

Recommended PCB Layout  
(Top View)

**Materials and Finish**

Housing: High Temperature Thermoplastic, UL 94V-0 Rated, Black Color

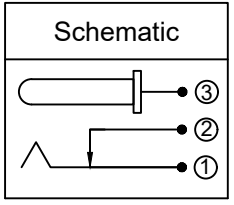
Contact Material:  
Center Pin: Copper Alloy, Nickel Plated  
Contact #1: Copper Alloy, Silver Plated  
Contact #2: Copper Alloy, Silver Plated  
Contact #3: Copper Alloy, Silver Plated

**Electrical Characteristics**

Rated Current: 5A  
Rated Voltage: 20V DC  
Insulation Resistance:  
100 Megohms Min. at 500V DC  
Contact Resistance:  
30 Milliohms Max. (Initial)  
60 Milliohms Max. (After Durability)  
Dielectric Withstanding Voltage:  
500V AC RMS for 1 Minute

**Mechanical Characteristics**

Insertion Force: 0.3 Kg - 3.0 Kg  
Withdrawal Force: 0.3 Kg - 3.0 Kg  
Durability: 5000 Mating Cycles Min.  
Operating Temperature:  
-25°C to +85°C



**PRELIMINARY**  
PART IN DESIGN  
SPECIFICATION SUBJECT TO CHANGE

Part Number	Center Pin Dia.
KLDX-SMT2-0202-ATR-1	Ø2.0 <sup>0</sup> <sub>-0.1</sub>
KLDX-SMT2-0202-BTR-1	Ø2.5 <sup>+0</sup> <sub>-0.1</sub>

Tolerances
X.X ± 0.25
X.XX ± 0.20
Unless Stated Otherwise

**RoHS COMPLIANT**

REV.	DATE	DESCRIPTION	REV. BY	CHK. BY	DRAWN BY	DATE
A0	11/10/22	New Drawing	C. Kelleher	C. Furumasa	C. Kelleher	11/08/22
A0.1	02/01/23	Update Layout	C. Kelleher	C. Furumasa		

**KLDX-SMT2-0202-xTR-1**  
x = Center Pin Option

DC Power Jack, SMT, R/A,  
Tape & Reel, RoHS Compliant

