



Recommended PCB Layout  
(Top View)

**Material and Finish**

- Shell: Steel, Nickel plated
- Insulator: PBT thermoplastic with glass-fiber reinforcement, UL94V-0 rated  
Color: Black
- Contact Material:  
Socket - 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: 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 |
|------------------|-----------------------------|
| K85X-CD-37S-KJ   | Gold Flash (standard)       |
| K85X-CD-37S-KJ15 | 15u" Gold (15 option)       |
| K85X-CD-37S-KJ30 | 30u" Gold (30 option)       |



| Tolerances              |
|-------------------------|
| X.X ± 0.25              |
| X.XX ± 0.15             |
| Unless Stated Otherwise |

| REV. | DATE     | DESCRIPTION | REV. BY    | CHK. BY     | DRAWN BY | DATE     |
|------|----------|-------------|------------|-------------|----------|----------|
| A1   | 04/28/08 | New Drawing | S. Vien    | H. MA       | S. Vien  | 04/28/08 |
| A2   | 08/10/11 | ECO #11-053 | S. Vien    | H. MA       |          |          |
| A3   | 12/31/17 | ECO #17-030 | G. Serrato | C. Furumasu |          |          |
|      |          |             |            |             | UNITS    |          |
|      |          |             |            |             | mm       |          |

**K85X-CD-37S-KJ**

Vertical PCB Mount D-Sub, RoHS Compliant

Jackscrews Installed, 37 Pin Female with Threaded Bushings

