



Ordering Information

KF42	–	B		25		S	/	S	–	A		4N	
Series		Shell Size		Number of Contacts		Top Connector Gender		Bottom Connector Gender		Center to Center Distance		Mounting Options	

KF42-Kycon Dual-Port D-Subminiature Connector with Ferrite

E-9 Contacts
A-15 Contacts
B-25 Contacts
E-15 Contacts (High Density)

9, 15, 25

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

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

A-.750"

B-.900"

C-.625"

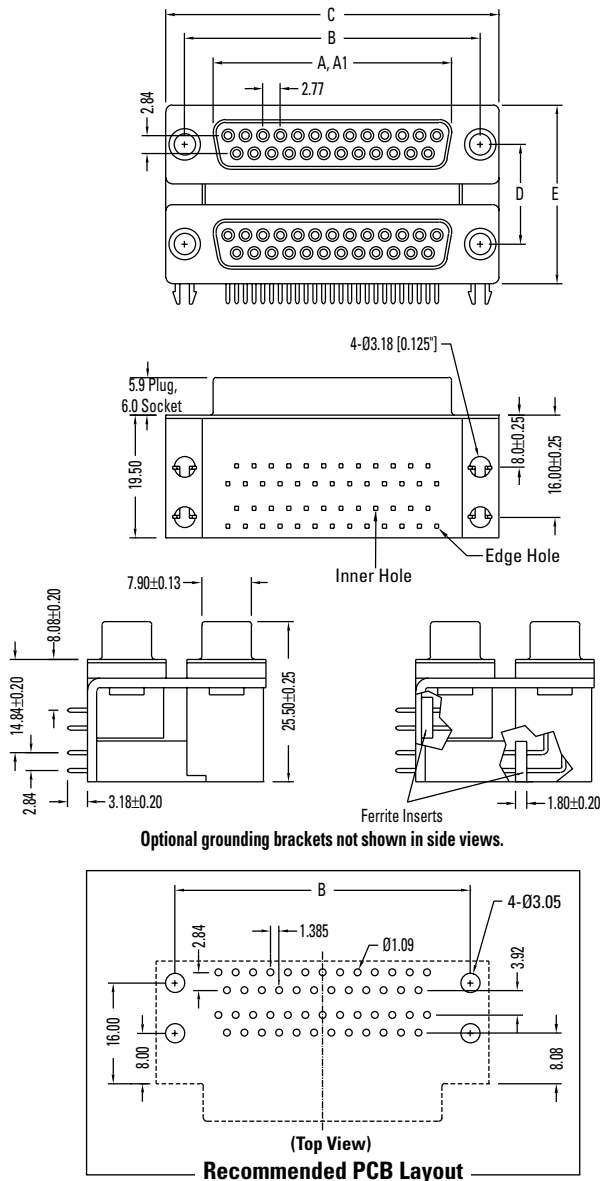
Plating Options and Performance Specifications (see page 4)

Ferrite Specifications

Test Frequency	Edge Hole	Inner Hole
30 Mhz	17-27 Ohms	22-30 Ohms
50 Mhz	22-30 Ohms	29-37 Ohms
100 Mhz	29-34 Ohms	35-40 Ohms

KF42 Series

Pictured with Board Lock Option, Dimensions in mm [In]



Number of Contacts (Shell Size)	Dimensions (Inch/mm)			
	A	A1	B	C
9 (E)	.643	.666	.984	1.213
	16.33	16.92	24.99	30.81
15 (A)	.971	.994	1.312	1.541
	24.66	25.25	33.32	39.14
25 (B)	1.511	1.534	1.852	2.088
	38.38	38.96	47.04	53.04

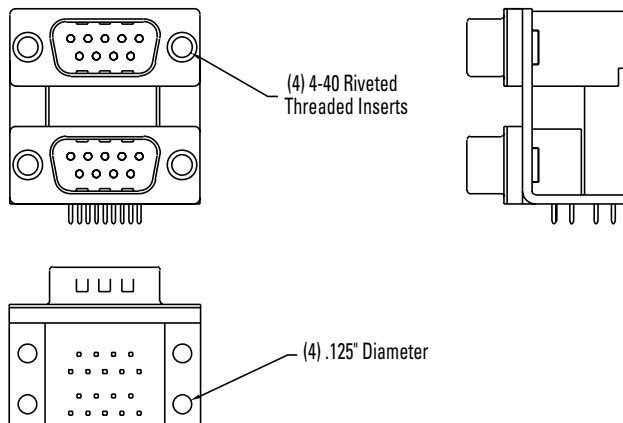
Center to Center Spacing	D	E
A	.750	1.244
	19.05	31.60
B	.900	1.394
	22.86	35.41
C	.625	1.119
	15.88	28.42

A1 = Interior of Male Shell (P)

