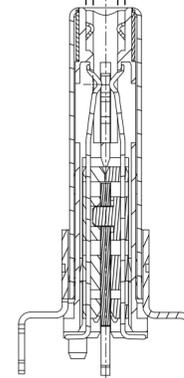
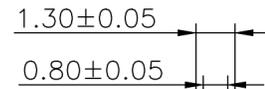
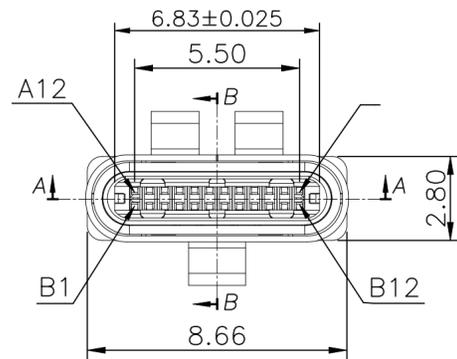
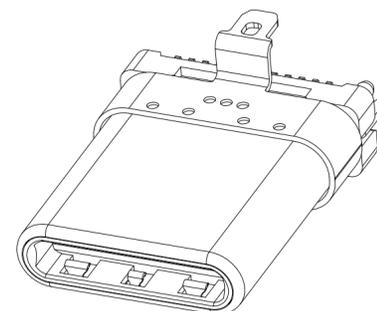
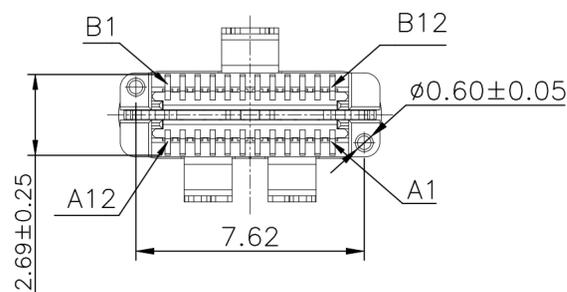
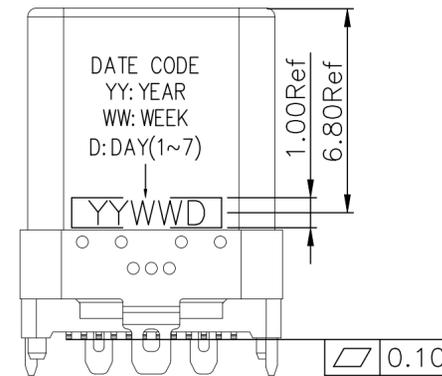
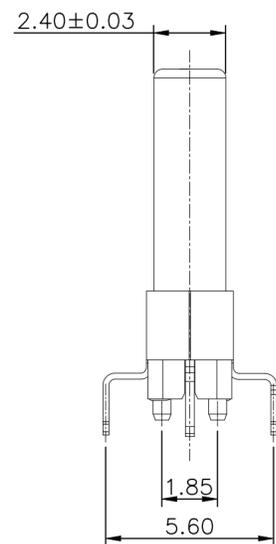
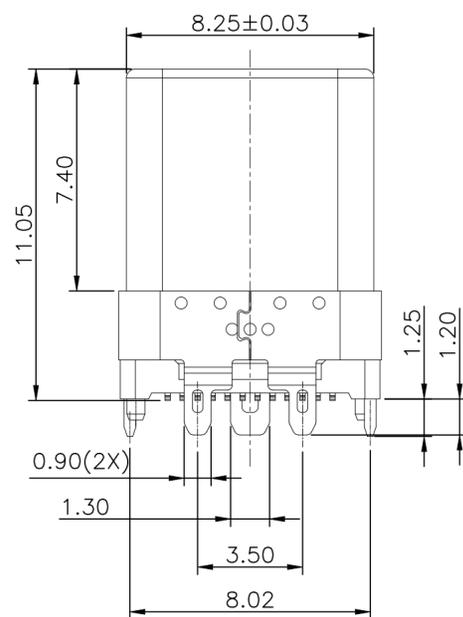


REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
A	RELEASED PER	ECN-25-303637	25JAN2025	TR	RCG



SECTION: A-A



NOTE:

1.ELECTRICAL PERFORMANCE:

- 1-1. Current rating:5 AMPS. for total VBUS/GND pins
1.25AMPS for CC Pin, 0.25 AMPS for all other contact.
- 1-2. Voltage Rating:5V/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: 40mΩ.
- 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: -45°C ~ +85°C.

4.IR Reflow:

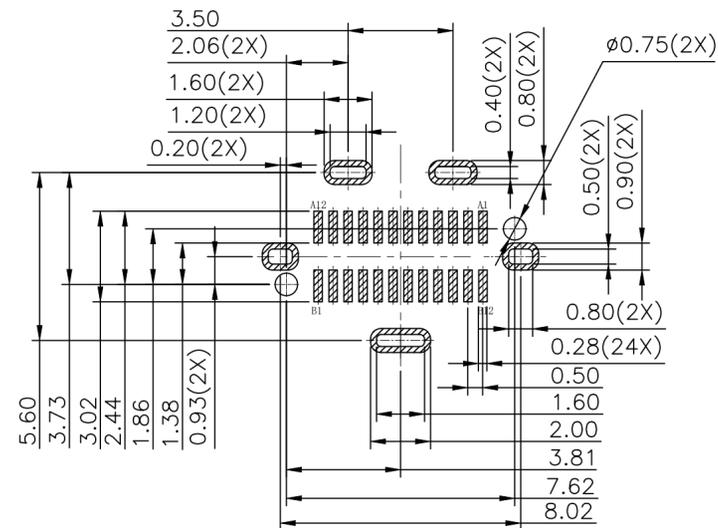
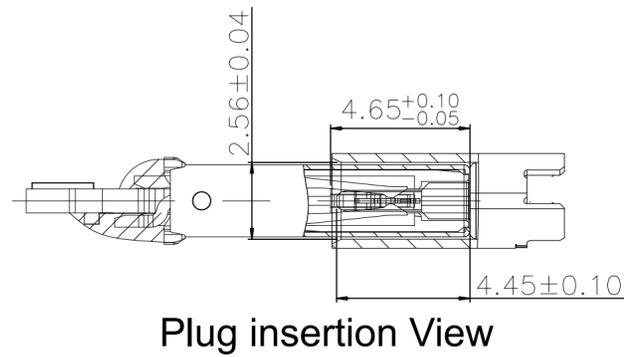
The peak temperature on the board shall be maintained for 10 seconds at 260°C.

