

Filtered Combo D-Subminiature Connectors

Spectrum's line of filtered combo D-subminiatures provide high insertion loss with tubular capacitive filtering. These connectors are available with 20 Amp power contacts, 40 Amp power contacts, 50 ohm coaxial contacts or 75 ohm coaxial contacts. Configurations include male and female versions with straight PC terminals, right angle PC terminals or solder cup terminals. Standard D-sub shell sizes provide interchangeability with unfiltered connectors. High strength epoxy potting protects ceramic elements.

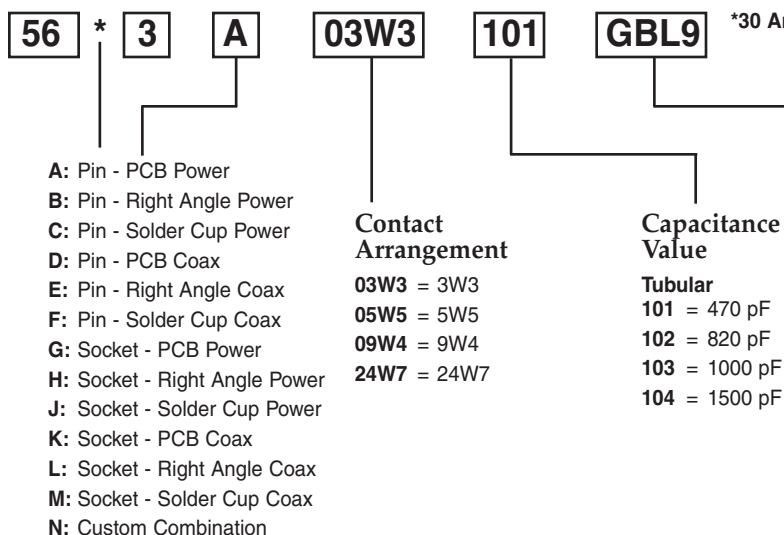
Capacitive filtering is available in 470, 820, 1000 and 1500 pF. Additional capacitance ranges and configurations can be provided upon request. Please consult factory for more information.

Applications

- Telecommunications base station equipment
- Switching and transmission equipment
- Power supplies
- Industrial equipment
- Computer work stations

Ordering Information

Example: **563A03W3101GBL9**



* Insert "F" for RoHS compliant



Mechanical Specifications

Shell	Steel, tin plated
Power Contacts	Brass, gold plated .000030 in. (0.762 μ m) minimum
Signal Contacts	Pin: brass, gold plated .000015 in. (0.762 μ m) min. Socket: copper alloy, gold plated .000030 in. (0.762 μ m) min.
Insulator	Glass-filled polyester, flammability UL94V-0
Operating Temperature	-55°C to +125°C
Capacitors	Proprietary barium titanate ceramic formulations or high voltage MLCC

Electrical Specifications

Operating Voltage	200 VDC
Current Rating*	40 Amp power/ 5 Amp signal
Insulation Resistance	1 Gohm at 100 VDC
Capacitance	470, 820, 1000, 1500, or 4000 pF (FT only) $\pm$ 20% (10 - 5000 pF available for signal pins, consult factory for part number on values above 1500 pF and below 470 pF)

Dielectric Withstanding Voltage 600 VDC

*30 Amp available. Consult factory.

