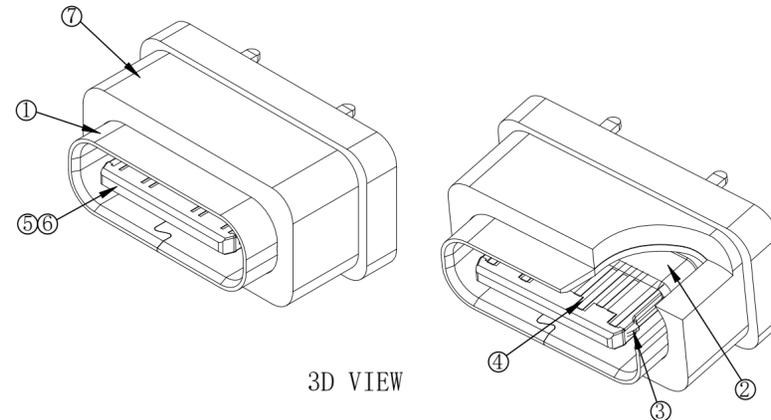
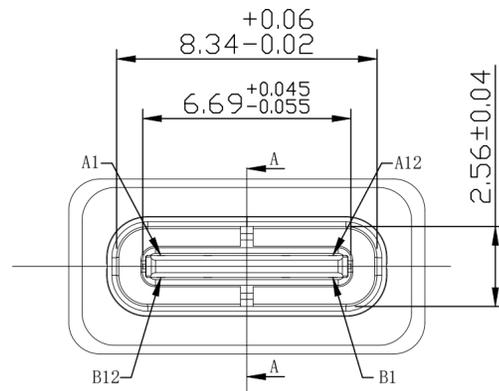


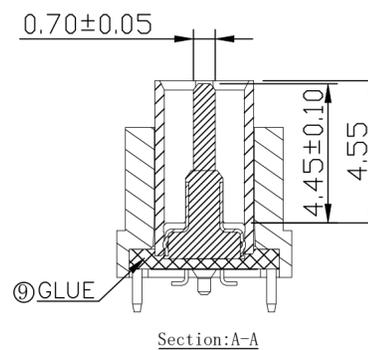
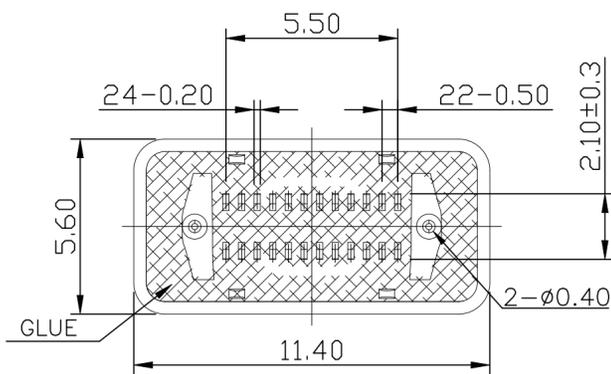
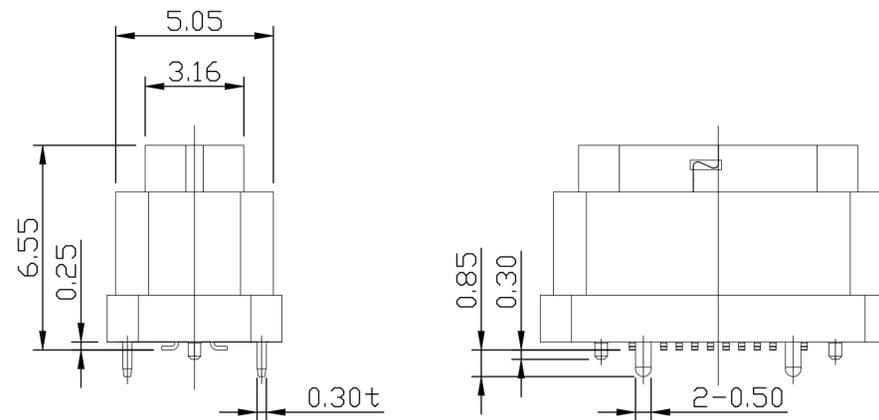
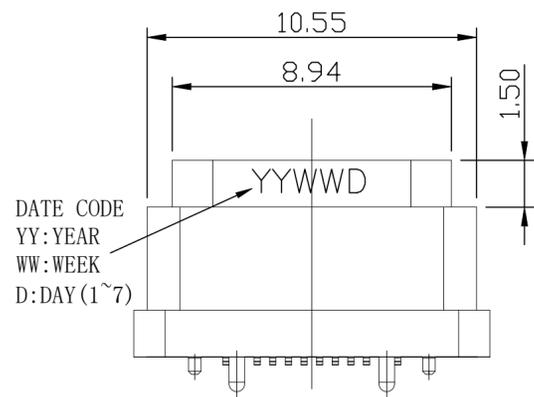
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
A	RELEASED PER	ECN-25-303637	25JAN2025	TR	RCG