5.Compliance with RoHS & HF requirements.

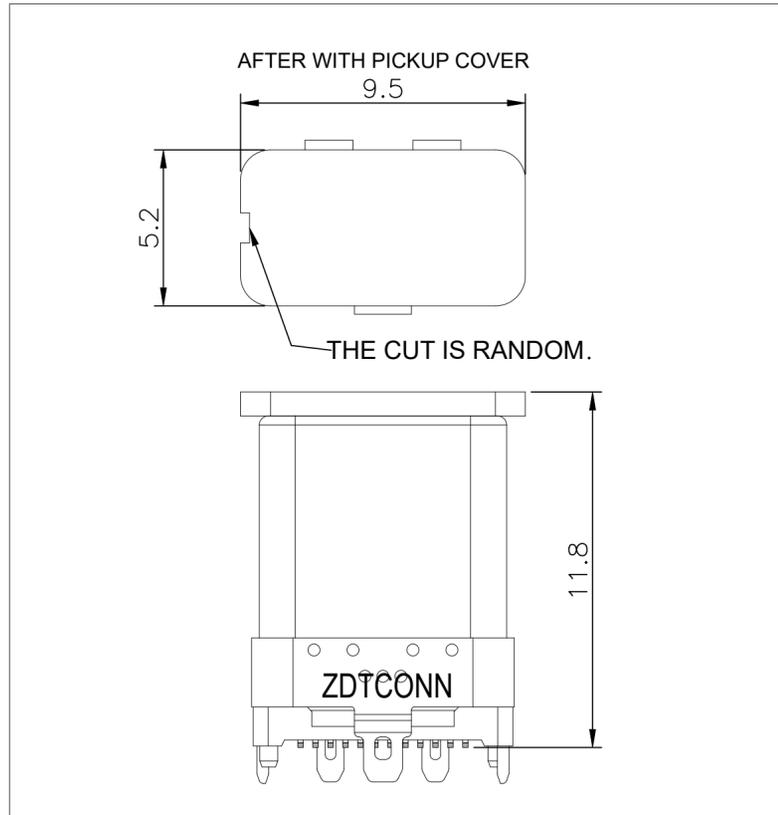
ITEM	NAME	QTY.	MATERIAL	DESCRIPTION
7	CAP	1	LCP UL94V-0	Color: Black
6	Back Shell	1	Stainless Steel SUS304 T=0.20	NICKEL 30U" MIN PLATED
5	Housing	4	LCP UL94V-0	Color: Black
4	Latch	1	Stainless Steel SUS301 T=0.30	Tin plated 80u"min on solder area; Nickel 50u"min underplating over all.
3	Contact	24	Copper Alloy C7025 T=0.15	3u"gold plated on Contact area, Matte Tin plated on Soldertails, Nickel underplating over all
2	Emc Spring	2	Stainless Steel SUS304 T=0.10	
1	Front Shell	1	Stainless Steel SUS316L T=0.15	NICKEL 30U" MIN PLATED

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 PLUG 24P SMT VERTICAL MOUNT	
0 PLC ± -		PRODUCT SPEC 108-161692	SIZE A2	
1 PLC ± 0.30		APPLICATION SPEC 114-161276	CAGE CODE 00779	DRAWING NO C=2495700
2 PLC ± 0.25		WEIGHT -	SCALE 1:1	SHEET 1 of 2
3 PLC ± 0.10		MATERIAL -	REV A	
4 PLC ± -		FINISH -	CUSTOMER DRAWING	
ANGLES ± 2°				

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



RECOMMENDED PCB LAYOUT(TOP VIEW)
THICKNESS 0.8±0.10MM;DEFAULT TOLERANCE:±0.05



USB TYPE-C PIN ASSIGNMENTS

PIN NUMBER	SIGNAL NAME	PIN NUMBER	SIGNAL NAME
A1	GND	B12	GND
A2	SSTXp1	B11	SSRXp1
A3	SSTXn1	B10	SSRXn1
A4	Vbus	B9	Vbus
A5	CC1	B8	SBU2
A6	Dp1	B7	Dn2
A7	Dn1	B6	Dp2
A8	SBU1	B5	CC2
A9	Vbus	B4	Vbus
A10	SSRXn2	B3	SSTXn2
A11	SSRXp2	B2	SSTXp2
A12	GND	B1	GND

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 PLUG 24P SMT VERTICAL MOUNT	
0 PLC ± - 1 PLC ± 0.30 2 PLC ± 0.25 3 PLC ± 0.10 4 PLC ± - ANGLES ± 2°		PRODUCT SPEC 108-161692	SIZE A2	CAGE CODE 00779
MATERIAL -		FINISH -	DRAWING NO C=2495700	RESTRICTED TO -
CUSTOMER DRAWING			SCALE 1:1	SHEET 2 OF 2
			REV A	