



M39029/27
852-001
Size 12 Coaxial Socket

D38999
Series II

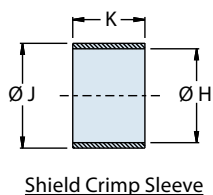
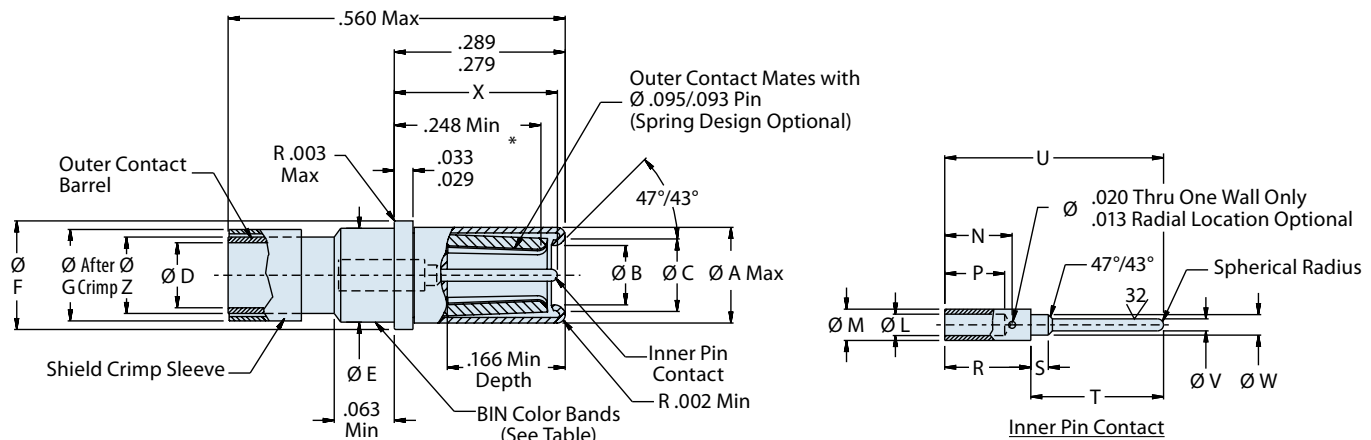
Size #12 Coaxial Socket Contacts for MIL-DTL-38999 Series II Connectors



These #12 contacts accept 50 ohm and 75 ohm coaxial cable. Inner contact is rated at 1 amp, the outer contact 12 amps. DWV rating is 1000 Vac rms sea level, 250 Vac at 50,000 feet. Contacts are packaged individually and shipped unassembled with instruction sheet. One contact consists of outer contact, fluorocarbon dielectric, inner contact and shield crimp sleeve. Inner and outer contacts are gold-plated copper alloy. Approved to SAE AS39029. 5000 megohm insulation resistance.

B

| Type | Cable Accommodation | Part Number | Military Part Number | Color Band | | |
|--------|--------------------------------------|-----------------------|----------------------|------------|-------|--------|
| | | | | 1st | 2nd | 3rd |
| Socket | RG174, RG316, RG179 | 852-001-12-210 | M39029/27-210 | Red | Brown | Black |
| | RG180 | 852-001-12-402 | M39029/27-402 | Yellow | Black | Red |
| | Microdot 250-4070 | 852-001-12-403 | M39029/27-403 | Yellow | Black | Orange |
| | Raychem 48-502, 5022E5111 | 852-001-12-404 | M39029/27-404 | Yellow | Black | Yellow |
| | Raychem 48-950, 9530D5117 | 852-001-12-405 | M39029/27-405 | Yellow | Black | Green |
| | Raychem 7624D1311, 9527A1318 | 852-001-12-406 | M39029/27-406 | Yellow | Black | Blue |
| | Gore GWN1159A | 852-001-12-407 | M39029/27-407 | Yellow | Black | Violet |
| | 1550MU-16, -20, -40, -70 (D24643/28) | 852-001-12-408 | M39029/27-408 | Yellow | Black | Gray |



Material and Finish
 Contact Body: Copper Alloy/Gold Plated
 Hood: Stainless Steel/Passivated
 Center Contact: Copper Alloy/Gold Plated
 Crimp Sleeve: Copper Alloy/Gold Plated
 Insulator: Teflon

* Indicates point at which a square ended pin of the same basic diameter as the mating contact first engages the outer contact spring

