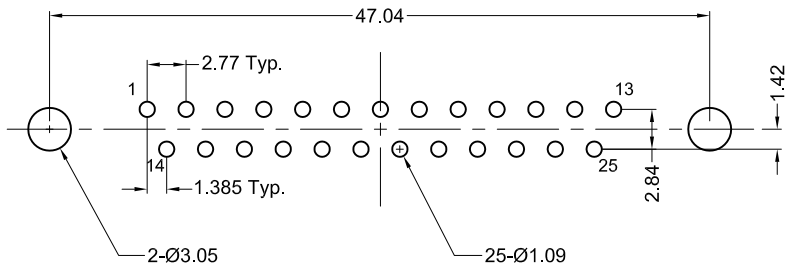


Recommended PCB Layout
(top view)



Material And Finish

Shell: Steel Material, Nickel Plated

Insert: PBT Thermoplastic,
Black Color, 30%
Glass Filled, UL 94V-0 Rated

Contact Material:
Plug - 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

Contact Current Rating: 2A

Rated Voltage: 30V RMS

Dielectric Withstanding Voltage:
1000V (rms) AC for 1 minute

Insulation Resistance:
more than 1000 Megohm
at 500V DC

Dielectric Withstanding Voltage-
1000 VAC rms for 1 minute

Contact Resistance:
13 milliohm max.

Operating Temperature
-55°C to +105°C

Ordering Information

| Part Number | Contact Area Plating Finish |
|-----------------|-----------------------------|
| K85X-BD-25P-K | Gold Flash (standard) |
| K85X-BD-25P-K15 | 15u" Gold (15 option) |
| K85X-BD-25P-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 | 10/13/05 | New Drawing | R. Aguirre | H. MA | R. Aguirre | 10/13/05 |
| A2 | 1/09/08 | ECO # 07-052 | WILL H. | H. MA | | |
| A3 | 12/31/17 | ECO #17-030 | J. Elbanna | C. Furumasu | | |
| | | | | | UNITS | |
| | | | | | mm | |

K85X-BD-25P-K

Vertical PCB Mount D-Sub ,RoHS Compliant

25 pin male, 4-40 riveted threaded bushing

