

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

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:

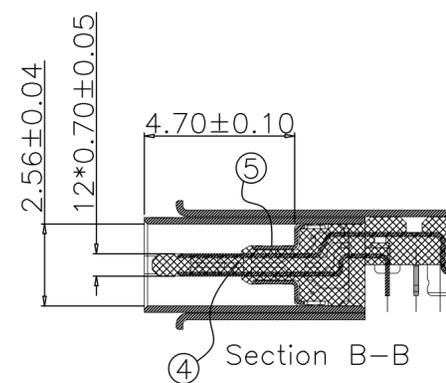
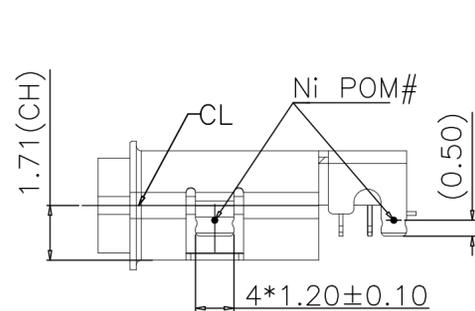
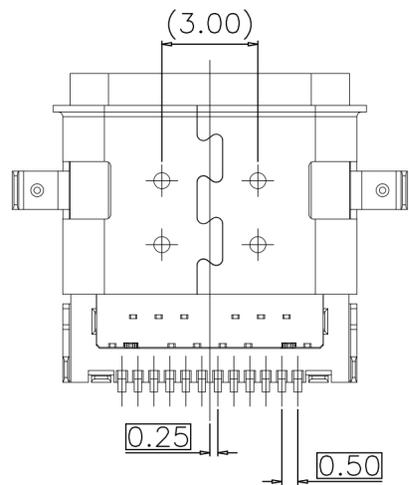
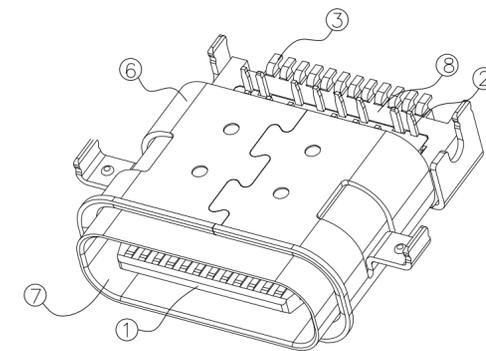
