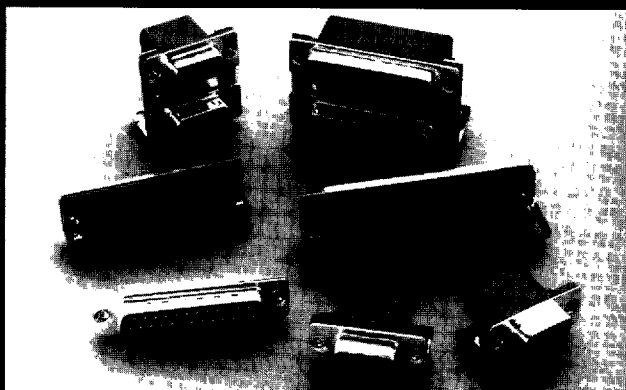




KYCON D-Subminiature Connectors



Features

- CSA Certified File No. LR78160 
- UL Recognized File No. E140125 
- Meets EIA, RS232C and RS449 Standards for Data Communication Input/Output Connectors
- Bright Tin Shells for Exceptional Conductivity and Grounding
- Indentations (Dimples) for Exceptional Grounding and Mating Retention
- D Shape Connector Mating and Polarization

Performance Specifications

Materials and Finish

Shell

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

Insert

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

Contact Material

Pin: Brass .040 (1.02) Diameter
Socket: Phosphor Bronze

Contact Finish

Gold Flash Over 0.0001 (0.00254) Nickel on Entire Contact Area with Additional 0.000008 (0.000203) Gold on Mating End of Pin for a Length of .196 (5.0) Min. and .118 (3.0) Min. on the Socket for a Total of 0.00001 (0.000254) Min. of Gold on Mating Area

Riveted Insert

Brass Material, Nickel Finish

Mechanical Characteristics

Contact Retention

Precision Machined Contact 10 Lbs
Precision Formed Contact 10 Lbs

Contact Separation Force

4 Oz. Min

Contact Engagement Force

9 Oz. Max

Durability

500 Insertion Cycles Min
1,000 Insertion Cycles Min with Nominal Machined Contact Pins

Electrical Characteristics

Contact Current Rating

Precision Machined Contact 7.6 Amps
Precision Formed Contact 5.0 Amps

Contact Resistance

Precision Machined Contact 5 Milliohms Max
Precision Formed Contact 8 Milliohms Max

Dielectric Withstanding Voltage

1000 V AC Min

Insulation Resistance

5000 Megohms Min

Temperature Rating

-55° To + 125°C

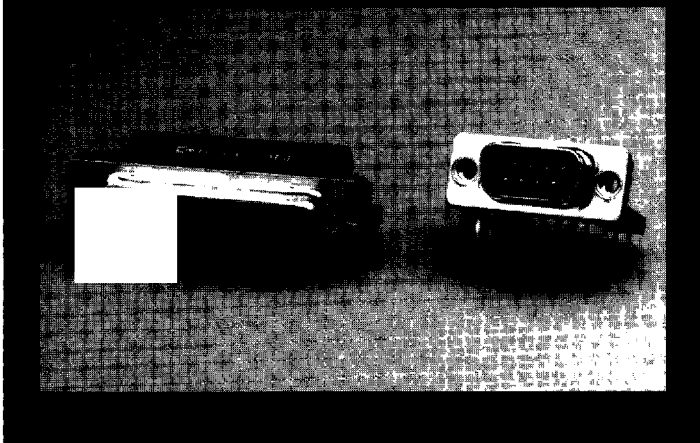
Plating Options

Designator	Plating Description
Standard	Gold Flash Over 0.0001 (0.00254) Nickel on the Entire Contact Area
15	0.0001 (0.00254) Nickel on the Entire Contact area with 0.000015 (0.000381) Gold on Mating End of Pin for a Length of .196 (5.0) Min and .118 (3.0) Min on the Socket 0.00015 (0.00381) of Bright Tin-Lead is Plated on the Termination End of the Contact
30	0.0001 (0.00254) Nickel on the Entire Contact area with 0.000030 (0.00076) Gold on Mating End of Pin for a Length of .196 (5.0) Min and .118 (3.0) Min on the Socket 0.00015 (0.00381) of Bright Tin-Lead is Plated on the Termination End of the Contact

9005174 0000004 304



K44 Series Right Angle D-Sub .590" Footprint



Ordering Information

K44	-	B	25	S	-	P
Series		Shell Size	Number of Contacts	Contact Type		Mounting Options

Series

K44 - Kycon D-Subminiature Connector, Right Angle (P.C. Mount) Termination, .590 Footprint

