The widest range of
mission-critical interconnect
technologies in the world
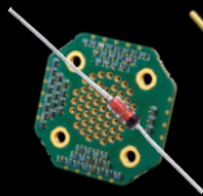
Glenair

AS39029 Electrical Connector Contacts

Summary of Contact Types

Signal and Thermocouple

EMI Filter

Coax/Twinax

Optoelectronic

Pneumatic

Gas/Fluids

Nano/Micro TwistPin

Power and LouverBand

Hermetic

#8 Quadrax

Fiber Optic

From electrons to photons to fluids

Mil Spec Contact Offerings

M39029 Crimp Contacts

- Common power, signal and shielded contacts available in stock
- All mil-spec thermocouple contacts in stock
- Hard-to-find items available
- No minimum order quantities

Glenair.

Glenair Custom and Special Purpose Contacts

PC tail
Solder cup
Thermocouple

Differential Twinax
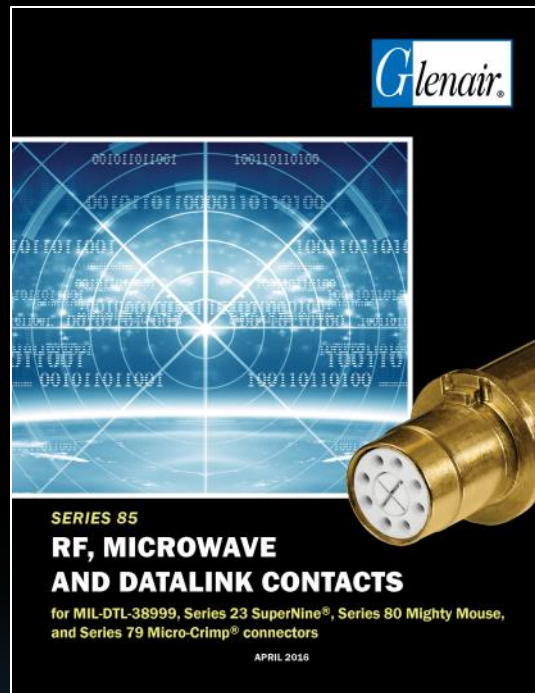Quadrax
Pneumatic

Glenair.

Pneumatic Contacts

- Pneumatic contacts for available for Mighty Mouse, Series 79, and D38999

- Variety of contact and tubing configurations available to meet high pressure requirements

- Complete in-house capability; from engineering to testing

RF, Microwave and Datalink Contacts
High Speed · High Reliability · High Availability

- Coax
- Concentric Twinax
- Differential Twinax
- El Ochito™ Octaxial

SERIES 85

RF, MICROWAVE AND DATALINK CONTACTS

for MIL-DTL-38999, Series 23 SuperNine®, Series 80 Mighty Mouse, and Series 79 Micro-Crimp® connectors

APRIL 2016

RF, Microwave and Datalink Contacts

Catalog documentation

Intro, Features

Part Number Table

Specifications,
Construction,
Compatibility

Cutaway View,
Dimensions

Crimp Tools,
Assembly Instruction
Sheets

Cable Specifications

Boot Information

RF, Microwave and Datalink Contacts

Coax contacts

AS39029

75 Ohm Matched Impedance

50 Ohm Matched Impedance

Spring-Loaded Microwave Coax

Glenair.

