



Recommended PCB Layout  
(Top View)

**Material and Finish**

Insulator: PBT Thermoplastic with Glass-fiber Reinforcement, UL 94V-0 Rated, Color: Black

Shell: Steel, Nickel Plated

Contact Material:  
Plug - Phosphor Bronze

Contact Plating Options:  
Standard: Gold Flash on Mating End, Tin on Termination End, Nickel Underplate on Entire Contact  
15 Option: 15u" Gold on Mating End, Tin on Termination End, Nickel Underplate on Entire Contact

30 Option: 30u" Gold on Mating End, Tin on Termination End, Nickel Underplate on Entire Contact

**Electrical Specifications**

Rated Current: 2A  
Rated Voltage: 30V RMS  
Insulation Resistance: 1000 Megohms Min. at 500V DC  
Contact Resistance: 13 milliohms Max.  
Dielectric Withstanding Voltage: 1000V for 1 Minute

**Mechanical Specifications**

Operating Temperature: -55°C to +105°C

Part Number	Contact Area Plating Finish
K31X-E9P-NJ	Gold Flash (Standard)
K31X-E9P-NJ15	15u" Gold (15 Option)
K31X-E9P-NJ30	30u" Gold (30 Option)



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

REV.	DATE	DESCRIPTION	REV. BY	CHK. BY	DRAWN BY	DATE
A1	03/24/06	New Drawing	R. Aguirre	H. MA	R. Aguirre	03/23/06
A2	3/6/08	ECO #07-051	S. Vien	H. MA		
A3	10/01/12	ECO #12-052	S. Vien	P. DalCanto		
A4	12/31/17	ECO #17-041	G. Serrato	C. Furumasa		
						UNITS
						mm

**K31X-E9P-NJ**

D-Sub, 9Pin, Plug, Ultra Compact Footprint

Jackscrews Installed, RoHS Compliant

