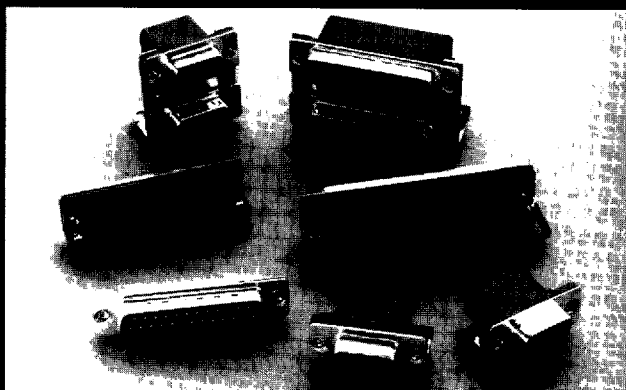



KYCON D-Subminiature Connectors



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

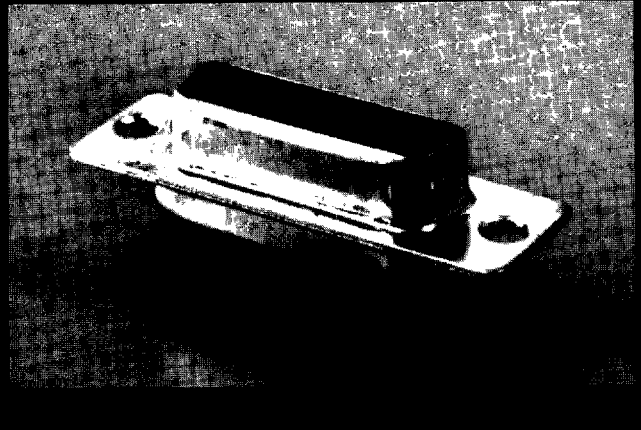
Designator	Plating Description
Standard	Gold Flash Over 0.0001 (0.00254) Nickel on the Entire Contact Area
15	0.0001 (0.00254) Nickel on the Entire Contact area with 0.000015 (0.000381) Gold on Mating End of Pin for a Length of .196 (5.0) Min and .118 (3.0) Min on the Socket 0.00015 (0.00381) of Bright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

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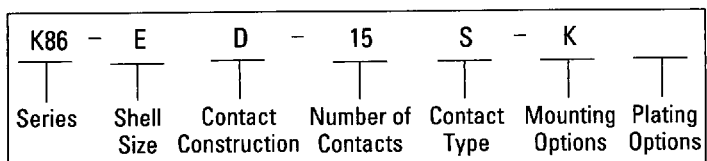


KYCON D-Subminiature Connectors

K86 Series High Density Vertical P.C. Mount or Soldercup KF86 Series with Ferrite



Ordering Information



Series
K86-Kycon High Density D-Subminiature Connector, Solder Cup or Vertical (P.C. Mount) Termination

KF86-Kycon High Density D-Subminiature Connector, Vertical (P.C. Mount) Termination, with Ferrite

Shell Size
E-15 Contacts (KF86 is only available in this shell size)
A-26 Contacts
B-44 Contacts
C-62 Contacts

Contact Construction

Designator	Contact Construction	Type of Termination
A	Precision Formed	Solder Cup
B	Precision Machined	Solder Cup
D	Precision Formed	Vertical Pin (PC Mount)

Number of Contacts

K86: 15, 26, 44, 62
KF86: 15

Contact Type

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

Mounting Options

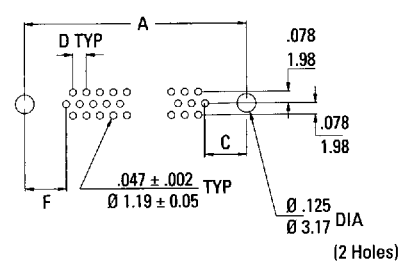
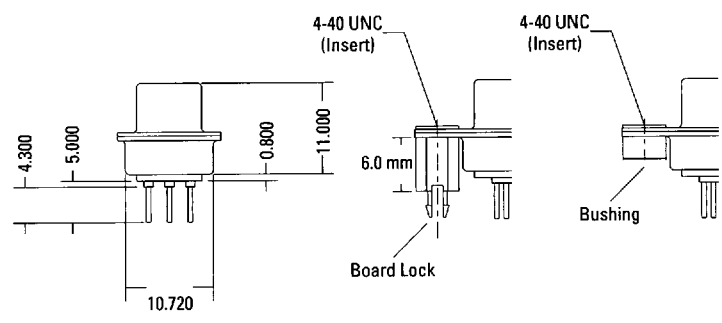
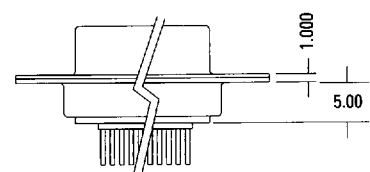
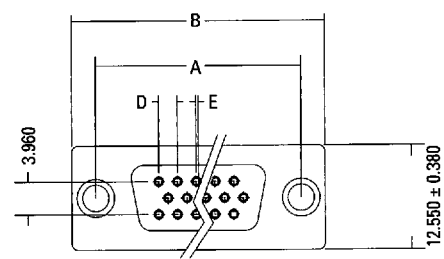
K-with Riveted Threaded (4-40) Bushings
KJ-with Riveted Threaded (4-40) Bushings and (4-40) Hex Jack Screws Installed
BR-with (4-40) Riveted Threaded Board Lock

Plating Options (See Page 3)

9005174 0000017 T62

K86 Series Dimensions

Dimensions in mm



Recommended P.C. Board Layout (Male Top View) (Female Bottom View)

Number of Contact (Shell Size)	Dimensions (Inch/mm) K86/KF86					
	A	B	C	D	E	F
15 (E)	.984 24.99	1.213 30.81	.347 8.81	.090 2.29	.010 0.25	.277 7.03
26 (A)	1.312 33.32	1.541 39.14	.328 8.33	.090 2.29	.020 0.51	.260 6.61
44 (B)	1.852 47.04	2.088 53.04	.330 8.38	.090 2.29	.020 0.51	.259 6.60
62 (C)	2.500 63.5	2.729 69.32	.324 8.24	.094 2.41	.023 0.58	.276 7.00