Options

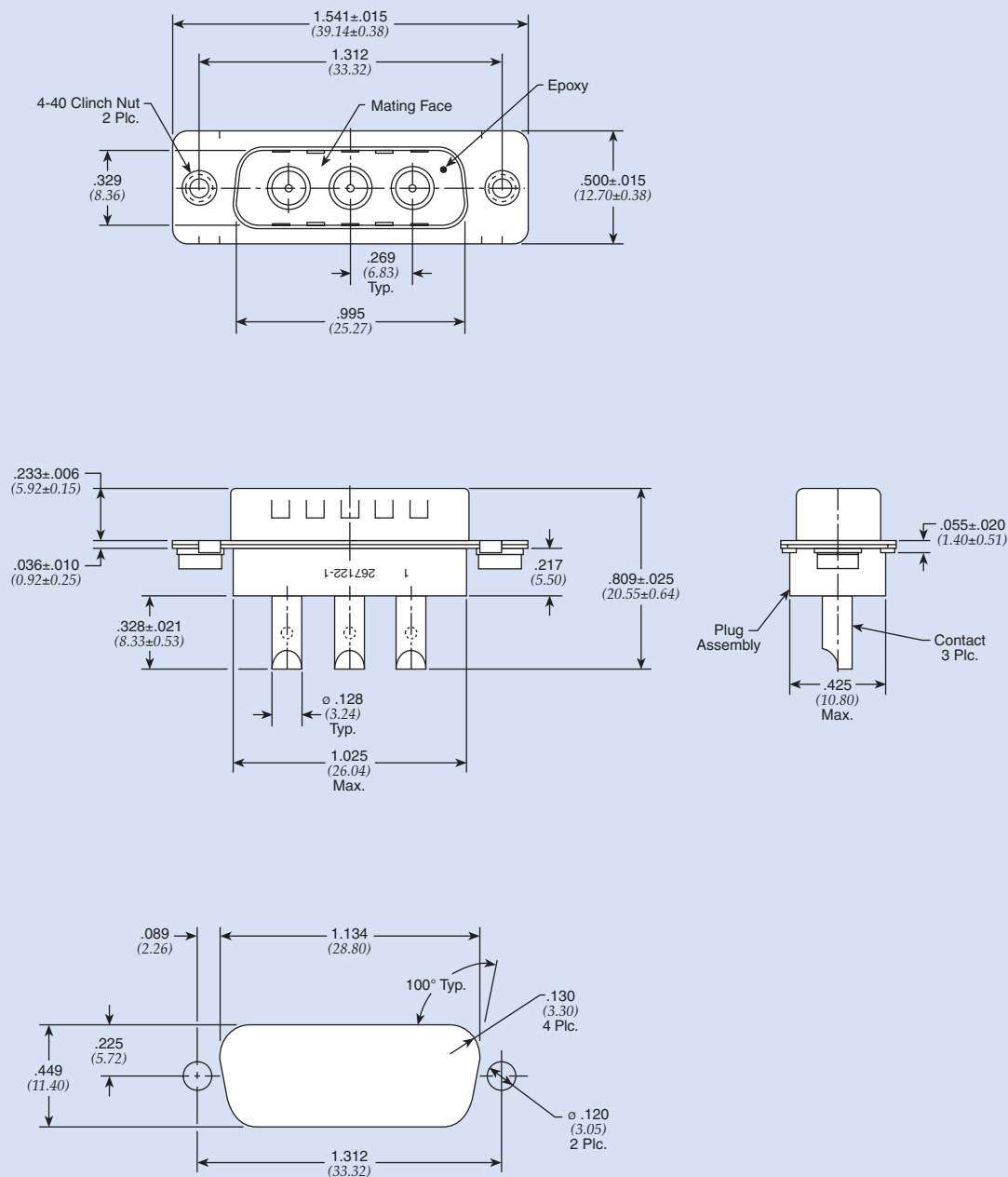
See options descriptions on page 172 add suffix ending

- LI** = 4-40 UNC inserts
- LIM** = Metric M3.0 self-locking threads
- GB** = Metal bracket provides ground connection, includes 4-40 self-locking threads (for right angle mount only)
- GBL** = Grounded board lock (right angle)
- GBL6** = for .062" boards (straight PCB mount)
- GBL9** = for .093" boards (straight PCB mount)
- 50G** = 50 μ (1.27 μ m) gold plating
- S** = Solder dipped tails
- JS** = Jackscrew mounting

For option combinations, consult factory.

