



**SMB Connectors — 50 Ohms**

SMB connectors meet or exceed the requirements of MIL-C-39012 series SMB. These subminiature connectors feature snap-on mating, 50 ohm impedance voltage rating of 375 V peak. The bodies are brass with gold or nickel plating. Contacts are gold plated. Insulators TFE.

**Straight Plugs — Braid Crimp/Solder Female Contact**

Stock No.	Mfr.'s Type	Fig.	Plating	RG/U Cables or Description	EACH	
					1-24	25-99
713-4270	903-285P-51S	1	Gold	174, 179, 187, 188, 316	9.24	7.63
713-4272	903-370P-51S	1	Nickel	174, 179, 187, 188, 316	5.88	4.76

**Angle Plugs — Braid Crimp/Solder Female Contact**

713-4274	903-289P-51A	2	Gold	174, 179, 187, 188, 316	6.72	5.45
713-4275	903-289P-51A2	2	Gold (die cast)	174, 179, 187, 188, 316	4.15	3.35
713-4276	903-367P-51A	2	Nickel	174, 179, 187, 188, 316	6.64	5.48
713-4277	903-367P-51A2	2	Nickel (die cast)	174, 179, 187, 188, 316	3.63	2.94
713-4282	903-291P-51A1	1	Gold (die cast)	178, 196	10.99	9.15

**Bulkhead Jacks — Male Contact**

713-4283	903-505J-51S	3	Gold	174, 179, 187, 188, 316	6.40	5.18
713-4287	903-505J-51S1	3	Gold	RD-316 (double shield)	6.16	4.99

**PCB Bulkhead Jack Receptacle — Male Contact**

713-4284	903-375J-53P	4	Nickel	Straight, 0.155" leg length	9.57	7.98
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**PCB Jack Receptacles — Male Contact**

713-4288	903-415J-51P	5	Gold	Straight, 0.155" leg and term.	5.56	4.50
713-4289	903-499J-51P	5	Gold (die cast)	Straight, with board lock	5.31	4.30
713-4290	903-499J-51P2	5	Gold (die cast)	Straight	3.61	3.01
713-4292	903-373J-51A	6	Tin/lead	Gold plated interface and contact	6.19	5.01
713-4286	903-518J-51P	7	Gold	End mount, 0.155" leg length	7.85	6.55

**SMB Connectors — 75 Ohms**

Easily identified by their red teflon insulators. Frequency: 0-4 GHz with low reflection. Voltage Rating for RG-188/U Cables: 335 V at sea level; 85 V at 70,000 feet. Materials: Bodies — brass or zinc, gold or nickel plated; Center contacts — beryllium copper, gold plated; Outer contact — nickel or gold plated; Insulators — TFE, red for I.D.; Crimp ferrules — annealed copper alloy. Mating: Snap-on coupling.

**Straight Plugs — Nickel Plated, Gold Plated Contact\***

Stock No.	Mfr.'s Type	Fig.	Plating	RG/U Cables or Description	EACH	
					1-24	25-99
713-4600	903-516P-71S	1	Nickel	Type 735A	14.26	11.88
713-4605	903-536P-71S	1	Nickel	RG-179/U	8.70	7.25

**Angle Plugs — Nickel Plated, Gold Plated Contact\***

713-4610	903-517P-71A	2	Nickel	Type 735A	7.53	6.10
713-4615	903-535P-71A	2	Nickel	RG-179/U	8.05	6.52

**PCB Jack Receptacles — Male Contact/Blunt Post Terminal**

713-4625	903-512J-71P	5	Gold	Straight, 0.155" legs	4.20	3.51
713-4635	903-519J-71P	6	Gold	Angle, 0.110" legs	11.82	9.81

**PCB Slide-On Plug Receptacle — Female Contact**

713-4620	903-524P-71P	8	Gold	Straight, 0.110" legs	13.04	10.87
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**PCB End Mount Jack Receptacle — Male Contact**

713-4630	903-518J-71P	7	Gold	Edge mount, 0.115" legs	7.54	6.22
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\*Cable Attachment: Outer — crimp; Inner — solder.

**MCX Connectors**

Conform to the European CECC 22220 specification and are 30% smaller than the SMB Series. Broadband performance with low reflection DC to 6 GHz. Snap-on mating. Braid crimp cable attachment and solder center pin. Impedance: 50 ohms. Voltage Rating: 335 Vrms. Materials: Body — brass with nickel or gold finish. Contacts: Male — brass; Female — beryllium copper, both gold-plated, 30 µ gold. Insulators: PTFE.

