

K85R1X/K85R2X Series Right Angle PCB Mount Open Body

Ordering Information

Series	Shell Size	Contact Construction	Number of Contacts	Contact Type	Mounting Options	Plating Options
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Series

K85R1X - Kycon D-Subminiature Connector, Right Angle PCB Termination .283" (7.2 mm) Foot Print

K85R2X - Kycon D-Subminiature Connector, Right Angle PCB Termination .370" (9.4 mm) European Foot Print

Shell Size

E - 9 Contacts
A - 15 Contacts
B - 25 Contacts

Contact Construction

D - Precision Formed Right Angle

Number of Contacts

9, 15, 25

Pin Contact Type

P - Pin Contact (Plug)
S - Socket Contact (Receptacle)

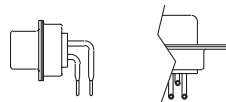
Plating Options and Performance Specifications

D-SUBMINIATURE CONNECTORS K85R1X / K85R2X Series

Mounting Options *

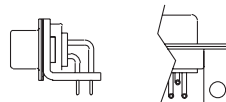
*Metric Jack Screws also available.

No Designator - No Mounting Brackets



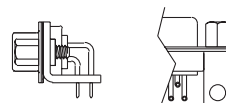
O -

Mounting Brackets with .120" Dia. Non-Threaded Mounting Holes and Riveted Threaded Inserts



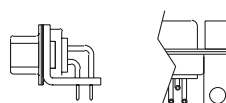
OJ -

Mounting Brackets with .120" Dia. Non-Threaded Mounting Holes and Riveted Threaded Inserts with JS-1054-40 Hex Jackscrews Installed



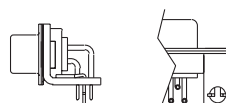
OR -

Mounting Brackets with .120" Dia. Non-Threaded Mounting Holes with 4-40 Round Jackscrews Riveted to Connector



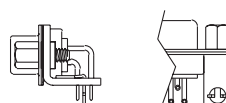
N -

Mounting Brackets with Grounding Boardlocks and Riveted Threaded Inserts



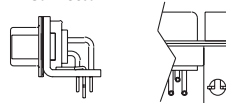
NJ -

Mounting Brackets with Grounding Boardlocks and Riveted Threaded Inserts with JS-1055-4-40 Hex Jackscrews Installed



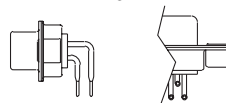
NR -

Mounting Brackets with Grounding Boardlocks and Riveted Threaded Inserts with 4-40 Round Jackscrews Riveted to Connector



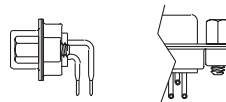
K -

(No Mounting Brackets) Riveted Threaded 4-40 Bushings



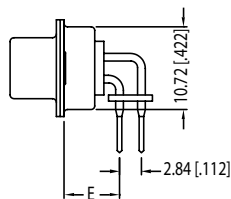
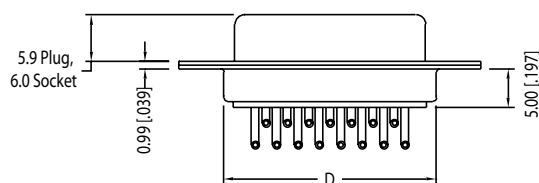
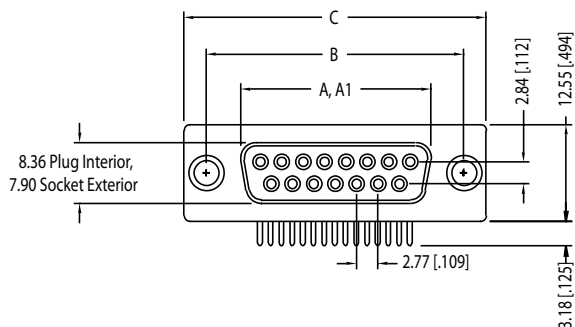
KJ -

(No Mounting Brackets) Riveted Threaded 4-40 Bushings with JS-1055-4-40 Hex Jackscrews Installed



K85R1X/K85R2X Dimensions

Standard with No Mounting Brackets



Dimensions in mm

Number of Contacts (Shell Size)	Dimensions in mm K85R1X/K85R2X				
	A	A1	B	C	D
9 (E)	16.33	16.92	24.99	30.81	20.19
15 (A)	24.66	25.25	33.32	39.14	27.51
25 (B)	38.38	38.96	47.04	53.04	41.96

