



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		
A5	06/20/13	ECO #13-041	W. Cook	P. DalCanto		
					UNITS	
					mm	

KLDVX-SMT02-BKTTR

Power Jack, Vertical SMT with Kapton tape, RoHS Compliant

Tape and Reel Packaging, Ø2.5mm Center Pin

