

NOTE:

1.MATERIAL SPECIFICATION:

- 1.HOUSING&PICKUP COVER: LCP,UL94 V-0.
- 2.CONTACTS: COPPER ALLOY(C7025)
- 3.LATCH: STAINLESS STEEL(SUS301)
- 4.SPRING: STAINLESS STEEL(SUS304)
- 5.FRONT SHELL: STAINLESS STEEL(SUS304)

2.PLATING SPECIFICATION:

- 2-1.CONTACTS:
Ni 30u" MIN. UNDER PLATED OVER ALL.
Au1u" PLATED ON CONTACT AREA.
80u" TIN PLATED ON SOLDER AREA
- 2-2.FRONT SHELL:
Ni 30u" MIN. UNDER PLATED OVER ALL.
- 2-3.LATCH:
Ni 30u" MIN. UNDER PLATED OVER ALL.
80u" MIN. TIN PLATED ON SOLDER AREA.

2-4.FRONT SHELL:

CLEAR ONLY

3.MECHANICAL PERFORMANCE,

- 3-1.INSERTION FORCE: 0.5~2.0kgf.
- 3-2.REMOVAL FORCE: 0.8kgf~2.0kgf.
- 3-3.DURABILITY: 10000 CYCLES.

4.ELECTRICAL PERFORMANCE,

- 4-1. CURRENT RATING:3.0A
VOLTAGE RATING:5.0V
 - 4-2. LLCR:
VBUS & GND PINS AND OTHER PINS: 40mΩ/PIN MAX.
SHIELD: 50mΩ/MAX.
LLCR MAX. CHANGE OF ALL PINS: 10mΩ.
 - 4-3.INSULATION RESISTANCE: 100MΩ MIN
 - 4-4.DIELECTRIC WITHSTAND VOLTAGE,AC 100V FOR 1 MINUTE.
5. ENVIRONMENTAL PERFORMANCE:
OPERATING TEMPERATURE: -25°C~+85°C.
 - 6.IR REFLOW:
THE PEAK TEMPERATURE ON THE BOARD SHALL
BE MAINTAINED FOR 10 SECONDS AT 260°C.

ORDER INFORMATION

5 U S 4 C 0 1 G M - 1 2 4 S 0 B U H 4 1

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

1:1 Port

No. of
ContactsS0:Selective
Au

H:T/R W/O Cap

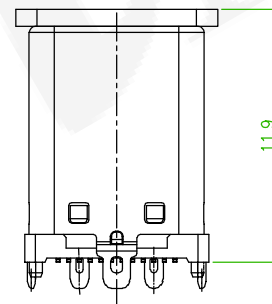
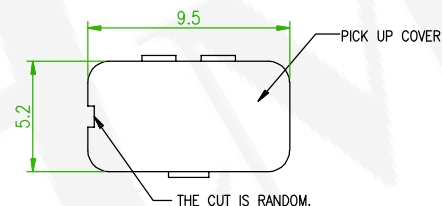
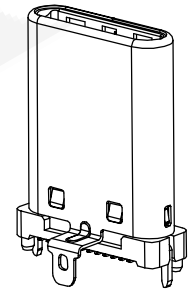
B:Black

RoHS

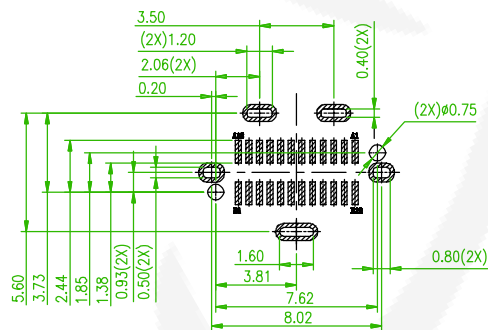
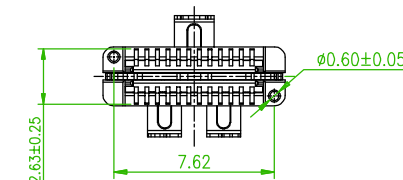
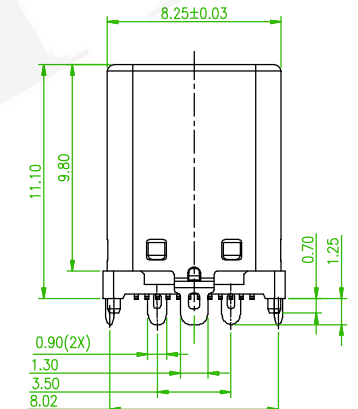
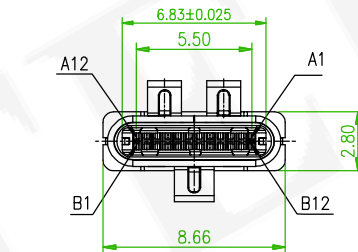
AMTEK 耀德

2020.08.20

Released DCC



AFTER WITH PICKUP COVER

Recommended PCB Layout
(PCB TOLERANCE ±0.05)

 耀德精密有限公司 Amtek Technology Co., Ltd. TEL: 886-2-2260-6878 FAX: 886-2-2260-8030	品名 TITLE	USB 3.1 TYPE C MALE V/T SMT TYPE				頁數 Page	1/1
	品號 PART NO.	5US4C01GM-124S0BUH41				繪圖 DRAWN	Benson 2020/08/20
	圖號 DRAWING NO.	GN195-BN289	版本 REV.	A	核對 CHECKED	Josh 2020/08/20	
	客戶品號 CUSTOMER P/N		比例 SCALE	None	承認 APPROVED	Josh 2020/08/20	
	公差 TOLERANCE	.X: ±0.38 .XX: ±0.25	單位 UNIT	mm	THIRD ANGLE PROJECTION		

REV.	ECN NO. OR DESCRIPTION	REVISED	DATE