

# JOHNSON COMPONENTS RF Connectors

Johnson  
Connectivity Solutions

EMERSON  
Network Power

RoHS Compliant This product is RoHS compliant.

## SMA CABLE CONNECTORS

- Impedance: 50Ω
- Body: Brass
- Contact Plating: Gold
- Insulator: PTFE Fluorocarbon
- Temperature Range: -65° to +165°C
- Durability: 500 Cycles minimum
- Frequency Range: 0-12.4 GHz for Flexible Cable Types
- 0-26.5 GHz for Semi-Rigid Cable Types
- 0-28 GHz for Plugs with Semi-Rigid cable and Captivated Solderless Contact
- 0-25 GHz for Jacks with Semi-Rigid cable and Captivated Solderless Contact

For quantities of 500 and up, call for quote.

| MOUSER STOCK NO.   | Johnson Components Part No. | Fig. | Body Plating | Description / Cable Type                            | Price Each |    |    |     |
|--|-----------------------------|------|--------------|---|------------|----|----|-----|
|  |                             |      |              |   | 1          | 10 | 25 | 100 |
| <b>Straight Plugs - Semi-Rigid Cable</b>                                 |                             |      |              |   |            |    |    |     |
| 530-142-0693-001   | 142-0693-001                | A    | Gold         | .086 with Contact, Captive Nut                      |            |    |    |     |
| 530-142-0693-006   | 142-0693-006                | A    | Nickel       | .086 with Contact, Captive Nut                      |            |    |    |     |
| 530-142-0694-001   | 142-0694-001                | A    | Gold         | .141 with Contact, Captive Nut                      |            |    |    |     |
| 530-142-0694-006   | 142-0694-006                | A    | Nickel       | .141 with Contact, Captive Nut                      |            |    |    |     |
| <b>Straight Plugs - Semi-Rigid Cable - Captivated Solderless Contact</b> |                             |      |              |   |            |    |    |     |
| 530-142-0693-061   | 142-0693-061                | B    | Gold         | .086 with Captive Nut, 1 Piece Body                 |            |    |    |     |
| 530-142-0694-066   | 142-0694-066                | B    | Nickel       | .141 with Captive Nut, 1 Piece Body                 |            |    |    |     |
| <b>Right Angle Plugs - Semi-Rigid Cable</b>                              |                             |      |              |   |            |    |    |     |
| 530-142-0693-101   | 142-0693-101                | C    | Gold         | .086 with Contact, 1 Piece Body                     |            |    |    |     |
| 530-142-0694-101   | 142-0694-101                | C    | Gold         | .141 with Contact, 1 Piece Body                     |            |    |    |     |
| <b>Straight Plugs - Flexible Cable - Captivated Contact</b>              |                             |      |              |   |            |    |    |     |
| 530-142-0402-011   | 142-0402-011                | D    | Gold         | 178/U, 196  |            |    |    |     |
| 530-142-0403-011   | 142-0403-011                | D    | Gold         | 161/U, 174, 188, 316, LMR-100                       |            |    |    |     |
| 530-142-0404-011   | 142-0404-011                | D    | Gold         | 188 DS, 316 DS                                      |            |    |    |     |
| 530-142-0407-011   | 142-0407-011                | D    | Gold         | 58/U, 141, 303, LMR-195                             |            |    |    |     |
| 530-142-0408-011   | 142-0408-011                | D    | Gold         | 55/U, 142, 223, 400                                 |            |    |    |     |
| <b>Right Angle Plugs - Flexible Cable - Captivated Contacts</b>          |                             |      |              |   |            |    |    |     |
| 530-142-0402-101   | 142-0402-101                | E    | Gold         | 178/U, 196  |            |    |    |     |
| 530-142-0403-101   | 142-0403-101                | E    | Gold         | 161/U, 174, 188, 316, LMR-100                       |            |    |    |     |
| 530-142-0403-106   | 142-0403-106                | E    | Gold         | 161/U, 174, 188, 316, LMR-100                       |            |    |    |     |
| 530-142-0435-101   | 142-0435-101                | E    | Gold         | LMR-240, RF-195                                     |            |    |    |     |
| 530-142-0203-101   | 142-0203-101                | E    | Gold         | 161/U, 174, 188, 316, LMR-100                       |            |    |    |     |
| 530-142-0404-101   | 142-0404-101                | E    | Gold         | 188 DS, 316 DS                                      |            |    |    |     |
| 530-142-0408-101   | 142-0408-101                | E    | Gold         | 55/U, 142, 223, 400                                 |            |    |    |     |
| <b>Jacks</b>   |                             |      |              |   |            |    |    |     |
| 530-142-0593-001   | 142-0593-001                | F    | Gold         | Straight Semi-Rigid Cable .086                      |            |    |    |     |
| 530-142-0594-001   | 142-0594-001                | F    | Gold         | Straight Semi-Rigid Cable .141                      |            |    |    |     |
| 530-142-0593-401   | 142-0593-401                | G    | Gold         | Straight Semi-Rigid Cable .086 Rear Mount Bulkhead  |            |    |    |     |
| 530-142-0594-401   | 142-0594-401                | G    | Gold         | Straight Semi-Rigid Cable .141 Rear Mount Bulkhead  |            |    |    |     |
| 530-142-0303-011   | 142-0303-011                | H    | Gold         | Straight Flex Cable 161/U, 174, 188, 316, LMR-100   |            |    |    |     |
| 530-142-0302-431   | 142-0302-431                | I    | Gold         | Straight Flex Cable 178/U, 196 - Bulkhead           |            |    |    |     |
| 530-142-0303-411   | 142-0303-411                | I    | Gold         | Straight Flex Cable 161/U, 174, 188, 316 - Bulkhead |            |    |    |     |