3D VIEW

NOTE:

1. ELECTRICAL PERFORMANCE:
 - 1-1. CURRENT RATING: 5 AMPS. FOR TOTAL VBUS/GND PINS; 1.25 AMPS FOR CC PIN, 0.25 AMPS. FOR ALL OTHER CONTACT.
 - 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 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 PROOF : IP-X7.



Section: A-A

PIN No.	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12
SIGNAL NAME	GND	TX1+	TX1-	VBUS	CC1	D+	D-	SBU1	VBUS	RX2-	RX2+	GND

PIN No.	B12	B11	B10	B9	B8	B7	B6	B5	B4	B3	B2	B1
SIGNAL NAME	GND	RX1+	RX1-	VBUS	SBU2	D-	D+	CC2	VBUS	TX2-	TX2+	GND

NO	PART	Q'TY	Material
1	SHELL	1	STAINLESS STEEL 304, NI 30u" MIN PLATED
2	EMI Plate	1	STAINLESS STEEL 301, NI 30u" MIN PLATED
3	Mid Plate	1	STAINLESS STEEL 301, NO PLATED
4	CONTACT	24	COPPER STEEL C18400, CONTACT AREA: Au 3u" Min; SOLDER TAIL: G/F, OVER ALL: 50u" Min NI UNDERPLATED
5	1MD HOUSING	1	LCP BLACK UL94 V-0
6	2MD HOUSING	1	LCP BLACK UL94 V-0
7	PLASTIC SHELL	1	NYLON BLACK UL94 V-0
8	CAP	1	LCP BLACK UL94 V-0
9	GLUE		SILICONE

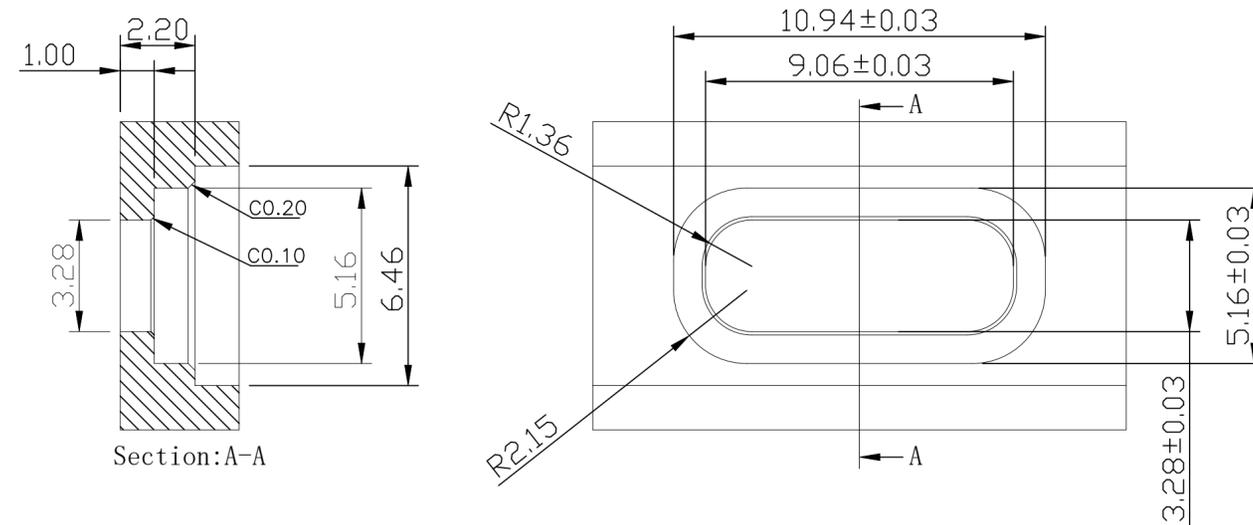
THIS DRAWING IS A CONTROLLED DOCUMENT.

