

RF Coaxial Connectors



SMA Coaxial Connectors — 50 Ohm

Brass bodies with gold or nickel plating. **Contacts:** Male — brass with gold plating; Female — beryllium copper with gold plating. **Insulators:** PTFE fluorocarbon or tefzel. **Working Voltage (Vrms Maximum) for Cabled Connectors:** Ranges from 170 for RG-178 to 500 for 0.141 semi-rigid with contact. **Frequency Range:** Cabled Connectors — 0-12.4 GHz; Uncabled Receptacles, RA Semi-Rigid Cable Connectors — 0-18.0 GHz; Straight Semi-Rigid Cable Connectors and Field Replaceable Connectors — 0-26.5 GHz.

Cabled Plugs

| Stock No. | Mfr.'s Type   | Fig. | Description                                                | For RG Cable                                 | Plating | EACH  |       |
|-----------|---------------|------|------------------------------------------------------------|----------------------------------------------|---------|-------|-------|
|           |               |      |                                                            |                                              |         | 1-9   | 10-49 |
| 528-0241  | 142-0203-101  | 1    | Right Angle, Clamp Type                                    | 161, 174, 188, 316                           | Gold    | 8.61  | 7.76  |
| 528-2009  | 142-0693-101  | 2    | Right Angle, Solder Type                                   | 0.086 Semi-Rigid                             | Gold    | 9.26  | 8.46  |
| 528-2011  | 142-0693-106  | 2    | Right Angle, Solder Type                                   | 0.086 Semi-Rigid                             | Nickel  | 8.95  | 8.20  |
| 528-2000  | 142-0403-101  | 2    | Right Angle, Crimp Type                                    | 161, 174, 188, 316, LMR-100, HPF-100, RF-100 | Gold    | 6.55  | 5.91  |
| 528-2002  | 142-0403-106  | 2    | Right Angle, Crimp Type                                    | 161, 174, 188, 316, LMR-100, HPF-100, RF-100 | Nickel  | 7.88  | 7.20  |
| 528-2600  | 142-0407-101  | 3    | Right Angle, Crimp Type                                    | 58, 141, 303, LMR-195, HPF-195, RF-195       | Gold    | 8.78  | 8.05  |
| 528-2602  | 142-0408-101  | 4    | Right Angle, Crimp Type                                    | 55, 142, 223, 400                            | Gold    | 8.61  | 7.88  |
| 528-2604  | 142-0439-101  | 3    | Right Angle, Crimp Type                                    | LMR-200, HPF-200, RF-200                     | Gold    | 9.36  | 8.59  |
| 528-2606  | 142-0435-101  | 3    | Right Angle, Crimp Type                                    | LMR-240, HPF-240, RF-240                     | Gold    | 10.40 | 9.54  |
| 528-1998  | 142-0402-011* | 5    | Straight Crimp, Solder or Crimp Captivated Contact         | 178, 196                                     | Gold    | 6.56  | 5.91  |
| 528-1999  | 142-0402-016* | 5    | Straight, Crimp Type                                       | 178, 196                                     | Nickel  | 6.47  | 5.93  |
| 528-2004  | 142-0403-011* | 5    | Crimp Captivated Contact                                   | 161, 174, 188, 316, LMR-100, HPF-100, RF-100 | Gold    | 5.54  | 5.00  |
| 528-2006  | 142-0403-016* | 5    | Straight Crimp, Solder or Crimp Captivated Contact         | 161, 174, 188, 316, LMR-100, HPF-100, RF-100 | Nickel  | 5.16  | 4.66  |
| 528-2610  | 142-0407-011* | 5    | Straight Crimp, Solder or Crimp Captivated Contact         | 58, 141, 303, LMR-195, HPF-195, RF-195       | Gold    | 6.24  | 5.62  |
| 528-2007  | 142-0407-016* | 5    | Straight Crimp, Solder or Crimp Captivated Contact         | 58, 141, 303, LMR-195, HPF-195, RF-195       | Nickel  | 5.83  | 5.25  |
| 528-2416  | 142-0408-011* | 5    | Straight Crimp, Solder or Crimp Captivated Contact         | 55, 142, 223, 400                            | Gold    | 5.91  | 5.33  |
| 528-2614  | 142-0439-001* | 6    | Straight Crimp Captivated Contact                          | LMR-200, HPF-200, RF-200                     | Gold    | 6.65  | 6.10  |
| 528-2616  | 142-0439-006* | 6    | Straight Crimp Captivated Contact                          | LMR-200, HPF-200, RF-200                     | Nickel  | 6.24  | 5.72  |
| 528-2618  | 142-0435-001* | 6    | Straight Crimp Captivated Contact                          | LMR-240, HPF-240, RF-240                     | Gold    | 6.66  | 6.10  |
| 528-2620  | 142-0435-006* | 6    | Straight Crimp Captivated Contact                          | LMR-240, HPF-240, RF-240                     | Nickel  | 6.24  | 5.72  |
| 528-2008  | 142-0694-021  | 7    | Straight, Solder without Contact, Slide-On Nut, Thick Wall | 0.141 Semi-Rigid                             | Gold    | 1.82  | 1.66  |
| 528-2010  | 142-0693-001  | 8    | Straight, Solder with Contact, Captive Nut, Thick Wall     | 0.086 Semi-Rigid                             | Gold    | 3.84  | 3.47  |
| 528-2012  | 142-0694-011  | 9    | Straight Solder, without Contact, Thread-On Nut, Thin Wall | 0.141 Semi-Rigid                             | Gold    | 1.28  | 1.16  |
| 528-0242  | 142-0203-011  | 10   | Straight Clamp Type                                        | 161, 174, 188, 316                           | Gold    | 9.94  | 8.97  |

