



Recommended PCB Layout  
(Top View)

Part Number	Contact Area Plating Finish
K31X-B25S-N	Gold Flash (Standard)
K31X-B25S-N15	15u" Gold (15 Option)
K31X-B25S-N30	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	10/04/05	New Drawing	R. Aguirre	H. MA	R. Aguirre	10/04/05	
A2	3/6/08	ECO #07-051	S. Vien	H. MA			
A3	10/01/12	ECO #12-052	S. Vien	P. DalCanto			
A4	12/31/17	ECO #17-041	G. Serrato	C. Furumasa			
						UNITS	
						mm	

**K31X-B25S-N-x**

x = Plating Option and/or ESD

D-Sub, 25 Pin Female, RoHS Compliant

Ultra Compact Footprint