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 28NOV2024 CHK NAIR, SREEKUMAR 28NOV2024 APVD RAGHAVAN, CG 28NOV2024	NAME RAGHAVAN, CG	PRODUCT SPEC 108-161702	APPLICATION SPEC 114-161287	SIZE A2	CAGE CODE 00779	DRAWING NO C=2495712	RESTRICTED TO -
MATERIAL -	FINISH -	WEIGHT -	CUSTOMER DRAWING	SCALE 1:1	SHEET 1 of 2	REV A			

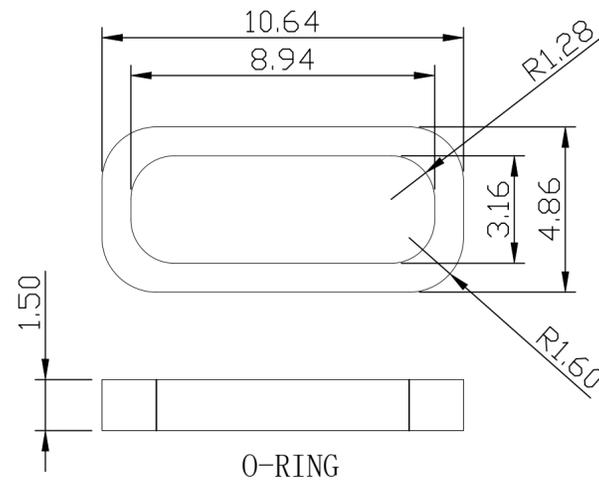
TE Connectivity
USB TYPE C RECEPTACLE 24P
WATERPROOF