## SMA CONNECTOR TOOLING

### Crimp Tools

For quantities greater than listed, call for quote.

| MOUSER STOCK NO. | Johnson Components Part No. | Fig. | Description   | Price Each |   |
|------------------|-----------------------------|------|---|------------|---|
|                  |                             |      |   | 1          | 5 |
| 530-140-0000-952 | 140-0000-952                | J    | Economy Hand Crimp Tool ( Frame Only)               |            |   |
| 530-140-0000-951 | 140-0000-951                | ---  | Die for (RG 178,316/DS,58,142,735A,LMR-100,195,200) |            |   |

### Semi-Rigid Assembly Tools

For quantities greater than listed, call for quote.

| MOUSER STOCK NO. | Johnson Components Part No. | Fig. | Description                            | Price Each |    |    |     |
|------------------|-----------------------------|------|--|------------|----|----|-----|
|                  |                             |      |  | 1          | 10 | 25 | 100 |
| 530-140-0000-982 | 140-0000-982                | --   | Soldering Mating Fixture for SMA Plugs |            |    |    |     |
| 530-140-0000-973 | 140-0000-973                | --   | Soldering Mating Fixture for SMA Jacks |            |    |    |     |

## SMK (2.92MM) 40 GHZ CONNECTORS

- Connector Mating: per MIL-STD-348
- Impedance: 50Ω
- Connector Body: Stainless Steel
- Temperature Range: -65° to 165°C
- Frequency Range: 0-40GHz
- Contacts: Gold Plated
- Durability: 500 Cycles Minimum

