



**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 |             |         |
|      |            |                 |             |             |             |         |
|      |            |                 |             |             |             |         |

**KUSBX-SMTH-CSE-F2-BTR**

UNITS  
mm

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