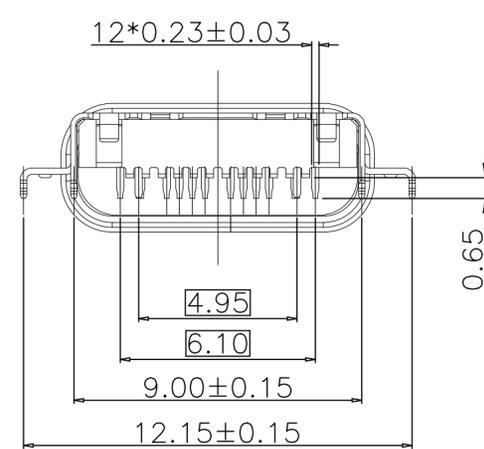
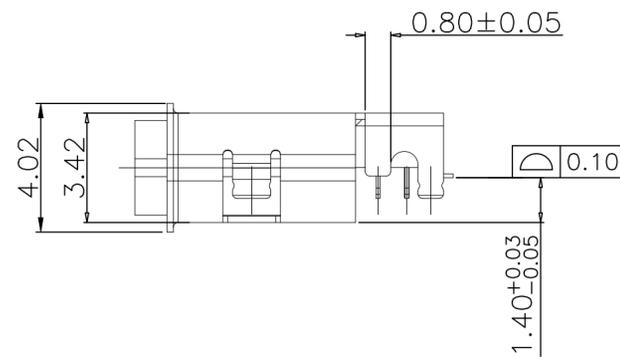
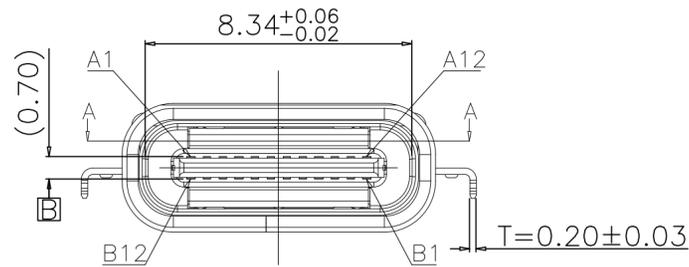
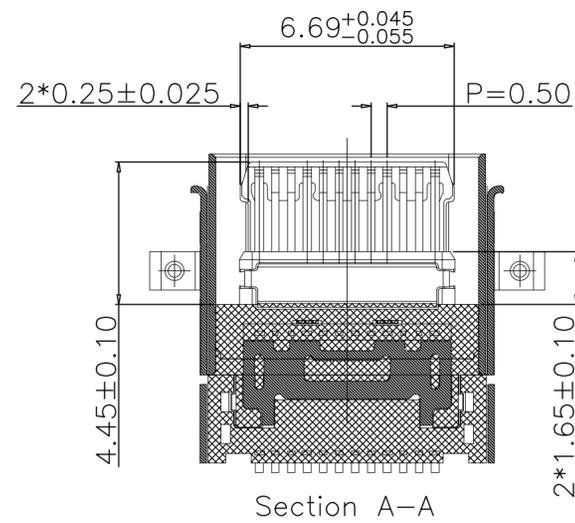
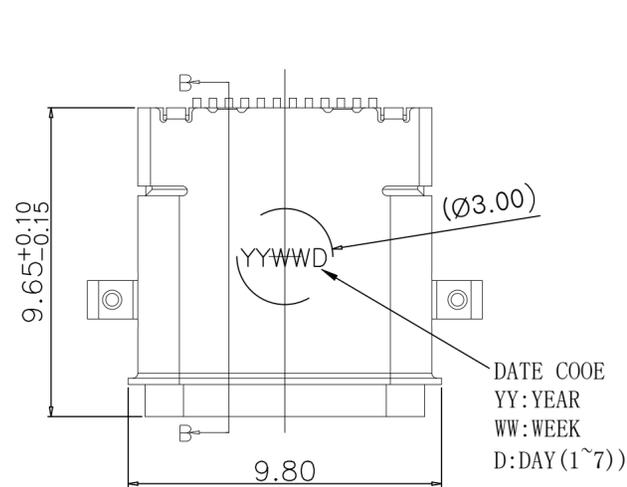
OPERATING TEMPERATURE: -40°C ~ +85°C.

