

# D-SUB COMBO CONECTORS



The system S SUB COMBO connectors, includes coaxial and high power contact in different shell size and combination. It is a standard family in the market.

These connectors are available in solder, crimp and board mount types. Its contacts come in a choice of gold plating styles, the coaxial contact available in 50 ohms or 75 ohms to meet your application requirement. The current rating of high power contact can up to 40 Amps. Power contacts are available in 20 and 40 AMP.

They were designed with various of optional hard ware accessories and provide function of industry need. PCB type are available in vertical and right angle board mount connectors with optional board locks to hold the connector in place and provide added stability to ensure the lead is properly positioned on the board before soldering.



The main applications of these connectors are as follows:

- Control device
- Test Equipment
- Medical, Instrumentation and Any other power supply applications

For special requirement, please consult our sales agent or factory for information.

## MATERIALS

### Connector Assemblies

- Shell : Steel, Tin Plated as Standard
- Insulator : Glass filled polyester UL 94V-0  
Colour Black or Green
- Signal Contact when applicable: Copper alloy
- Plating options**
- Standoff : Copper alloy, Tin-lead over Copper
- Bracket : Steel, Nickel plated
- Rivnut : Copper alloy, Nickel plated
- Locking Clipper : Copper alloy, Tin-lead over Copper

### Coaxial Contact Assembly

- Insulator : Teflon UL 94V-0, Color White
- Center and outside contact : Copper alloy
- Plating options**
- Lock link : Copper alloy, Gold flash over Nickel

### High Power Contact Assembly

- Contact : Copper alloy
- Plating options**
- Lock link : Copper alloy, Gold flash over Nickel
- Operating Temperature: -55 - +125°C

## ELECTRICAL FEATURES

- Signal contact current rating : 3 Amps
- Signal contact resistance : < 10 mΩ
- Dielectric withstanding Voltage: 1000VAC for one minute at sea level
- Insulation Resistance : > 5000 MΩ
- Coaxial Contact impedance : 75 or 50Ω
- High power contact current rating : 40 or 20 A
- High power contact Resistance : < 2.7 mΩ
- Connector mating and unmating force: 17.0 kgf max.

### Mecanical features:

- Durability:100 Cycles

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## SERIES DISTRIBUTION CONTACTS

- ⊙ Accommodated removable Coaxial and high power contacts
- ⊙ The product indicated "◆" Not available at present

	◆		◆
Contact Arrangement	5W1	3W3	7W2
Shell Size	E	A	A
No. of Signal Contacts	4	0	5
No. of Coaxial Contacts	1	3	2
Contact Arrangement	11W1	5W5	9W4
Shell Size	A	B	B
No. of Signal Contacts	10	0	5
No. of Coaxial Contacts	1	5	4
	◆		◆
Contact Arrangement	13W3	17W2	21W1
Shell Size	B	B	B
No. of Signal Contacts	10	15	20
No. of Coaxial Contacts	3	2	1
Contact Arrangement	8W8		
Shell Size	C		
No. of Signal Contacts	0		
No. of Coaxial Contacts	8		
	◆	◆	◆
Contact Arrangement	13W6	17W5	21W4
Shell Size	C	C	C
No. of Signal Contacts	7	12	17
No. of Coaxial Contacts	6	5	4
	◆	◆	◆
Contact Arrangement	25W3	27W2	24W7
Shell Size	C	C	D
No. of Signal Contacts	22	25	17
No. of Coaxial Contacts	3	2	7
	◆	◆	◆
Contact Arrangement	36W4	43W2	47W1
Shell Size	D	D	D
No. of Signal Contacts	32	41	46
No. of Coaxial Contacts	4	2	1

## MOUNTING HARDWARE OPTIONS

0	Riveted front and rear shell with 3,05mm Hole	A	Riveted #4-40 UNC close nuts on front shell DIM L=5.8mm (Standard)	B	Riveted #4-40 UNC open nuts on front shell DIM L=4.0mm (Standard)
C	Riveted #4-40 UNC open nuts on rear shell DIM. L=4.0mm (Standard)	D	Riveted #4-40 UNC close ground Stand-off on rear shell DIM L=7.0mm (Standard)	I	Riveted ground tabs with #4-40 UNC open