



Recommended PC Board Layout
(Top Front View)

Part Number	Contact Area Plating Finish
K42X-E9P/S-A4N	Gold Flash (standard option)
K42X-E9P/S-A4N15	15u" Gold (15 option)
K42X-E9P/S-A4N30	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: Plug - Brass, 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: 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	6/26/06	New Drawing	R. Aguirre	H. MA	R. Aguirre	05/05/06
A2	6/20/07	ECO #07-018	A. Frederick	H. MA		
A3	03/14/08	ECO #07-049	S. Vien	H. Ma	UNITS	mm
A4	12/31/17	ECO #17-037	J. Elbanna	C. Furumasu		
A5	03/27/19	ECO #19-020	H. MA	D. Shehan		

K42X-E9P/S-A4N

9 Male / 9 Fem D-Sub, 0.750" Spacing
w/ 4 Gnd. Brackets, RoHS Compliant