RF, Microwave and Datalink Contacts

AS39029 Coax sizes

Size 16

Size 12

Size 8

RF, Microwave and Datalink Contacts

50 Ohm Matched Impedance Coax

Series III Size 12
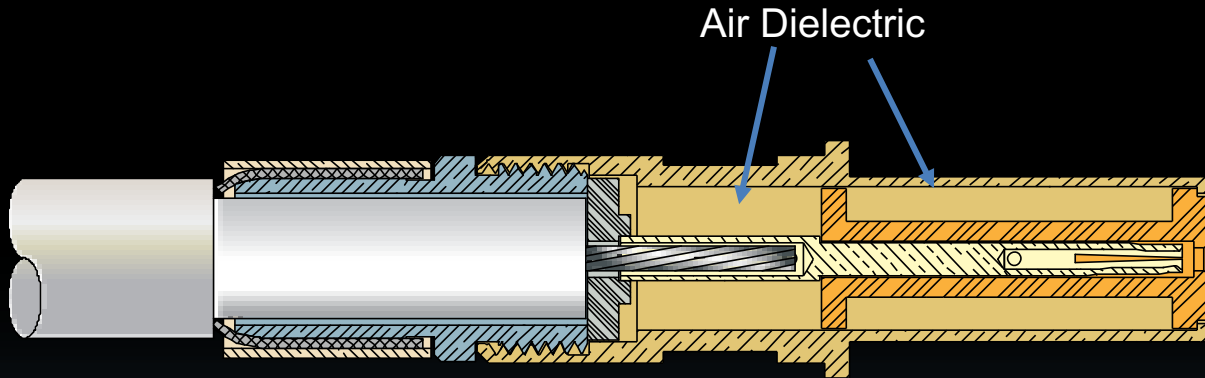
RG316, RG316DS Size 8

RF, Microwave and Datalink Contacts

75 Ohm Matched Impedance Coax

- Size 12
- SMPTE 424M
- LMR-240-75

Air Dielectric

75 Ohm Socket Contact

RF, Microwave and Datalink Contacts

Spring-Loaded Microwave Coax

BMA Size 8 18 GHz

BMB Size 8 18 GHz

SMPM Size 12 40 GHz

Glenair.
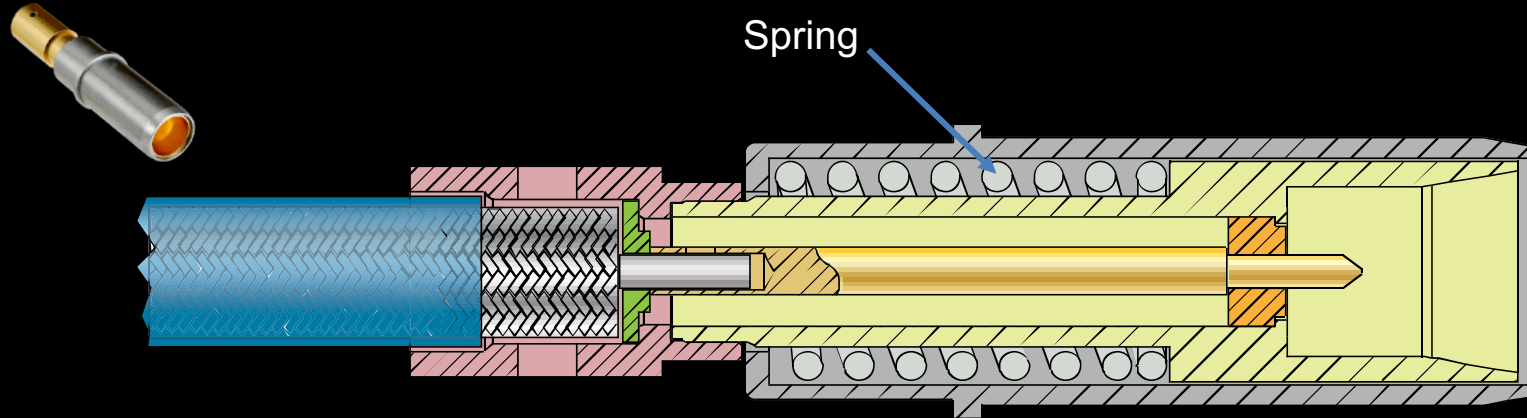
RF, Microwave and Datalink Contacts

