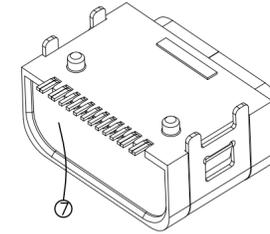
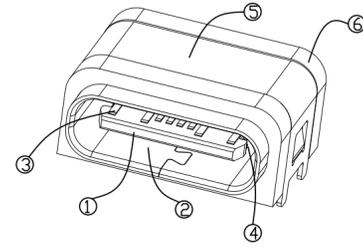
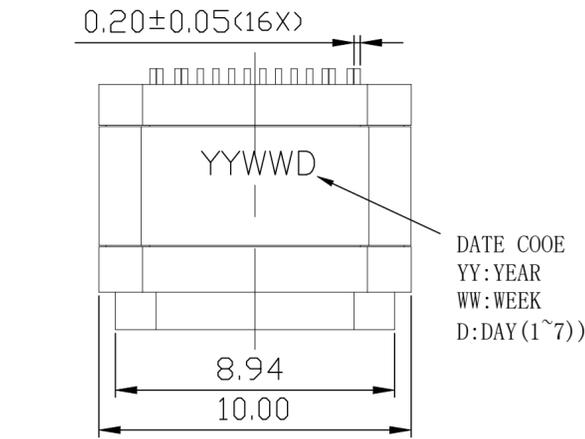


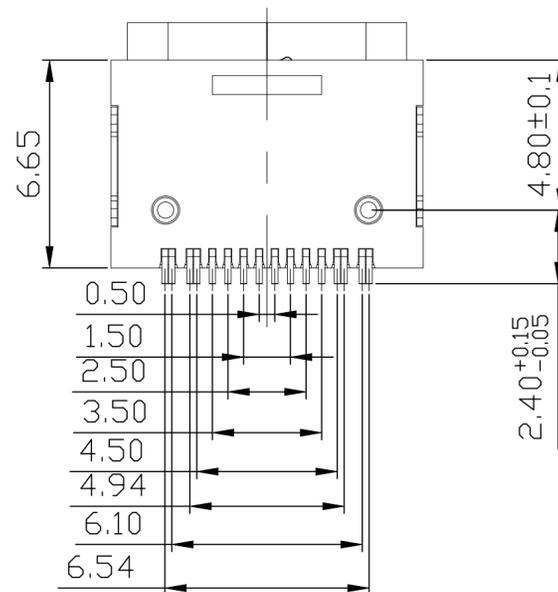
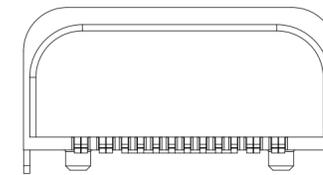
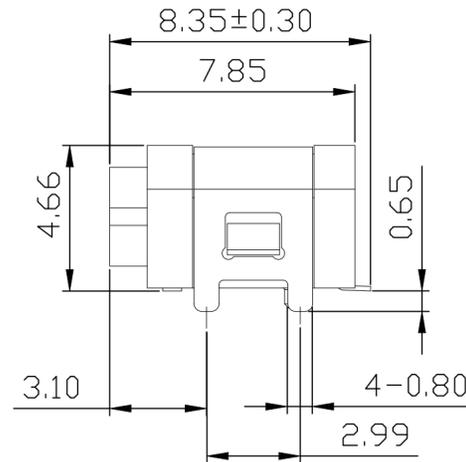
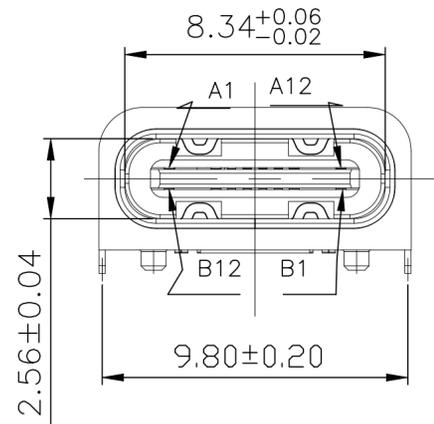
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
A	RELEASED PER	ECN-25-303637	25JAN2025	TR	RCG



**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	EPOXY GLUE	BLACK
6	INSIDE SHELL	1PCS	STAINLESS STEEL	NI PLATED:40U"MIN
5	OUT SHELL	1PCS	STAINLESS STEEL	NI PLATED:40U"MIN
4	SHIELDING PLATE	1PCS	STAINLESS STEEL	----
3	CONTACT	1SET	COPPER ALLOY	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.