Mounting Options K42, KF42

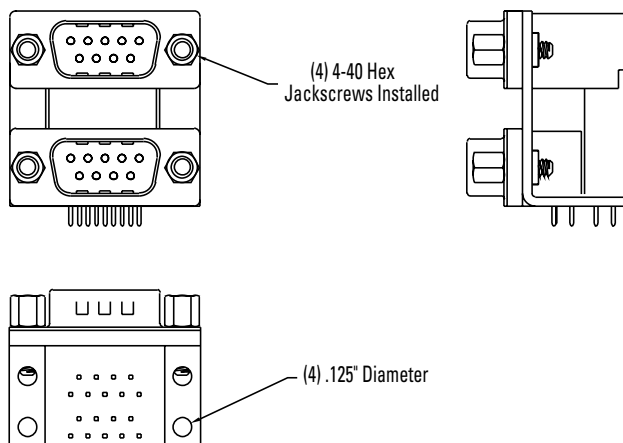
Standard

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



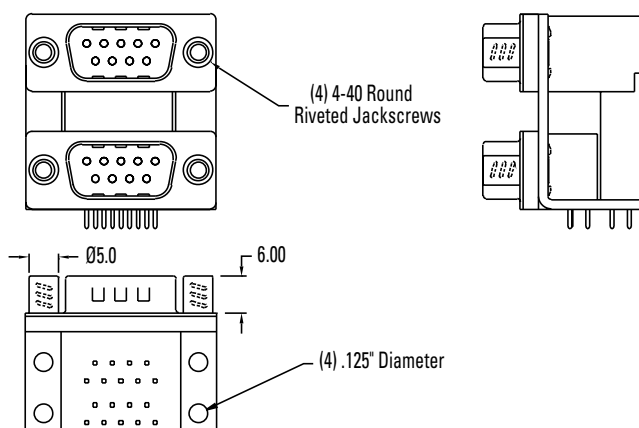
J

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

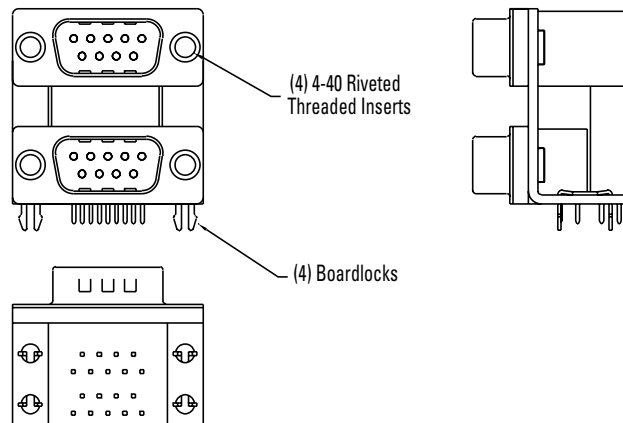


MULTIPORT D-SUBMINIATURE

Mounting Options

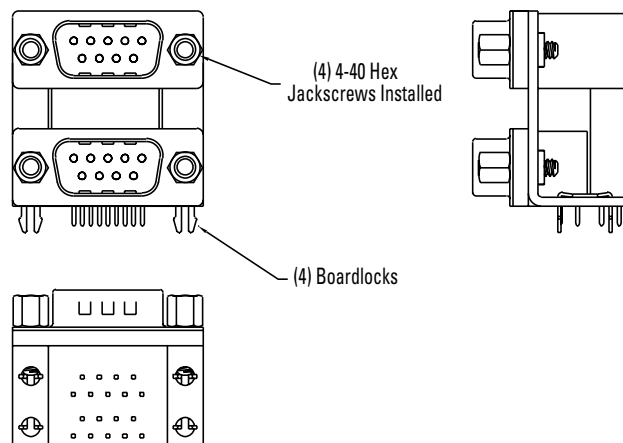
4N

With Four Board Locks and 4-40 Riveted Threaded Inserts



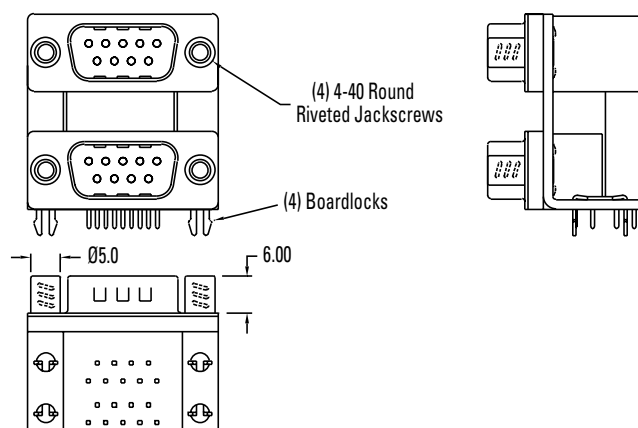
4NJ

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



KYCON Tech Support: **1-888-KYCON-22**
or E-mail: sales@kycon.com

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](#)