



Material and Finish

Insulator: High Temperature Thermoplastic, UL 94V-0 Rated, Black Color
 Shell: Stainless Steel, Nickel Plated
 Contact Material: Copper Alloy
 Contact Plating: Gold Flash On Contact Area, Matte Tin Plated On Solder Tails, All Over Nickel Underplate

Electrical Characteristics

Rated Current: 5A Collectively For PWR Pins (A4, A9, B4, B9)
 1.25A For Vconn (B5)
 6.25A Collectively For GND Pins (A1, A12, B1, B12)
 0.25A For All Others
 Rated Voltage: 30V AC/DC
 Insulation Resistance: 100 Megohms Min. at 100V DC
 Contact Resistance: 40 milliohms Max. Initial, 50 milliohms Max. After Life Test
 Dielectric Withstanding Voltage: 100V AC (RMS) For 1 Minute

Mechanical Characteristics

Durability: 10,000 Mating Cycles Min.
 Insertion Force: 5N~20N
 Extraction Force (Initial): 8N~20N (After Life Test): 6N~20N
 Operating Temperature: -30°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
A0.1	5/20/19	New Drawing	C. Kelleher	D. Shehan	C. Kelleher	5/15/19
A1	6/26/19	Release Drawing	C. Kelleher	D. Shehan		
A2	10/05/2020	ECO # 20-030	D. Shehan	C. Kelleher		
						UNITS
						mm

KUSBX-SMTH-CSE-F2-BTR

USB TYPE-C, SMT AND T/H LEADS,
 W/FLANGE, GOLD FLASH, 1.75MM LEADS

