



RF/MICROWAVE

Coaxial Connectors

TAIWANGAST INC.

2F, No.27, Jhong-Rong St., Sin-Jhuang City, Taipei County 242, Taiwan

TEL. 886 2 8994 1601, FAX. 886 2 8994 1602

sales@rfconnector.com.tw, www.rfconnector.com.tw

General Information

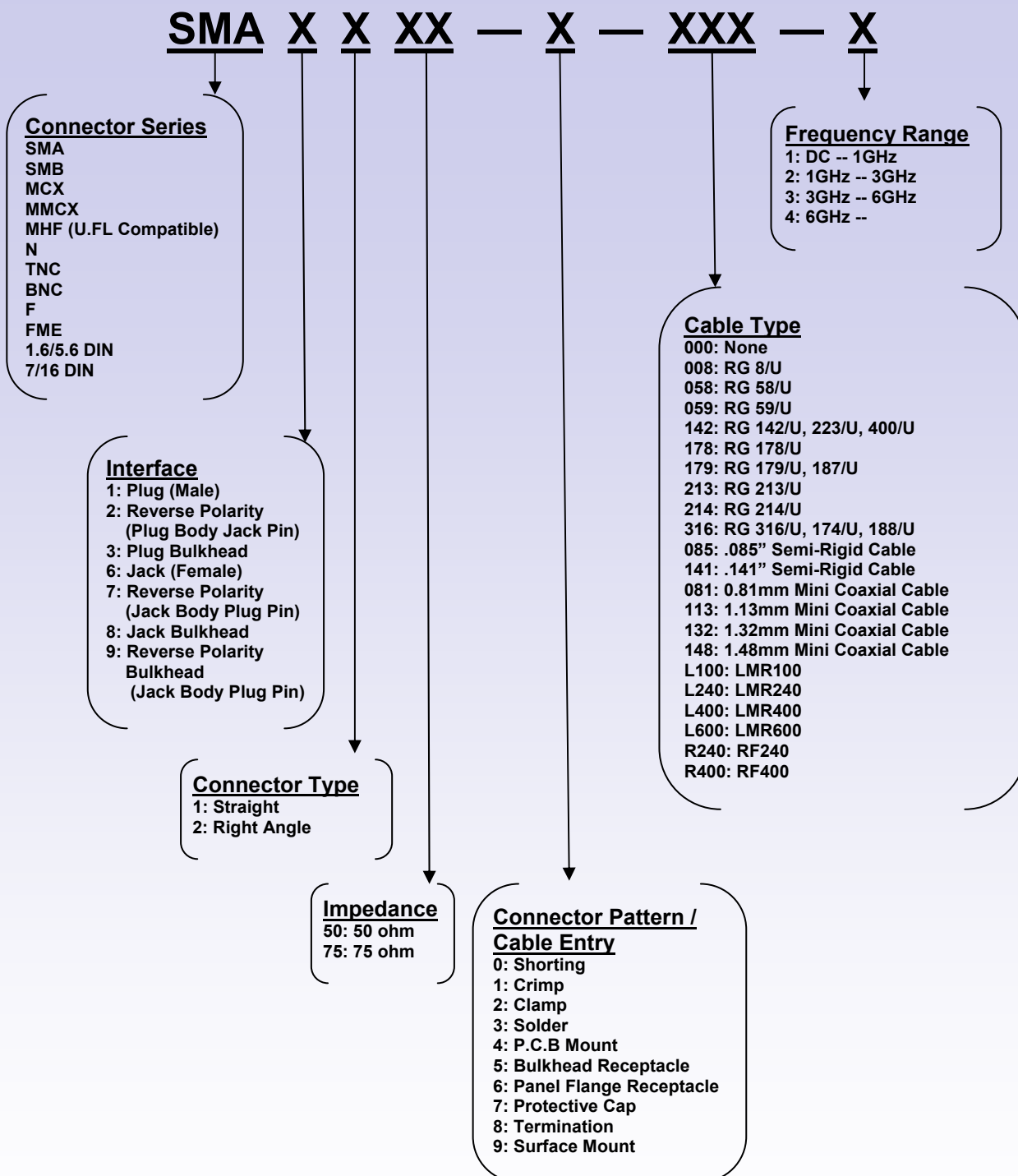
SMA	Subminiature Connectors Screw Lock	50 Ω	18 GHz
SMB	Subminiature Connectors Snap Lock	50 Ω 75 Ω	4 GHz 3 GHz
MCX	Microax Connectors Snap Lock	50 Ω 75 Ω	6 GHz 3 GHz
MMCX	Miniature Microax Connectors Snap Lock	50 Ω	6 GHz
N	Coaxial Connectors Screw Lock	50 Ω 75 Ω	11 GHz 1.5 GHz
TNC	Coaxial Miniature Connectors Screw Lock	50 Ω 75 Ω	11 GHz 1 GHz
BNC	Coaxial Miniature Connectors Bayonet Lock	50 Ω 75 Ω	4 GHz 1 GHz
FME	Coaxial Miniature Connectors Screw Lock	50 Ω	3 GHz
F	Coaxial Connectors Screw Lock	75 Ω	1 GHz
1.6/5.6	Coaxial Connectors Screw Lock	75 Ω	1 GHz
7/16	Coaxial Connectors Screw Lock	50 Ω	7.5 GHz
Adaptors	Between Series		