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852-001
Size 12 Coaxial Socket



Shielded
Contacts

B

Table I

| BIN Code | ØA Max | ØB | ØC | ØD Max | ØE | ØF | ØG Max | ØH Min | ØJ Max | K | ØL Min |
|----------|-------------|------------------------------|----------------------------|-------------|------------------------------|----------------------------|-------------|-------------|-------------|---------------------------|-------------|
| 210 | 0.161 (4.1) | 0.100 (2.54) 0.097 (2.46) | 0.123 (3.1) 0.118 (3.0) | 0.090 (2.3) | 0.151 (3.84) 0.148 (3.76) | 0.182 (4.6) 0.179 (4.5) | 0.156 (4.0) | 0.127 (3.2) | 0.169 (4.3) | 0.125 (3.2) 0.115(2.9) | 0.225 (5.7) |
| 402 | 0.161 (4.1) | 0.100 (2.54) 0.097 (2.46) | 0.123 (3.1) 0.118 (3.0) | 0.108 (2.7) | 0.151 (3.84) 0.148 (3.76) | 0.182 (4.6) 0.179 (4.5) | 0.156 (4.0) | 0.144 (3.7) | 0.169 (4.3) | 0.125 (3.2) 0.115(2.9) | 0.225 (5.7) |
| 403 | 0.161 (4.1) | 0.100 (2.54) 0.097 (2.46) | 0.123 (3.1) 0.118 (3.0) | 0.108 (2.7) | 0.151 (3.84) 0.148 (3.76) | 0.182 (4.6) 0.179 (4.5) | 0.156 (4.0) | 0.144 (3.7) | 0.169 (4.3) | 0.125 (3.2) 0.115(2.9) | 0.355 (9.0) |
| 404 | 0.161 (4.1) | 0.100 (2.54) 0.097 (2.46) | 0.123 (3.1) 0.118 (3.0) | 0.090 (2.3) | 0.151 (3.84) 0.148 (3.76) | 0.182 (4.6) 0.179 (4.5) | 0.156 (4.0) | 0.127 (3.2) | 0.169 (4.3) | 0.125 (3.2) 0.115(2.9) | 0.355 (9.0) |
| 405 | 0.161 (4.1) | 0.100 (2.54) 0.097 (2.46) | 0.123 (3.1) 0.118 (3.0) | 0.090 (2.3) | 0.151 (3.84) 0.148 (3.76) | 0.182 (4.6) 0.179 (4.5) | 0.156 (4.0) | 0.127 (3.2) | 0.169 (4.3) | 0.125 (3.2) 0.115(2.9) | 0.225 (5.7) |
| 406 | 0.161 (4.1) | 0.100 (2.54) 0.097 (2.46) | 0.123 (3.1) 0.118 (3.0) | 0.117 (3.0) | 0.151 (3.84) 0.148 (3.76) | 0.182 (4.6) 0.179 (4.5) | 0.156 (4.0) | 0.156 (4.0) | 0.174 (4.4) | 0.125 (3.2) 0.115(2.9) | 0.27 (6.9) |
| 407 | 0.161 (4.1) | 0.100 (2.54) 0.097 (2.46) | 0.123 (3.1) 0.118 (3.0) | 0.090 (2.3) | 0.151 (3.84) 0.148 (3.76) | 0.182 (4.6) 0.179 (4.5) | 0.156 (4.0) | 0.144 (3.7) | 0.169 (4.3) | 0.125 (3.2) 0.115(2.9) | 0.225 (5.7) |
| 408 | 0.161 (4.1) | 0.100 (2.54) | 0.123 (3.1) 0.118 (3.0) | 0.108 (2.7) | 0.151 (3.84) 0.148 (3.76) | 0.182 (4.6) 0.179 (4.5) | 0.156 (4.0) | 0.156 (4.0) | 0.174 (4.4) | 0.125 (3.2) 0.115(2.9) | 0.355 (9.0) |