Straight Solder Type Jack

|          |              |    |                |                  |      |      |      |
|----------|--------------|----|----------------|------------------|------|------|------|
| 528-2420 | 142-0593-001 | 11 | Solder Contact | 0.086 Semi-Rigid | Gold | 4.28 | 3.87 |
| 528-2448 | 142-0594-001 | 11 | Solder Contact | 0.141 Semi-Rigid | Gold | 6.28 | 5.75 |

Straight Crimp Type Jack (3 Piece)

|          |              |    |                                    |                    |      |      |      |
|----------|--------------|----|------------------------------------|--------------------|------|------|------|
| 528-2406 | 142-0303-011 | 12 | Solder or Crimp Captivated Contact | 161, 174, 188, 316 | Gold | 7.28 | 6.66 |
|----------|--------------|----|------------------------------------|--------------------|------|------|------|

\*Three piece.

SMA In-Series Adapters

Right-Angle Adapters

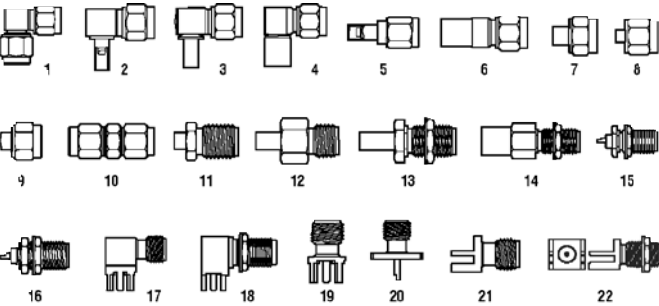
| Stock No. | Mfr.'s Type  | Fig. | Description   | Plating         | EACH  |       |
|-----------|--------------|------|---------------|-----------------|-------|-------|
|           |              |      |               |                 | 1-9   | 10-49 |
| 528-1950  | 142-0901-921 | 1    | SMA Jack/Jack | Gold over Brass | 17.89 | 16.13 |
| 528-1952  | 142-0901-931 | 2    | SMA Plug/Plug | Gold over Brass | 24.56 | 22.13 |
| 528-1954  | 142-0901-941 | 3    | SMA Jack/Plug | Gold over Brass | 14.53 | 13.11 |

