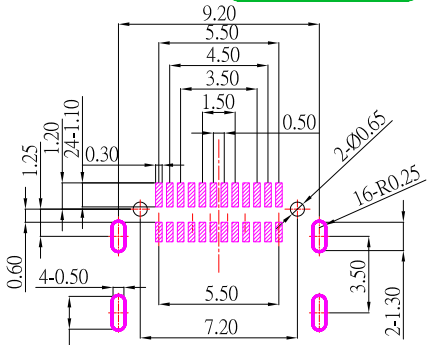
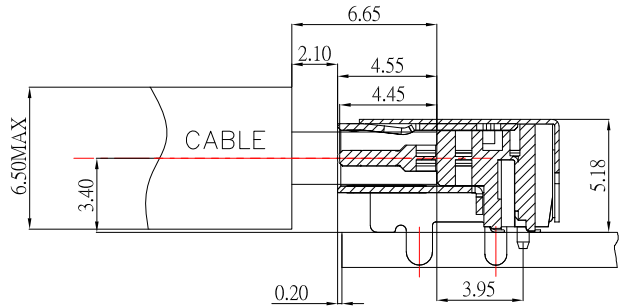
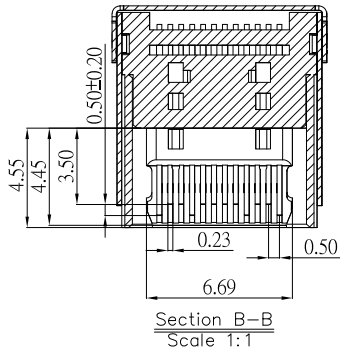
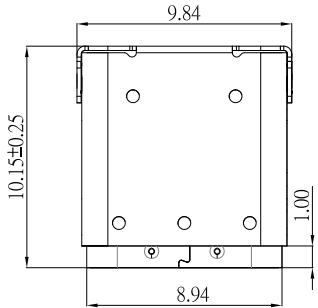


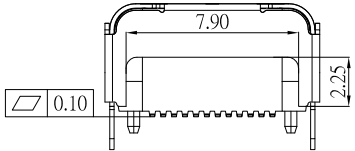
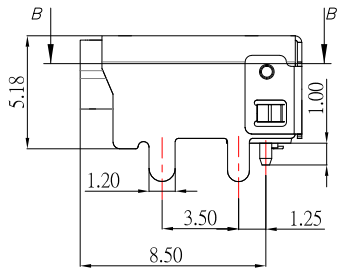
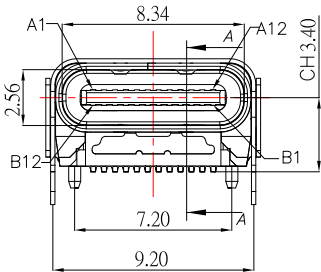
SBC-240S51-45x-S491

鍍層厚度：

Blank : 1u"
2 : 15u"
3 : 30u"

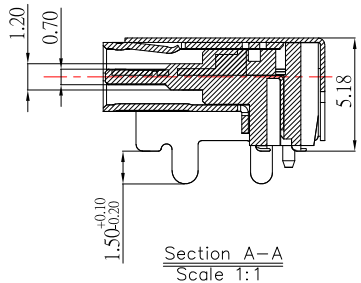
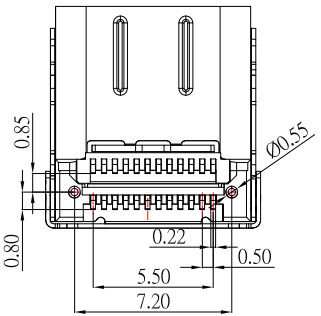


P.C.B LAYOUT



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	Vms	Bus Power	B9	Vms	Bus Power
A5	CC1	Configuration Channel	B8	SB02	Sideband Use (SB0)
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	SB01	Sideband Use (SB0)	B5	CC2	Configuration Channel
A9	Vms	Bus Power	B4	Vms	Bus Power
A10	SSRXp2	Positive half of second SuperSpeed RX differential pair	B3	SSTXp2	Positive 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



SPECIFICATIONS

Electrical:

1. Rating: 20V , 5.0A
- 2.Contact Resistance: 40 mΩ Max
- 3.Insulation Resistance: 100 MΩ Min
- 4.Dielectric Withstanding Voltage: 100V AC

Mechanical:

- 1.Connector Mate and Unmate Force
 - 1.1 Mate force: 5~20 N
 - 1.2 Unmate force: 8~20 N

Material:

- 1.Housing: LCP,Black
- 2.Contact: C18400
- 3.Shell: SUS

Finish:

- 1.Contact: Plated Gold in Mating Area ;
Gold Plated on Solder Balls ;
Nickel under plated overall
- 2.Shell: Nickel under Plated surface layer

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CONTACT TECHNOLOGY CORP.

TOLERANCE UNLESS OTHERWISE STATED :
Up to 5 ±0.2
Above 5 ~ 15 ±0.3
Above 15 ~ 30 ±0.4
Above 30 ~ 50 ±0.5
Angle ±0.3

3RD.
ANGEL'S



UNITS

MM

DRAWN BY: DATE

Jack Lu 09/08/25

CHECKED BY: DATE

Jacky Chen 09/08/25

APPROVED BY: DATE

Tony Kao 09/08/25

MAT'L

FINISH

SCALE

SHEET NO.

TITLE

MODLE

DWG NO.

PART NO.

CONNECTOR

USB 4.0 TYPE C 母座板上 L10.15 板上墊高 CL 3.4mm
外殼腳距3.5 GEN 3X2 40G

SBC-240S51-45x-S491

SBC-240S51-45x-S491

SIZE

A4

VER

R4