



Recommended PC Board Layout
(Top Front View)

Material and Finish

Shell: Steel, nickel plated
 Insulator: PBT thermoplastic with glass-fiber reinforcement, UL94V-0 rated
 Color: Black
 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: 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

Ordering Information

Part Number	Contact Area Plating Finish
K42X-E9S/S-A4NJ	Gold Flash (standard)
K42X-E9S/S-A4NJ15	15u" Gold (15 option)
K42X-E9S/S-A4NJ30	30u" Gold (30 option)

Tolerances

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

RoHS COMPLIANT



REV.	DATE	DESCRIPTION	REV. BY	CHK. BY	DRAWN BY	DATE
A1	10/28/05	New Drawing	R. Aguirre	H. MA	R. Aguirre	10/28/05
A2	6/14/07	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	04/03/19	ECO #19-020	H. MA	D. Shehan		

K42X-E9S/S-A4NJ

9 Fem / 9 Fem D-Sub, 0.750" Spacing

w/ 4 Gnd. Brackets, installed jackscrews, RoHS Compliant