Straight Adapters

|          |              |   |                        |                 |       |       |
|----------|--------------|---|------------------------|-----------------|-------|-------|
| 528-1956 | 142-0901-801 | 4 | SMA Jack/Jack          | Gold over Brass | 10.24 | 9.24  |
| 528-2150 | 142-0901-401 | 5 | SMA Jack/Bulkhead Jack | Gold over Brass | 15.80 | 14.26 |
| 528-2160 | 142-0901-811 | 6 | SMA Plug/Plug          | Gold over Brass | 12.95 | 11.68 |
| 528-1962 | 142-0901-821 | 7 | SMA Plug/Jack          | Gold over Brass | 12.48 | 11.25 |

SMA Jack Receptacles — Knurl Mount

| Stock No. | Mfr.'s Type  | Fig. | Description               | Plating         | EACH |       |
|-----------|--------------|------|---------------------------|-----------------|------|-------|
|           |              |      |                           |                 | 1-9  | 10-49 |
| 528-1964  | 142-1721-001 | 1    | 0.020" Wide Tab Contact   | Gold over Brass | 6.39 | 5.84  |
| 528-1966  | 142-1721-011 | 2    | 0.030" Round Contact      | Gold over Brass | 4.97 | 4.55  |
| 528-1968  | 142-1721-021 | 2    | 0.050" Round Contact      | Gold over Brass | 5.49 | 5.03  |
| 528-1969  | 142-0701-481 | 3    | 0.036" Solder Cup Contact | Gold over Brass | 5.71 | 5.24  |



Straight Crimp Type Jack (3 Piece) (Continued)

| Stock No. | Mfr.'s Type  | Fig. | Description                                  | For RG Cable                                 | Plating | EACH  |       |
|-----------|--------------|------|----------------------------------------------|----------------------------------------------|---------|-------|-------|
|           |              |      |                                              |                                              |         | 1-9   | 10-49 |
| 528-2630  | 142-0307-011 | 12   | Solder or Crimp Captivated Contact           | 58, 141, 303                                 | Gold    | 7.28  | 6.66  |
| 528-2634  | 142-0303-411 | 13   | Bulkhead, Solder or Crimp Captivated Contact | 161, 174, 188, 316, LMR-100, HPF-100, RF-100 | Gold    | 8.47  | 7.76  |
| 528-2636  | 142-0303-416 | 13   | Bulkhead, Solder or Crimp Captivated Contact | 161, 174, 188, 316, LMR-100, HPF-100, RF-100 | Nickel  | 8.15  | 7.47  |
| 528-2638  | 142-0307-411 | 13   | Bulkhead, Solder or Crimp Captivated Contact | 58, 141, 303, LMR-195, HPF-195, RF-195       | Gold    | 8.64  | 7.92  |
| 528-2640  | 142-0339-401 | 14   | Bulkhead, Solder or Crimp Captivated Contact | LMR-200, HPF-200, RF-200                     | Gold    | 10.40 | 9.54  |
| 528-2642  | 142-0335-401 | 14   | Bulkhead, Solder or Crimp Captivated Contact | LMR-240, HPF-240, RF-240                     | Gold    | 10.40 | 9.54  |