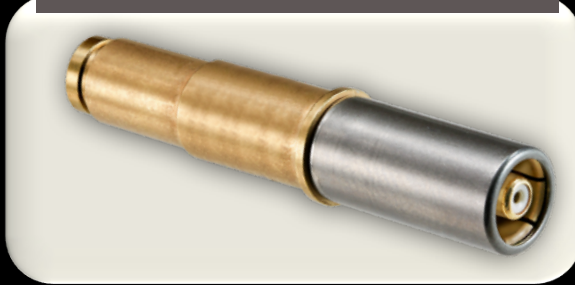## Spring-Loaded Microwave Coax

Spring

BMB Pin Contact

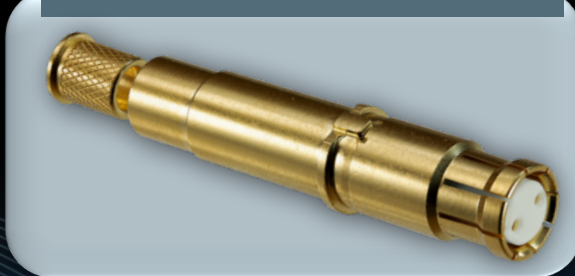# RF, Microwave and Datalink Contacts

Datalink Contacts

Concentric Twinax
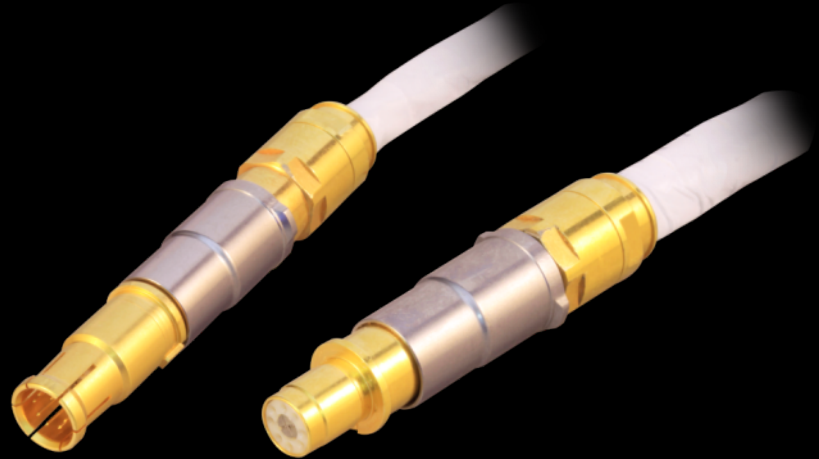
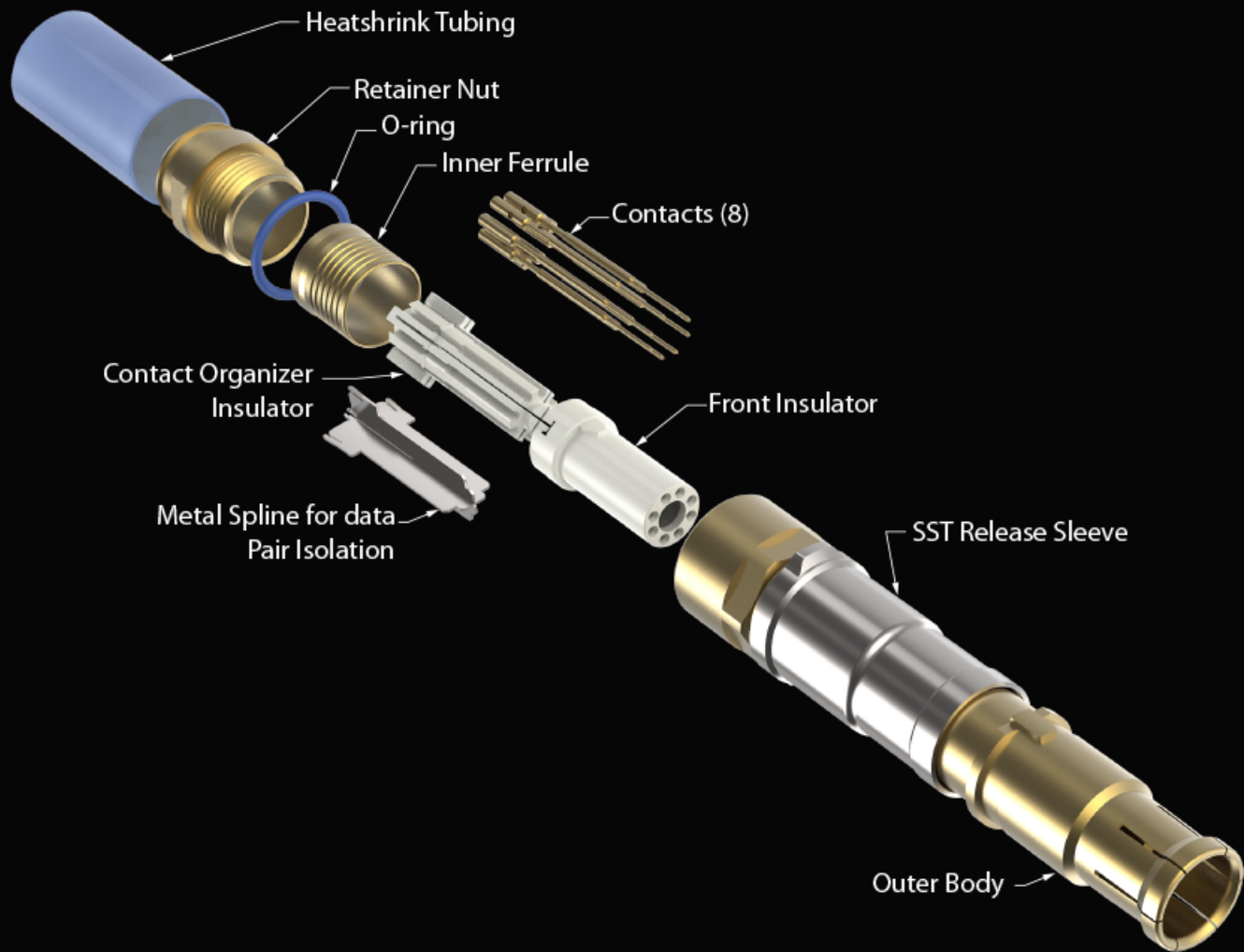Quadrax

