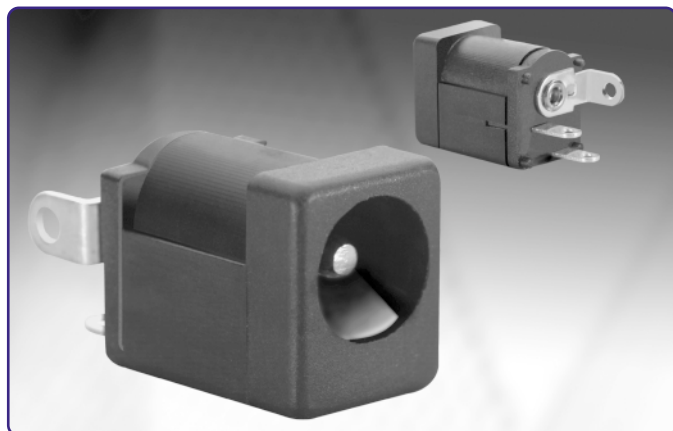




KLDV Series Vertical PCB Mount DC Power Jack

Features



- 2.0mm and 2.5mm
- Mounts Perpendicular to PCB
- Built in DC On/Off Switch
- Screw Machine Contact Center Pin for High Current Capability
- CSA/NRTL Certified File No. LR78160

Performance Specifications

Materials and Finish



Plastic Housing: PBT Thermoplastic, UL94V-0, Black Color

Center Pin: Brass, Nickel Plated

Contact #2: Phosphor Bronze, Tin Plated

Contact #1 and #3: Brass, Tin 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

24V DC

Rated Current

3.5 Amps

Insulation Resistance

100 Megohms Min.

Dielectric Withstanding Voltage

500V AC for 1 Minute

DC POWER CONNECTORS

KLDV-SMT Series

Mechanical Characteristics

Durability Test

5000 Cycles

Insertion Force

0.3kg - 2.0kg

Extraction Force

0.3kg - 2.0kg

Operating Temperature

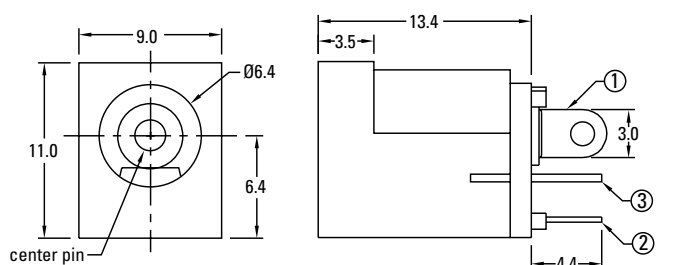
-25°C to +85°C

Ordering Information

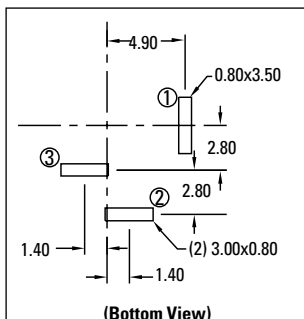
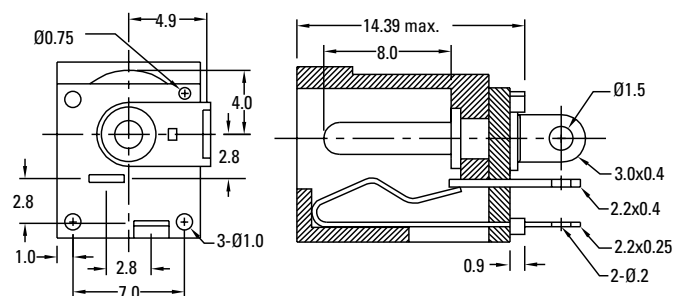
Part Number	Inner Pin Diameter
KLDV-0202-A	2.0mm
KLDV-0202-B	2.5mm

KLDV Series Dimensions

Dimensions in mm

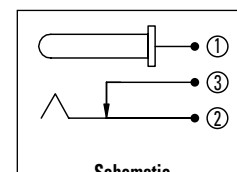


(Rear View)

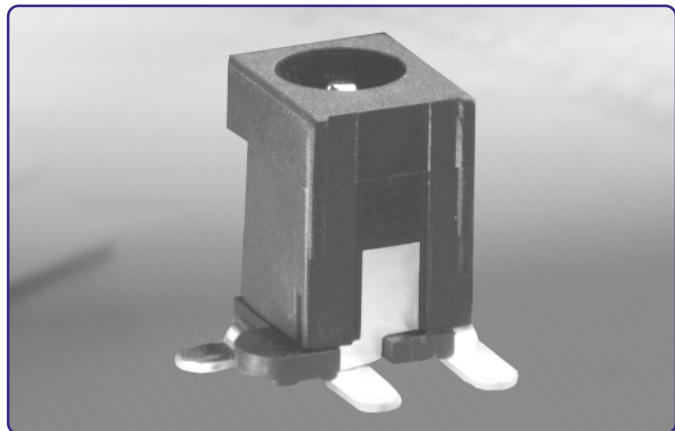


(Bottom View)

Recommended PCB Layout



Schematic



KLDV-SMT Series Vertical Surface Mount DC Power Jack

Features



- 2.0mm and 2.5mm
- Mounts Perpendicular to PCB
- Built in DC On/Off Switch
- Screw Machine Contact Center Pin for High Current Capability
- CSA/NRTL Certified File No. LR78160
- Packaged in Tape & Reel for Automated Assembly

Performance Specifications

Materials and Finish

Plastic Housing:

NY6T High Temperature Thermoplastic, UL94V-0, Black Color

Center Pin:

Copper Alloy, Nickel Plated

Contact #2:

Phosphor Bronze, Silver Plated

Contact #1 and #3:

Brass, 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

16V DC

Rated Current

3.0 Amps

Insulation Resistance

100 Megohms Min.

Dielectric Withstanding Voltage

500V AC for 1 Minute

DC POWER CONNECTORS

KLDV-SMT Series

Mechanical Characteristics

Durability Test

5000 Cycles

Insertion Force

0.3kg - 2.0kg

Extraction Force

0.3kg - 2.0kg

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
KLDV-SMT-02-A-TR	2.0mm
KLDV-SMT-02-B-TR	2.5mm

KLDV-SMT Series Dimensions

Dimensions in mm