PCB Mount Jack Receptacles

| Stock No. | Mfr.'s Type  | Fig. | Description                                                                          | Plating | EACH  |       |
|-----------|--------------|------|--------------------------------------------------------------------------------------|---------|-------|-------|
|           |              |      |                                                                                      |         | 1-9   | 10-49 |
| 528-0240  | 142-0701-401 | 15   | Rear-Mount, Bulkhead, Solder Cup Terminal                                            | Gold    | 5.35  | 4.83  |
| 528-2650  | 142-0701-406 | 15   | Rear-Mount, Bulkhead, Solder Cup Terminal                                            | Nickel  | 5.50  | 5.04  |
| 528-0239  | 142-0701-411 | 16   | Front-Mount, Bulkhead, Solder Cup Terminal                                           | Gold    | 6.89  | 6.22  |
| 528-2014  | 142-0701-301 | 17   | Right Angle, PC Mount Jack, Solder Type, 0.155" Legs                                 | Gold    | 7.68  | 6.93  |
| 528-2016  | 142-0701-306 | 17   | Right Angle, PC Mount Jack, Solder Type, 0.155" Legs                                 | Nickel  | 5.84  | 5.27  |
| 528-2018  | 142-0701-501 | 18   | Right Angle, Bulkhead Jack, 0.155" Legs                                              | Gold    | 10.93 | 9.86  |
| 528-2426  | 142-0701-506 | 18   | Right Angle, Bulkhead Jack, 0.155" Legs                                              | Nickel  | 11.55 | 10.59 |
| 528-3231  | 142-0701-211 | 19   | Straight PC Mount Jack, Solder Type, 0.281" Layout, 0.155" Legs                      | Gold    | 11.33 | 10.20 |
| 528-0233  | 142-0701-201 | 19   | Straight PC Mount Jack, Solder Type, 0.200" Layout, 0.155" Leg Length                | Gold    | 4.33  | 3.79  |
| 528-2654  | 142-0701-206 | 19   | Straight PC Mount Jack, Solder Type, 0.200" Layout, 0.155" Leg Length                | Nickel  | 6.00  | 5.49  |
| 528-1992  | 142-0701-231 | 19   | Straight PC Mount Jack, Solder Type, 0.200" Layout, 0.110" Leg Length                | Gold    | 6.17  | 5.56  |
| 528-0234  | 142-0701-631 | 20   | 4-Hole Flange Mount Jack, Solder Type                                                | Gold    | 5.74  | 5.18  |
| 528-0235  | 142-0701-621 | 20   | 2-Hole Flange Mount Jack, Solder Type                                                | Gold    | 5.73  | 5.18  |
| 528-0238  | 142-0701-801 | 21   | End Launch PC Mount Jack for 0.062" PC Board                                         | Gold    | 5.84  | 5.27  |
| 528-2656  | 142-0701-806 | 21   | End Launch PC Mount Jack for 0.062" PC Board                                         | Nickel  | 6.66  | 6.11  |
| 528-2436  | 142-0711-821 | 21   | End Launch Round Contact for 0.062" PC Board                                         | Gold    | 6.02  | 5.44  |
| 528-2438  | 142-0711-826 | 21   | End Launch Round Contact for 0.062" PC Board                                         | Nickel  | 6.24  | 5.62  |
| 528-1994  | 142-0701-831 | 21   | End Launch Round Contact for 0.042" PC Board                                         | Gold    | 6.58  | 5.94  |
| 528-0231  | 142-0701-881 | 21   | End Launch Round Contact for 0.031" PC Board                                         | Gold    | 5.97  | 5.06  |
| 528-1995  | 142-0701-851 | 21   | End Launch Tab Contact for 0.062" PC Board                                           | Gold    | 7.05  | 6.36  |
| 528-2658  | 142-0701-841 | 21   | End Launch Tab Contact for 0.042" PC Board                                           | Gold    | 8.69  | 7.82  |
| 528-1996  | 142-0701-871 | 22   | End Launch, Bulkhead, Round Contact for 0.062" PC Board, 0.125" Max. Panel Thickness | Gold    | 8.47  | 7.74  |

Plug Receptacles for 0.062" Thick PC Boards

| Stock No. | Mfr.'s Type  | Description              | Plating | EACH  |       |
|-----------|--------------|--------------------------|---------|-------|-------|
|           |              |                          |         | 1-9   | 10-49 |
| 528-2446  | 142-0801-801 | End Launch Round Contact | Gold    | 10.94 | 10.00 |
| 528-2442  | 142-0801-806 | End Launch Round Contact | Nickel  | 10.61 | 9.73  |

End Launch Surface Mount Jack Receptacle

This connector fits all PC board thicknesses. **Plating:** Gold.

528-2660. 142-0721-881. 1-9 .....EACH 6.66 10-49 .....EACH 6.10

Straight Jack Receptacle — Surface Mount

| Stock No. | Mfr.'s Type  | Description | Plating | EACH |       |
|-----------|--------------|-------------|---------|------|-------|
|           |              |             |         | 1-9  | 10-49 |
| 528-2432  | 142-0711-201 | 4 × □.063   | Gold    | 4.82 | 4.35  |

Turn To Section 1 For Allied Office Addresses and Local Phone Numbers

ALLIED ► 481