4.IR REFLOW:

THE PEAK TEMPERATURE ON THE BOARD SHALL BE MAINTAINED FOR 10 SECONDS AT 260°C.

5.COMPLIANCE WITH ROHS &HF REQUIREMENTS.

6.WATER PROOF: IP-X7



NO.	PART NAME	QTY	MATERIAL	DESCRIPTION	REMARK
⑨	Waterproof Ring	1	Silicone rubber	BLACK;	
⑧	Glue Water	1	Epoxy	BLACK;	
⑦	Shell-2	1	SUS 304	50u"Ni Min.	T=0.20mm
⑥	Shell-1	1	SUS 304	50u"Ni Min.	T=0.20mm
⑤	GND PLATE	1	SUS 304	No Plating	T=0.10mm
④	MID PLATE	1	SUS 304		T=0.15mm
③	Terminal-B	12	C18400	Au/50u"Ni Min.	T=0.12mm
②	Terminal-A	12			T=0.12mm
①	Housing	1	PA9T	Black	

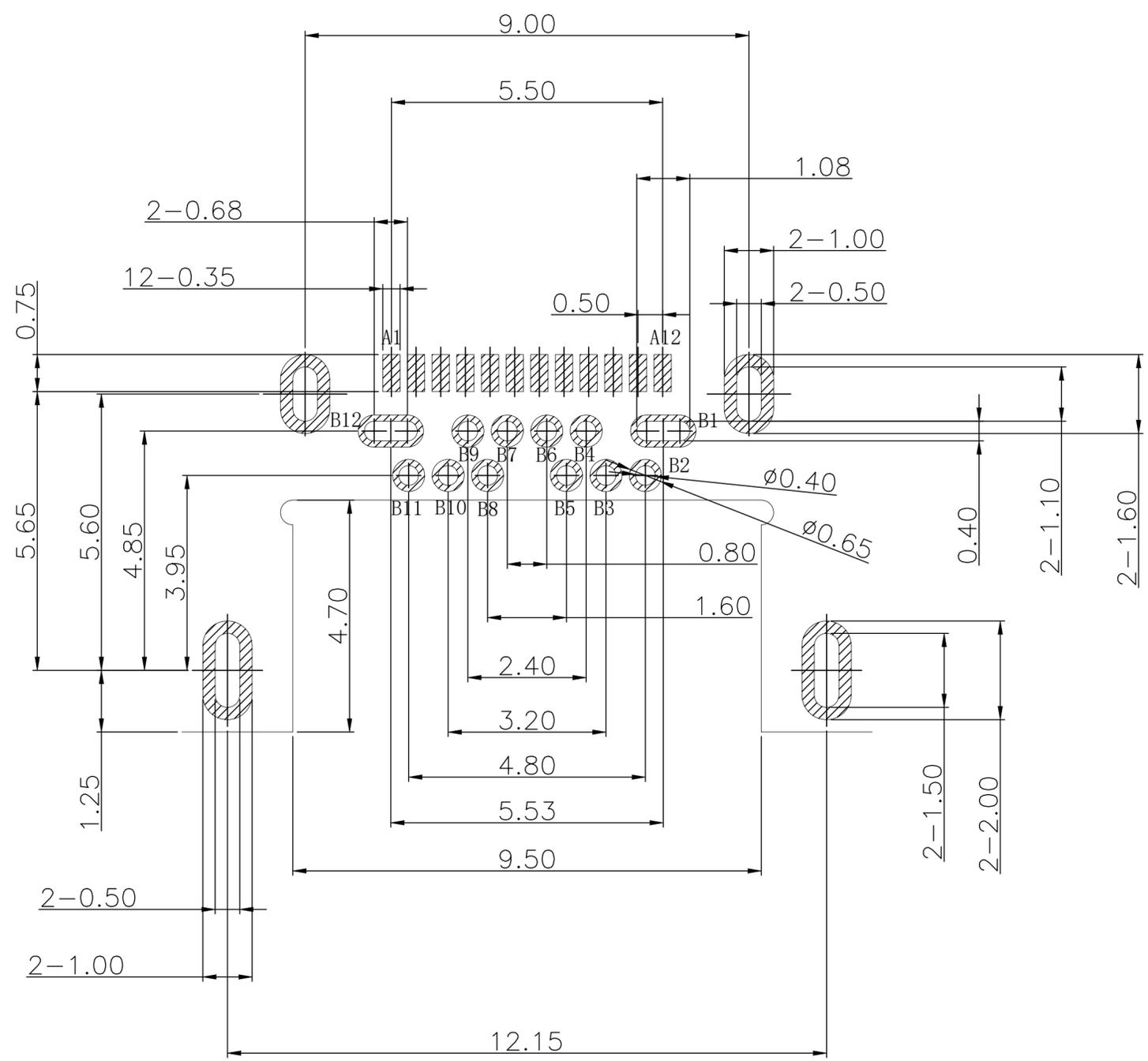
PIN No.	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12
SIGNAL NAME	GND	TX1+	TX1-	VBus	CC1	D+	D-	SBU1	VBus	RX2-	RX2+	GND

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

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 RAGHAVAN, CG PRODUCT SPEC 108-161699 APPLICATION SPEC 114-161284	TE Connectivity	RESTRICTED TO
MATERIAL	FINISH	WEIGHT	SCALE A2 00779 C=2495709	USB TYPE C RECEPTACLE 24P WATERPROOF	SCALE 1:1 SHEET 1 of 3 REV A
CUSTOMER DRAWING			SCALE 1:1 SHEET 1 of 3 REV A		