**Straight Plugs**

Stock No.	Mfr.'s Type	Fig.	Plating	RG/U Cables or Description	EACH	
					1-24	25-99
713-4720	919-101P-51SX	9	Gold	174, 188, 316	5.53	4.60
713-4725	919-101P-51S1X	9	Nickel	174, 188, 316	5.35	4.33
713-4715	919-121P-51SX	9	Gold	178, 196	6.47	5.34
713-4716	919-130P-51SX	9	Gold	RD-316 (double shield)	3.92	3.27

**Straight Plug for Semi-Rigid Cable (Solder to Body)**

713-4700	919-120P-51SX	9	Gold	0.086 semi-rigid	6.57	5.43
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**Angle Plugs**

713-4735	919-104P-51AX	10	Gold	174, 188, 316	6.23	5.05
713-4740	919-104P-51A1X	10	Nickel	174, 188, 316	5.79	4.68
713-4730	919-122P-51AX	10	Gold	178	6.58	5.42

**Angle Plugs for Semi-Rigid Cable (Solder to Body)**

713-4705	919-102P-51AX	10	Gold	0.086 semi-rigid	8.42	6.95
713-4710	919-103P-51AX	10	Gold	0.141 semi-rigid	8.42	6.95

**Straight Jacks**

713-4750	919-107J-51SX	11	Gold	174, 188, 316	5.14	4.16
713-4755	919-107J-51S1X	11	Nickel	174, 188, 316	4.71	3.89
713-4754	919-131J-51SX	11	Gold	196	4.47	3.73

**Straight Jack for Semi-Rigid Cable (Solder to Body)**

713-4745	919-114J-51SX	11	Gold	0.086 semi-rigid	6.53	5.28
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**PCB Jacks**

713-4760	919-109J-51PX	12	Gold	Straight, 0.155" legs	4.20	3.50
713-4770	919-119J-51AX	13	Gold	Right angle	6.68	5.51
713-4765	919-118J-51P	—	Gold	Surface mount	7.16	5.80

**Straight Bulkhead Jacks**

713-4756	919-128J-51SX	3	Gold	174, 188, 316	4.85	4.04
713-4758	919-129J-51SX	3	Gold	RD-316 (double shield)	4.85	4.04

**Micro-Mate™ MMCX Connectors**

Microminiature surface mount coaxial interconnection. Incorporates industry accepted MMCX interface which allows for intermatibility and provides a more robust interface than other unique proprietary interfaces. Frequency: DC thru 6 GHz. Impedance: 50 ohm. Working Voltage at Sea Level: ≤170 V rms, 50 Hz. BeCu with gold plating. Housing (SMT): Liquid crystal polymer. Insulator: PTFE.

**Surface Mount Jacks**

Stock No.	Mfr.'s Type	Fig.	Description	EACH	
				1-24	25-99
713-4400	908-22101	14	Surface mount, molded	4.93	3.99

**Straight Jack**

713-4410	908-42300	15	174, 188, 316	11.60	9.68
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**Edgecard and PCB Mounts**

713-4402	908-21100	16	Edgecard or vertical mount plug machined	8.66	7.14
713-4404	908-21103	17	Straight PCB plug, machined	8.55	7.05
713-4406	908-22100	18	Edgecard jack, machined	9.90	7.39
713-4408	908-24100	19	Right angle PCB mount jack, machined	11.26	9.38

**Straight Plugs**

Stock No.	Mfr.'s Type	Fig.	RG/U Cables	Termination	EACH	
					1-24	25-99
713-4412	908-41200	20	178, 196	Crimp/solder	8.18	6.75
713-4414	908-41300	20	174, 188, 316	Crimp/solder	8.18	6.75
713-4416	908-41400	21	0.086 semi-rigid	Solder/solder	11.82	9.77
713-4418	908-41500	20	RD-316	Crimp/solder	8.18	6.75
713-4420	908-41600	21	0.047 semi-rigid	Solder/solder	10.94	9.03

**Right Angle Plugs**

713-4424	908-43200	22	178, 196	Crimp/solder	9.51	7.86
713-4426	908-43300	22	174, 188, 316	Crimp/solder	9.51	7.86
713-4428	908-43400	23	0.086 semi-rigid	Solder/solder	10.94	9.03
713-4430	908-43500	22	RD-316	Crimp/solder	9.51	7.86
713-4432	908-43600	23	0.047 semi-rigid	Solder/solder	10.94	9.03

**Crimp Tool for RG-174, 178, 188, 196, 316, RD-316**

Cavity 1 — 0.105"; Cavity 2 — 0.128"; Cavity 3 — 0.151".

713-9199. CTL-13. MicroMate™, SMB and SMA connector series.....EACH 137.13

**Mounting and Decoupling Tool**

Tool for protective cap mounting and decoupling on right angle connector. 713-4444. 908-50100.....EACH 31.61