

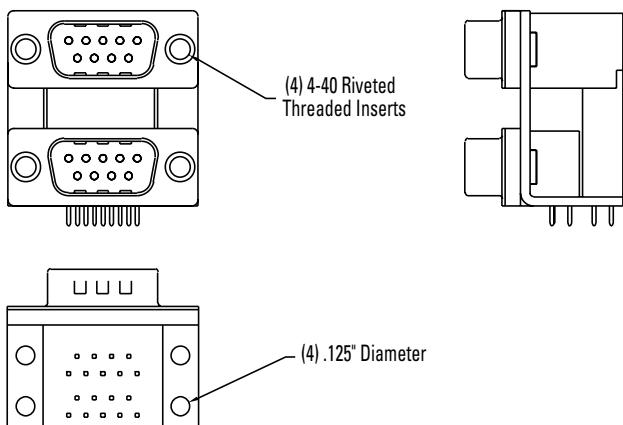




## Mounting Options K42, KF42

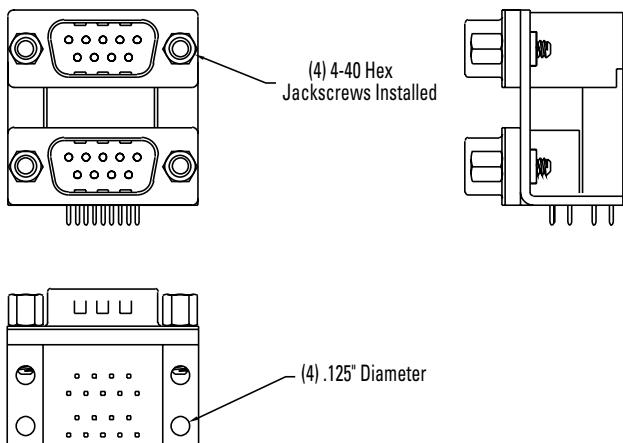
### Standard

With .125 Diameter Mounting Holes and 4-40 Riveted Threaded Inserts



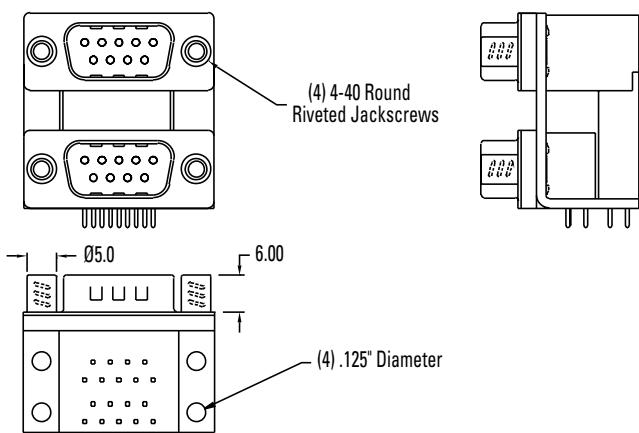
### J

With .125 Diameter Mounting Holes and 4-40 Hex Jack Screws Installed



### R

With .125 Diameter Mounting Holes and 4-40 Round Jack Screws Riveted to Connector

