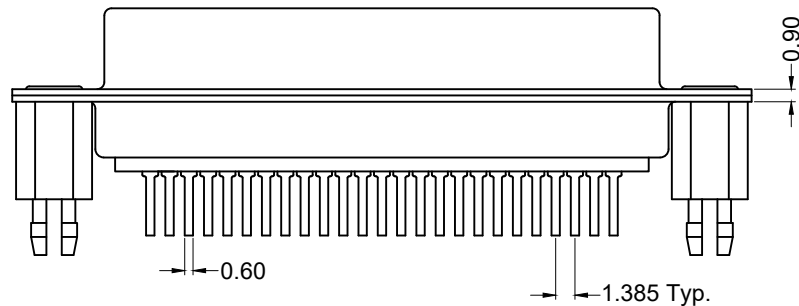
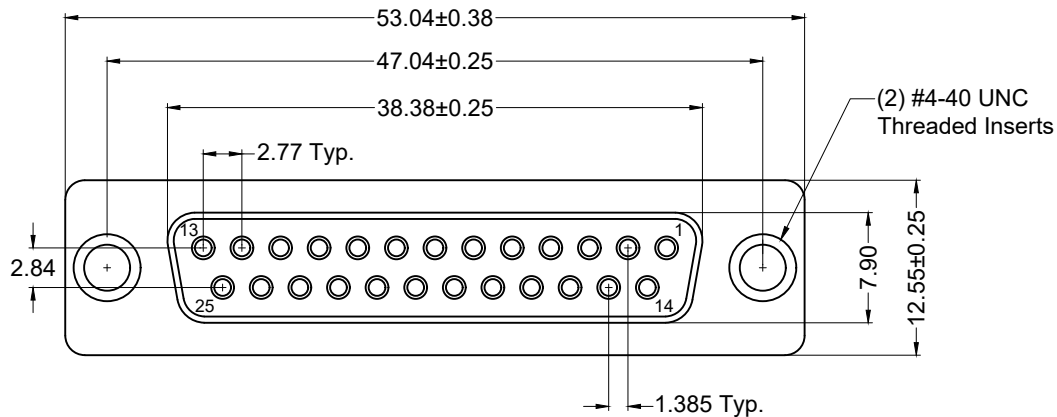
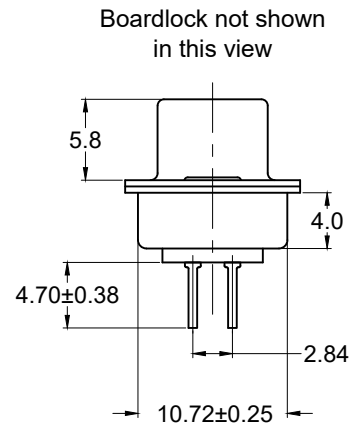


Recommended PCB Layout
(Top View)



Boardlock not shown
in this 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 $+105^{\circ}\text{C}$

Part Number	Contact Area Plating Finish
K85X-BD-25S-BR	Gold Flash (standard)
K85X-BD-25S-BR15	15u" Gold (15 option)
K85X-BD-25S-BR30	30u" Gold (30 option)

RoHS COMPLIANT

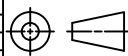
cULus
E140125

CS
LR78160

Tolerances

X.X ± 0.25
X.XX ± 0.15
Unless Stated
Otherwise

REV.	DATE	DESCRIPTION	REV. BY	CHK. BY	DRAWN BY	DATE
A1	03/18/09	New Drawing	S. Vien	H. MA	S. Vien	02/26/09
A2	12/31/17	ECO #17-030	J. Elbanna	C. Furumasa		
A3	09/23/25	ECO #25-061	K.Wang	C.Kelleher		



K85X-BD-25S-BR

D-Sub, HD, Vertical, RoHS Compliant

25 Pin, Female, Threaded BoardLocks