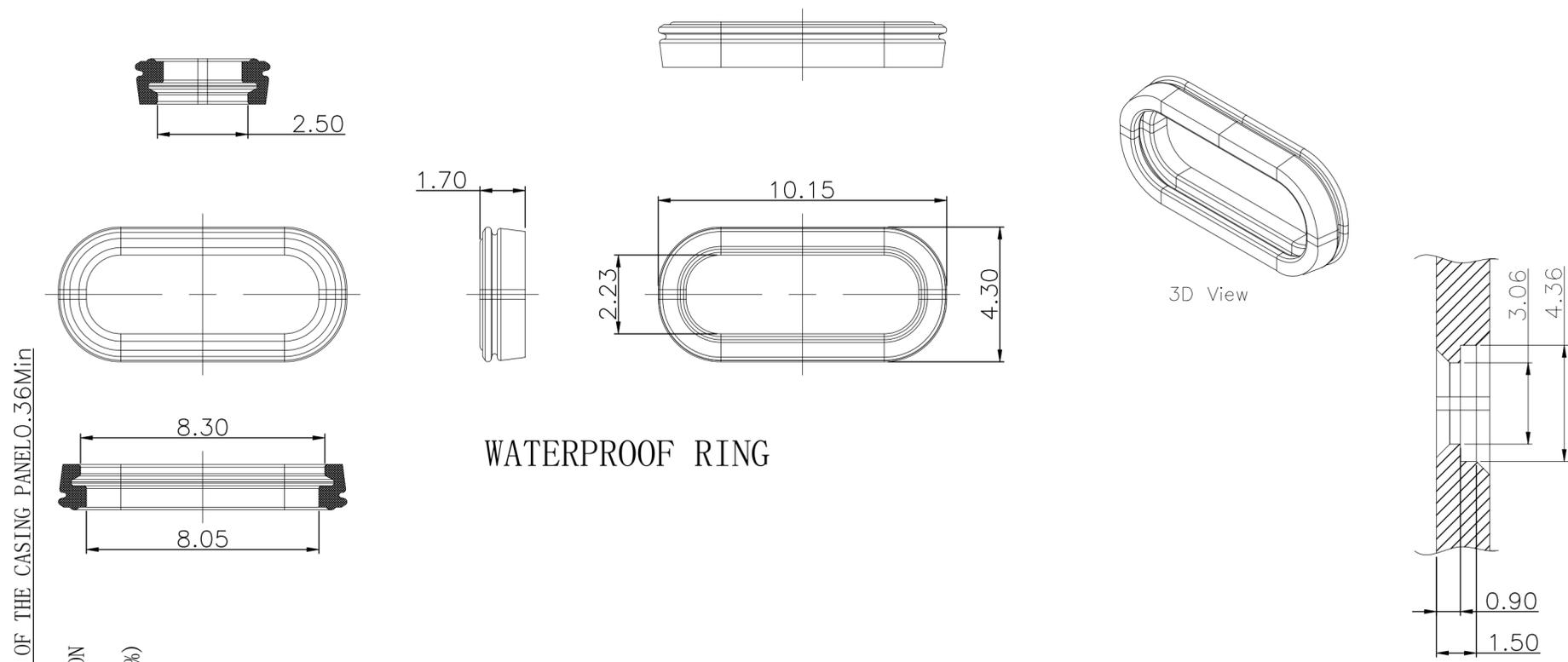
P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	SEE SHEET 1	-	-	-



RECOMMENDED P.C.B LAYOUT(Both sides are sample)
 Tolerance:±0.05,Thickness=0.60mm
 Scale:2:1

