



Recommended PCB Layout
(Top View)

Materials and Finish

Housing: High Temp Thermoplastic
UL 94V-0 Rated, Black Color
Shield: Stainless Steel, Nickel Plated
Contact Material:
Copper Alloy
Contact plating:
30u" Gold Plated on Contact Area,
Tin Plated on Solder Tails,
All over Nickel Underplate

Electrical Characteristics

Rated Current:
5.0A Inclusive (1.25A Ea.) For Pins
A4, A9, B4, and B9 (VBUS)
1.25A For pin A5 or B5 (VCONN)
6.25A Inclusive For Pins
A1, A12, B1, and B12 (GND)
0.25A For All Other Pins
Rated Voltage: 20V
Insulation Resistance:
100 Megohms Min. at 250V DC
Contact Resistance:
50 milliohms Max.
Dielectric Withstanding Voltage:
100V AC RMS for 1 Minute
USB Version: 3.1 Gen2 (10Gbps)

Mechanical Characteristics

Insertion Force: 0.4kg - 3.0kg
Withdrawal Force: 0.3kg - 3.0kg
Durability: 10000 Mating Cycles Min.
Operating Temperature:
-40°C to +85°C

Tolerances

X.X ± 0.30
X.XX ± 0.20
Unless Stated
Otherwise



| REV. | DATE | DESCRIPTION | REV. BY | CHK. BY | DRAWN BY | DATE |
|------|----------|--------------------|-------------|-----------|----------|----------|
| A0 | 11/11/15 | New Drawing | W. Cook | H. MA | W. Cook | 08/24/15 |
| A1 | 11/11/15 | Release Drawing | W. Cook | H. MA | | |
| A2 | 04/11/16 | Update Specs | C. Kelleher | W. Cook | | UNITS |
| A3 | 11/03/16 | Add PCB Dimensions | C. Kelleher | W. Cook | | |
| A4 | 11/07/18 | ECO #18-058 | G. Serrato | D. Shehan | | |
| A5 | 03/07/24 | ECO #24-005 | C. Kelleher | W. Cook | | |
| | | | | | | |

KUSBX-SMT-CS4-B30TR

USB Type-C, All SMT Contacts

High Temp, RoHS Compliant

