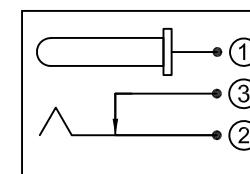
Recommended PCB Layout  
(Top View)

Schematic

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

**RoHS COMPLIANT**  
EU Directive 2002/95/EC



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

REV.	DATE	DESCRIPTION	REV. BY	CHK. BY	DRAWN BY	DATE	UNITS
A2	11/15/05	ECO#05-064	R. Aguirre	H. MA	R. Aguirre	10/04/05	mm
A3	11/24/08	ECO# 08-088	S. Vien	H. MA			
A4	08/19/10	ECO# 10-058	S. Vien	H. MA			
A5	05/06/13	ECO #13-015	W. Cook	P. DalCanto			
A6	06/20/13	ECO #13-041	W. Cook	P. DalCanto			
A7	08/03/18	Address Update	G. Serrato	D. Shehan			

KLDVX-SMT-02-A

Power Jack, Vertical SMT, RoHS Compliant  
Ø2.0mm Center Pin

**KYCON**

**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