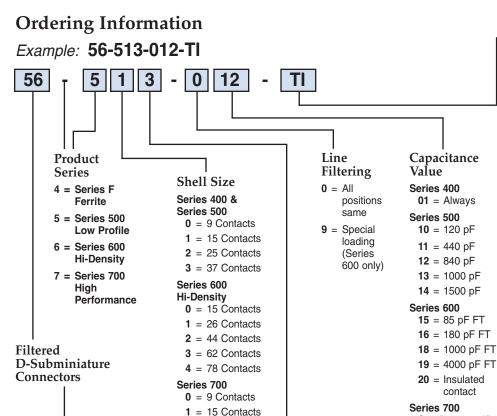


D-Subminiature Part Numbering System



2 = 25 Contacts

3 = 37 Contacts

4 = 50 Contacts

- Standard connector F - RoHS compliant version

Contact Type/Termination

- 1 = Pin to solder cup
- $\mathbf{2} = \text{Pin to } 90^{\circ} \text{ PCB mount}$
- 3 = Socket to straight PCB mount
- 4 = Socket to 90° PCB mount
- 5 = Pin-socket adapter
- 6 = Socket to solder cup
- 7 = Pin to straight PCB mount

Styles available for:

- Series 400 only 2, 3, 4, 7 Series 500 only 2, 3, 4 & 7
- Series 600 only 1, 2, 3, 4, 5

Series 700 1 thru 7

Note: 1 can be Pin to solder cup or Pin to PCB for Series 700. See charts pages FC22-FC41.

To assist your efforts in selecting the correct Filtered Connector to meet your needs, we have developed a part numbering system. All of the standard products are shown in their respective catalog pages.

Part number 56-513-012-TI represents a Series 500 connector with 15 contacts in a socket to straight PCB mount configuration. All connector positions have a capacitance value of 840 pF and there are 4-40 threads on mounting flange.

```
Options
                      See options descriptions
                     on page FC43
                      add suffix ending
                      Series F
                         HD =Hi-Density
                              (15 socket only)
                      Series 500
                          TI = 4-40 threads on mounting
                               flange (.125" hole if not
                               selected)
                       GBL = Grounded board lock
                               includes 4-40 threads
                               (available only on 90° PCB)
                      GBLF = Grounded board lock
                               and ferrite slab
                               provides enhanced LC
                               performance. (Available
                               only on 90° PCB)
                      Series 600 Hi-Density
                         LI = 4-40 UNC inserts
                          S = Solder dipped tails
                       50G = 50 \mu (1.27 \mum) gold
                       GBL = Ground board lock
                      Series 700
                         LI = 4-40 UNC inserts
                        LIM = Metric M3.0 self-locking threads
                        GB = Metal bracket provides ground
                               connection, includes 4-40
See filter specifi-
                               self-locking threads (for right angle
                                mount only)
page FC20 and
                       GBL = Grounded board lock
select part numbers
from Series 700
                               (right angle)
                      GBL6 = for .062" boards (straight
                               PCB mount) (1.57mm)
                      GBL9 = for .093" boards (straight
                               PCB mount (2.36mm)
                        50G = 50 \mu (1.27 \mum) gold plating
                          S = Solder dipped tails
                         JS = Jackscrew mounting
                      For option combinations, consult factory.
```

FC38

contact

cation chart on

charts pages

FC22-FC41.



D-Subminiature Connector Options

Threaded Inserts

Available on Series 500, 600 & 700

- #4-40 UNC or metric M3.0 threaded inserts in mounting flanges
- Allows ease of panel-assembly
- Plated steel inserts with last thread upset for torque

Grounding Bracket

For right angle mount PCB connectors, available on Series 700

- Metal bracket in place of plastic
- Provides ground connection direct from circuit board
- Allows shell grounding to board
- Includes 4-40 threads

Stand-off with Board Lock Feature

For straight PCB connectors, available on Series 700

- Allows shell grounding to board
- Eliminates stress on filter terminations
- Tin plated brass stand-off with snap-in feature
- Available for .062" (1.57mm) or .093" (2.36mm) thick boards

Grounding Bracket with Board Lock

For right angle mount PCB connectors, available on Series 500 & 700

- Metal bracket provides grounding
- Snap-in, no hardware needed, 4-40 threads included
- For use on .062" (1.57mm) thick boards

Gold Plating

Available on Series 600 & 700

 High reliability applications, 50μ" (1.27 μm) gold over 50μ" (1.27 μm) nickel

Solder Dipped Tails

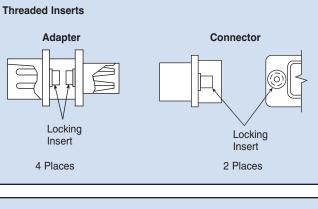
Available on Series 600 & 700 connectors

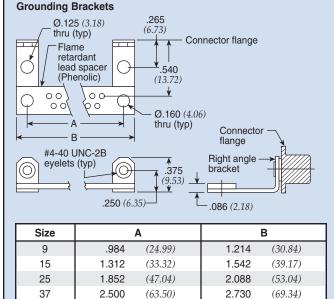
Solder dipped tails added to standard gold flash

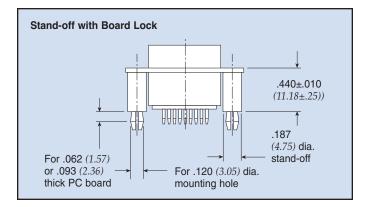
Water Block

Consult API engineers for specifics.

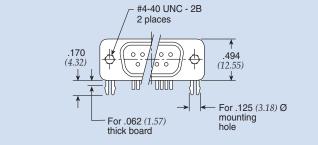
Internally sealed in accordance with NEMA Standard Rain Test section 6.4 (also UL50 part 28 ram test for submersion, section 6.10.1)







Grounding Bracket with Board Lock (see above for grounding bracket details)



Dimensions in inches (mm)

Mouser Electronics

Authorized Distributor

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

Spectrum Control: 56F711-015