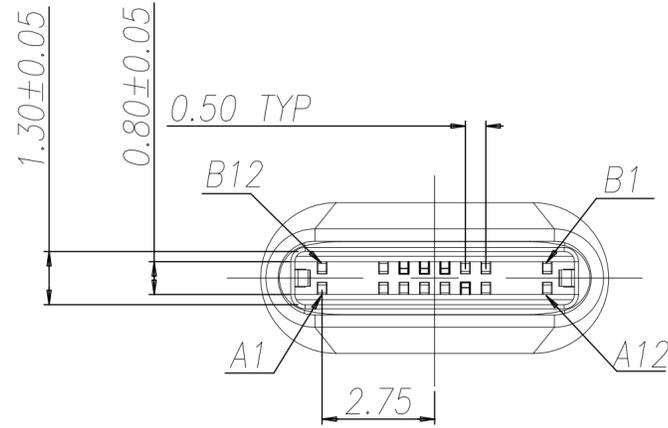


REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
A		RELEASED PER ECN-25-303637	25JAN2025	TR	RCG

PCB WIRING DIAGRAM		
CONN Pin	PCB PAD	
A1,B1,A12,B12,SHELL	GND	
A4,B4,A9,B9	VBUS	
A5	A5	
B5	B5	
A6	A6	
A7	A7	



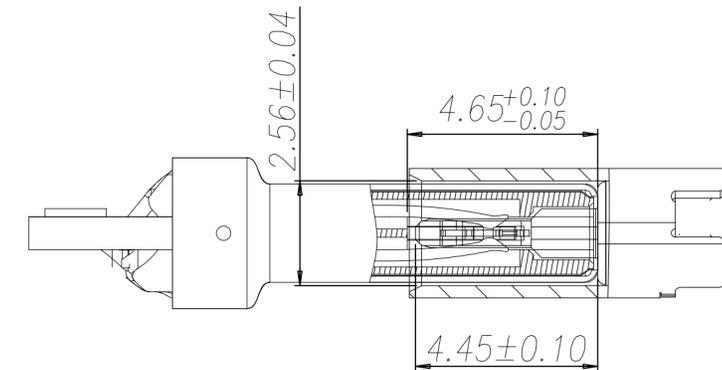
**NOTE:**

- ELECTRICAL CHARACTERISTICS;**
  - Contact Resistance: 40mΩ Max For Initial. 10mΩ Change After Test. Measure at 20mV, 100mA.
  - Contact Current Rating: 5A Max For V+/V- Pin; 0.25A Max FOR Other PIN.
  - Dielectric Withstanding Voltage: 100V AC R.M.S.
  - Insulation Resistance: 100MΩMin
- MECHANICAL CHARACTERISTICS:**
  - Mating Force: 5~20 N (before and after)
  - Pullout force: 8~20N(before); After Durability: 6~20N
  - Durability: 10,000 CyclesS, 500 Cycles/H, 5000 times each front and b
- The Product Using Material And Processing Must Conform To The "WI-PZ-142"HSF Technical Standard Control Requirements.
- Operating Temperature: -40°C to +85°C