Table I (continued)

| BIN Code | ØM Max | N Min | P | R | S | T | U Ref | ØV | ØW | X | ØZ Max |
|----------|-------------|-------------|----------------------------|----------------------------|----------------------------|------------------------------|-------------|-------------------------------|---------------------------|----------------------------|-------------|
| 210 | 0.052 (1.3) | 0.112 (2.8) | 0.103 (2.6) 0.096 (2.4) | 0.146 (3.7) 0.140 (3.6) | 0.039 (1.0) 0.033 (0.8) | 0.222 (5.64) 0.219 (5.56) | 0.364 (9.2) | 0.0205 (0.52) 0.0195 (0.5) | 0.035(0.9) 0.033 (0.8) | 0.276 (7.0) 0.266 (6.8) | 0.110 (2.8) |
| 402 | 0.052 (1.3) | 0.112 (2.8) | 0.103 (2.6) 0.096 (2.4) | 0.146 (3.7) 0.140 (3.6) | 0.039 (1.0) 0.033 (0.8) | 0.222 (5.64) 0.219 (5.56) | 0.364 (9.2) | 0.0205 (0.52) 0.0195 (0.5) | 0.035(0.9) 0.033 (0.8) | 0.276 (7.0) 0.266 (6.8) | 0.127 (3.2) |
| 403 | 0.052 (1.3) | 0.112 (2.8) | 0.103 (2.6) 0.096 (2.4) | 0.146 (3.7) 0.140 (3.6) | 0.039 (1.0) 0.033 (0.8) | 0.222 (5.64) 0.219 (5.56) | 0.364 (9.2) | 0.0205 (0.52) 0.0195 (0.5) | 0.035(0.9) 0.033 (0.8) | 0.276 (7.0) 0.266 (6.8) | 0.127 (3.2) |
| 404 | 0.052 (1.3) | 0.112 (2.8) | 0.103 (2.6) 0.096 (2.4) | 0.146 (3.7) 0.140 (3.6) | 0.039 (1.0) 0.033 (0.8) | 0.222 (5.64) 0.219 (5.56) | 0.364 (9.2) | 0.0205 (0.52) 0.0195 (0.5) | 0.035(0.9) 0.033 (0.8) | 0.276 (7.0) 0.266 (6.8) | 0.110 (2.8) |
| 405 | 0.052 (1.3) | 0.112 (2.8) | 0.103 (2.6) 0.096 (2.4) | 0.146 (3.7) 0.140 (3.6) | 0.039 (1.0) 0.033 (0.8) | 0.222 (5.64) 0.219 (5.56) | 0.364 (9.2) | 0.0205 (0.52) 0.0195 (0.5) | 0.035(0.9) 0.033 (0.8) | 0.276 (7.0) 0.266 (6.8) | 0.110 (2.8) |
| 406 | 0.052 (1.3) | 0.112 (2.8) | 0.103 (2.6) 0.096 (2.4) | 0.146 (3.7) 0.140 (3.6) | 0.039 (1.0) 0.033 (0.8) | 0.222 (5.64) 0.219 (5.56) | 0.364 (9.2) | 0.0205 (0.52) 0.0195 (0.5) | 0.035(0.9) 0.033 (0.8) | 0.276 (7.0) 0.266 (6.8) | 0.136 |
| 407 | 0.052 (1.3) | 0.112 (2.8) | 0.103 (2.6) 0.096 (2.4) | 0.146 (3.7) 0.140 (3.6) | 0.039 (1.0) 0.033 (0.8) | 0.222 (5.64) 0.219 (5.56) | 0.364 (9.2) | 0.0205 (0.52) 0.0195 (0.5) | 0.035(0.9) 0.033 (0.8) | 0.276 (7.0) 0.266 (6.8) | 0.110 (2.8) |
| 408 | 0.052 (1.3) | 0.112 (2.8) | 0.103 (2.6) 0.096 (2.4) | 0.146 (3.7) 0.140 (3.6) | 0.039 (1.0) 0.033 (0.8) | 0.222 (5.64) 0.219 (5.56) | 0.364 (9.2) | 0.0205 (0.52) 0.0195 (0.5) | 0.035(0.9) 0.033 (0.8) | 0.276 (7.0) 0.266 (6.8) | 0.127 (3.2) |

Table III

| Inner Contact | | Outer Contact | | Insertion Tool | Extraction Tool |
|---------------------|-------------|---------------------|--------------|--------------------------------|--------------------------------|
| Basic Crimping Tool | Positioner | Basic Crimping Tool | Positioner | | |
| M22520/2-01 | M22520/2-34 | M22520/31-01 | M22520/31-02 | M81969/8-09 or M81969/14-04 | M81969/8-10 or M81969/14-04 |

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