



Pin Numbering: 6 11 2 8 13 4 10 15  
1 7 12 3 9 14 5

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:  
Socket - 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-E15S-N	Gold Flash (Standard)
K31X-E15S-N15	15u" Gold (15 Option)
K31X-E15S-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	12/21/05	New Drawing	R. Aguirre	H. MA	R. Aguirre	12/21/05
A2	08/24/07	ECO 07-036	R. Aguirre	H. MA		
A3	03/06/08	ECO #07-051	S. Vien	H. MA		
A4	06/04/08	Remove Dim.	S. Vien	H. MA		UNITS
A5	10/01/12	ECO #12-052	S. Vien	P. DalCanto		
A6	12/31/17	ECO #17-041	G. Serrato	C. Furumasu		

**K31X-E15S-N**

D-Sub, 15 pin High Density, Female

Ultra Compact Footprint, RoHS Compliant

