



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

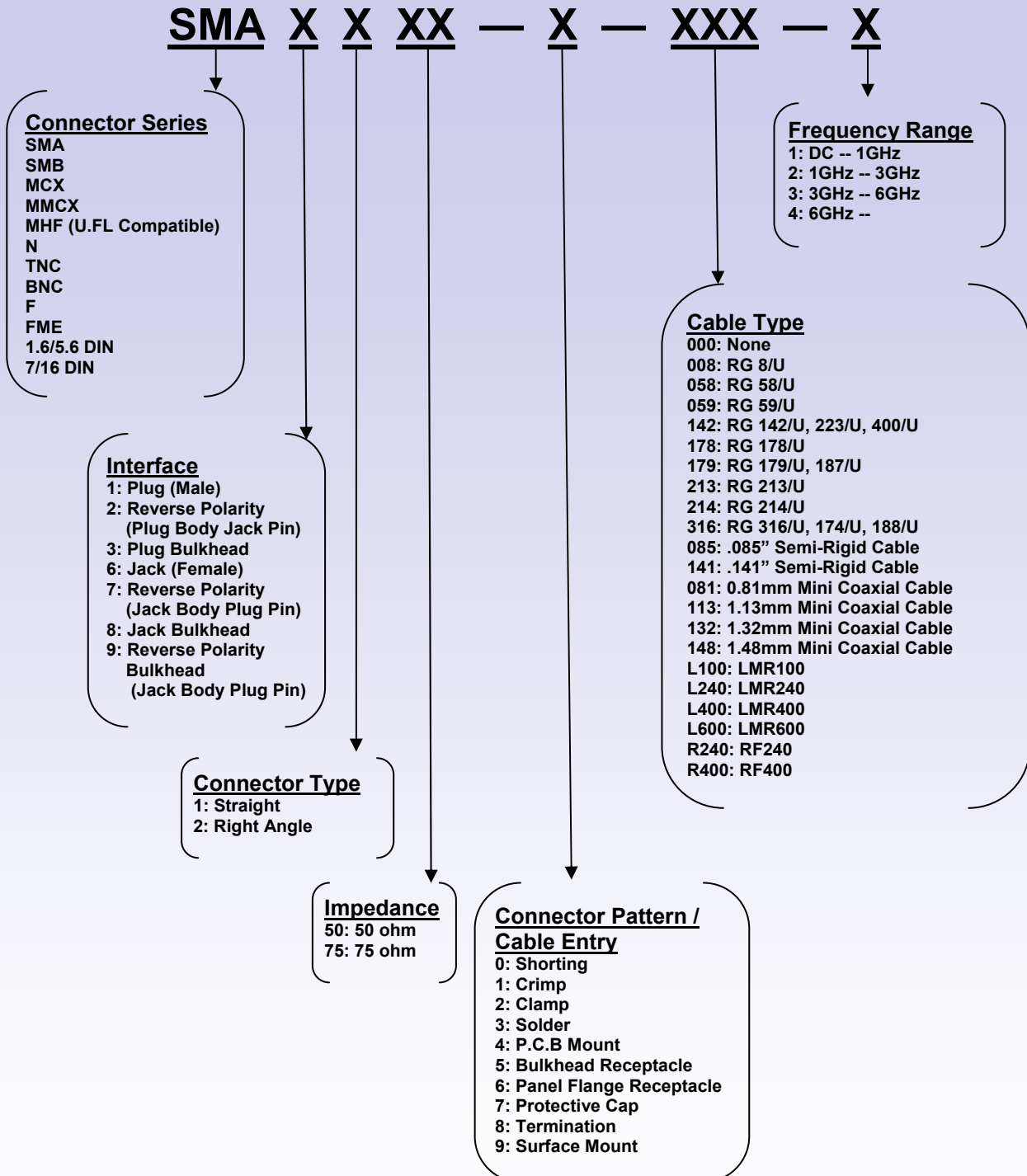
SMA	Subminiature Connectors Screw Lock	50 Ω	18 GHz
SMB	Subminiature Connectors	50 Ω	4 GHz
	Snap Lock	75 Ω	3 GHz
MCX	Microax Connectors	50 Ω	6 GHz
	Snap Lock	75 Ω	3 GHz
MMCX	Miniature Microax Connectors Snap Lock	50 Ω	6 GHz
N	Coaxial Connectors	50 Ω	11 GHz
	Screw Lock	75 Ω	1.5 GHz
TNC	Coaxial Miniature Connectors	50 Ω	11 GHz
	Screw Lock	75 Ω	1 GHz
BNC	Coaxial Miniature Connectors	50 Ω	4 GHz
	Bayonet Lock	75 Ω	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

