

Technical drawing of the SBC-160M12-20x-S242 connector, showing multiple views (Top, Bottom, Side, and Recommended P.C.B. Layout) and dimensions. The drawing includes a RoHS Compliant logo and a table of specifications.

Top View Dimensions:

- Overall Width: 11.35
- Pin Pitch: 2.00 PICK UP AREA
- Pin Spacing: 6.70
- Pin Length: 4.20
- Pin Diameter: 2.80

Bottom View Dimensions:

- Overall Width: 8.94
- Pin Pitch: 2.56
- Pin Spacing: 8.34
- Pin Length: 1.78

Side View Dimensions:

- Overall Height: 5.75
- Pin Height: 3.20
- Pin Diameter: 2.80
- Pin Spacing: 9.33

Recommended P.C.B. Layout Dimensions:

- Overall Width: 8.64
- Pin Pitch: 0.35
- Pin Spacing: 0.60
- Pin Length: 0.80
- Pin Diameter: 1.00

Pin Configuration Table:

PIN	A1	A4	A5	A6	A7	A8	A9	A12
Signal Name	GND	V _{BUS}	CC1	Dp1	Dn1	SBU1	V _{BUS}	GND

PIN	B12	B9	B8	B7	B6	B5	B4	B1
Signal Name	GND	V _{BUS}	SBU2	Dn2	Dp2	CC2	V _{BUS}	GND

Specifications:

- Electrical:**
 - 1. Rating: 3.0 A
 - 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
- Material:**
 - 1. Housing: PA46
 - 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

RoHS Compliant

Blank : 1u"

2 : 15u"

3 : 30u"

CONTACT 建倚科技股份有限公司

CONTACT TECHNOLOGY CORP.

TOLERANCE UNLESS OTHERWISE STATED :

Up to 5	Above 5 ~ 15	Above 15 ~ 30	Above 30 ~ 50	Angle
±0.2	±0.3	±0.4	±0.5	±0.3°

3RD. ANGEL'S

UNITS

MM

DRAWN BY: Jack Lu

DATE: 11/23/20

CHECKED BY: Jacky Chen

DATE: 11/23/20

APPROVED BY: Tony Kao

DATE: 11/23/20

MAT'L

FINISH

SCALE 1 : 1

SHEET NO. 1 of 1

TITLE CONNECTOR

MODLE USB C TYPE 2.0 母座沉板, 板上 H1.78mm

DWG NO. SBC-160M12-20x-S242

PART NO. SBC-160M12-20x-S242

SIZE A4

VER R