



Recommended PCB Layout (Bottom View)

Part Number	Contact Area Plating Finish
K42X-C37S/P-A4NJ	Gold Flash (standard option)
K42X-C37S/P-A4NJ15	15u" Gold (15 option)
K42X-C37S/P-A4NJ30	30u" Gold (30 option)

Material and Finish

- Shell: Steel, Nickel plated
- Insulator: PBT thermoplastic with glass-fiber reinforcement, UL94V-0 rated, Color: Black
- Contact Material:
 - Socket - Phosphor Bronze
 - Plug - Brass
- 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: 1.2A
- Rated Voltage: 30V RMS
- Insulation Resistance: more than 1000 megohms at 500V DC
- Contact Resistance: 13 milliohms max.
- Dielectric Withstanding Voltage: 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	11/25/09	New Drawing	S. Vien	H. MA	S. Vien	11/13/09
A2	12/31/17	ECO #17-037	G. Serrato	C. Furumasu		
A3	03/22/19	ECO #19-020	H. MA	D. Shehan		
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K42X-C37S/P-A4NJ

D-Sub, Dual Port, RoHS Compliant

37 Female/Male, 0.750" Spacing, Boardlocks, JS

