

SMA connectors are sub miniature RF connectors with threaded couplings which offer broadband performance from DC to 18 GHz. These are one of the smallest series available for RF coaxial applications. The small size allows interconnects on the most miniature of devices, devices with multiple posts where high density is required, where lighter weight end products are essential, and where it is necessary, to fit miniature, and sub miniature cables.

MATERIALS

Connector Parts	Material
Connector Body and Parts	Brass, ‡
Male Contact Pin	Brass, ‡
Insulators.	Delrin, Teflon
Plating	Nickel
Ferrule	Annealed Copper

ELECTRICAL

Requirement	Performance
Impedance	50Ω
Frequency Range	0-18 GHz
VSWR	1.25 Max.
Working Voltage (At Sea level)	500V Peak
Insulation Resistance	5000 Megohm Min.

MECHANICAL & ENVIRONMENTAL

Requirement	
Durability	500 Matings
Threads	250-36
Cable Retention	40 Lbs.
Temperature Range	-40 - +65 °C. (Delrin), -65 - +165°C. (Teflon)

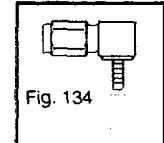
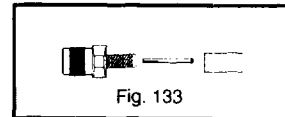
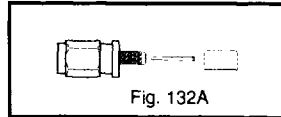
‡ Other materials available upon special order

SMA Connectors

Cable Plugs & Jacks

Only crimp type connectors are available as standard devices. All plugs and jacks are made of machined brass and are nickel plated. Other types, made of beryllium copper or passivated stainless may be available upon special order. Standard crimp tooling may be used to terminate these connectors.

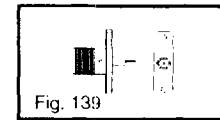
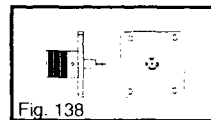
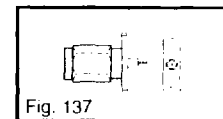
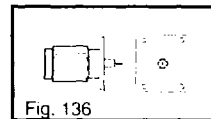
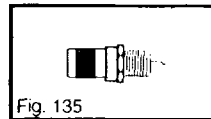
Part Number	Description	Fig. No.
910A205F	Male Crimp for RG58/U	132A
910A205G	Male Crimp for RG589U	132A
920A205F	Female Crimp for RG58/U	133
951A205F	Right Angle Crimp for RG58/U	134



Panel Jacks & Plugs

Standard versions of panel mounted and bulkhead mounted jacks and plugs are shown. Various other versions, or standard types made of other materials, can be ordered with certain minimum quantities. Consult factory for detailed information.

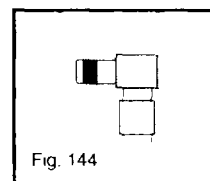
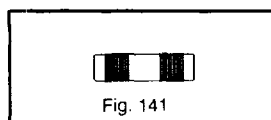
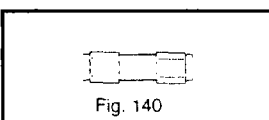
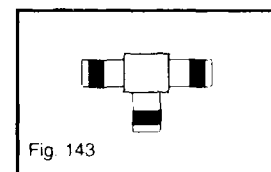
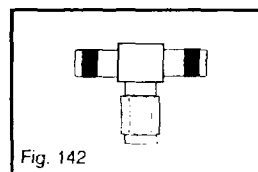
Part Number	Description	Fig. No.
926A515	Bulkhead Female, Solder Post	135
916A524	Male Panel Mount (4 Hole Flange)	136
916B524	Male Panel Mount (2 Hole Flange)	137
917A524	Female Panel Mount (4 Hole Flange)	138
917B524	Female Panel Mount (2 Hole Flange)	139



Adapters

Five standard within-series adapters are available for applications that require joining two, or more cable together, tapping, splicing, or bending connections.

Part Number	Description	Fig. No.
931A505	Male/Male Inline	140
932A505	Female/Female Inline	141
943A505	Female/Male/Female "T" Adapter	142
945A505	Female/Female/Female "T" Adapter	143
951A505	Male/Female Right Angle	144



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