



Innovative differential twinax contact technology in a proven-performance mil-spec rectangular

High-speed serial data protocols (USB 3.2, 40 Gb Ethernet, SATA, PCIe, DisplayPort, and HDMI) all have multigigabit transmission rates for each data pair. In order to provide truly high-speed signal integrity for these bandwidth-dependent protocols, Glenair has invented a new contact technology called VersaLink™ which delivers outstanding impedance matching and cross-talk isolation at both the cable-to-connector interface, as well as between connector and board. VersaLink is a highly-engineered differential twinax contact module that may be packaged in a wide range of both circular and rectangular connector formats such as the MIL-DTL-83513 Micro-D. This high-density, factory-terminated solution provides mating reliability, ruggedness, signal integrity, and deployment simplicity.

- VersaLink Micro-D: shielded differential twinax M83513 solution
- High-speed / high-density
- Outstanding crosstalk performance
- Hybrid VersaLink contact module arrangements with standard Micro-D inserts for signal / power

Supported Networking Protocols

10, 25, 40, 50, and 100 Gb Ethernet

Supported Peripheral and Display Protocols

DVI	USB 3.1 Type C
HDMI 2.1	USB 3.2
DisplayPort 2.0	USB4
SATA 3	PCIe 4
USB 3.0	QSFP28

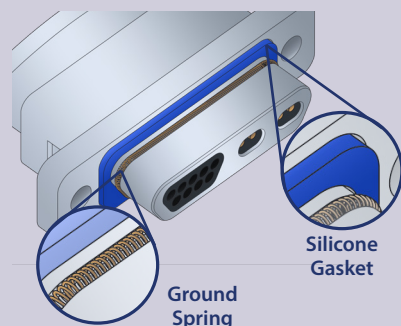
MATERIALS AND FINISHES

Connector Shell: Aluminum Alloy 6061
 Insulator (V): Rigid Dielectric.
 Insulator (M): Liquid Crystal Polymer (LCP) or Polyphenylene Sulfide (PPS)
 Flange Seal: Fluorosilicone Rubber, Blue
 Pin Contact: Copper Alloy, Gold over Nickel Plating
 Socket Contact: Copper Alloy, Gold over Nickel Plating
 Ground Spring: Stainless Steel, Gold Plating
 Ground Pin: Copper Alloy, Gold Over Nickel Plating
 Hardware: 300 Series Stainless Steel, Passivated
 Encapsulant: Epoxy Resin Hysol EE4215

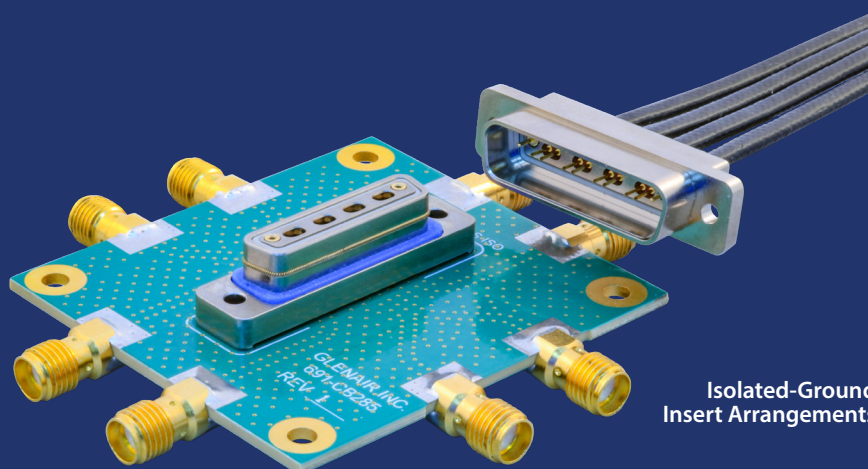
PERFORMANCE SPECIFICATIONS

Current rating: 3 amp (Micro-D contacts)
 DWV: 600 VAC Sea Level
 Insulation Resistance: 5000 Megohms Minimum
 Contact Resistance (Contact M): 8 Milliohms Maximum
 Low Level Contact Resistance: 32 Milliohms Maximum
 Operating Temperature: -55°C To 150°C
 Mating Force (Contact M): (10 Ounces) X (# Of Contacts)
 Mating Force (Contact V): (5 Ounces) X (# Of Contacts)

EMI SHIELDING AND ENVIRONMENTAL SEALING



Plug connectors feature a gold-plated stainless steel ground spring for EMI protection, and a silicone gasket for environmental sealing.



Isolated-Ground Insert Arrangements