



Recommended PCB Layout
(Top View)

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

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.

Rated Voltage: 16V DC
Rated Current: 3.5 Amps
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



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

REV.	DATE	DESCRIPTION	REV. BY	CHK. BY	DRAWN BY	DATE
A1	06/26/06	New Drawing	R. Aguirre	H. MA	R. Aguirre	06/22/06
A2	11/24/08	ECO# 08-088	S. Vien	H. MA		
A3	08/20/10	ECO# 10-058	S. Vien	H. MA		
A4	05/06/13	ECO #13-015	W. Cook	P. DalCanto	UNITS	mm
A5	06/20/13	ECO #13-041	W. Cook	P. DalCanto		
A6	08/03/18	Address Update	G. Serrato	D. Shehan		

KLDVX-SMT02-BKTTR

Power Jack, Vertical SMT with Kapton tape ,RoHS Compliant

Tape and Reel Packaging, Ø2.5mm Center Pin