Filtered Combo D-Subminiature Connectors 3W3

Plug - Solder Cup



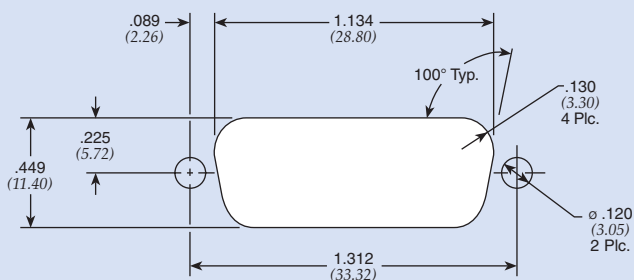
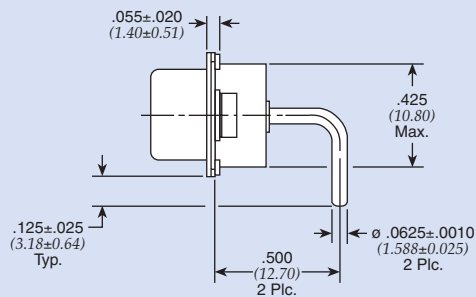
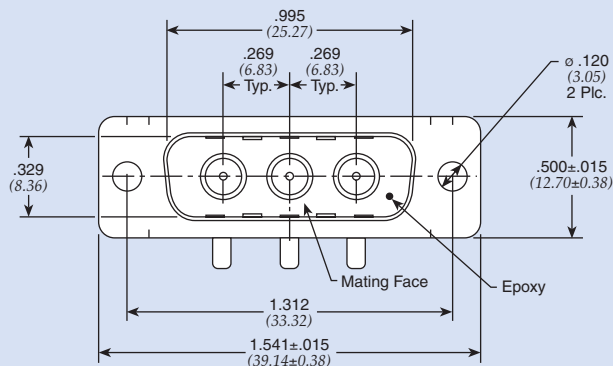
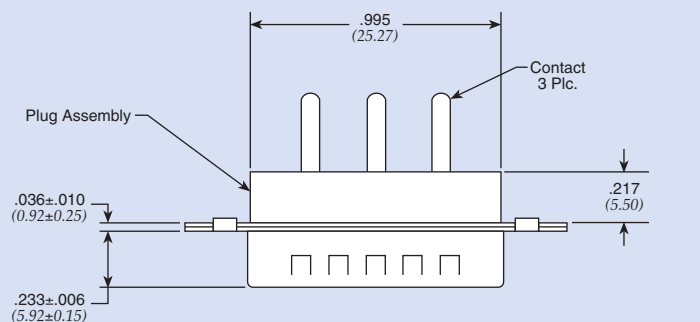
Recommended Panel Cutout

Only represents a few of our available configurations. Consult factory for more information.

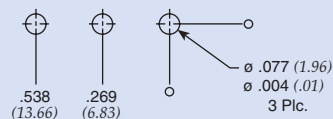
Dimensions in inches (mm)

