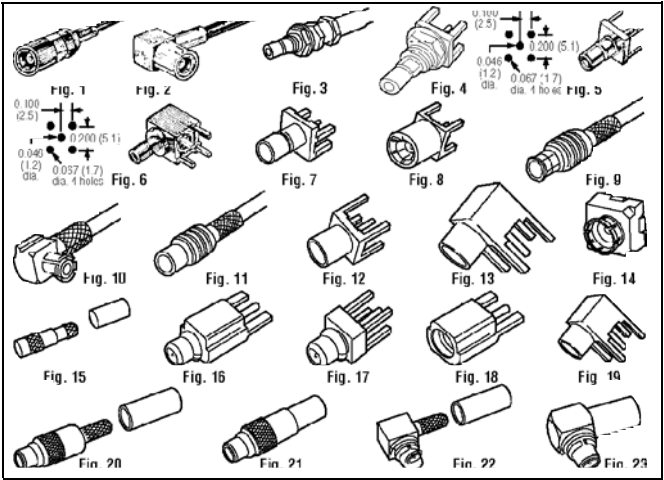




SMB Connectors — 50 Ohms

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 seal 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 CECG 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 B 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 |
|----------|-----------|----|---------------|-------|------|

Edgcard and PCB Mounts

|          |           |    |                                         |       |      |
|----------|-----------|----|-----------------------------------------|-------|------|
| 713-4402 | 908-21100 | 16 | Edgcard 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 | Edgcard 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