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RF Connector Number Legend

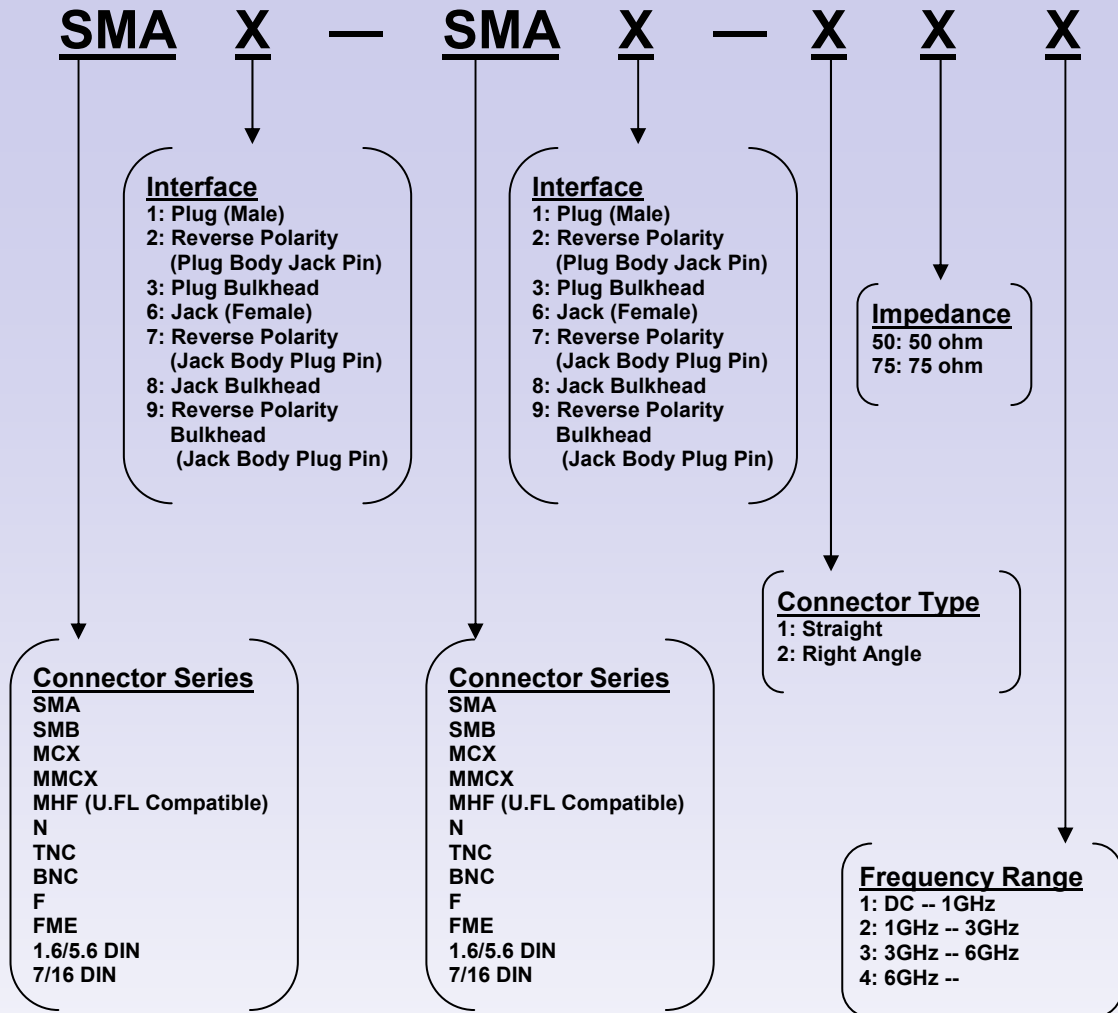


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RF