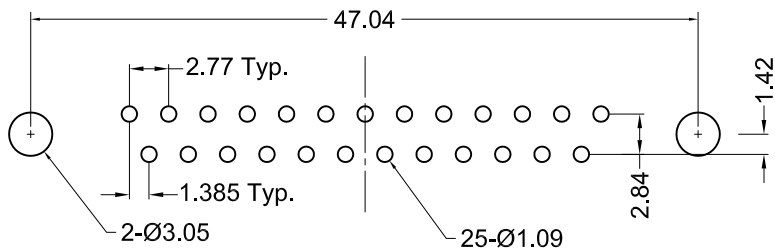


Recommended PCB Layout



| Part Number       | Contact Area Plating Finish |
|-------------------|-----------------------------|
| K85X-BD-25S-BRJ   | Gold Flash (standard)       |
| K85X-BD-25S-BRJ15 | 15u" Gold (15 option)       |
| K85X-BD-25S-BRJ30 | 30u" Gold (30 option)       |

**Material and Finish**

Shell: steel, nickel plated  
 Insulator: PBT with glass-fiber reinforcement, UL 94V-0 rated, color-black

Contact Material:  
 Socket: Brass

Contact Plating:

Standard:  
 Gold flash on mating end, tin on termination end, with entire contact nickel underplated

-15 Option:  
 15u" gold on mating end, tin on termination end, with entire contact nickel underplated

-30 Option:  
 30u" gold on mating end, tin on termination end, with entire contact nickel underplated

**Electrical Specifications**

Rated Current: 2A  
 Rated Voltage: 30V RMS  
 Withstanding Voltage: 500V (rms) AC for 1 minute  
 Insulation Resistance: more than 1000 Megohm at 500V DC  
 Contact Resistance: 13 milliohm max.  
 Dielectric Strength: 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    |
|------|----------|-----------------|------------|-------------|----------|---------|
| A0   | 3/14/05  | New Drawing     | H. MA      | C. Furumasu | H. MA    | 3/14/05 |
| A1   | 4/14/05  | Release Drawing | H. MA      | N/A         |          |         |
| A2   | 1/8/08   | ECO #07-052     | WILL H.    | H. MA       |          |         |
| A3   | 12/31/17 | ECO #17-030     | J. Elbanna | C. Furumasu |          |         |

**K85X-BD-25S-BRJ**

Vertical PCB Mount D-Sub, 25 Pin Female,

Boardlocks w J/S, RoHS Compliant