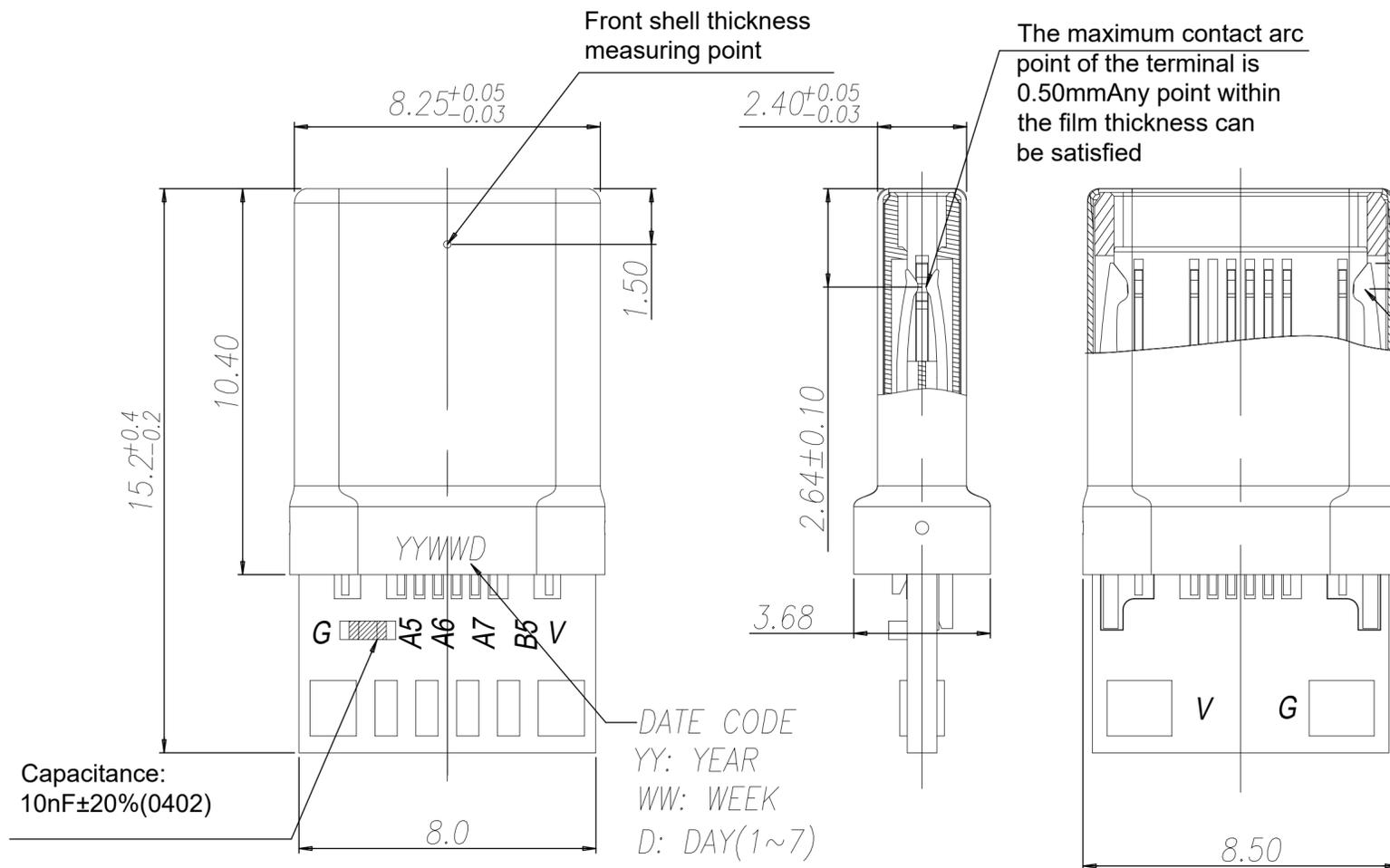
Front shell thickness measuring point

The maximum contact arc point of the terminal is 0.50mmAny point within the film thickness can be satisfied

Hook film thickness measuring point



**Plug insertion View**



Capacitance: 10nF±20%(0402)

DATE CODE  
YY: YEAR  
WW: WEEK  
D: DAY(1~7)

**PINS DESCRIPTION  
PLUG FRONT VIEW**

GND			VBUS				Vconn	VBUS			GND
B12	B11	B10	B9	B8	B7	B6	B5	B4	B3	B2	B1
GND			VBUS	CC	D+	D-		VBUS			GND
A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12

1	SHELL	1	SUS 316 L	Nickel Plated Overall 20μ" MIN
2	A TERMINAL	4	C5210	All nickel base 50u" min, Contact Area 15u" min Gold Plating, Solder Area Tinned
3	B TERMINAL	4		
4	BUCKLE	1	SUS 301	Nickel Plated Overall.
5	HOUSING	1	PA10T	UL94-V0,Black,HF
6	PCB	1	FR-4	UL94-V0
7	CAPACITANCE	1	YAGEO,CC0402KRX7R9BB103	10nF/20%/50V/0402
S.No.	PRODUCT NAME	QUANTITY	GAUGE LATTICE	DESCRIPTION

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	TARUN, R	26NOV2024	TE Connectivity USB TYPE C PLUG 12P	
DIMENSIONS: mm [INCHES]		CHK	NAIR, SREE KUMAR	27NOV2024		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD	RAGHAVAN, CG	27NOV2024		
0 PLC ± - 1 PLC ± 0.25 2 PLC ± 0.15 3 PLC ± 0.08 4 PLC ± - ANGLES ± 2°		NAME				
MATERIAL	FINISH	PRODUCT SPEC	108-161689		SIZE	A2
		APPLICATION SPEC	114-161273		CAGE CODE	00779
		WEIGHT	-		DRAWING NO	C=2495152
		CUSTOMER DRAWING			RESTRICTED TO	-
		SCALE	1:1		SHEET	1 OF 1
		REV	A			