Adapter Number Legend

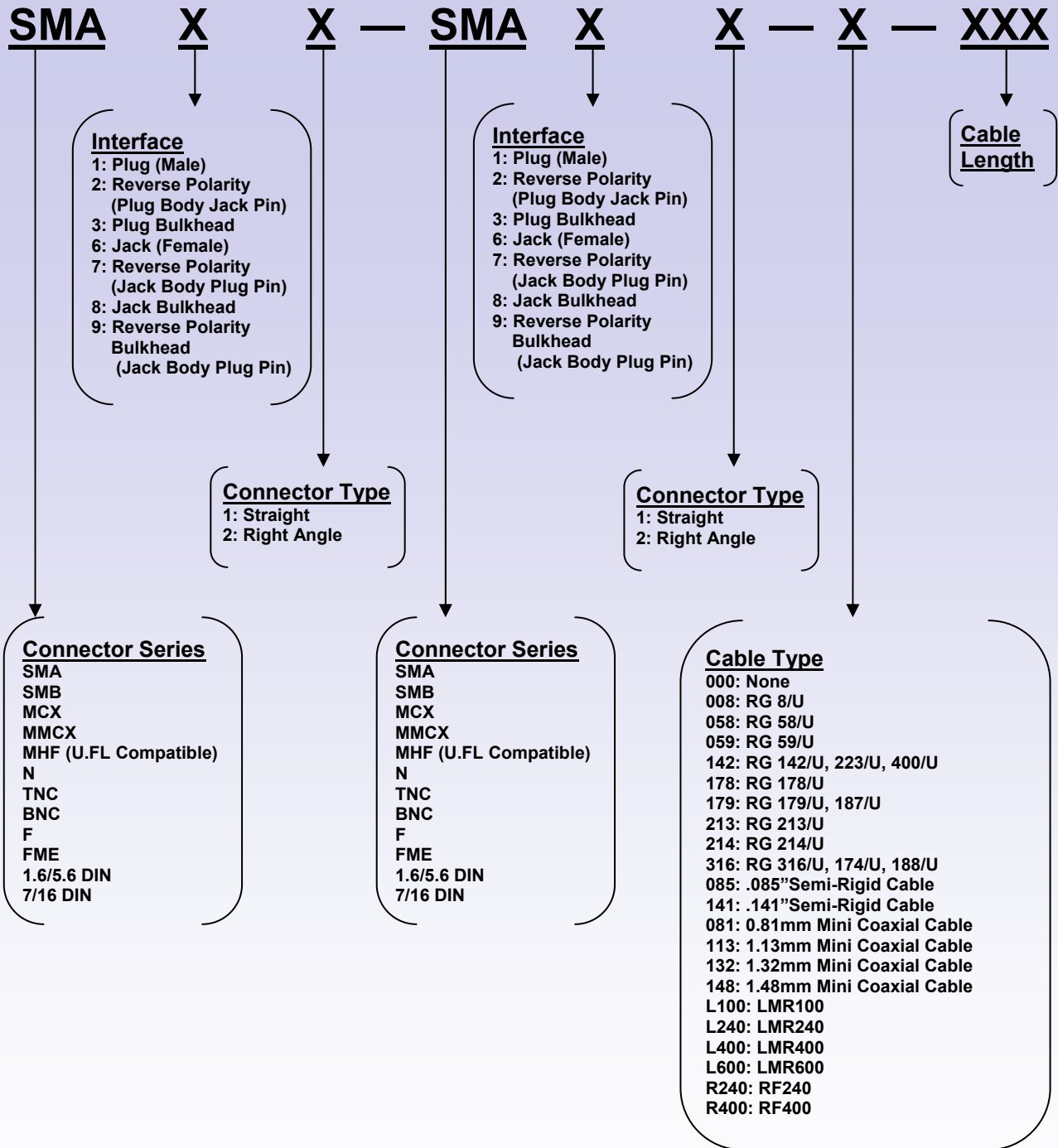


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RF Cable Assembly Number Legend