DWN	TARUN, R	27NOV2024
CHK	NAIR, SREE KUMAR	28NOV2024
APVD	RAGHAVAN, CG	28NOV2024

**TE** TE Connectivity

NAME: USB TYPE C RECEPTACLE FEMALE 16P WATERPROOF

PRODUCT SPEC: 108-161697

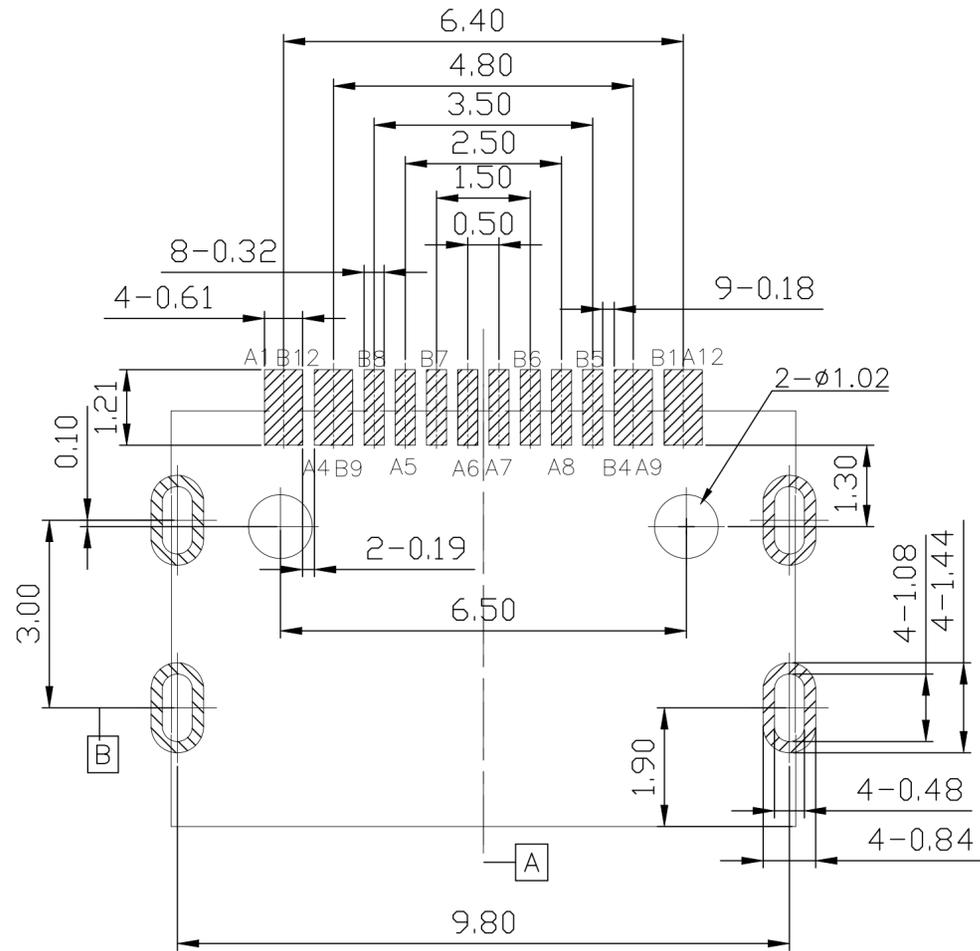
APPLICATION SPEC: 114-161282

SIZE: A2 CAGE CODE: 00779 DRAWING NO: C=2495705 RESTRICTED TO: -

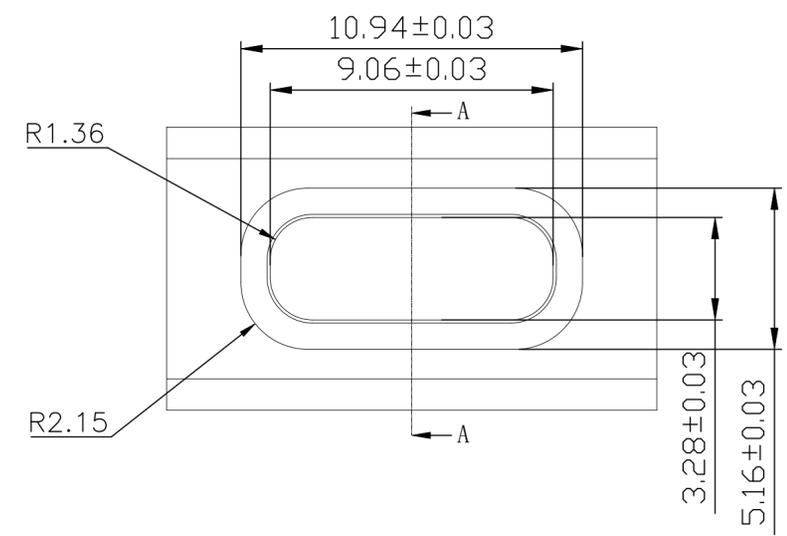
