



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:
 Plug - 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-37P-K | Gold Flash (standard) |
| K85X-CD-37P-K15 | 15u" Gold (15 option) |
| K85X-CD-37P-K30 | 30u" Gold (30 option) |

RoHS COMPLIANT



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

| REV. | DATE | DESCRIPTION | REV. BY | CHK. BY | DRAWN BY | DATE |
|------|----------|-------------|------------|-------------|------------|----------|
| A1 | 12/19/05 | New Drawing | R. Aguirre | H. MA | R. Aguirre | 12/19/05 |
| A2 | 1/9/08 | ECO #07-052 | WILL H. | H. MA | | |
| A3 | 08/10/11 | ECO #11-053 | S. Vien | H. MA | | |
| A4 | 12/31/17 | ECO #17-030 | G. Serrato | C. Furumasa | | |
| | | | | | | UNITS |
| | | | | | | mm |

K85X-CD-37P-K

Vertical PCB Mount D-Sub, RoHS Compliant

37 Position Male