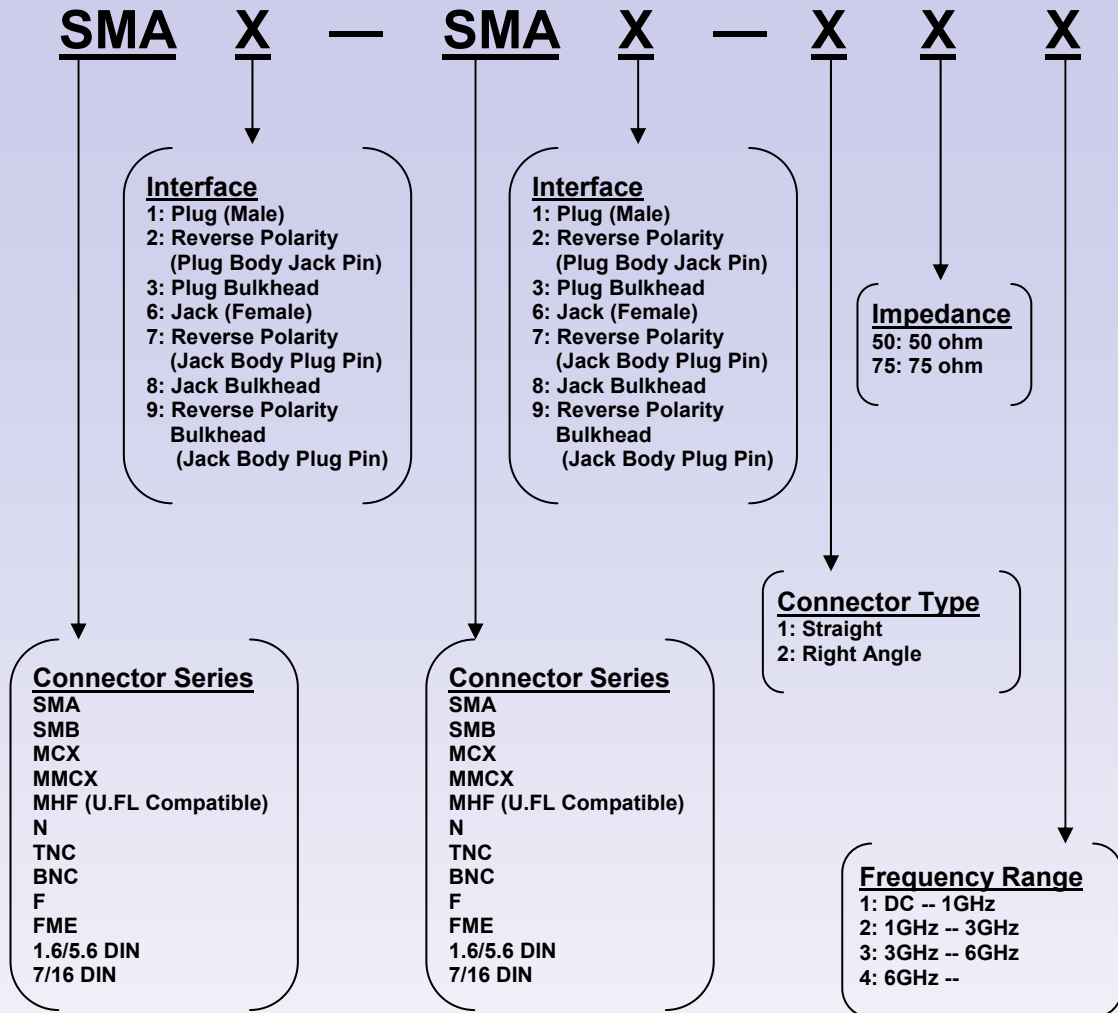


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RF Adapter Number Legend