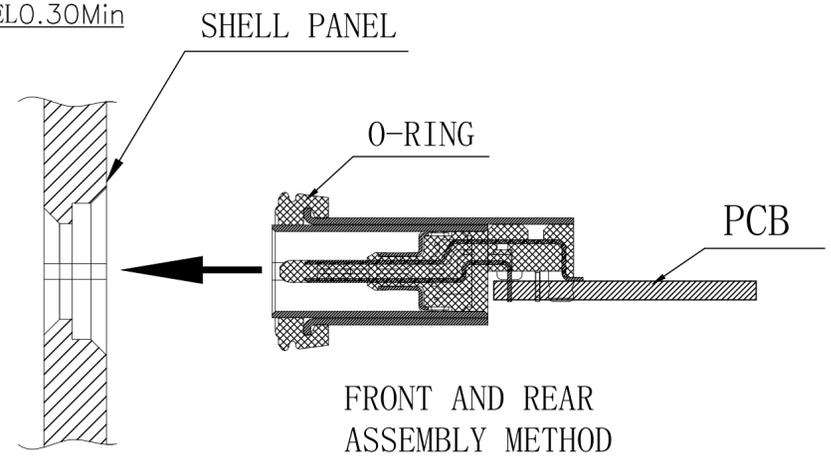
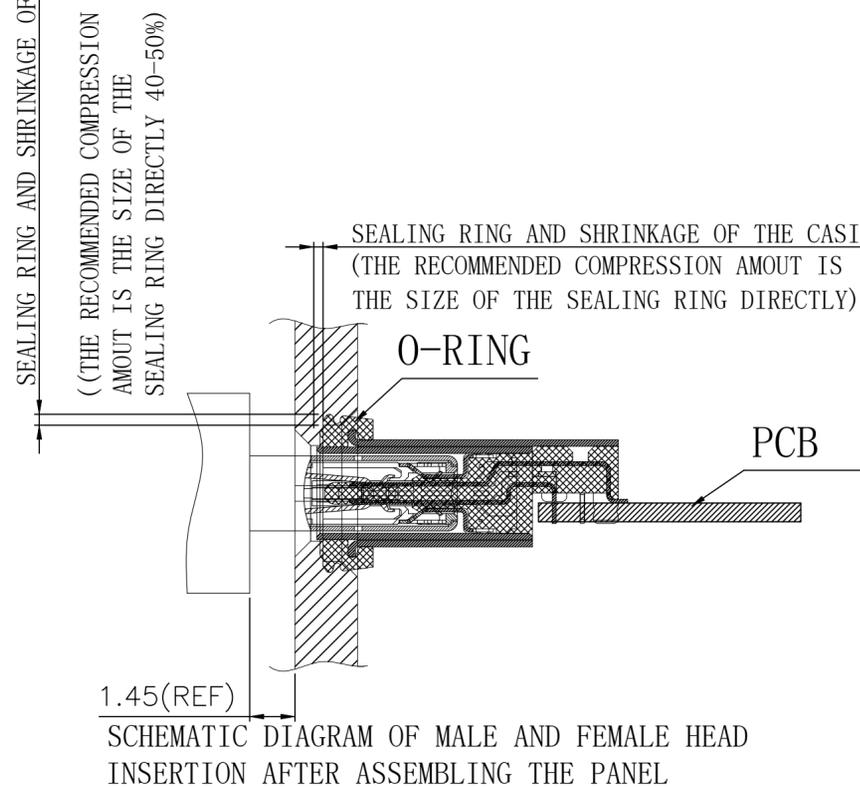
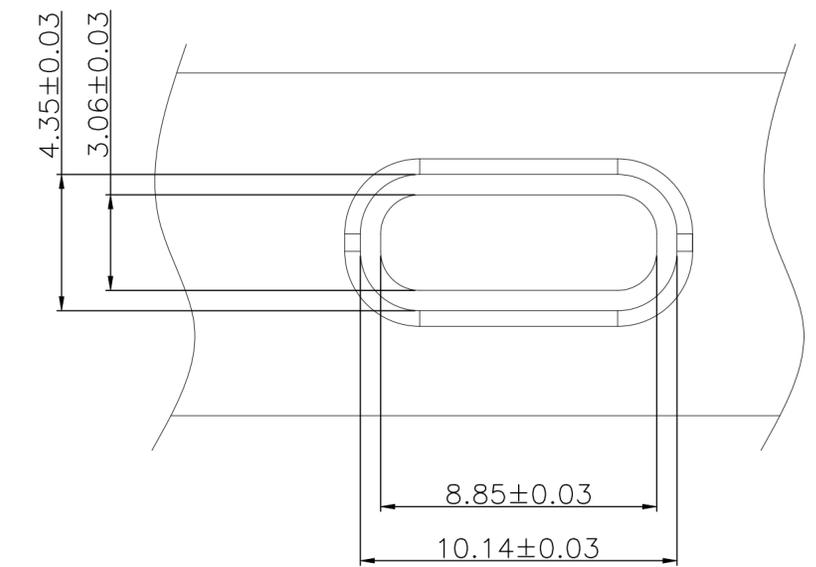
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TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD RAGHAVAN, CG 28NOV2024	NAME USB TYPE C RECEPTACLE 24P WATERPROOF	
0 PLC ± - 1 PLC ± 0.25 2 PLC ± 0.15 3 PLC ± 0.08 4 PLC ± - ANGLES ± 2°		PRODUCT SPEC 108-161699	SIZE A2	CAGE CODE 00779
MATERIAL		APPLICATION SPEC 114-161284	DRAWING NO C=2495709	RESTRICTED TO
FINISH		WEIGHT	SCALE 1:1	SHEET 2 of 3
		CUSTOMER DRAWING	REV A	