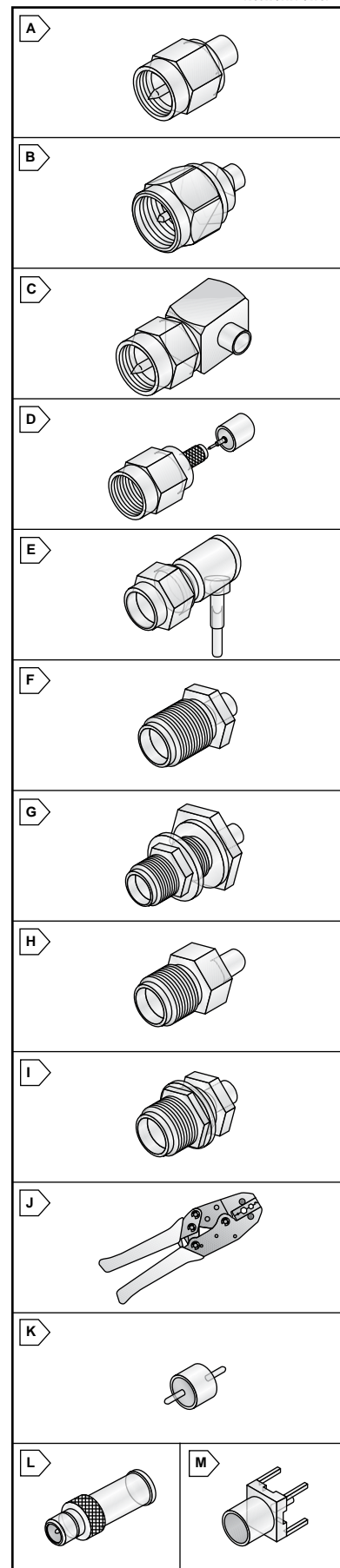
For quantities of 500 and up, call for quote.

| MOUSER STOCK NO.                     | Johnson Components Part No. | Fig. | Description / Cable Type                                | Price Each |    |    |     |  |
|--------------------------------------|-----------------------------|------|---|------------|----|----|-----|--|
|                                      |                             |      |   | 1          | 10 | 25 | 100 |  |
| <b>Straight Plugs for Semi-Rigid</b> |                             |      |   |            |    |    |     |  |
| 530-145-0693-001                     | 145-0693-001                | K    | .086 Semi-Rigid, with Contact, Slide-On Nut; Gold       |            |    |    |     |  |
| 530-145-0693-002                     | 145-0693-002                | K    | .086 Semi-Rigid, with Contact, Slide-On Nut; Passivated |            |    |    |     |  |
| 530-145-0694-002                     | 145-0694-002                | K    | .141 Semi-Rigid, with Contact, Slide-On Nut; Passivated |            |    |    |     |  |
| <b>Receptacles</b>                   |                             |      |   |            |    |    |     |  |
| 530-145-0701-601                     | 145-0701-601                | L    | 2-Hole Flange Mount Jack; Gold                          |            |    |    |     |  |
| 530-142-1000-033                     | 142-1000-033                | M    | Hermetic Seal Feed-Thru; Gold                           |            |    |    |     |  |

## SMK SEMI-RIGID ASSEMBLY TOOLS

For quantities of 10 and up, call for quote.

| MOUSER STOCK NO. | Johnson Components Part No. | Fig. | Description / Cable Type                             | Price Each |   |
|------------------|-----------------------------|------|--|------------|---|
|                  |                             |      |  | 1          | 5 |
| 530-140-0000-957 | 140-0000-957                | --   | SMK Bead Assembly Tool, Semi-Rigid Plugs, All Cables |            |   |
| 530-140-0000-959 | 140-0000-959                | --   | SMK Body Soldering Tool, .141" Plug                  |            |   |
| 530-140-0000-961 | 140-0000-961                | --   | SMK Contact Soldering Tool, .141" Plug               |            |   |
| 530-140-0000-968 | 140-0000-968                | --   | SMK Vise Stop (2.92 mm)                              |            |   |
| 530-140-0000-962 | 140-0000-962                | --   | Soldering Vise (Requires Inserts and Stop Screw)     |            |   |
| 530-140-0000-965 | 140-0000-965                | --   | Semi-Rigid Cable Clamp Insert for .141" Cable        |            |   |



RF Connectors

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