Connector Product Codes

General Details:

Florida RF Labs offers a wide range of connectors. Listed below are some of the most commonly used connectors with their product codes and part numbers for ordering. If you cannot find the connector type you need, please consult the factory

Code	Series	Gender	Type	Max Freq.	Electrical Length	Macola Number	
PRECISION HIGH FREQUENCY							
MMS	2.4 mm	(Male) plug	Straight	50 GHz		M1	
MFBS	2.4 mm	(Female) Bulkhead	Straight	50 GHz		M3	
MFS	2.4 mm	(Female) jack	Straight	50 GHz		M4	
MMR	2.4 mm	(Male) plug	Right angle	40 GHz			
SMMPFBS	GPPO (SMMP)	(Female) Bulkhead	Straight	50 GHz		J3	
SMMPFS	GPPO (SMMP)	(Female) jack	Straight	50 GHz		J4	
SMMPFR	GPPO (SMMP)	(Female)	Right angle	50 GHz		J8	
KMS	2.9 mm	(Male) plug	Straight	40 GHz		K1	
KMR	2.9 mm	(Male) plug	Right angle	40 GHz		K2	
KFBS	2.9 mm	(Female) Bulkhead	Straight	40 GHz		K3	
KFS	2.9 mm	(Female) jack	Straight	40 GHz		K4	
SMPMS	GPO (SMP)	(Male) plug	Straight	40 GHz		A1	
SMPFBS	GPO (SMP)	(Female) Bulkhead	Straight	40 GHz		A3	
SMPFS	GPO (SMP)	(Female) jack	Straight	40 GHz		A4	
SMPFF	GPO (SMP)	(Female)	Flange	40 GHz		A5	
SMPFR	GPO (SMP)	(Female)	Right angle	40 GHz		A8	
3MS	3.5 mm	(Male) plug	Straight	35 GHz		D1	
3FBS	3.5 mm	(Female) Bulkhead	Straight	35 GHz		D3	
3FS	3.5 mm	(Female) jack	Straight	35 GHz		D4	
STANDARD							
A7	7 mm (APC7)		Straight	18 GHz		A7	
SMS	SMA	(Male) plug	Straight	18 GHz		S1	
SMR	SMA	(Male) plug	Right angle	18 GHz		S2	
SFBS	SMA	(Female) Bulkhead	Straight	18 GHz		S3	
SFS	SMA	(Female) jack	Straight	18 GHz		S4	
TMS	TNC	(Male) plug	Straight	18 GHz		T1	
TMR	TNC	(Male) plug	Right angle	18 GHz		T2	
TFBS	TNC	(Female) Bulkhead	Straight	18 GHz		T3	
TFS	TNC	(Female) jack	Straight	18 GHz		T4	
NMS	TYPE N	(Male) plug	Straight	18 GHz		N1	
NMR	TYPE N	(Male) plug	Right angle	18 GHz		N2	
NFBS	TYPE N	(Female) Bulkhead	Straight	18 GHz		N3	
NFS	TYPE N	(Female) jack	Straight	18 GHz		N4	
NFFS	TYPE N	(Female)	Flange	18 GHz		N5	
BMS	BNC	(Male) plug	Straight	4 GHz		B1	
BMR	BNC	(Male) plug	Right angle	4 GHz		B2	
BFBS	BNC	(Female) Bulkhead	Straight	4 GHz		B3	
BFS	BNC	(Female) jack	Straight	4 GHz		B4	

VSWR 1.45max DC to Max Frequency

Connector Product Codes

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Code	Series	Gender	Type	Max Freq.	Electrical Length	Macola Number	
SUB-MINIATURES							
PKZMS	PKZ	(Male) plug	Straight	32 GHz		P1	
PKZFBS	PKZ	(Female) Bulkhead	Straight	32 GHz		P3	
PKZFS	PKZ	(Female)	Straight	32 GHz		P4	
SSMS	SSMA	(Male) plug	Straight	34 GHz		U1	
SSFS	SSMA	(Female) jack	Straight	34 GHz		U4	
SSMR	SSMA	(Male) plug	Right Angle	34 GHz			
MCXMS	MCX	(Male) plug	Straight	6 GHz		H1	
MCXMR	MCX	(Male)	Right Angle	6 GHz		H2	
MCXFBS	MCX	(Female) Bulkhead	Straight	6 GHz		H3	
MCXFS	MCX	(Female) jack	Straight	6 GHz		H4	
MMCXMS	MMCX	(Male) plug	Straight	6 GHz		V1	
MMCXMR	MMCX	(Male) plug	Right Angle	6 GHz		V2	
MMCXFBS	MMCX	(Female) Bulkhead	Straight	6 GHz		V3	
MMCXFS	MMCX	jack	Straight	6 GHz		V4	
SMCMS	SMC	(Male) plug	Straight	10 GHz		G1	
SMCMR	SMC	(Male) plug	Right Angle	10 GHz		G2	
SMCFR	SMC	(Female)	Right Angle	10 GHz		???	
SMCFS	SMC	(Female)	Straight	10 GHz		G6???	
SMBMS	SMB	(Male) plug	Straight	4 GHz		C1	
SMBMR	SMB	(Male) plug	Right Angle	4 GHz		C2	
SMBFS	SMB	(Female) jack	Straight	4 GHz		C4	
SMBFR	SMB	(Female)	Right Angle	4 GHz		C6	
OTHERS							
7/16MS	7/16 DIN	(Male) plug	Straight	7.5 GHz		F1	
7/16MR	7/16 DIN	(Male) plug	Right Angle	7.5 GHz		F2	
7/16FBS	7/16 DIN	(Female) Bulkhead	Straight	7.5 GHz		F3	
7/16FS	7/16 DIN	(Female) jack	Straight	7.5 GHz		F4	
OSSPMS	OSSP	(Male) plug	Straight	28 GHz		R1	
OSSPFBS	OSSP	(Female) Bulkhead	Straight	28 GHz		R3	
OSSPFS	OSSP	(Female) jack	Straight	28 GHz		R4	
BMAMS	OSP (BMA)	(Male)	Straight	22 GHz		???	
BMAFS	OSP (BMA)	(Female)	Straight	22 GHz		???	
BMAFBS	OSP (BMA)	(Female) Bulkhead	Straight	22 GHz		???	
OSPFS	OSP	(Female) plug	Straight	18 GHz		F2	
OSPFBS	OSP	(Female) Bulkhead	Straight	18 GHz		F3	
OSPMBS	OSP	(Male) Bulkhead	Straight	18 GHz		F9	
OSPMFS	OSP	(Male)	Straight	18 GHz		???	
SCMS	SC	(Male) plug	Straight	10 GHz		F1	
SCFBS	SC	(Female) Bulkhead	Straight	10 GHz		F3	

VSWR 1.45max DC to Max Frequency

Sex of the connector is determined by center pin.

Material and Plating

Standard material for hight performance connectors is stainless steel passivated. Gold plated stainless steel is also availible in most cases. Low frequency or low cost connectors are availible in brass gold, nickel or tri-metal plating.

Passive Intermodulation Concerns

To reduce problems with intermodulation distortion, Florida RF Labs offers connectors with silver or tri-metal plating (no nickel) on brass bodies. They can be used with cables that have silver plated copper center and outer conductors.

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