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

SIZE DRAWING OF OPENING HOLE OF HOUSING

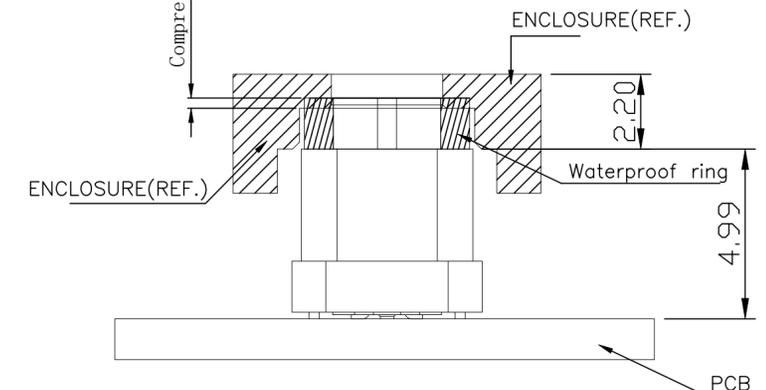


DIMENSION DIAGRAM OF WATERPROOF RING

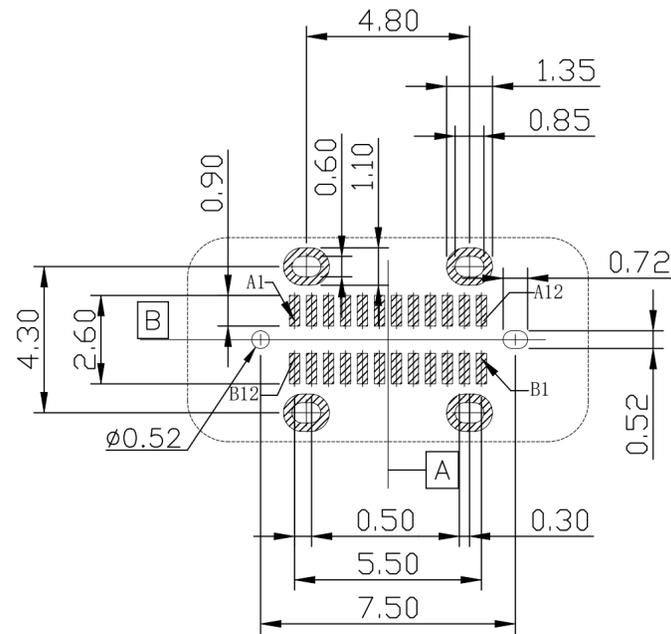


O-RING

SUGGESTED PERIMETER INTERFERENCE BETWEEN APRONS AND HOUSING

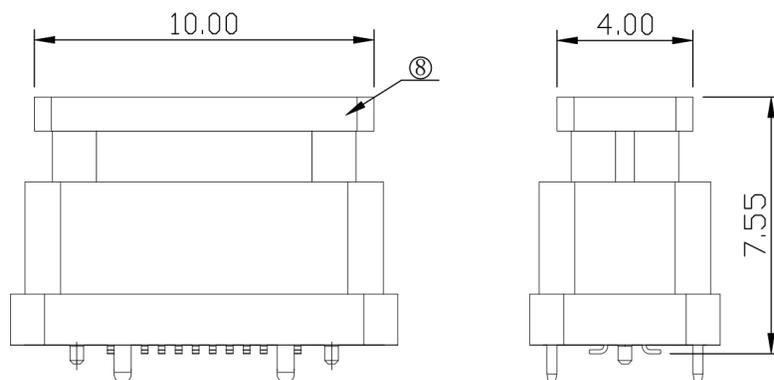


RECOMMENDED SCHEMATIC DRAWING OF CONNECTOR MATCH CHASSIS



RECOMMEND P.C.B LAYOUT (COMPONENT SIDE)
TOLERANCE FOR PCB LAYOUT IS ±0.05

CAP Dimension



O-RING NOTES:

1. MATERIAL: SILICA GEL SI70A BLACK HALOGEN-FREE, HIGH TEMPERATURE RESISTANCE: 270 DEGREES, HARDNESS: 60 +/-5 UL94V-2
2. INDISPENSABLE GLUE, DEFORMATION, BURRS, DIRT.

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TARUN, R 28NOV2024																				
DIMENSIONS: mm [INCHES]		CHK NAIR, SREEKUMAR 28NOV2024																				
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD RAGHAVAN, CG 28NOV2024	NAME USB TYPE C RECEPTACLE 24P WATERPROOF																			
<table border="0"> <tr> <td>0 PLC</td> <td>±</td> <td>-</td> </tr> <tr> <td>1 PLC</td> <td>±</td> <td>0.25</td> </tr> <tr> <td>2 PLC</td> <td>±</td> <td>0.15</td> </tr> <tr> <td>3 PLC</td> <td>±</td> <td>0.08</td> </tr> <tr> <td>4 PLC</td> <td>±</td> <td>-</td> </tr> <tr> <td>ANGLES</td> <td>±</td> <td>2°</td> </tr> </table>		0 PLC	±	-	1 PLC	±	0.25	2 PLC	±	0.15	3 PLC	±	0.08	4 PLC	±	-	ANGLES	±	2°	PRODUCT SPEC 108-161702	SIZE A2	CAGE CODE 00779
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		WEIGHT -	SCALE 1:1	SHEET 2 OF 2																		
		CUSTOMER DRAWING	REV A																			