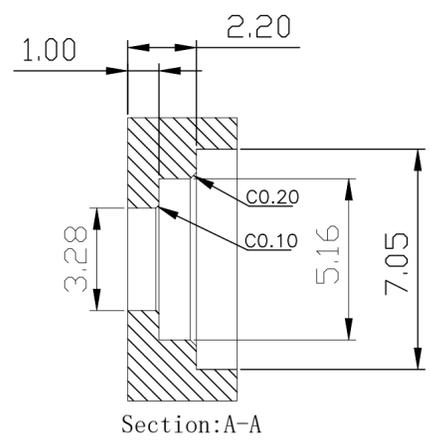
MATERIAL: - FINISH: - WEIGHT: - SCALE: 1:1 SHEET: 1 OF 3 REV: A

CUSTOMER DRAWING

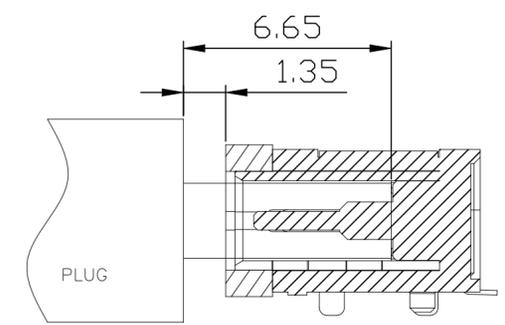
P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	SEE SHEET 1	-	-	-



RECOMMENDED PCB LAYOUT  
Tolerance: ±0.05mm  
Scale: 2:1



SUGGESTED DIMENSIONS FOR CASING OPENINGS



MATED CONDITION (REF.)

