

Current Rating: 3A for VBUS
1.25A for GND Pin
0.25A for Others

Voltage Rating: 20V Max

Withstanding Voltage: 100 VAC R.M.S.

Contact Resistance: 40mΩ Max

Insulation Resistance: 100MΩ Min.

Operation Temperature: -45°C to +85°C

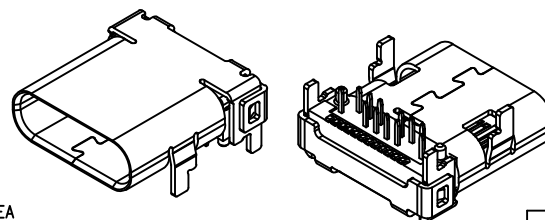
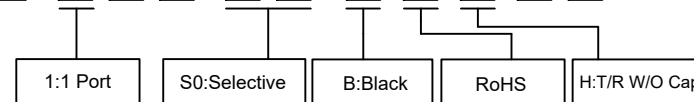
Durability: 10,000 cycles

Insertion Force : 5~20N

Extraction Force : 8~20N

Insulator: LCP, UL94V-0 Black
Contact: C2680
Shell : SUS304

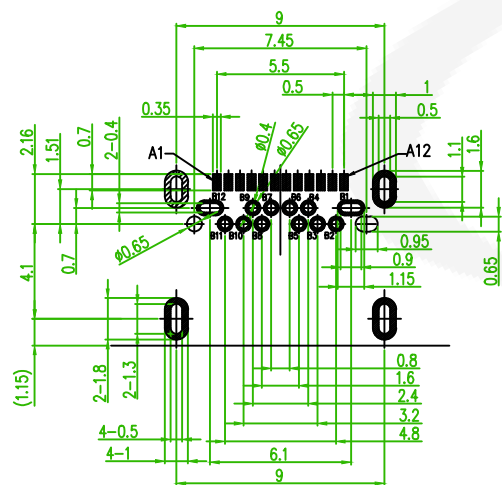
5 U S C 1 7 M F - 1 2 4 S O B U H 4 1



AMTEK 糧德
2022.05.25
Released DCC

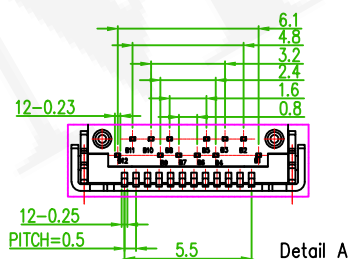
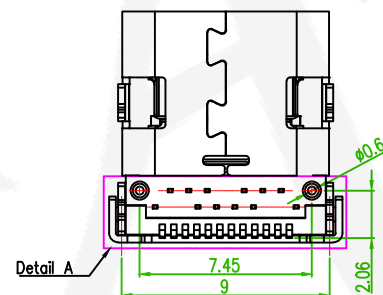
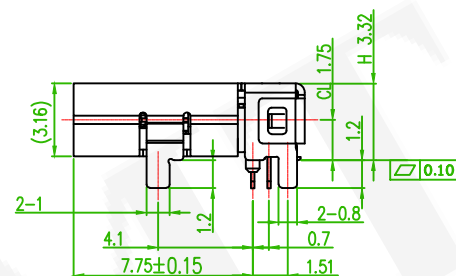
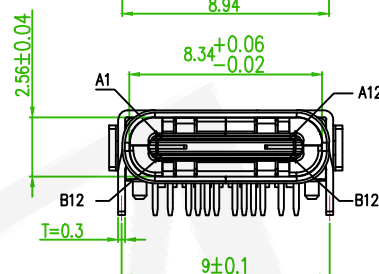
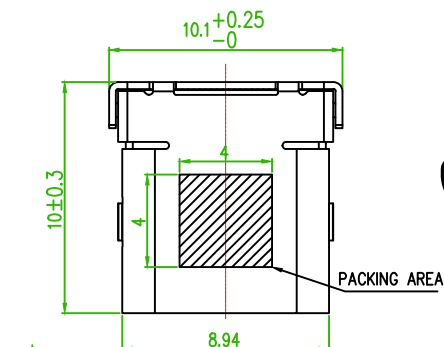
USB TYPE-C FULL-FEATURED RECEPTACLE INTERFACE PIN ASSIGNMENTS

PIN	Signal Name	Description	PIN	Signal Name	Description
A1	GND	Ground return	B12	GND	Ground return
A2	SSTXp1	Positive half of first SuperSpeed TX differential pair	B11	SSRXp1	Positive half of first SuperSpeed RX differential pair
A3	SSTXn1	Negative half of first SuperSpeed TX differential pair	B10	SSRXn1	Negative half of first SuperSpeed RX differential pair
A4	VBUS	Bus Power	B9	VBUS	Bus Power
A5	CC1	Configuration Channel	B8	SBU2	Sideband Use (SBU)
A6	Dp1	Positive half of the USB 2.0 differential pair—Position 1	B7	Dn2	Negative half of the USB 2.0 differential pair—Position 2
A7	Dn1	Negative half of the USB 2.0 differential pair—Position 1	B6	Dp2	Positive half of the USB 2.0 differential pair—Position 2
A8	SBU1	Sideband Use(SBU)	B5	CC2	Configuration Channel
A9	VBUS	Bus Power	B4	VBUS	Bus Power
A10	SSRXn2	Negative half of second SuperSpeed RX differential pair	B3	SSTXn2	Negative half of second SuperSpeed TX differential pair
A11	SSRXp2	Positive half of second SuperSpeed RX differential pair	B2	SSTXp2	Positive half of second SuperSpeed TX differential pair
A12	GND	Ground return	B1	GND	Ground return



RECOMMEND P.C.B LAYOUT(Top View)

TOLERANCE FOR PCB LAYOUT IS ± 0.05



 糧德精密有限公司 Amtek Technology Co., Ltd. TEL: 886-2-2260-6878 FAX: 886-2-2260-8030	品名 TITLE	USB 3.1 C TYPE FEMALE SMT R/A TYPE				頁數 Page	1/1
	品號 PART NO.	5US4C17MF-124S0BUH41			繪圖 DRAWN	Alice 2022/04/30	
	圖號 DRAWING NO.	GN195-AB254	版本 REV.	A	核對 CHECKED	Josh 2022/04/30	
	客戶品號 CUSTOMER P/N		比例 SCALE	None	承認 APPROVED	Josh 2022/04/30	
	公差 TOLERANCE	.X: ±0.35 .XX: ±0.25	單位 UNIT	mm	THIRD ANGLE PROJECTION		