



SBC-240M14x-31x-S277

鍍層厚度:

NO.	DIM A	DIM B	DIM C
BLANK	10.0	7.75	6.2
1	8.65	6.4	4.85

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

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	SSTx1p	Positive half of first SuperSpeed TX differential pair	B11	SSRx1p	Positive half of first SuperSpeed RX differential pair
A3	SSTx1n	Negative half of first SuperSpeed TX differential pair	B10	SSRx1n	Negative half of first SuperSpeed RX differential pair
A4	Vbus	Bus Power	B9	Vbus	Bus Power
A5	CC1	Configuration Channel	B8	SR02	Sideband Use (SR0)
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	SR01	Sideband Use (SR0)	B5	CC2	Configuration Channel
A9	Vbus	Bus Power	B4	Vbus	Bus Power
A10	SSRx2p	Negative half of second SuperSpeed RX differential pair	B3	SSTx2p	Positive half of second SuperSpeed TX differential pair
A11	SSRx2n	Positive half of second SuperSpeed RX differential pair	B2	SSTx2n	Negative half of second SuperSpeed TX differential pair
A12	GND	Ground return	B1	GND	Ground return

SPECIFICATIONS

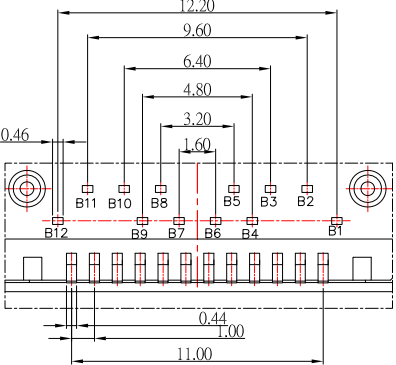
Electrical:

- 1.Rating: 3.0 A , 5V AC
- 2.Dielectric Withstand Voltage: 100V AC
- 3.Contact Resistance: 40 mΩ Max
- 4.Insulation Resistance: 100 MΩ Min

Mechanical:

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

RECOMMENDED P.C.B. LAYOUT



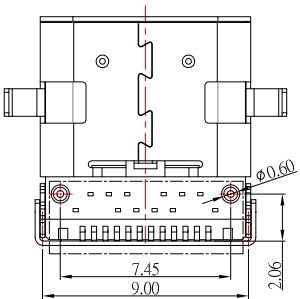
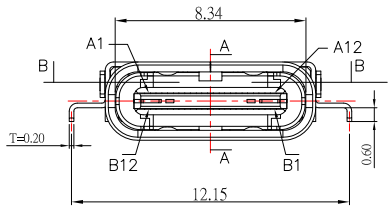
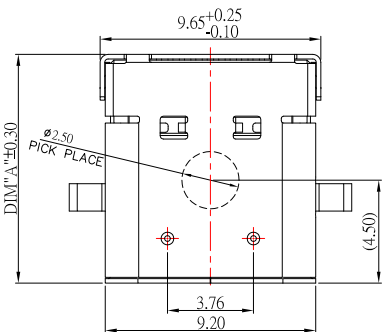
Detail A
Scale 2:1

Material:

- 1.Housing: LCP
- 2.Contact: COPPER ALLOY
- 3.Shell: SUS

Finish:

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



Section A-A
Scale 1:1

SECTION B-B
Scale 1:1

東莞市高迪電子有限公司
DONG GUAN GAO DI ELECTRONICS CO., LTD

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: Jack Lu
CHECKED BY: Jacky Chen
APPROVED BY: Tony Kao

DATE: 12/13/19
DATE: 12/13/19
DATE: 12/13/19

MAT'L
FINISH
SCALE: 1 : 1
SHEET NO. 1 of 1

TITLE: CONNECTOR
MODLE: USB 3.1 TYPE C 母座沉板, 板上 H2.0mm
DWG NO. SBC-240M14x-31x-S277
PART NO. SBC-240M14x-31x-S277

SIZE: A4
VER: R1