Shell Size

- E-9 Contacts
- A-15 Contacts
- B-25 Contacts
- C-37 Contacts

Number of Contacts

9, 15, 25, 37

Contact Type

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

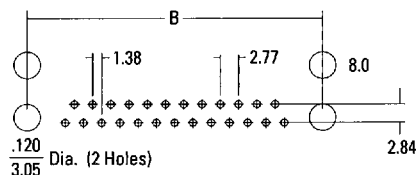
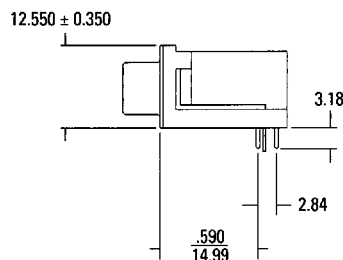
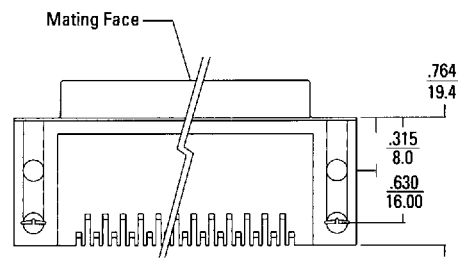
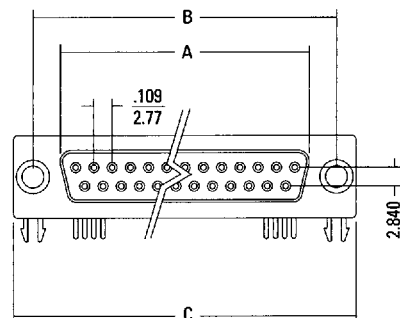
Mounting Options (See Pages 11-12)

Plating Options

Designator	Plating Description
Standard	Gold Flash Over 0.0001 (0.00254) Nickel on the Entire Contact Area
15	0.0001 (0.00254) Nickel on the Entire Contact Area with 0.000015 (0.000381) Gold on Mating End of Pin
30	0.0001 (0.00254) Nickel on the Entire Contact Area with 0.000030 (0.00076) Gold on Mating End of Pin

K44 Series Dimensions

Pictured with Grounding Bracket (Option)



Recommended P.C. Board Layout
(Top View)

Shell Size	In mm			
	A	A1	B	C
	.010 0.25	.010 0.25	.005 0.13	.015 0.38
9 (E)	.643 16.33	.666 1.692	.984 24.99	1.213 30.81
15 (A)	.971 24.66	.994 25.25	1.312 33.32	1.541 39.14
25 (B)	1.511 38.38	1.534 38.96	1.852 47.04	2.088 53.04
37 (C)	2.159 54.84	2.182 55.42	2.500 63.50	2.729 69.32

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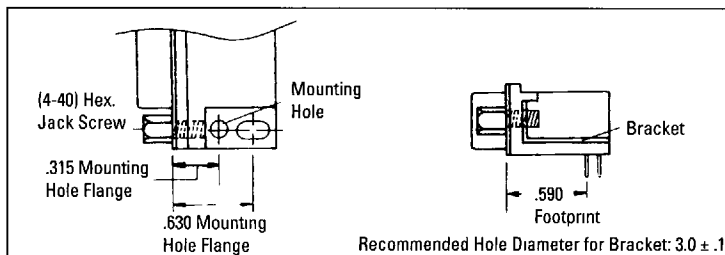
KYCON D-Subminiature Connectors



Mounting Options K44

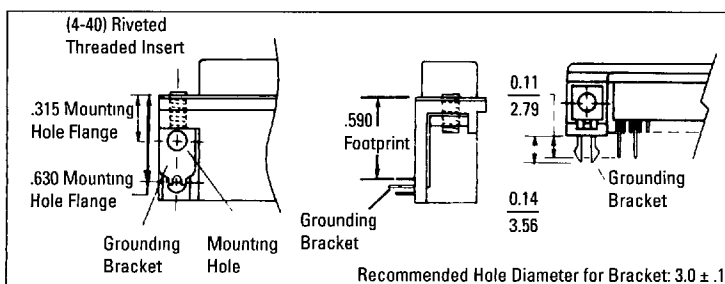
Option L

Both-Oblong and .125 Diameter Non-Threaded Mounting Holes and 4-40 Hex. Jack Screws Assembled to Connector



