

SPECIFICATION

Current Rating: 5A(VBUS PIN 1.5A/PIN)
5A(GND PIN 1.25A/PIN MAX), 0.25A/PIN(OTHER PIN)
Insulation Resistance: 100MΩ Min, at 250V DC
Dielectric Voltage: 100V AC for one minute
Low Level Contact Resistance: Intial 40mΩ Max, After 50mΩ Max
Mating Force: 5~20N
Durability: 10,000 Cycles
Operating Temperature: -40°C to +80°C
Waterproof Rating: IP-X7

MATERIAL

Insulator: Hi-Temp. Thermoplastic, UL94V-0
Contact Pin: Copper Alloy

ORDER INFORMATION

5 U S 4 C 1 0 M F - 1 2 4 G 3 B U H 4 1

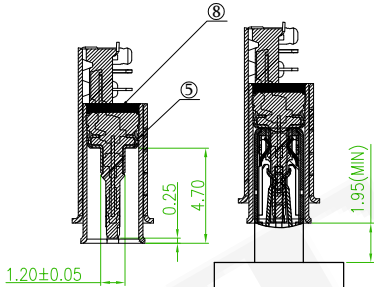
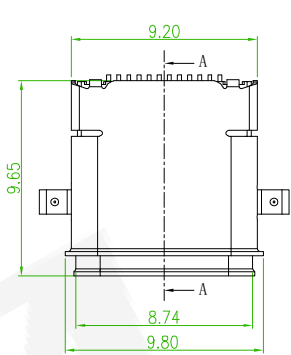
F:Female 1:1 Port No. of contacts G3: Au 3u" B:Black RoHS H:T/R, W/O Cap



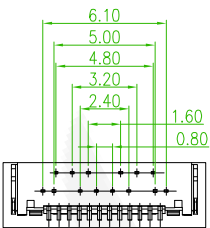
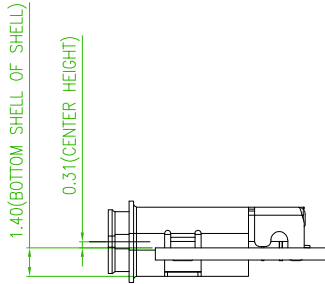
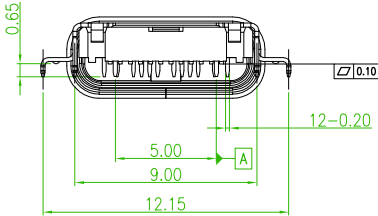
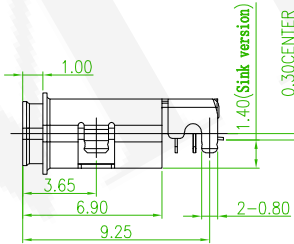
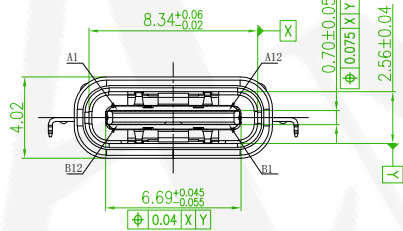
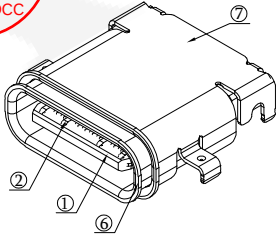
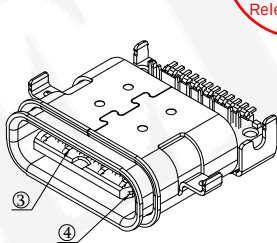
AMTEK 耀德

2021.05.10

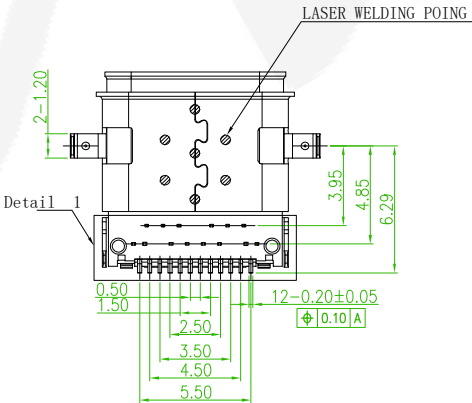
Released DCC



SECTION A-A



Detail 1



LASER WELDING POING

TABLE 1:

⑧	GLUE WATER	1	EPOXY	BLACK	
⑦	Shell-2	1	Stainless steel	NI PLATING;	T=0.20mm
⑥	Shell-1	1	Stainless steel	NI PLATING;	T=0.20mm
⑤	GND PLATE	1	Stainless steel	NI PLATING;	T=0.10mm
④	MID PLATE	1	Stainless steel		T=0.15mm
③	Terminal-B	12	Copper Alloy	Au3u"	T=0.12mm
②	Terminal-A	12	Copper Alloy	Au3u"	T=0.12mm
①	Housing	1	HIGH TEMP	Black	
NO.	PART NAME	QTY	MATERIAL	DESCRIPTION	REMARK


