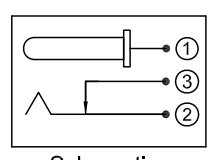


Recommended PCB Layout
(Top View)



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. Vlen	H. MA		
A4	08/19/10	ECO# 10-058	S. Vlen	H. MA		

KLDVX-SMT-02-A

Power Jack, Vertical SMT, RoHS Compliant

Ø2.0mm Center Pin