Filtered Combo D-Subminiature Connectors 3W3

Plug - Right Angle



Recommended Panel Cutout

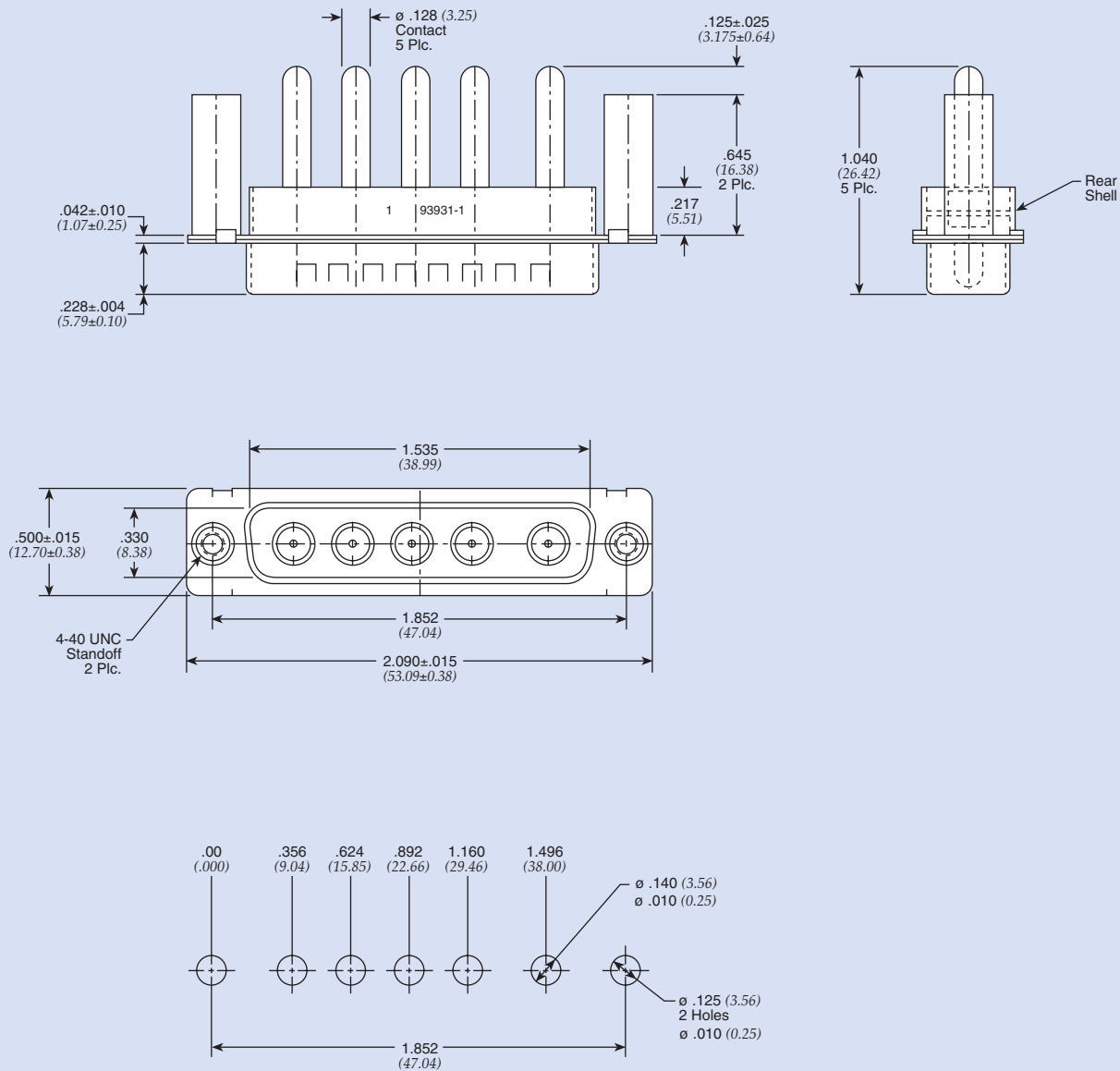


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Dimensions in inches (mm)

Filtered Combo D-Subminiature Connectors 5W5

Plug - Vertical



Recommended PCB Layout

Only represents a few of our available configurations. Consult factory for more information.

