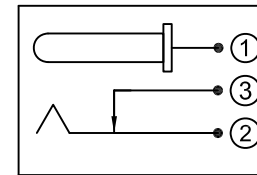


Recommended PCB Layout
(Top View)



Schematic

Material and Finish

Main Housing: LCP
 Bottom Cover: PA9T
 UL94V-0, Color: Black
 Center Pin: Copper, Nickel Plated
 Contact #1: Brass, Silver Plated
 Contact #2: Phosphor Bronze, Silver Plated
 Contact #3: Brass, Silver Plated

Electrical Characteristics

Rated Voltage: 16V DC
 Rated Current: 3.5 Amps

Contact Resistance

Before Test:
 Between Terminals:
 30 milliohms Max.
 Plug to Contacts:
 50 milliohms Max.

After Test:
 Between Terminals:
 60 milliohms Max.
 Plug to Contacts:
 100 milliohms Max.

Insulation Resistance:
 100 Megohms Min. at 500V DC

Dielectric Withstanding Voltage:
 500V AC for 1 minute

Mechanical Characteristics

Durability Test: 5000 cycles
 Insertion Force: 0.3kg-3.0kg
 Extraction Force: 0.3kg-3.0kg
 Operating Temp: -25°C to +85°C
 Reflow Temperature:
 230°C for 30 sec.
 260°C max

| Part Number | Center Post Diameter | Packaging |
|------------------|----------------------|-------------------------|
| KLDVX-SMT-02-ATR | Ø2.00 | Tape & Reel (TR option) |



| Tolerances |
|-------------------------|
| X.X ± 0.25 |
| X.XX ± 0.15 |
| Unless Stated Otherwise |

| REV. | DATE | DESCRIPTION | REV. BY | CHK. BY | DRAWN BY | DATE |
|------|----------|-------------|------------|---------|------------|----------|
| A1 | 10/04/05 | New Drawing | R. Aguirre | H. MA | R. Aguirre | 10/04/05 |
| A2 | 11/15/05 | ECO#05-064 | R. Aguirre | H. MA | | |
| A3 | 11/24/08 | ECO# 08-088 | S. Vien | H. MA | | |
| | | | | | | |
| | | | | | | |

KLDVX-SMT-02-A

Power Jack, Vertical SMT, RoHS Compliant

Ø2.0mm Center Pin

