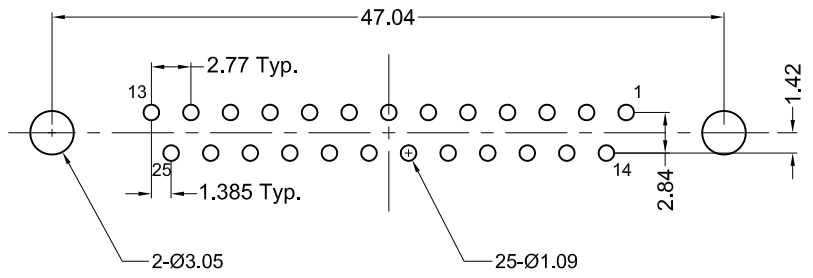


Recommended PCB Layout (top view)



**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

**Ordering Information**

Part Number	Contact Area Plating Finish
K85X-BD-25S-K	Gold Flash (standard)
K85X-BD-25S-K15	15u" Gold (15 option)
K85X-BD-25S-K30	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	2/13/06	New Drawing	R. Aguirre	H. MA	R. Aguirre	10/13/05
A2	1/8/08	ECO #07-052	WILL H.	H. MA		
A3	12/31/17	ECO #17-030	J. Elbanna	C. Furumasu		
					UNITS	
					mm	

**K85X-BD-25S-K**

Vertical PCB Mount D-Sub ,RoHS Compliant  
 25 pos. female, 4-40 riveted threaded bushing

