

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

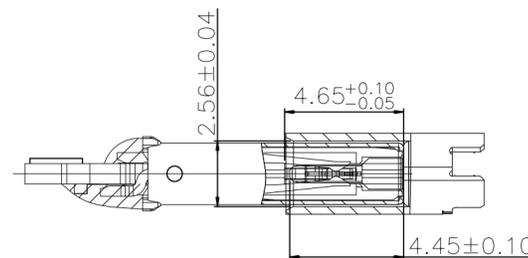
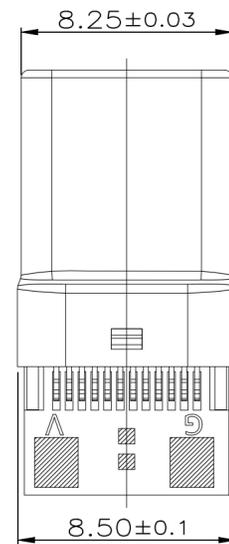
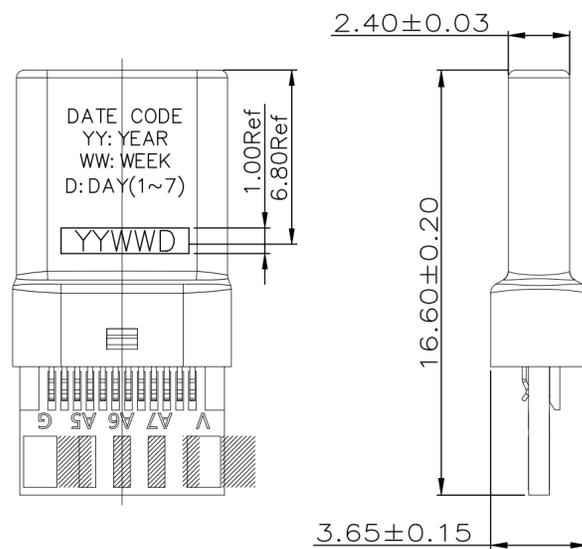
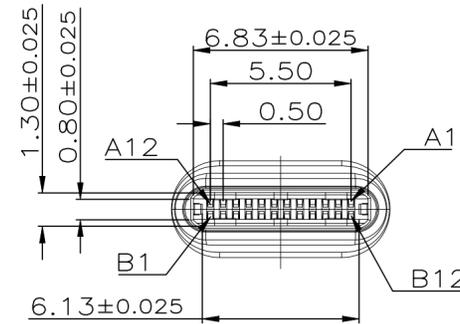
NOTE:

1. ELECTRICAL PERFORMANCE:

- 1.1 Rated voltage: 5V AC/DC MAX
- 1.2 Rated current: 3 AMP MIN
- 1.3 Contact impedance: 40m Ω Max
- 1.4 Insulation impedance: 100M Ω MIN (500V DC, tested for 60 seconds);
- 1.5 Voltage endurance: AC100V RMS 60s There should be no jumping, breakdown, damage or other phenomena

2. MECHANICAL CHARACTERISTICS:

- 2.1 Insertion force: 20N Max
- 2.2 Pull out force: 8N Min (after life test: 6N Min)
- 2.3 Durability: After 10000 durability tests (500 ± 50 times/hour),
- 3.Environmental performance:
- 3.1 Working temperature: -40 °C~+85 °C
- 3.2 Temperature rise: Δ t ≤ 30 °C



Plug insertion View

Schematic diagram of the route	
PLUG end	PCB Pads
A1, A12, B1, B12, Shell	GND x2
A4, A9, B4, B9	VBUS x2
A5	CC
A6	Dp1
A7	Dn1

capacitance
10NF

No.	NAME	Q'TY	MATERIAL	FINISH
8	PCB	1PCS	PCB Circuit board blue oil T=0.8mm+resistance	---
7	Latch	1PCS	SUS 301 HV310-370;T=0.4	---
6	TERMINAL	24PCS	C7025 HV190-210;T=0.15	---
5	EMI PLATE	2PCS	SUS 304 HV310-370;T=0.10	---
4	FRONT SHELL	1PCS	SUS 316 HV310-370;T=0.15	---
3	HOUSING	1PCS	LCP+30%G.F BLACK UL94-V0	---
2	TERMINAL-Molding	2PCS	LCP+30%G.F BLACK UL94-V0	---

PINS DESCRIPTION
PLUG FRONT VIEW

GND		VBUS			Vconn	VBUS		GND
B12		B9			B5	B4		B1
GND		VBUS	CC	D+	D-	VBUS		GND
A1		A4	A5	A6	A7	A9		A12

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 ± 0.35 2 PLC ± 0.25 3 PLC ± 0.10 4 PLC ± - ANGLES ± 2°		PRODUCT SPEC 108-161693	SIZE A2	
MATERIAL -		FINISH -	WEIGHT -	CAGE CODE 00779
		DRAWING NO 114-161277		RESTRICTED TO -
		CUSTOMER DRAWING		SCALE 1:1
		SHEET 1 OF 1		REV A