

SMB 50 ohm Coaxial Connectors

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|------------------------|--|---------------------|---------------------------------|----------------------|-------------|------------------------|---------------|-----------------------|---------------|----------------------|--|----------------|---------------------|-------------|------------------------|-------------|----------------------|---------------|----------------------|------------------------|-----------------------|---------------------|-----------------|---------------------|-------------|-----------------------|---------------|-----------------------|---------------|--|--|
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <p>50Ω SMB Angle Plugs - Braid Crimp/Solder Female Contact</p> <table border="1"> <tr> <td rowspan="4">RG-174 179, 187, 188, 316</td> <td>903-289P-51A</td> <td>Gold Plated</td> </tr> <tr> <td>903-289P-51A2▲*</td> <td>Gold Plated</td> </tr> <tr> <td>903-367P-51A</td> <td>Nickel Plated</td> </tr> <tr> <td>903-367P-51A1</td> <td>Nickel Plt. Body, Gold Plt Outer Cont.</td> </tr> <tr> <td rowspan="3">RG-178, 196</td> <td>903-291P-51A</td> <td>Gold Plated</td> </tr> <tr> <td>903-291P-51A1▲*</td> <td>Gold Plated</td> </tr> <tr> <td>903-368P-51A</td> <td>Nickel Plated</td> </tr> <tr> <td rowspan="2">Dbl. Br. RG-316</td> <td>903-368P-51A1▲*</td> <td>Nickel Plated</td> </tr> <tr> <td>903-369P-51A</td> <td>Nickel Plated</td> </tr> <tr> <td colspan="2"></td> <td>903-369P-51A2*</td> <td>Nickel Plated</td> </tr> </table> | | RG-174 179, 187, 188, 316 | 903-289P-51A | Gold Plated | 903-289P-51A2▲* | Gold Plated | 903-367P-51A | Nickel Plated | 903-367P-51A1 | Nickel Plt. Body, Gold Plt Outer Cont. | RG-178, 196 | 903-291P-51A | Gold Plated | 903-291P-51A1▲* | Gold Plated | 903-368P-51A | Nickel Plated | Dbl. Br. RG-316 | 903-368P-51A1▲* | Nickel Plated | 903-369P-51A | Nickel Plated | | | 903-369P-51A2* | Nickel Plated | | | | |
| RG-174 179, 187, 188, 316 | 903-289P-51A | Gold Plated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 903-289P-51A2▲* | Gold Plated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 903-367P-51A | Nickel Plated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 903-367P-51A1 | Nickel Plt. Body, Gold Plt Outer Cont. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RG-178, 196 | 903-291P-51A | Gold Plated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 903-291P-51A1▲* | Gold Plated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 903-368P-51A | Nickel Plated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dbl. Br. RG-316 | 903-368P-51A1▲* | Nickel Plated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 903-369P-51A | Nickel Plated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 903-369P-51A2* | Nickel Plated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>50Ω SMB Plugs - Braid Crimp/Solder Female Contact</p> <table border="1"> <tr> <td rowspan="5">RG-174,179, 187,188, 316</td> <td>903-285P-51S</td> <td>Gold Plated</td> </tr> <tr> <td>903-508P-51S●</td> <td>Gold Plated</td> </tr> <tr> <td>903-370P-51S▲</td> <td>Nickel Plated</td> </tr> <tr> <td>903-577P-51S1*</td> <td>Nickel Plated</td> </tr> <tr> <td>903-577P-51S*</td> <td>Gold Plated</td> </tr> <tr> <td rowspan="5">RG-178,196</td> <td>903-287P-51S</td> <td>Gold Plated</td> </tr> <tr> <td>903-509P-51S●</td> <td>Gold Plated</td> </tr> <tr> <td>903-371P-51S▲</td> <td>Nickel Plated</td> </tr> <tr> <td>903-578P-51S*</td> <td>Gold Plated</td> </tr> <tr> <td>903-578P-51S1*</td> <td>Nickel Plated</td> </tr> <tr> <td rowspan="3">Dbl. Br. RG-316</td> <td>903-401P-51S</td> <td>Gold Plated</td> </tr> <tr> <td>903-579P-51S*</td> <td>Gold Plated</td> </tr> <tr> <td>903-579P-51S1*</td> <td>Nickel Plated</td> </tr> </table> | | RG-174,179, 187,188, 316 | 903-285P-51S | Gold Plated | 903-508P-51S● | Gold Plated | 903-370P-51S▲ | Nickel Plated | 903-577P-51S1* | Nickel Plated | 903-577P-51S* | Gold Plated | RG-178,196 | 903-287P-51S | Gold Plated | 903-509P-51S● | Gold Plated | 903-371P-51S▲ | Nickel Plated | 903-578P-51S* | Gold Plated | 903-578P-51S1* | Nickel Plated | Dbl. Br. RG-316 | 903-401P-51S | Gold Plated | 903-579P-51S* | Gold Plated | 903-579P-51S1* | Nickel Plated | | |
| RG-174,179, 187,188, 316 | 903-285P-51S | | Gold Plated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 903-508P-51S● | | Gold Plated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 903-370P-51S▲ | | Nickel Plated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 903-577P-51S1* | | Nickel Plated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 903-577P-51S* | Gold Plated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RG-178,196 | 903-287P-51S | Gold Plated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 903-509P-51S● | Gold Plated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 903-371P-51S▲ | Nickel Plated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 903-578P-51S* | Gold Plated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 903-578P-51S1* | Nickel Plated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dbl. Br. RG-316 | 903-401P-51S | Gold Plated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 903-579P-51S* | Gold Plated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 903-579P-51S1* | Nickel Plated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <p>50Ω SMB Low Profile Angle Plugs, Braid Crimp/Solder Female Contact</p> <table border="1"> <tr> <td>RG-174,179, 187,188, 316</td> <td>903-429P-51A</td> <td>Gold Plated</td> </tr> </table> | | RG-174,179, 187,188, 316 | 903-429P-51A | Gold Plated | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RG-174,179, 187,188, 316 | 903-429P-51A | Gold Plated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