Series	E Dimension	F Dimension
K85R1X	7.2mm	8.47mm
K85R2X	9.4mm	10.82mm

A = Exterior of Female Shell (S)

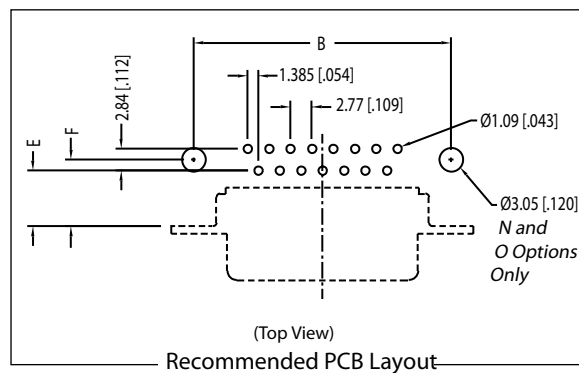
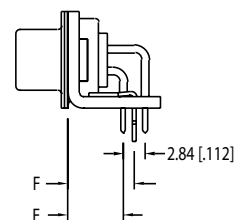
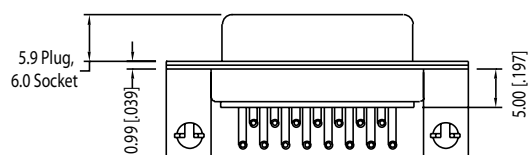
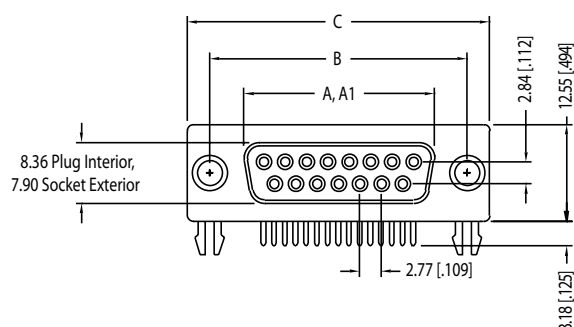
A1 = Interior of Male Shell (P)

D-SUBMINIATURE CONNECTORS

K85R1X / K85R2X Series

K85R1X/K85R2X Dimensions

With Mounting Brackets, and Grounding Board Locks



KYCON continues its leadership in D-Subminiature connectors by offering a complete line of sizes and options.

PC99 Colors Available:

- HD15: Blue
- DB15: Gold
- DB25: Burgundy
- DB09: Teal



D-SUBMINIATURE CONNECTORS

Performance Specifications

Materials and Finish

Shell

Steel Material, Tin or Nickel Finish, and Indentations (Dimples) on Plug Only

Insert

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

Reflow Compatible: High Temperature Thermoplastic, Black Color,
30% Glass Filled, 94V-0 Rated

Contact Material

Plug : Brass .040 (1.00) Diameter Standard; .030 (0.76) Diameter High Density

Socket: Phosphor Bronze (Precision Formed Contact)

Brass (Precision Machined Contact)

Contact Finish-Standard

Gold Flash Over 0.0001 (0.00254) Nickel on Mating End of Contacts

Tin Over Nickel or Gold Flash Over Nickel on Solder Tails

Riveted Insert

Brass Material, Nickel Finish

Mechanical Characteristics

Durability

500 Insertion Cycles Min

Operating Temperature Rating

-55°C to +105°C

Electrical Characteristics

Contact Current Rating

5A

Contact Resistance

30 Milliohms Max

Dielectric Withstanding Voltage

1000 V AC Min for 1 Minute

Insulation Resistance

1000 Megohms Min, at 500 V DC

Processing Characteristics

Soldering Temperature Rating

High Temperature Plastic: 260 °C for 10 Seconds

Plating Options

Designator	Plating Description
Standard	Gold Flash over Nickel on Contacts. Gold Flash over Nickel or Tin over Nickel on Solder Tails.
15	15µ" Gold over Nickel on Mating End of Contacts. Tin over Nickel on Solder Tails.
30	30µ" Gold over Nickel on Mating End of Contacts. Tin over Nickel on Solder Tails.