

K202HT Series Right Angle Surface Mount

Ordering Information

K202HT	-	E9S	-	N	-	
Series		Configuration		Mounting Option		Plating Options

Series

K202HT - Kycon D-Subminiature Connector, Right Angle, Ultra Short Footprint, Surface Mount, Reflow Compatible

Configuration

- E9S - 9 Socket Contacts (Receptacle)
- E9P - 9 Pin Contacts (Plug)
- B25S - 25 Socket Contacts (Receptacle)
- B25P - 25 Pin Contacts (Plug)
- E15S - 15 Socket Contacts High Density (Receptacle)*

Mounting Options

- N - With Board Locks and (4-40) Riveted Threaded Inserts
- NJ - With Board Locks, Riveted Threaded Inserts, and 4-40 Hex. Jack Screws Assembled to Connector

Plating Options

Designator	Plating Description
Standard	Gold flash over nickel on contacts. Tin/lead over nickel on soldertails.
15	15μ" gold over nickel on mating end of contacts. Tin/lead over nickel on soldertails.
30	30μ" gold over nickel on mating end of contacts. Tin/lead over nickel on soldertails.

Performance Specifications (see page 4)

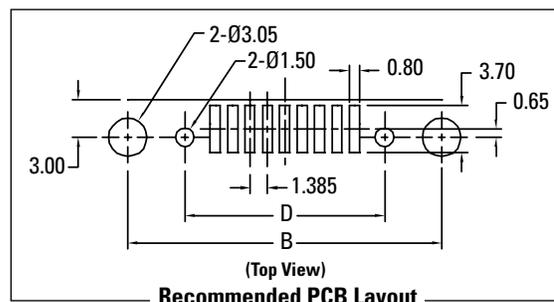
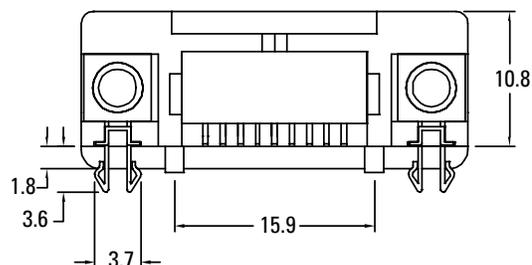
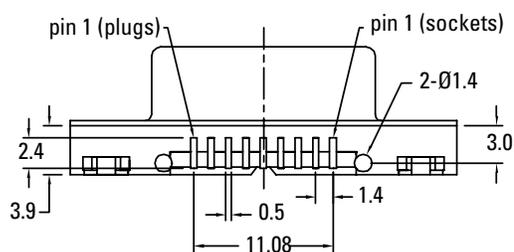
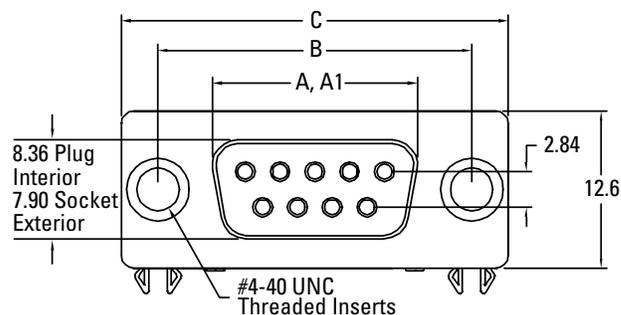
*Contact factory for specifications. 888-KYCON-22

D-SUBMINIATURE CONNECTORS

K202HT Series

K202HT Series Dimensions

Dimensions in mm



Shell Size	A					A1					B					C					D				
	In		mm		±.010		±.010		±.010		±.010		±.010		±.010		±.010		±.010		±.010		±.010		
9 (E)	.643		16.33		.666		16.92		.984		24.99		1.213		30.81		.626		15.90						
15 (E)	.643		16.33		—		—		.984		24.99		1.213		30.81		.609		15.46						
25 (B)	1.511		38.38		1.534		38.96		1.852		47.04		2.088		53.04		1.498		38.06						

A = Exterior of Female Shell (S)

A1 = Interior of Male Shell (P)

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
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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.