

ROHS Compliant

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Technical drawings of the USB Type-C receptacle showing front, side, and top views with dimensions. The front view shows a total width of 14.00 and a height of 9.50. The side view shows a depth of 9.30 and a thickness of 3.16. The top view shows a width of 8.34 and a height of 1.40. Pin positions are labeled B1 through B12 and A1 through A12.

Top view of the USB Type-C receptacle showing dimensions: 8.34 (width) and 1.40 (height). Pin positions are labeled A1, A12, B1, and B12.

USB TYPE-C FULL-FEATURED RECEPTACLE INTERFACE PIN ASSIGNMENTS

A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12
GND	TX1+	TX1-	Vbus	CC	D+	D-	RFU1	Vbus	RX2-	RX2+	GND
GND	RX1+	RX1-	Vbus	RFU2	D-	D+	CC	Vbus	TX2-	TX2+	GND
B12	B11	B10	B9	B8	B7	B6	B5	B4	B3	B2	B1

NOTE:

- ELECTRICAL CHARACTERISTICS
 - 1-1. VOLTAGE RATING: 20V MAX
 - 1-2. CURRENT RATING: 3.0A MAX
 - 1-3. CONTACT RESISTANCE: 40 milliohms MAX.
 - 1-4. INSULATION RESISTANCE: 100 Megohms MIN.
 - 1-5. DIELECTRIC WITHSTANDING VOLTAGE: 100V AC FOR 1 MINUTE.
- MECHANICAL CHARACTERISTICS
 - 2-1. MATING FORCE: 5~20N
 - 2-2. UNMATING FORCE: 8~20N
 - 2-3. DURIBILITY: 10000 CYCLES
 - 3. SALT SPRAY: 24H
 - 4. OPERATING TEMPERATURE: -40°C~85°C
 - 5. RoHS 2002/95/EC COMPLIANT.

REV/ECN NO OR DESCRIPTION	REVISED	DATE
A PRODUCT RELEASE	JAMES	2020.06.14

E	PCB	1	FR-4		
D	SHIELD	1	STAINLESS STEEL	N: PLATING	
C	GUARD PLATE	1	STAINLESS STEEL	N: PLATING	
B	CONTACT	24	COPPER ALLOY	1 μ Gold On Contact Area Tin plated on Solder tail All over Nickel Plated.	
A	HOUSING	1	THERMOPLASTIC U94-10	BLACK	
NO	DESCRIPTION	QTY	MATERIAL	PLATING & COLOR	

UNLESS OTHERWISE SPECIFIED TOLERANCES

DECIMALS: ANGLES:

X : ±0.5 X : ±.2
 X.X : ±0.3 X.X : ±.1
 X.XX : ±0.2

TITLE: USB TYPE C 24P母座美板带PCB-5焊点14.0L
 PART NO. 1022407AP006
 DWG JAMES 2020.06.14
 CHKD
 APVD
 SCALE 1:1 UNIT: mm
 SIZE: A4 SHEET: 10F1 REV: A

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