

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-N	Gold Flash (standard)
K31X-E9P-N15	15u" Gold (15 option)
K31X-E9P-N30	30u" Gold (30 option)



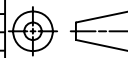
Tolerances
X.X ± 0.25
X.XX ± 0.15
Unless Stated Otherwise

REV.	DATE	DESCRIPTION	REV. BY	CHK. BY	DRAWN BY	DATE
A1	07/07/05	New Drawing	R. Aguirre	H. MA	R. Aguirre	7/07/05
A2	3/6/08	ECO #07-051	S. Vien	H. MA		

**K31X-E9P-N**

9 pin D-Sub, plug, RoHS Compliant

Ultra Compact Footprint



UNITS  
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