



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 |
|----------|--------------|---|--------|-----------------------------|------|------|

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 |
|----------|--------------|---|------|-----------------------|-------|-------|

PCB End Mount Jack Receptacle — Male Contact

| | | | | | | |
|----------|--------------|---|------|-------------------------|------|------|
| 713-4630 | 903-518J-71P | 7 | Gold | Edge mount, 0.115" legs | 7.54 | 6.22 |
|----------|--------------|---|------|-------------------------|------|------|

*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 |
|----------|---------------|---|------|------------------|------|------|

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 |
|----------|---------------|----|------|------------------|------|------|

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 |
|----------|-----------|----|---------------|-------|------|

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