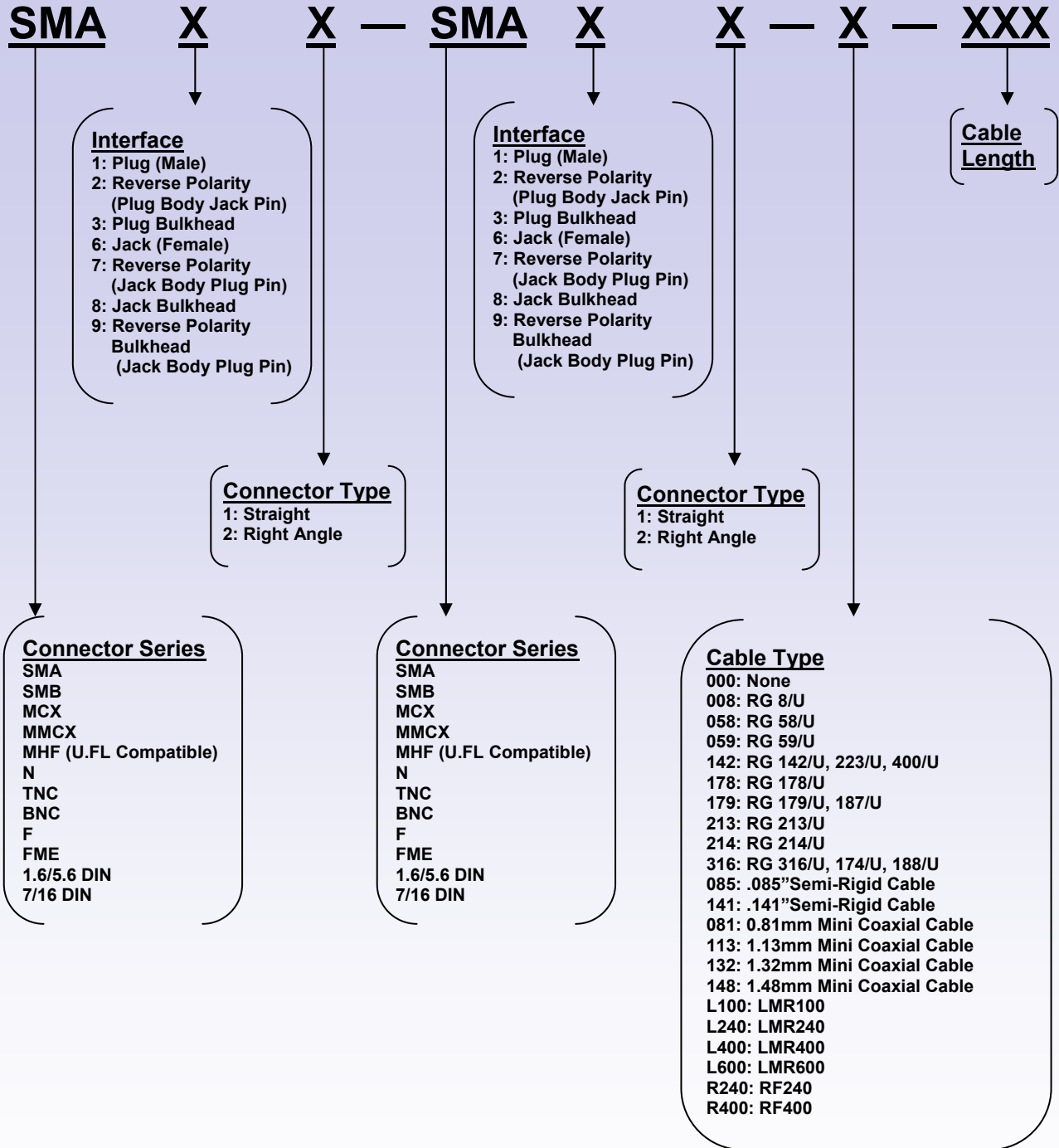


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RF Cable Assembly Number Legend