耀德精密有限公司
Amtek Technology Co., Ltd.
TEL: 886-2-2260-6878
FAX: 886-2-2260-8030

品名	USB C TPYE FEMALE R/A SMT TYPE				頁數	1/2
TITLE	5US4C10MF-124G3BUH41				繪圖	Benson
品號	GN195-BN526				DRAWN	2021/04/29
圖號	版本	B	核對	Josh		
DRAWING NO.	REV.		CHECKED	2021/04/29		
客戶品號	比例	None	承認	Josh		
CUSTOMER P/N	SCALE		APPROVED	2021/04/29		
公差	.X ± 0.25	單位	mm	THIRD		
TOLERANCE	.XX ± 0.20	UNIT	mm	ANGLE		
				PROJECTION		

Bx1

Add the Waterproof Rating

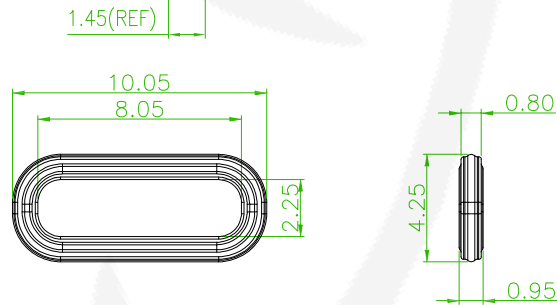
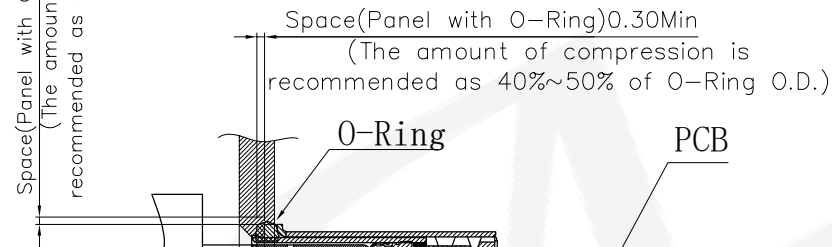
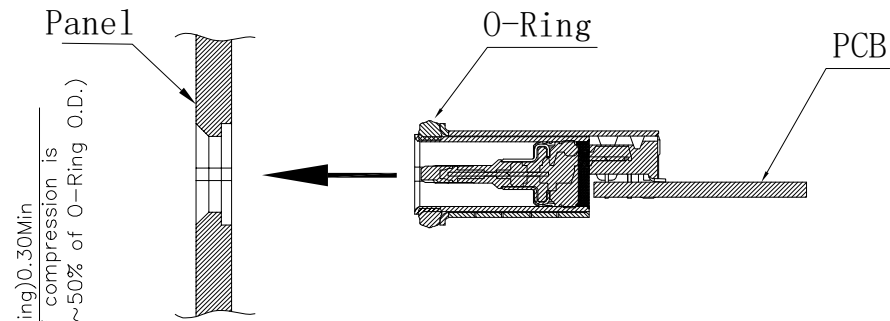
Benson

2021/05/07

ECN NO. OR DESCRIPTION

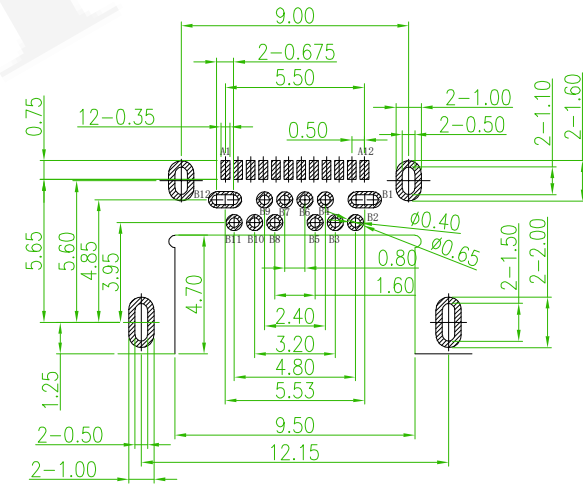
REVISED

DATE



O-Ring

Pin	Signal Name	Mating Sequence	Pin	Signal Name	Mating Sequence
A1	GND	First	B12	GND	First
A2	SSTXp1	Second	B11	SSRXp1	Second
A3	SSTXn1	Second	B10	SSRXn1	Second
A4	V _{BUS}	First	B9	V _{BUS}	First
A5	CC1	Second	B8	SBU2	Second
A6	Dp1	Second	B7	Dn2	Second
A7	Dn1	Second	B6	Dp2	Second
A8	SBU1	Second	B5	CC2	Second
A9	V _{BUS}	First	B4	V _{BUS}	First
A10	SSRXn2	Second	B3	SSTXn2	Second
A11	SSRXp2	Second	B2	SSTXp2	Second
A12	GND	First	B1	GND	First
SHELL		GND	SHELL		GND



RECOMMENDED P.C.B LAYOUT(Both sides are sample)

Tolerance:±0.05,Thickness=0.60mm

 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 C TPYE FEMALE R/A SMT TYPE				頁數 Page	2/2
	品號 PART NO.	5US4C10MF-124G3BUH41				繪圖 DRAWN	Benson 2021/04/29
	圖號 DRAWING NO.	GN195-BN526	版本 REV.	B	核對 CHECKED	Josh 2021/04/29	
	客戶品號 CUSTOMER P/N		比例 SCALE	None	承認 APPROVED	Josh 2021/04/29	
	公差 TOLERANCE	.X ± 0.25 .XX ± 0.20	單位 UNIT	mm	THIRD ANGLE PROJECTION		

REV.	ECN NO. OR DESCRIPTION	REVISED	DATE
	Add the Waterproof Rating	Benson	2021/05/07