

Specifications for "F" Connectors

F style connectors are the least expensive, general purpose connectors with non-constant impedance for use at 500 volts or less, and for use with low frequencies to 500Mhz. These coaxial connectors are widely used in Cable TV, MATV, CCTV, and related consumer television products. They are available in a limited selection to fit various cables sizes.

MATERIALS	
Connector Parts	Material
Connector Body and Parts	Brass
Male Contact Pin	Brass
Insulators.	Polypropylene
Plating	Nickel
Ferrule	Annealed Copper

ELECTRICAL	
Requirement	Performance
Impedance	Non Constant
Frequency Range	0-500MHz
VSWR	1.5 Max.
Working Voltage (At Sea level)	500V rms
Insulation Resistance	5000 Megohm Min.
Contact Resistance	3 m Ω Max.
Test Voltage	1000V r.m.s.

MECHANICAL & ENVIRONMENTAL	
Requirement	Performance
Durability	500 Matings
Shock	30 G
Cable Retention	40 Lbs. Min.
Temperature Range	-40 to +65°C.
Moisture Range	Continuous Test

"F" Connectors

Plugs, Jacks, Adapters

F type plugs are available in three different crimp styles: two piece with separate ferrules, one piece crimp with a short crimp body and a one piece crimp with a long body. Also, a twist-on type for tool-less installations. Jacks for bulkhead, inline, or PC board, and a variety of adapters are all machined brass construction.

Part Number	Description	RG/U Cable No.	Fig.
810A209A	2 Piece Crimp Plug, Short Ferrule	6	117
810A209D	2 Piece Crimp Plug, Short Ferrule	11	117
810A209G	2 Piece Crimp Plug, Short Ferrule	59	117
810B209G	2 Piece Crimp Plug, Long Ferrule	59	118
810D209A	1 Piece Crimp Plug, Short Ferrule	6	119
810A209MV	4 Pc Crimp Mini Coax. Uses BD11007 Tool	174	117A
810D209D	1 Piece Crimp Plug, Short Ferrule	11	119
810D209G	1 Piece Crimp Plug, Short Ferrule	59	119
810E209A	1 Piece Crimp Plug, Long Ferrule	6	120
810E209D	1 Piece Crimp Plug, Long Ferrule	11	120
810E209G	1 Piece Crimp Plug, Long Ferrule	59	120
810A409A	Twist-On	6	121
810A409G	Twist-On	59	121
810P209A	Push-On	6	122
810P209G	Push-On	59	122
810PE209A	Push-EZ™ Plug with LIFT® Technology	6	126A
810PE209G	Push-EZ™ Plug with LIFT® Technology	59	126A
816B519	Male Bulkhead Receptacle, 3/8-32 THD I.D.	Any	130A
826B519	Bulkhead Jack, Solder Tab	Any	123
832A519N	Inline Female/Female W/ Nut & Washer	N/A	124
830A509	Inline, Male/Male	N/A	125
831B509	Inline Female/Male Push-On	N/A	125A
832A519	Inline Female/Female	N/A	126
843A509	"T" Adapter, Female/Male/Female	N/A	127
845A509	"T" Adapter, Female/Female/Female	N/A	128
851A509	Right Angle Adapter, Male/Female	N/A	129
F0884	75 Ohm Male Terminator	N/A	130
861A509	PC Board Jack, Vertical	N/A	131
861V509E	V-Bite™ Edge Mount PC Jack	N/A	134V
861V509R	V-Bite™ Reflow Type w/TFE Insulator	N/A	134V
864B509	PC Board Jack, Right Angle, Long	N/A	132

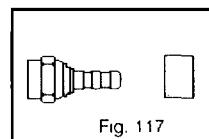


Fig. 117

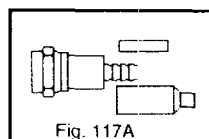


Fig. 117A

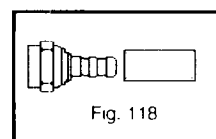


Fig. 118

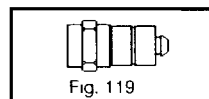


Fig. 119

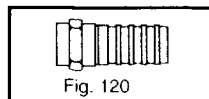


Fig. 120

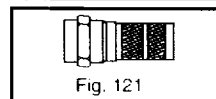


Fig. 121

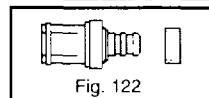


Fig. 122

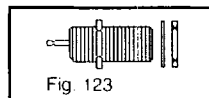


Fig. 123

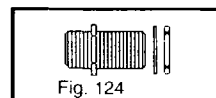


Fig. 124

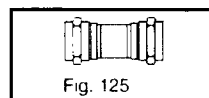


Fig. 125

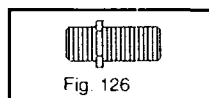


Fig. 126

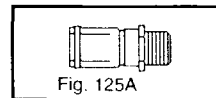
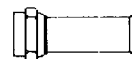


Fig. 125A

New! LIFT® Technology (Low Insertion Force Termination)

Fig. 126A



40 lb. Retension.

The Push-EZ™ connector installs by simply stripping the cable and inserting it into the connector. That's it.

Patented

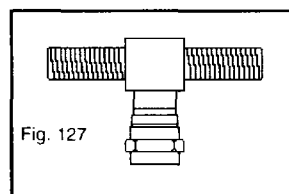


Fig. 127

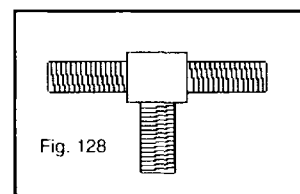


Fig. 128

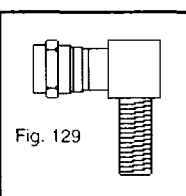


Fig. 129

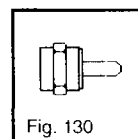


Fig. 130

This new item acts as a jack & allows for a replaceable female end by using a 832A519 adapter.

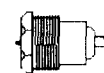


Fig. 130A

3/8"- 32 Internal Thd.
1/2" External Thd.

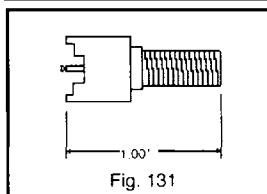


Fig. 131

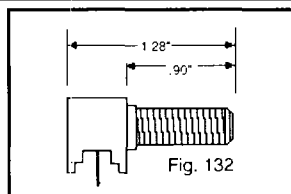


Fig. 132

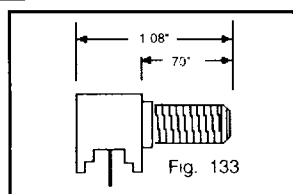


Fig. 133

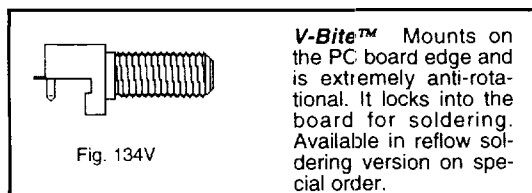
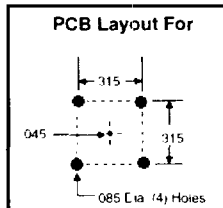


Fig. 134V

V-Bite™ Mounts on the PC board edge and is extremely anti-rotational. It locks into the board for soldering. Available in reflow soldering version on special order.