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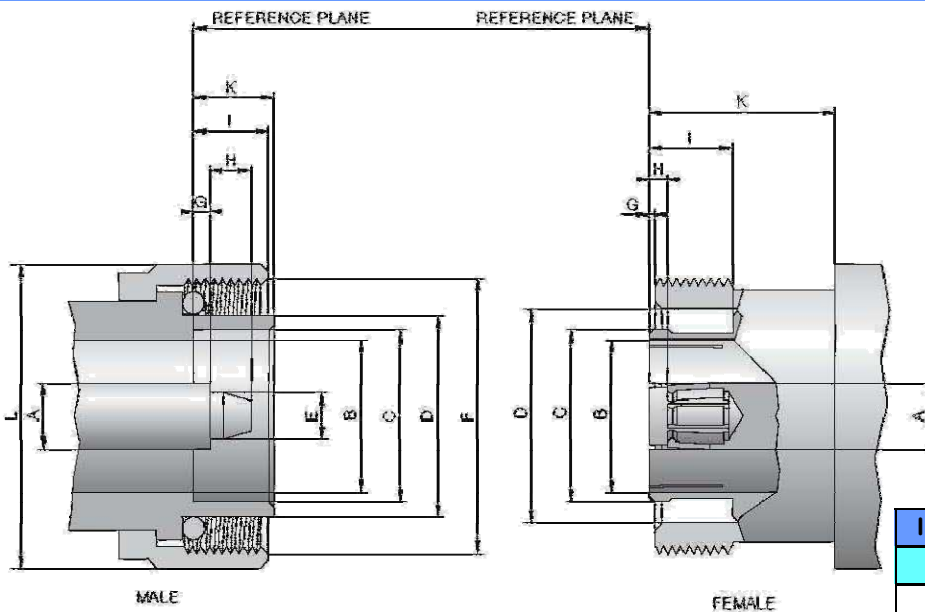
7/16 Series

The 7/16 DIN Series is designed for use in transmission of medium to high power in transmitting stations and low loss transmission of received signals. These connectors perform exceptionally well in multi-channel cellular systems where power levels approximate 100 watts per channel.

Applications:

- ◆ Antennas
- ◆ Base Stations
- ◆ Cable Assembly
- ◆ Jumper Cable
- ◆ Broadcast
- ◆ Components (Control)
- ◆ Lightning Protection
- ◆ Satcom

Interface Mating Dimensions:



Interface Dimension in Millimeters					
	Male		Female		
	Min.	Max.		Min.	Max.
A	7.00 nom		A	7.00 nom	
B	15.85	15.85	B	15.85	16.25
C	18.03	18.21	C	Resilient dim.	
D	20.60	21.40	D	22.10	22.90
E	4.96	5.04	E		
F	M29x1.5		F	M29x1.5	
G	1.47	1.77	G	0.50	0.70
H		4.5	H	1.77	2.07
I	7.00	9.00	I	8.10	
K	7.00	8.00	K	10.00	
L	32.00 nom		L		

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7/16 Series

Technical Characteristics

Electrical

Impedance	50 ohm	
Frequency Range	0 – 7.5 GHz	
Working Voltage	2700 VRMS max.	
Dielectric Withstanding Voltage	4000 VRMS	
VSWR	Straight	1.3 max.
	Right Angle	1.5 max.
Contact Resistance	Center Contact	4 Milliohm Max.
	Outer Contact	1.5 Milliohm Max.
Insulator Resistance	5000 Mega ohms min.	

Material:

Part Name	Material	Finish
Body, Metal Parts	Brass	Nickel, Silver or Brass Tin-Zinc-Copper Alloy
Center Contacts	Plug: Brass	Gold
	Jack: Beryllium Copper, Phosphor Bronze	Gold
Insulator	PTFE	
Crimp Ferrule	Annealed Copper	Nickel, Silver or Brass Tin-Zinc-Copper Alloy
Clamp Gaskets	Silicone Rubber	

Mechanical & Environmental

Durability (Mating)	500 cycles min. (For Be/Cu Jack Contact only)
Temperature Range	-65°C ~ 85°C

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7/16 Series

7/161150-6-4H
7/16 DIN STR. PLUG
4 HOLE PANEL FLANGE RECEPTACLE



7/166150-6-4H
7/16 DIN STR. JACK
4 HOLE PANEL FLANGE RECEPTACLE



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