

D-SUBMINIATURE CONNECTORS

Performance Specifications

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

Note: Individual catalog pages and product specifications supersede the general characteristics shown on this page.

Materials and Finish

Shell:

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

Insert:

Standard: PBT Thermoplastic, Black Color, 30% Glass Filled, UL94V-0 Rated

Reflow Compatible: High Temperature Thermoplastic, Black Color, 30% Glass Filled, UL 94V-0 Rated

Contact Material:

Plug: Brass .040" (1.00mm) Diameter Standard;
.030" (0.76mm) Diameter High Density

Socket: Phosphor Bronze (Precision Formed Contact)
Brass (Precision Machined Contact)

Contact Finish - (See Plating Options below)

Riveted Insert:

Brass Material, Nickel Finish

Mechanical Characteristics

Durability:

500 Insertion Cycles Min.

Operating Temperature:

-55°C to +105°C

Electrical Characteristics

Contact Current Rating:

2A

Contact Voltage Rating:

30V RMS

Contact Resistance:

13 milliohms Max.

Dielectric Withstanding Voltage:

1000V AC Min. for 1 Minute

Insulation Resistance:

1000 Megohms Min. at 500V DC

Processing Characteristics

Wave Soldering Temperature:

PBT Thermoplastic: 245°C for 10 Seconds

High Temperature Thermoplastic: 260°C for 10 Seconds

Plating Options

Designator	Plating Description
Standard	Gold Flash over Nickel on Mating End. Gold Flash or Tin over Nickel on Solder Tails.
30	30µ" Gold over Nickel on Mating End. Tin over Nickel on Solder Tails.

Termination

Solder Cup Size:

Standard Density (K85X Series): 18 AWG Max.

High Density (K86X Series): 22 AWG Max.