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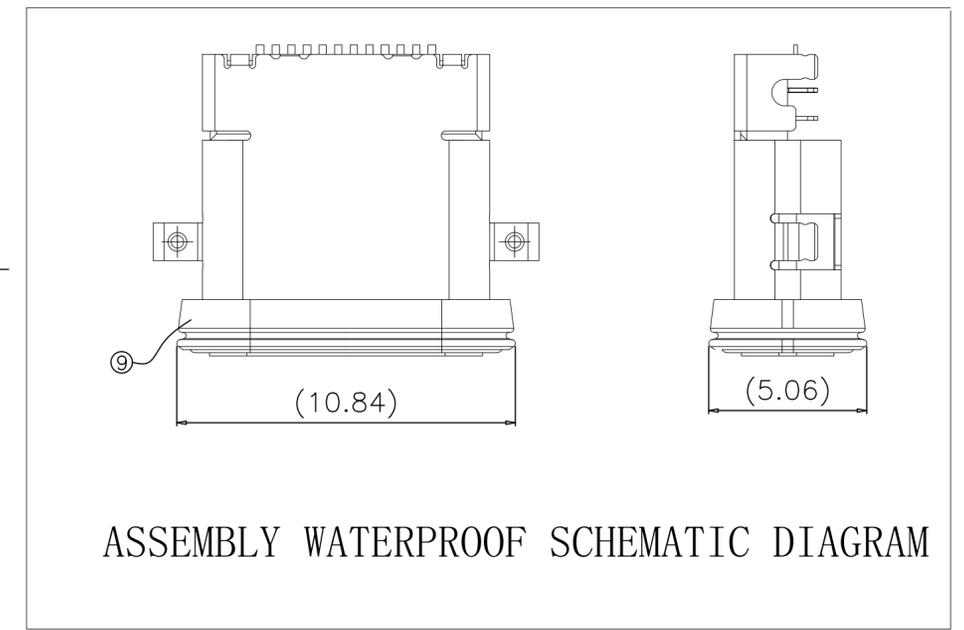


WATERPROOF RING

SUGGESTED OPENING SIZE FOR THE CASING



FRONT AND REAR ASSEMBLY METHOD



ASSEMBLY WATERPROOF SCHEMATIC DIAGRAM

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TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD RAGHAVAN, CG 28NOV2024	NAME USB TYPE C RECEPTACLE 24P WATERPROOF	
0 PLC ± -		PRODUCT SPEC 108-161699	SIZE A2	
1 PLC ± 0.25		APPLICATION SPEC 114-161284	CAGE CODE 00779	DRAWING NO C=2495709
2 PLC ± 0.15		WEIGHT -	RESTRICTED TO -	
3 PLC ± 0.08		FINISH -	SCALE 1:1	SHEET 3 OF 3
4 PLC ± -		CUSTOMER DRAWING		
ANGLES ± 2°		REV A		