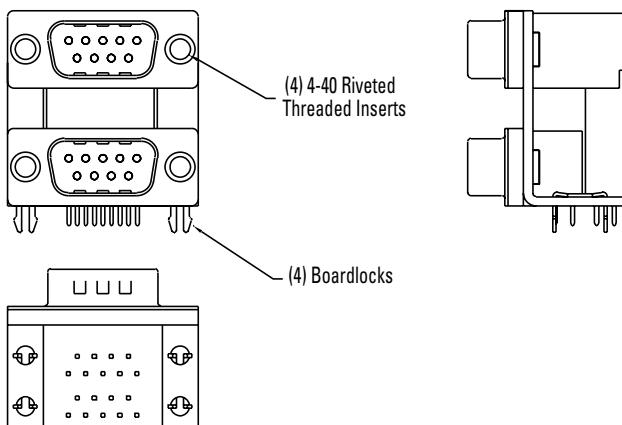


## MULTIPORT D-SUBMINIATURE

### Mounting Options

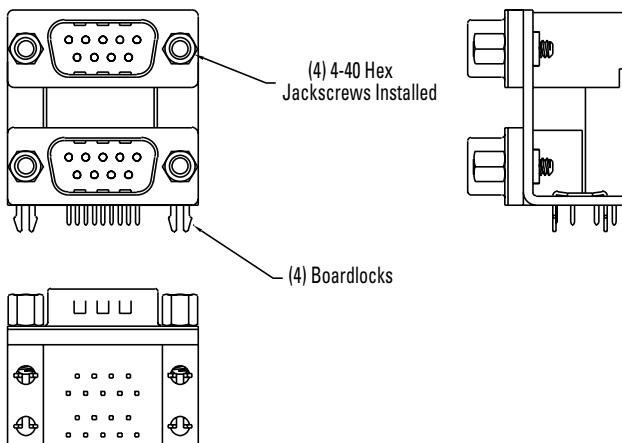
### 4N

With Four Board Locks and 4-40 Riveted Threaded Inserts



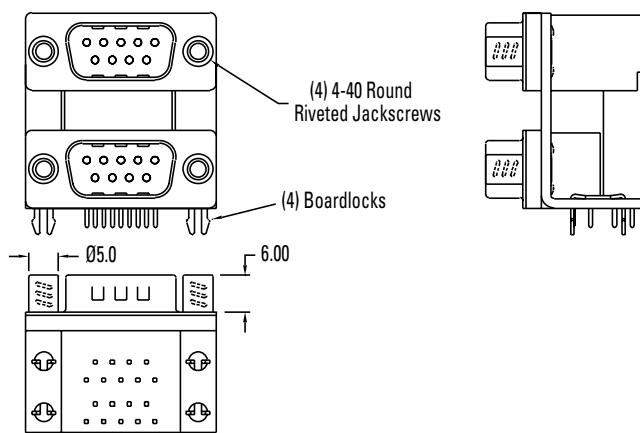
### 4NJ

With Four Board Locks and 4-40 Hex Jack Screws Installed



### 4NR

With Four Board Locks and 4-40 Round Jack Screws Riveted to Connector





**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 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**

Pin: Brass .040 (1.02) 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/Lead Over Nickel or Gold Flash Over Nickel on Solder Tails

##### **Riveted Insert**

Brass Material, Nickel Finish

#### **Mechanical Characteristics**

##### **Contact Retention**

Precision Machined Contact 10 Lbs, Precision Formed Contact 10 Lbs

##### **Contact Extraction Force**

Typ. 4 Oz.

##### **Contact Insertion Force**

Typ. 9 Oz.

##### **Durability**

1,000 Insertion Cycles Min (With Standard Plating)

##### **Operating Temperature Rating**

-55°C to +125°C

#### **Electrical Characteristics**

##### **Contact Current Rating**

Precision Machined Contact 7.6 Amps

Precision Formed Contact 5.0 Amps (Except K99 Series)

##### **Contact Resistance**

Precision Machined Contact 5 Milliohms Max

Precision Formed Contact 8 Milliohms Max

##### **Dielectric Withstanding Voltage**

1000 V AC Min for 1 Minute

##### **Insulation Resistance**

5000 Megohms Min

#### **Processing Characteristics**

##### **Soldering Temperature Rating**

High Temperature Plastic: 230°C for 30 Seconds, 260°C for 10 Seconds

#### **Plating Options**

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

# Mouser Electronics

Authorized Distributor

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[KF42-E9P/S-C4NJ](#) [KF42X-B25S/S-A4NJ](#) [KF42X-E15S/S-A4NJ](#) [KF42X-E9P/S-C4NJ](#) [KF42X-A15P/S-A4N](#)