



Recommended P.C. Board Layout
(Top View)

Material and Finish

Shell: Steel, tin plated

Insert: PBT Thermoplastic,
Black Color, 30%
Glass Filled,
UL 94V-0 Rated

Contact Material:
Plug- Brass

Contact Plating:
Standard:
Gold flash over Nickel on
contacts, Tin over
Nickel on soldertails

15 Option:
15u" Gold over Nickel on
contacts, Tin over
Nickel on soldertails

30 Option:
30u" Gold over Nickel on
contacts, Tin over
Nickel on soldertails

Electrical Specifications

- Rated Current: 2A
- Rated Voltage: 30V RMS
- Withstanding Voltage:
500V (rms) AC for 1 minute
- Insulation Resistance:
more than 1000 Megohm
at 500v DC
- Contact Resistance:
13 milliohm Max.
- Dielectric Strength:
1000V for 1 minute
- 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		
						UNITS
						mm

K31X-E9P-NJ

9 pin D-Sub, plug, Ultra Compact Footprint

with jackscrews installed, RoHS Compliant

