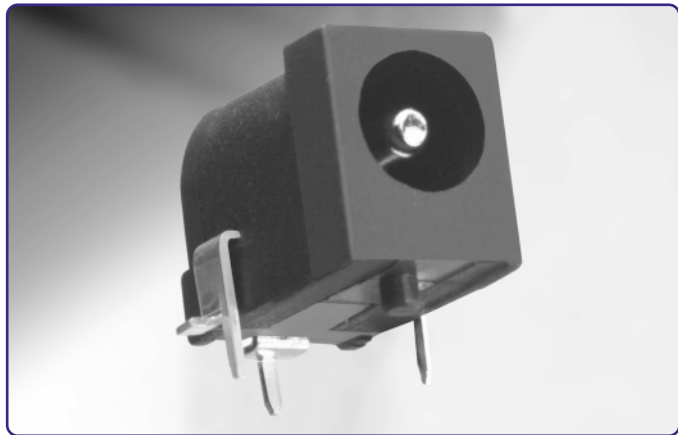




KLD-SMT Series Hybrid DC Power Jack

Features

- 2.0mm and 2.5mm
- Built in DC On/Off Switch
- Screw Machine Contact Center Pin for High Current Capability
- Laptop and Palm Computer, Portable Modems, Radar Detectors, and Other Portable Device Applications
- High Temperature Material For Reflow Compatibility
- Packaged in Tubes for Automated Assembly
- Optional Center Peg Available
- CSA/NRTL Certified File No. LR78160



Performance Specifications

Materials and Finish

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

Center Pin: Brass, Nickel Plated

Contact #1 and #3: Brass, Silver Plated

Contact #2: Phosphor Bronze, Silver Plated



Electrical Characteristics

Contact Resistance

Before Durability Test

Between Terminals: 30 Milliohms Max

Plug to Contacts: 50 Milliohms Max

After Durability Test

Between Terminals: 60 Milliohms Max

Plug to Contacts: 100 Milliohms Max

Rated Voltage

DC 24V

Rated Current

3.5 Amps

Insulation Resistance

100 Megohms Min.

Dielectric Withstanding Voltage

500V AC for 1 Minute

DC POWER CONNECTORS

KLD-SMT Series

Mechanical Characteristics

Durability Test: 5000 Cycles

Insertion Force: 0.3 kg - 2.0 kg

Extraction Force: 0.3 kg - 2.0 kg

Operating Temperature: -25°C to +85°C

Max Reflow Soldering Temperature:

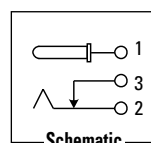
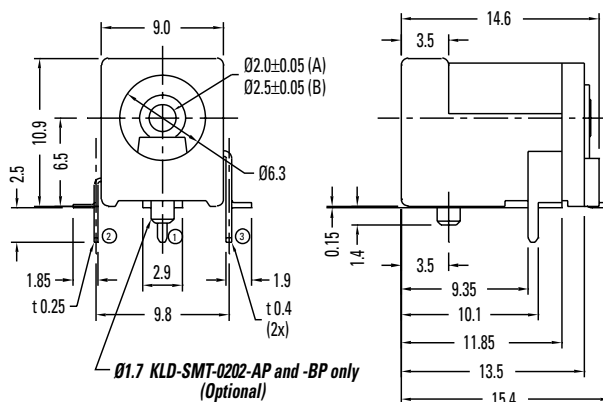
230°C for 30 Seconds

260°C for 10 Seconds

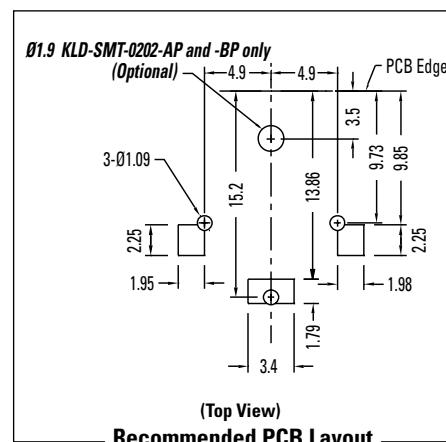
Ordering Information

Part Number	Inner Pin Diameter	Center Peg
KLD-SMT-0202-A	2.0mm±0.05	No
KLD-SMT-0202-AP	2.0mm±0.05	Yes
KLD-SMT-0202-B	2.5mm±0.05	No
KLD-SMT-0202-BP	2.5mm±0.05	Yes

KLD-SMT Series Dimensions



Schematic



(Top View)

Recommended PCB Layout

Dimensions in mm

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Kycon:](#)

[KLD-SMT-0202-BP-TR](#) [KLD-SMT-0202-AP-TR](#) [KLD-SMT-0202-B-TR](#) [KLD-SMT-0202-A-TR](#)