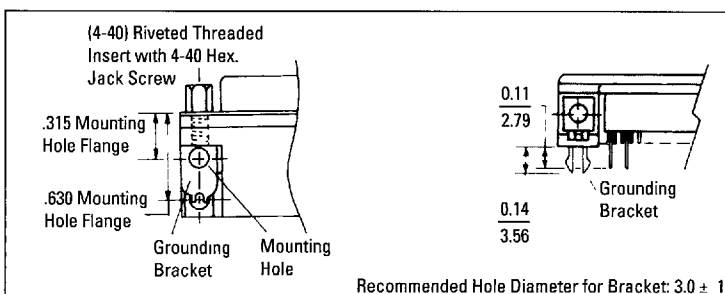
Option P

Grounding Brackets (Locking Type) and Riveted Threaded Inserts



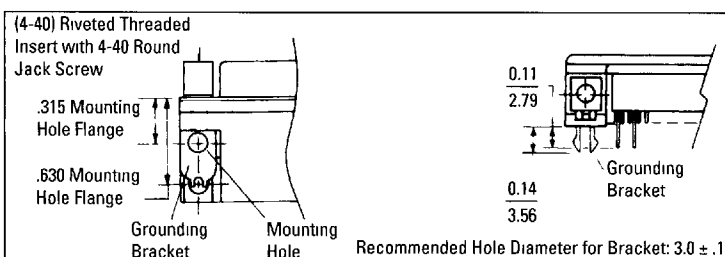
Option PJ

Grounding Brackets (Locking Type), Riveted Threaded Inserts, and 4-40 Hex. Jack Screws Assembled to Connector



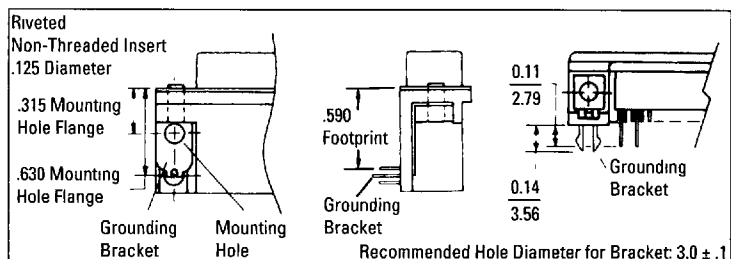
Option PR

Grounding Brackets (Locking Type) and 4-40 Round Jack Screws Riveted to Connector



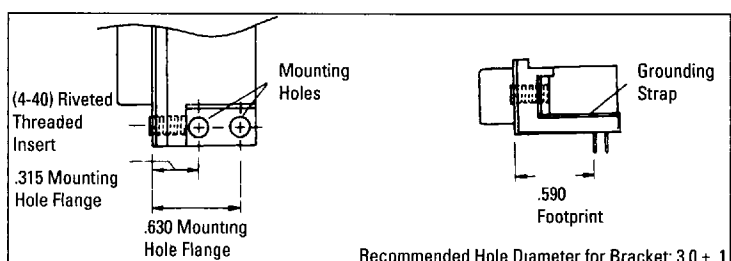
Option PT

Grounding Brackets (Locking Type) and .125 Diameter Riveted Non-Threaded Inserts



Option Q

Top Only Grounding Straps with Two .125 Diameter Non-Threaded Mounting Holes and Riveted Threaded Inserts



Option QJ

Top Only Grounding Straps with Two .125 Diameter Non-Threaded Mounting Holes, Riveted Threaded Inserts and 4-40 Hex. Jack Screws Assembled to Connector

Option QR

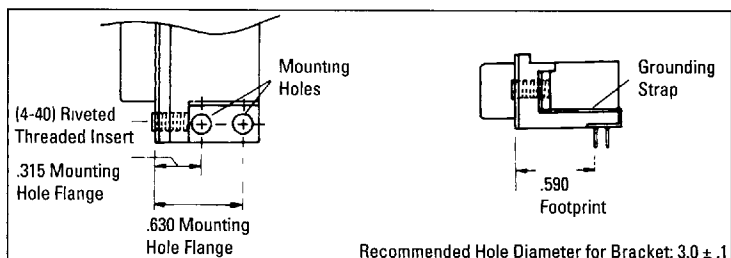
Top Only Grounding Straps with Two .125 Diameter Non-Threaded Mounting Holes and 4-40 Round Jack Screws Riveted to Connector

Option QT

Top Only Grounding Straps with Two .125 Diameter Non-Threaded Mounting Holes and .125 Diameter Riveted Non-Threaded Inserts

Option R

Grounding Straps with Two .125 Diameter Non-Threaded Mounting Holes and Riveted Threaded Inserts



Option RJ

Grounding Straps with Two .125 Diameter Non-Threaded Mounting Holes, Riveted Threaded Inserts and 4-40 Hex. Jack Screws Assembled to Connector



