



**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
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						

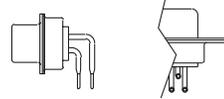
**D-SUBMINIATURE CONNECTORS**

**K85R1X / K85R2X Series**

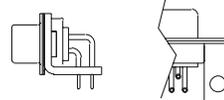
**Mounting Options \***

\*Metric Jack Screws also available.

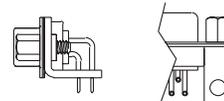
No Designator - No Mounting Brackets



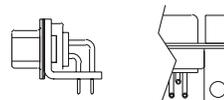
O - Mounting Brackets with .120" Dia. Non-Threaded Mounting Holes and Riveted Threaded Inserts



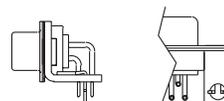
OJ - Mounting Brackets with .120" Dia. Non-Threaded Mounting Holes and Riveted Threaded Inserts with JS-1054-40 Hex Jackscrews Installed



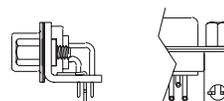
OR - Mounting Brackets with .120" Dia. Non-Threaded Mounting Holes with 4-40 Round Jackscrews Riveted to Connector



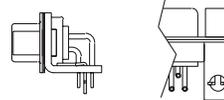
N - Mounting Brackets with Grounding Boardlocks and Riveted Threaded Inserts



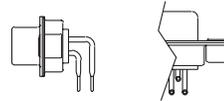
NJ - Mounting Brackets with Grounding Boardlocks and Riveted Threaded Inserts with JS-1055-4-40 Hex Jackscrews Installed



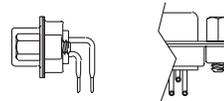
NR - Mounting Brackets with Grounding Boardlocks and Riveted Threaded Inserts with 4-40 Round Jackscrews Riveted to Connector



K - (No Mounting Brackets) Riveted Threaded 4-40 Bushings

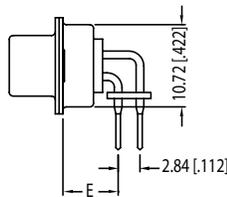
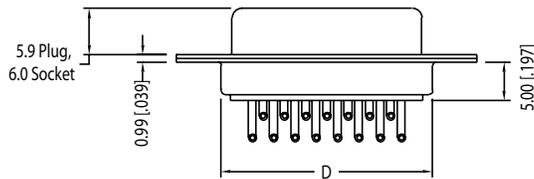
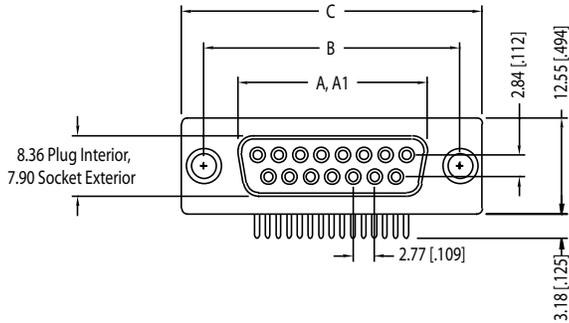


KJ - (No Mounting Brackets) Riveted Threaded 4-40 Bushings with JS-1055-4-40 Hex Jackscrews Installed



**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

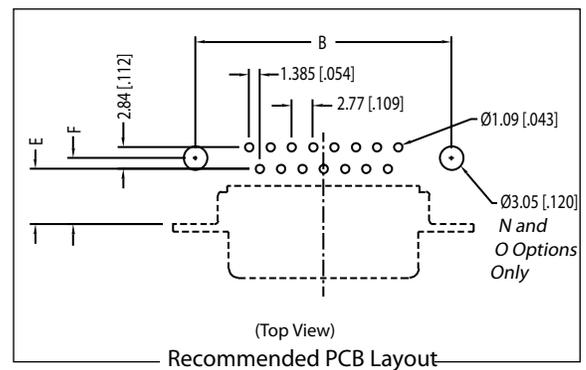
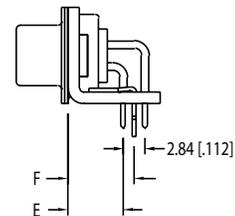
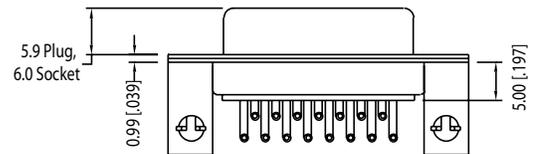
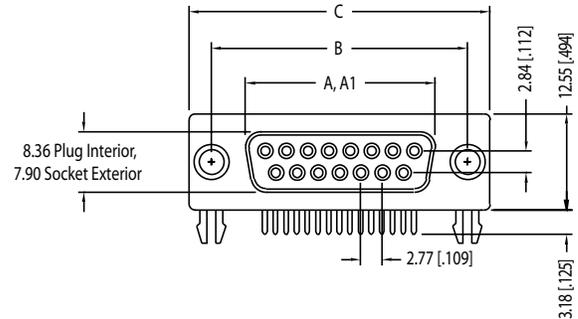
Series	E Dimension	F Dimension
K85R1X	7.2mm	8.47mm
K85R2X	9.4mm	10.82mm

A = Exterior of Female Shell (S)

A1 = Interior of Male Shell (P)

**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.