



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

Recommended PCB Layout
(Top View)

Part Number	Contact Area Plating Finish
K31X-E15S-NJ	Gold Flash (Standard)
K31X-E15S-NJ15	15u" Gold (15 Option)
K31X-E15S-NJ30	30u" Gold (30 Option)

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



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

REV.	DATE	DESCRIPTION	REV. BY	CHK. BY	DRAWN BY	DATE
A1	02/21/07	New Drawing	R. Aguirre	H. MA	R. Aguirre	02/21/07
A2	08/24/07	ECO 07-036	R. Aguirre	H. MA		
A3	3/6/08	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-NJ

D-Sub, High Density, Female, 15 Pin, RoHS Compliant

Ultra Compact Footprint, Jackscrews Installed



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