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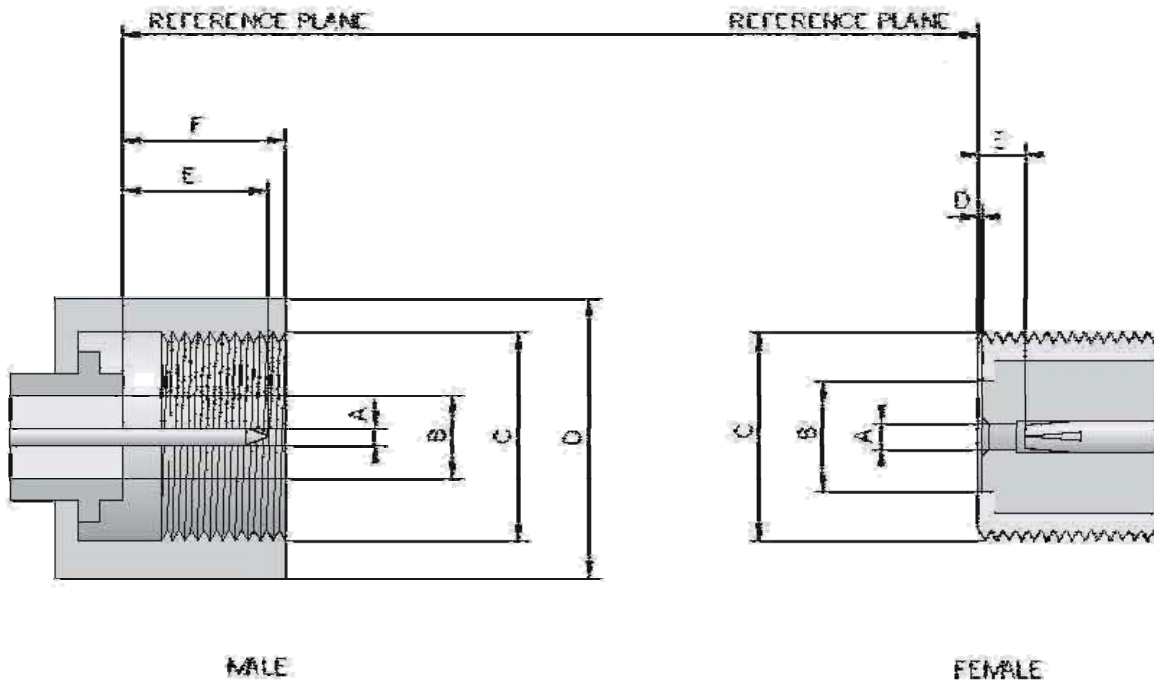
F SERIES

The F Series is cost-effectively designed using threaded coupling interfaces and the plug utilizes the center contacts of the cable rather than a separately applied pin. This series is specifically designed for use with NTSC TV Antenna applications.

Applications:

- ◆ Cable Assemblies
- ◆ Head End Equipment
- ◆ Set Top Boxes
- ◆ CATV
- ◆ High Speed Cable
- ◆ Modems
- ◆ CIMs
- ◆ Hybrid Fiber Coax
- ◆ Networks

Interface Mating Dimensions:



Interface Dimension in Millimeters					
	Male		Female		
	Min.	Max.		Min.	Max.
A	0.76	0.86	A	1.12	1.24
B	7.00 nom		B	5.00 nom	
C	3/8-32-UNF-2B		C	3/8-32-UNF-2A	
D		14.96	D	0.00	0.20
E	5.72	7.11	E	2.00	2.60
F		7.29	F		

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F SERIES

Technical Characteristics

Electrical

Impedance	75 ohm	
Frequency Range	0 – 1 GHz	
Working Voltage	250 VRMS max.	
Dielectric Withstanding Voltage	500 VRMS	
VSWR	1.35 max.	
Contact Resistance	Center Contact	5 Milliohm Max.
	Outer Contact	1 Milliohm Max.
Insulator Resistance	1000 Mega ohms min.	

Material:

Part Name	Material	Finish
Body, Metal Parts	Brass or Zinc Alloy	Nickel
Center Contacts	Plug: Brass	Gold or Nickel
	Jack: Phosphor Bronze	Gold or Nickel
Insulator	PTFE, Derlin, P.P. or PBT	
Crimp Ferrule	Annealed Copper	Nickel
Clamp Gaskets	Silicone	

Mechanical & Environmental

Durability (Mating)	500 cycles min.
Temperature Range	-40°C ~ 60°C

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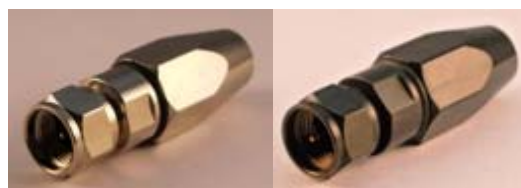
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F SERIES

F1175-1-XXX
F STR. PLUG CRIMP TYPE
Suitable Cable:
(1)RG179, RG187



F1175-3-XXX
F STR. PLUG SOLDER TYPE
Suitable Cable:
(1)RG59
(2)RG6



F6175-1-XXX
F STR. JACK CRIMP TYPE
(1)RG59
(2)RG179



F6175-4
F STR. JACK P.C.B. MOUNT



F6275-4
F R/A JACK P.C.B. MOUNT



F8175-1-XXX
F STR. JACK BULKHEAD CRIMP TYPE
(1)RG59
(2)RG179



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F SERIES

F8275-4
F R/A JACK BULKHEAD P.C.B. MOUNT



FQ2175-1-XXX
F QUICK STR. PLUG REVERSE POLARITY
CRIMP TYPE
Suitable Cable:
(1)RG59
(2)RG179, RG187



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