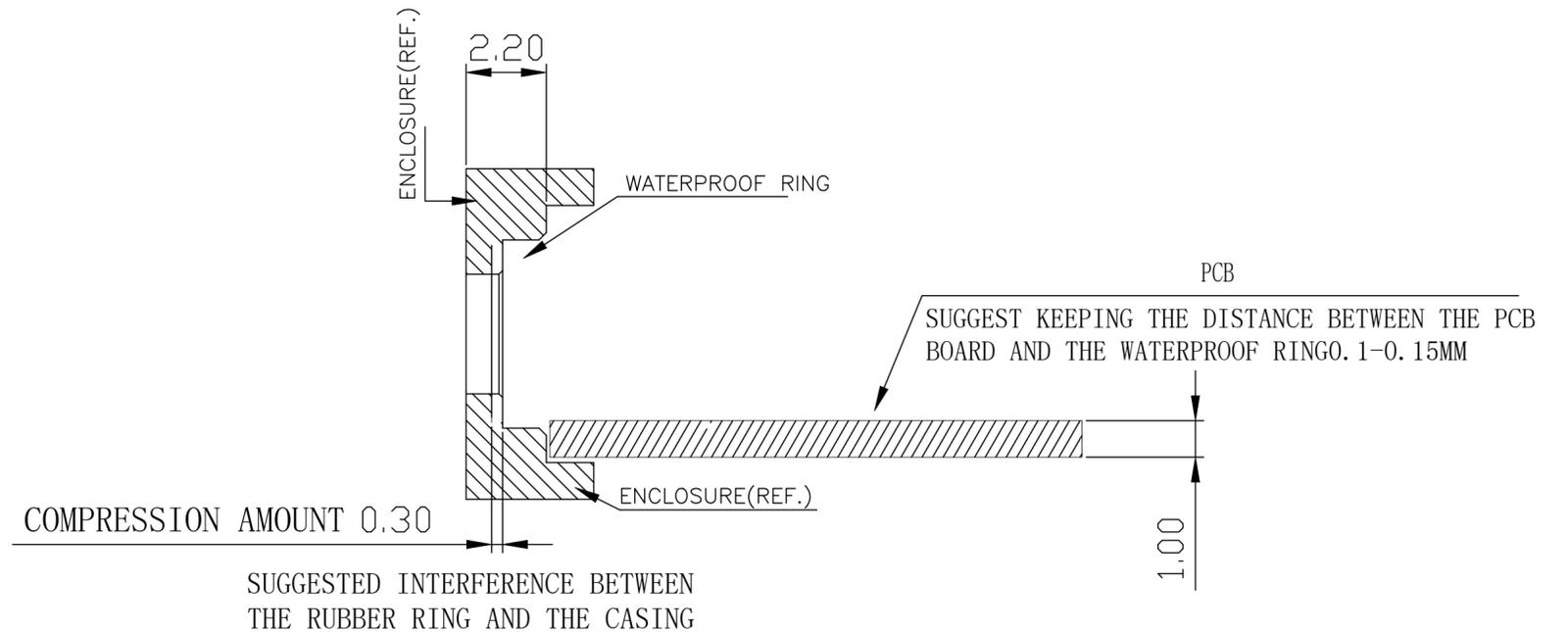
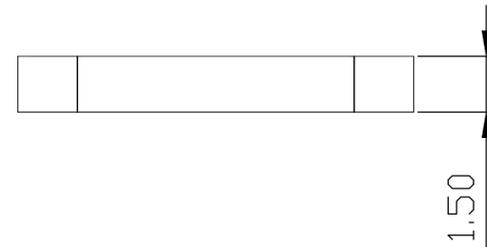
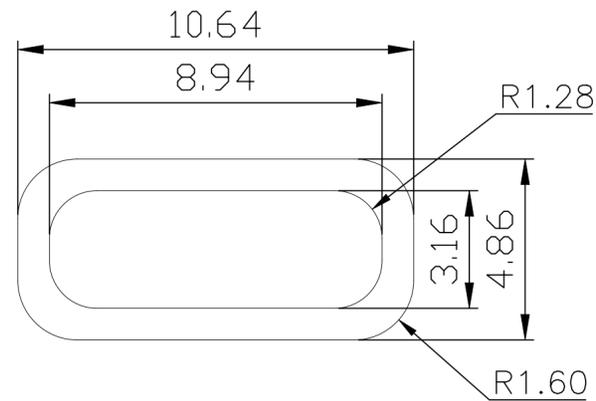
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TARUN, R 27NOV2024																						
DIMENSIONS: mm [INCHES]		CHK NAIR, SREE KUMAR 28NOV2024																						
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD RAGHAVAN, CG 28NOV2024	NAME USB TYPE C RECEPTACLE FEMALE 16P WATERPROOF																					
<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 108-161697	SIZE A2	CAGE CODE 00779	DRAWING NO C=2495705	RESTRICTED TO -
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ANGLES	±	2°																						
MATERIAL -		FINISH -	WEIGHT -	CUSTOMER DRAWING		SCALE 1:1																		
			SHEET 2	OF 3	REV A																			

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

NOTES:

1. **O-RING** Item number:
2. **MATERIAL:** SILICA GEL
3. **Colour:** BLACK
4. **Environmental protection:** RoHS
5. **Hardness:** Shore hardness 60A

O-RING VIEW



RECOMMENDED SCHEMATIC DRAWING OF CONNECTOR MATCH CHASSIS

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TARUN, R 27NOV2024		
DIMENSIONS: mm [INCHES]		CHK NAIR, SREE KUMAR 28NOV2024		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD RAGHAVAN, CG 28NOV2024	NAME USB TYPE C RECEPTACLE FEMALE 16P WATERPROOF	
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1 PLC ± 0.25		APPLICATION SPEC 114-161282	CAGE CODE 00779	DRAWING NO C=2495705
2 PLC ± 0.15		MATERIAL -	RESTRICTED TO -	
3 PLC ± 0.08		FINISH -	SCALE 1:1	SHEET 3 OF 3
4 PLC ± -		WEIGHT -	REV A	
ANGLES ± 2°		CUSTOMER DRAWING		