

## 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 solder tails.
15	15 $\mu$ " gold over nickel on mating end of contacts. Tin/lead over nickel on solder tails.
30	30 $\mu$ " gold over nickel on mating end of contacts. Tin/lead over nickel on solder tails.

#### Performance Specifications (see page 4)

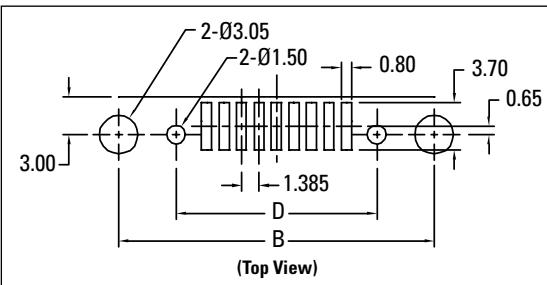
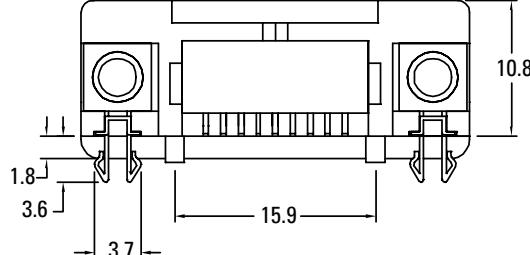
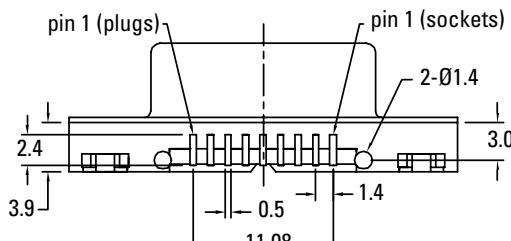
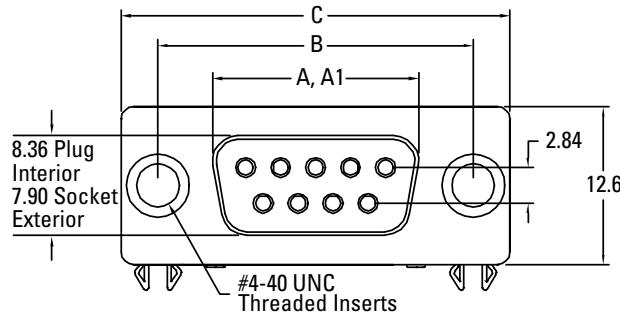
\*Contact factory for specifications. 888-KYCON-22

## D-SUBMINIATURE CONNECTORS

### K202HT Series

#### K202HT Series Dimensions

Dimensions in mm



Shell Size In mm	A $\pm .010$ ± 0.25	A1 $\pm .010$ ± 0.25	B $\pm .010$ ± 0.25	C $\pm .010$ ± 0.25	D $\pm .010$ ± 0.25
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
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

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Kycon:](#)

[K202HT-E9P-NJ](#) [K202HT-B25S-NJ](#) [K202HT-B25P-NJ](#)