



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		
A3	11/03/16	Add PCB Dimensions	C. Kelleher	W. Cook	UNITS	mm
A4	11/07/18	ECO #18-058	G. Serrato	D. Shehan		

KUSBX-SMT-CS4-B30TR

USB Type-C, All SMT Contacts

High Temp, RoHS Compliant