Differential Twinax

El Ochito

Glenair®

El Ochito™ Octaxial Ethernet Contacts

For #24 AWG cable

- Crimp contact

- Field-repairable

- Supports standard aerospace Ethernet cable

- Same performance and specifications
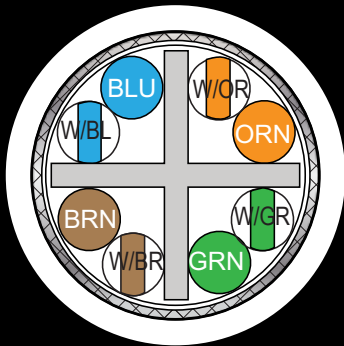

Glenair.

El Ochito 24 AWG Exploded view

Heatshrink Tubing

Retainer Nut

O-ring

Inner Ferrule

Contacts (8)

Contact Organizer Insulator

Front Insulator

Metal Spline for data Pair Isolation

SST Release Sleeve

Outer Body

Glenair.

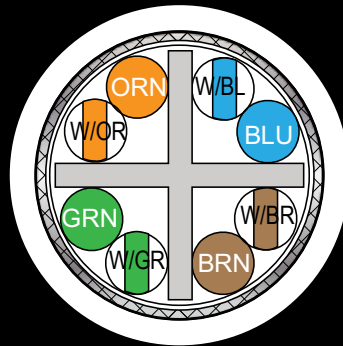# RF, Microwave and Datalink Contacts

El Ochito Wiring Guidelines

- ARINC 664

End A

End B

RF, Microwave and Datalink Contacts

El Ochito Test Adapters
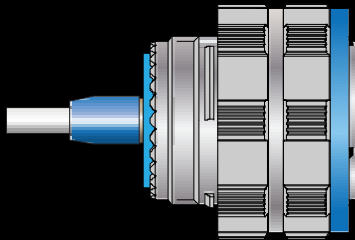
DEVICE UNDER TEST   **TEST ADAPTER**   **ADAPTER CABLES**
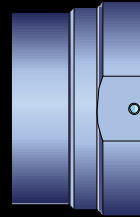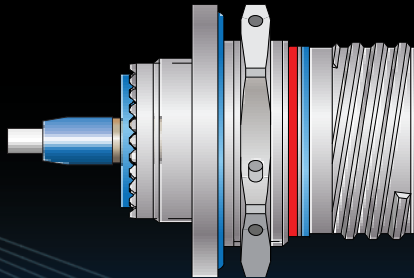
RF, Microwave and Datalink Contacts

Concentric Twinax

100 Ohm Concentric Twinax

Size 12 Concentric Twinax

Glenair®

RF, Microwave and Datalink Contacts

Differential Twinax

- Size 8 Differential Twinax
  - 24 AWG
  - 26 AWG
- Size 12 Differential Twinax
  - For Mighty Mouse Ultra-Twinax connectors

Size 12

Size 8

![Glenair logo]

RF, Microwave and Datalink Contacts

Quadrax

- 150 Ohm Fibre Channel

Glenair.

