### AS39029 RF Contacts

**Size #8 AS39029 Coaxial Contacts for RG-180**

<table>
<thead>
<tr>
<th>Contacts Description</th>
<th>Frequency</th>
<th>Compatibility</th>
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**Size #12 AS39029 Coaxial Contacts**

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<th>Contacts Description</th>
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**Size #16 AS39029 Coaxial Contacts**

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### 50 Ohm Low-Loss Matched-Impedance Coaxial Contacts

**Size #8 50 Ohm Matched-Impedance Contacts**

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**Size #12 50 Ohm Matched-Impedance Contacts**

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75 Ohm Low-Loss Matched-Impedance Coaxial Contacts

Size #8 75 Ohm Matched-Impedance Contacts .......... 14
dc – 4 GHz

Size #12 75 Ohm Matched-Impedance Contacts .......... 16
dc – 3 GHz

75 Ohm High-Performance Video Cable..................... 18
Cable is specially designed and manufactured for reliable performance in aircraft systems and other harsh environments involving high temperature, EMI and corrosive materials.

50 Ohm Spring-Loaded Microwave Coaxial Contacts

Size #8 Spring-Loaded BMB Coaxial Contacts .......... 22
dc – 18 GHz
These size 8 contacts conform to the MIL-STD-348 BMB interface standard. These contacts accept RG-402-FLEX and RG-405-FLEX cables along with other low loss flexible cables. Compatible with MIL-DTL-38999 Series I, III, and IV, Series 23 SuperNine and Series 80 Mighty Mouse connectors. Solder termination.

Size 12 Spring-Loaded SMPM Coaxial Contacts .......... 24
dc – 40 GHz
These size 12 contacts accept RG-405-FLEX cable and are compatible with MIL-DTL-38999, Series 23 SuperNine, Series 79 MicroCrimp and Series 80 Mighty Mouse connectors. Solder termination.
Twinax Contacts

**Size #8 77 Ohm Concentric Twinax Contacts ............ 26**
M39029 concentric twinax contacts accommodate 77 ohm shielded twisted pair cable. These size 8 contacts meet the requirements of M39029/113 and /114. Compatible with MIL-DTL-38999, Series 23 SuperNine and Series 80 Mighty Mouse connectors. Use with M17/176-00002 databus cable, 10 MHz maximum operating frequency.

**Size #8 100 Ohm Concentric Twinax Contacts .......... 28**
These concentric twinax contacts accommodate 24 AWG 100 ohm shielded twisted pair data cable. Compatible with MIL-DTL-38999 Series I, III, and IV, Series 23 SuperNine and Series 80 Mighty Mouse connectors. Accepts TE/Raychem 0024A0024 and Gore GSC-03-81416-00 cables.

**Size #12 77 Ohm Concentric Twinax Contacts ........... 30**
M39029 concentric twinax contacts accommodate 77 ohm shielded twisted pair data cable. Typically used for MIL-STD-1553 databus applications, these size 12 contacts meet the requirements of JN1104, DSCC 02003 and DSCC 02004. Compatible with MIL-DTL-38999 Series I, III, and IV connectors. Snap-in, rear release, crimp termination.

**Size #8 Differential Twinax Contacts...................... 32**
Rated for dc – 3 GHz frequency, these contacts accept 68, 75, 77 and 100 ohm shielded twisted pair cable including with M17/176-00002 databus cable. Compatible with Series 80 Mighty Mouse connectors and Glenair 233-217 MIL-DTL-38999-type Series III connectors with keyed #8 cavities. **Not for use in standard MIL-DTL-38999 connectors with unkeyed inserts.**

**Size #12 Differential Ultra-Twinax Contacts............ 35**
These 100 Ohm differential twinax contacts are suited for multi-gigabit data rate applications such as CML, LVDS and other advanced digital communications protocols. Use with high-speed #30 AWG twisted pair cable. These contacts are compatible with Glenair Series 80 Mighty Mouse connectors with size #12 cavities. Size #12 100 ohm contacts feature DC – 10 GHz frequency range. Solder termination.
Quadrax Contacts

Quadrax Contacts ........................................ 37
100 ohm Ethernet and 150 ohm Fibre Channel differential quadrax contacts are compatible with standard Series 80 Mighty Mouse connectors and Glenair 233-217 MIL-DTL-38999-type Series III connectors with keyed #8 inserts. These contacts accept aerospace grade quad cable.

Quad Cable ........................................ 39
Aerospace-grade four-conductor 100 ohm quad cable is available in wire sizes 22, 24 and 26. These high-performance cables feature inner and outer shields for excellent EMI protection. High-temperature fluoropolymer insulation provides up to 150°C or 200°C temperature rating.

El Ochito® Octaxial Contacts

El Ochito® Octaxial Contacts ....................... 40
El Ochito, “the Little 8”, brings 1000BASE-T and 10GBASE-T capability to a size #8 snap-in contact with eight inner contacts. Data pair isolation technology reduces crosstalk between pairs. This contact accepts flight-grade Cat6a cable with #26AWG conductors.

Aerospace Cat6a Cable .................................. 46
Lightweight, shielded flight-grade Ethernet cable is available in two styles: S/UTP (unshielded pairs) and S/FTP (foil-wrapped pairs). These 26 AWG cables are 200°C rated and meet ANSI/TIA 568-C.2 Category 6a requirements.

Pre-Wired El Ochito® Contacts ...................... 47
Pre-wired El Ochito® assemblies are 100% tested and ready for use. These assemblies are available with three termination options: single-ended, El Ochito® contacts on both ends, or with an RJ45 plug on one end.

El Ochito® Test Adapters and Jumpers .......... 49
Prevent damage to expensive cables with El Ochito® test adapters and jumper cables. These test adapters properly align mating test contacts without the added expense and time-consuming labor of mating connectors. Jumper cables have shielded Cat6a RJ45 plugs.