



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	Gold Flash (standard)
K85X-CD-37S-15	15u" Gold (15 option)
K85X-CD-37S-30	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	1/17/06	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. Furumasu		
A5	12/06/23	Correct Pin Numbers	C. Kelleher	C. Furumasu		

K85X-CD-37S

Vertical PCB Mount D-Sub, RoHS Compliant

37 Pin Female, Precision Formed Contacts

