



Recommended PC Board Layout (Top View)

| Part Number | Contact Area Plating Finish |
|-------------------|------------------------------|
| K42X-A15P/S-A4N | Gold Flash (standard option) |
| K42X-A15P/S-A4N15 | 15u" Gold (15 option) |
| K42X-A15P/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 | 11/16/06 | New Drawing | H. MA | C. Furumasu | H. MA | 11/16/06 |
| A2 | 6/18/07 | ECO #07-018 | A. Frederick | H. MA | | |
| A3 | 03/13/08 | ECO #07-049 | S. Vien | H. Ma | | |
| A4 | 12/31/17 | ECO #17-037 | J. Elbanna | C. Furumasu | | |
| A5 | 03/07/19 | ECO #19-020 | H. MA | D. Shehan | | |

K42X-A15P/S-A4N

15 Male/15 Female Stacked D-Sub, RoHS Compliant

0.750" Spacing w/ Boardlocks