Size #8 Cavity Opto-Electronic Contacts / Adapters

For high-speed signal/video applications such as Gigabit Ethernet, DVI, SMPTE 3G, HD-SDI etc.
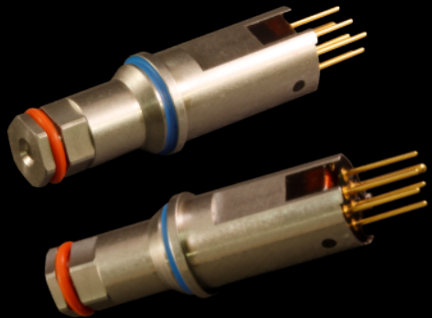
050-301

1.25mm ARINC 801
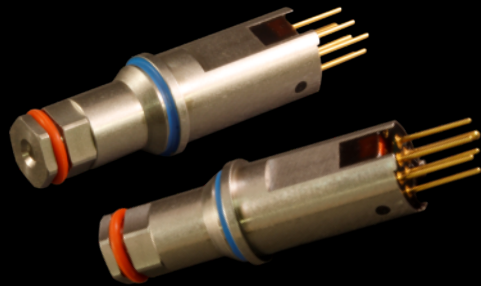
050-307

2.5mm ELIO®

050-367

1.25mm LuxCis®

RF, Microwave and Datalink Contacts

Board-mount connector solutions
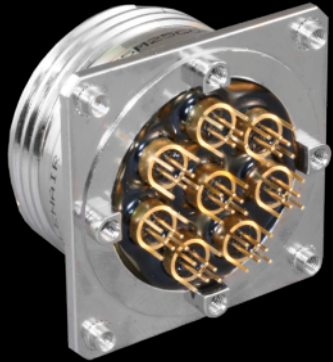
SuperNine
Quadrax
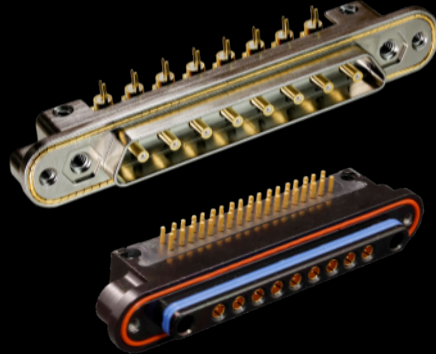
Series 79
Micro-Crimp
Coax

Series 79
Micro-Crimp
Differential Twinax
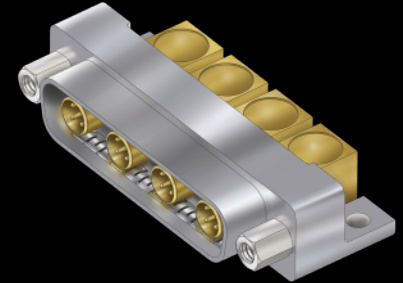
HiPer-D
Quadrax

Contact Termination Tools

Miniature adjustable crimp tools and positioners

- Perform gas-tight, eight-indent crimps

- Standard M22520/2-01 crimpers for use with standard #23, #22D, #20HD contacts, and M39029/76 and /78 coaxial contacts

- Bayonet-type positioners hold contacts at correct height for crimping

Glenair.

Contact Termination Tools

Adjustable crimp tools and positioners

- Crimp tool and positioner for #20, #16, and #12 power pins

- Positioners for Mighty Mouse and Micro-Crimp wire adapters, and for #20, #16, and #12 power contacts

Glenair®

Contact Termination Tools

Coaxial contact crimp tools and positioners

- Crimp tool and positioner for #16 and #12 coaxial outer contacts

- Mil-spec approved tools with ratchet mechanism to prevent damage from overcrimping

Glenair.

Contact Termination Tools

Parallel action crimp tool

- Parallel action crimp tool and hex die set for 50 Ohm matched -impedance #12 coax contacts

Glenair.

Contact Termination Tools

Insertion and extraction tools

- For #23, #20HD, #16, #12, #20 contacts

The widest range of
mission-critical interconnect
technologies in the world

AS39029 Electrical Connector Contacts