Dimensions in inches (mm)



Dimensions in inches (*mm*)



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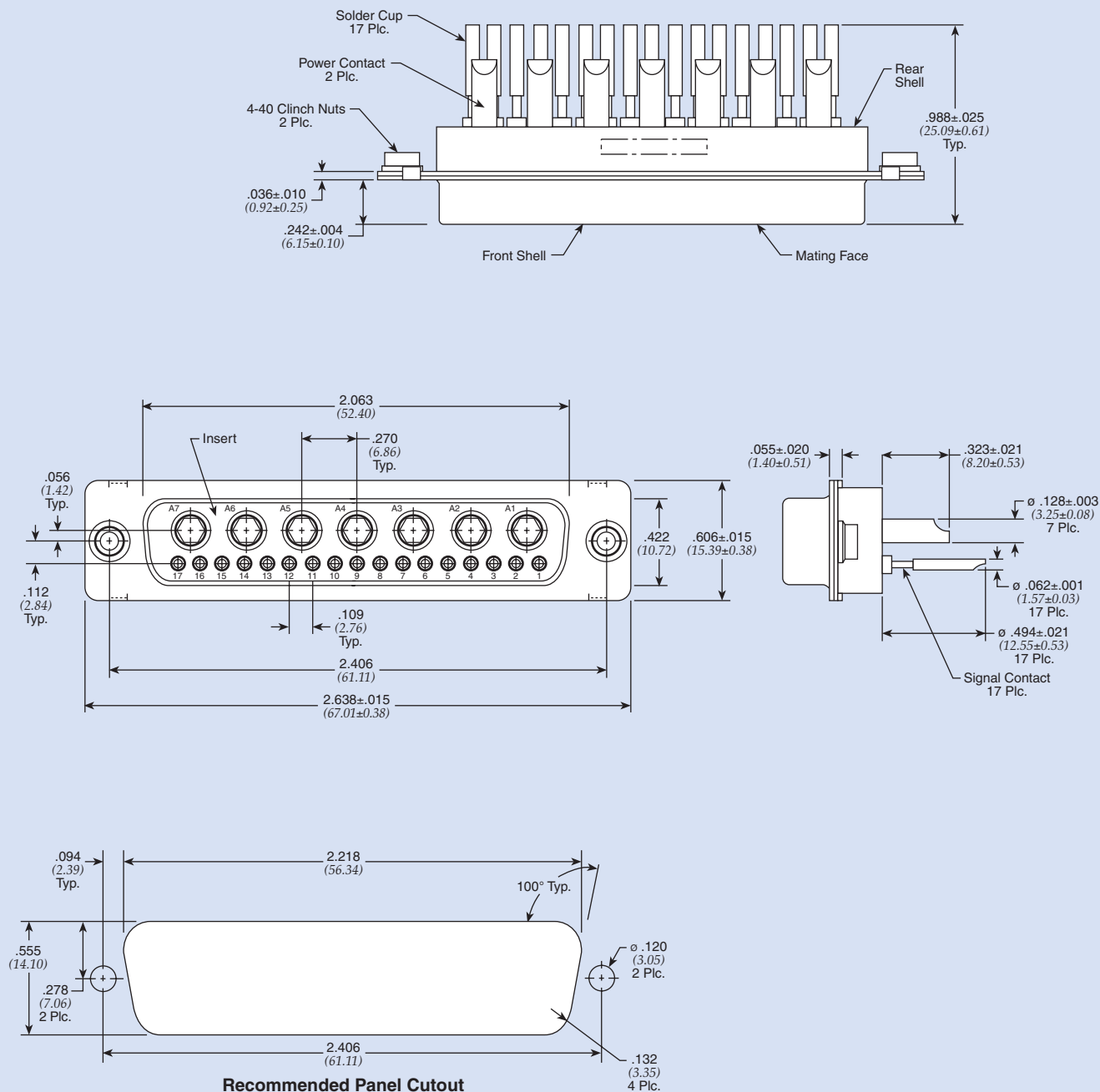


Recommended PC Board Mounting Dimensions

Dimensions in inches (*mm*)

Filtered Combo D-Subminiature Connectors 24W7

Socket - Solder Cup



Only represents a few of our available configurations. Consult factory for more information.

Dimensions in inches (mm)

Mouser Electronics

Authorized Distributor

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[563C05W5101LI](#)