50 ohm SMB PLUGS & ANGLE PLUGS

| Cable RG-/U | Connector Description | Cable Attachment | | c Dia. In. (mm) | CAI | Plt. | Ins. | Notes | Amphenol Number | Fig. |
|-------------------------|-----------------------|------------------|------------|-----------------|-----|------|----------------------|-----------------------------------|-----------------------------------|------|
| | | Outer | Inner | | | | | | | |
| RG-174,179,187, 188,316 | Plug | Crimp | Solder | .128(3.3)‡ | C60 | P11 | D1 | Gold Plated Body | 903-285P-51S | 1 |
| | | | | .128(3.3)‡ | C62 | P11 | D1 | Gold Plated Body | ● 903-508P-51S | 1A |
| | | | | .128(3.3)‡ | C60 | P15 | D1 | Nickel Plated Body | ▲ 903-370P-51S | 1 |
| | | | | .128(3.3)‡ | C60 | P15 | D1 | Nickel Plated Body | * 903-577P-51S1 | 1A |
| | | | | .128(3.3)‡ | C60 | P15 | D1 | Gold Plated Body | * 903-577P-51S | 1A |
| | Angle Plug | Crimp | Solder | .128(3.3)‡ | C61 | P11 | D1 | Gold Plated Body | ● 903-289P-51A | 2 |
| | | | | .128(3.3)‡ | C61 | P11 | D1 | Gold Plated Body | ●▲* 903-289P-51A2 | 2 |
| | | | | .128(3.3)‡ | C61 | P15 | D1 | Nickel Plated Body | 903-367P-51A | 2 |
| | | | | .128(3.3)‡ | C61 | P15 | D1 | Nickel Plated Body | ●▲* 903-367P-51A2 | 2 |
| | | | | .128(3.3)‡ | C61 | P15 | D1 | Nickel Plated Body ★ | 903-367P-51A1 | 2 |
| Low Profile Angle Plug | Crimp | Solder | .128(3.3)‡ | C61 | P26 | D1 | Nickel Plated Body ★ | 903-429P-51A | 3 | |
| RG-178,196 | Plug | Crimp | Solder | .100(2.5)‡ | C60 | P11 | D1 | Gold Plated Body | 903-287P-51S | 1 |
| | | | | .100(2.5)‡ | C62 | P11 | D1 | Gold Plated Body | ● 903-509P-51S | 1A |
| | | | | .100(2.5)‡ | C60 | P15 | D1 | Nickel Plated Body | 903-371P-51S | 1 |
| | | | | .100(2.5)‡ | C60 | P15 | D1 | Gold Plated Body | * 903-578P-51S | 1A |
| | | | | .100(2.5)‡ | C60 | P15 | D1 | Nickel Plated Body | * 903-578P-51S1 | 1A |
| Angle Plug | Crimp | Solder | .100(2.5)‡ | C61 | P11 | D1 | Gold Plated Body | 903-291P-51A | 2 | |
| | | | .100(2.5)‡ | C61 | P11 | D1 | Gold Plated Body | ●▲* 903-291P-51A1 | 2 | |
| | | | .100(2.5)‡ | C61 | P15 | D1 | Nickel Plated Body | 903-368P-51A | 2 | |
| | | | .100(2.5)‡ | C61 | P15 | D1 | Nickel Plated Body | ●▲* 903-368P-51A1 | 2 | |
| | | | .100(2.5)‡ | C61 | P15 | D1 | Nickel Plated Body | ●▲* 903-368P-51A1 | 2 | |
| Dbl. Braid 316 | Angle Plug | Crimp | Solder | .142(3.6)‡ | C61 | P22 | D1 | Nickel Plated Body | 903-369P-51A | 2 |
| | | | | .142(3.6)‡ | C61 | P15 | D1 | Nickel Plated Body | ● * 903-369P-51A2 | 2 |
| | Plug | Crimp | Solder | .142(3.6)‡ | C60 | P11 | D1 | Gold Plated Body | 903-401P-51S | 1 |
| | | | | .142(3.6)‡ | C60 | P11 | D1 | Gold Plated Body | * 903-579P-51S | 1A |
| | | | | .142(3.6)‡ | C60 | P15 | D1 | Nickel Plated Body | * 903-579P-51S1 | 1A |

‡ i.d. of outer crimp ferrule ★ Gold plated outer contact ▲ Distributor stocked * Diecast outer body ● Commercial grade

Mouser Electronics

Authorized Distributor

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[Amphenol:](#)

[903-287P-51S](#) [903-368P-51A1](#) [903-371P-51S](#) [903-368P-51A](#) [903-367P-51A1](#)