KYCON

KYCON D-Subminiature Connectors

Mounting Options K44

Option RR

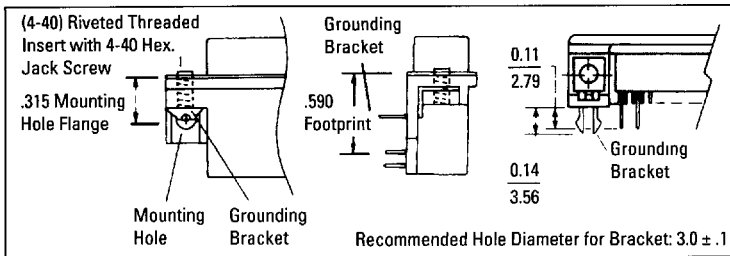
Grounding Straps with Two .125 Diameter Non-Threaded Mounting Holes and 4-40 Round Jack Screws Riveted to Connector

Option RT

Grounding Straps with Two .125 Diameter Non-Threaded Mounting Holes and .125 Diameter Riveted Non-Threaded Inserts

Option S

Short Mounting Flange with Grounding Brackets (Locking Type) and Riveted Threaded Inserts



Option SJ

Short Mounting Flange with Grounding Brackets (Locking Type), Riveted Threaded Inserts and 4-40 Hex. Jack Screws Assembled to Connector

Option SR

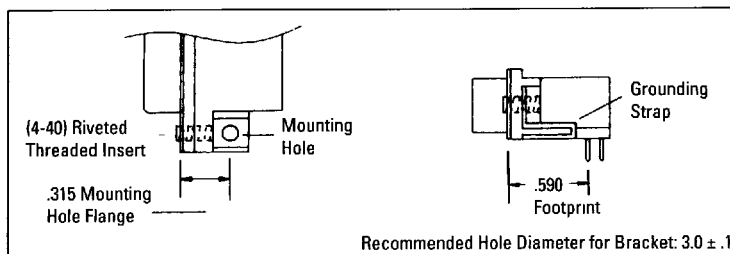
Short Mounting Flange with Grounding Brackets (Locking Type) and 4-40 Round Jack Screws Riveted to Connector

Option ST

Short Mounting Flange with Grounding Brackets (Locking Type) and .125 Diameter Riveted Non-Threaded Inserts

Option T

Short Mounting Flange with Grounding Straps, .125 Diameter Non-Threaded Mounting Hole and Riveted Threaded Inserts



Option TJ

Short Mounting Flange, Grounding Straps, .125 Diameter Non-Threaded Mounting Holes, Riveted Threaded Inserts and 4-40 Hex. Jack Screws Assembled to Connector

Option TR

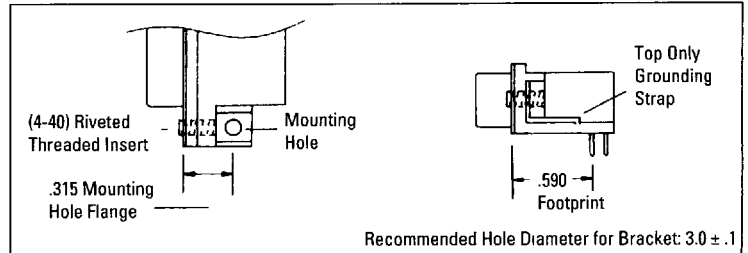
Short Mounting Flange, Grounding Straps, .125 Diameter Non-Threaded Mounting Holes and 4-40 Round Jack Screws Riveted to Connector

Option TT

Short Mounting Flange, Grounding Straps, .125 Diameter Non-Threaded Mounting Holes and .125 Diameter Riveted Non-Threaded Inserts

Option M

Short Mounting Flange, with Top Only Grounding Straps, .125 Diameter Non-Threaded Mounting Hole and Riveted Threaded Inserts



Option MJ

Short Mounting Flange, Top Only Grounding Straps, .125 Diameter Non-Threaded Mounting Holes, Riveted Threaded Inserts and 4-40 Hex. Jack Screws Assembled to Connector

Option MR

Short Mounting Flange, Top Only Grounding Straps, .125 Diameter Non-Threaded Mounting Holes and 4-40 Round Jack Screws Riveted to Connector

Option MT

Short Mounting Flange, Top Only Grounding Straps, .125 Diameter Non-Threaded Mounting Holes and .125 Diameter Riveted Non-Threaded Inserts

JS-1000

4-40 Female Hex. Jack Screws Bulk (500/Bag)

