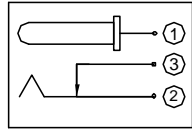
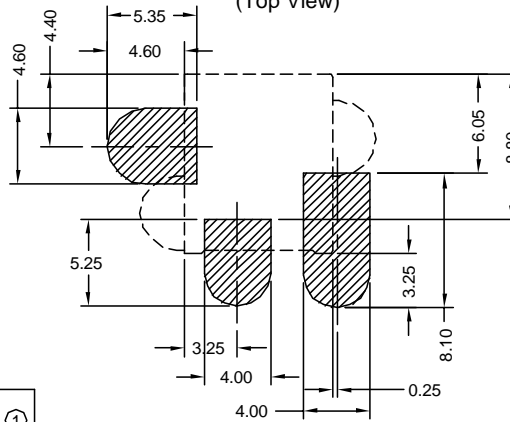


Recommended PCB Layout (Top View)



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**

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

Part Number	Center Post Diameter	Packaging
KLDV-SMT-02-B-TR	Ø2.50	Tape & Reel (TR option)

Tolerances	
X.X	± 0.2
X.XX	± 0.1
Angles	± 2°
Unless Specified Otherwise	

CSA NRTL/C Certified File No. LR78160

REVISION	DATE	DESCRIPTION	DRAWN BY	CHECKED BY	UNITS
B4	3/13/02	REF ECO 01-213	K. Wallace	C. Furumasa	mm
B5	12/09/04	#ECO 04-065	REVISED BY	CHECK DATE	DATE
B6	11/07/05	#ECO 05-064	R. Aquirre	11/7/05	7/9/99

KLDV-SMT-02-B

Power Jack, Vertical SMT

Ø2.5mm Center Pin

