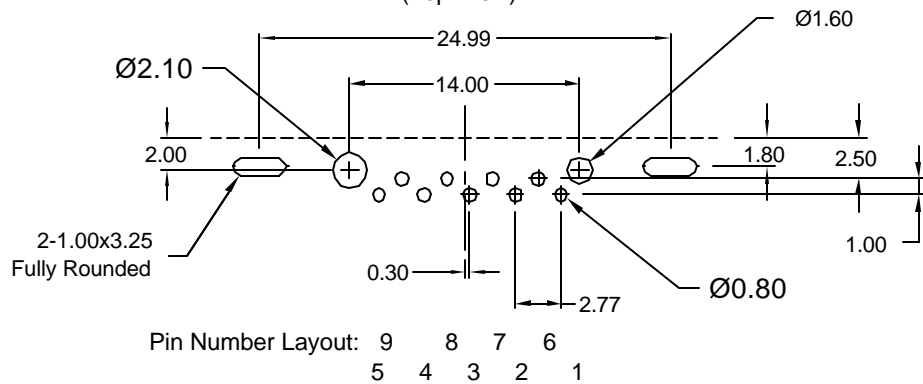


Recommended P.C. Board Layout  
(Top View)



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

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)

**Material And Finish**

Shell: Steel Material, Tin Plated or Zinc 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**

Contact Current Rating: 5A

Rated Voltage: 300V DC

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

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

**K31X-E9P-N**

9 pin D-Sub, plug, RoHS Compliant

Ultra Compact Footprint

