

"ZERO-CROSSTALK" M83513 Micro-D VersaLink™ Connectors



GHS4-MS, Pre-Wired, Double or Single Ended Ground-Isolated Connector

MICRO-D VERSALINK CONNECTORS

MATERIALS AND FINISHES

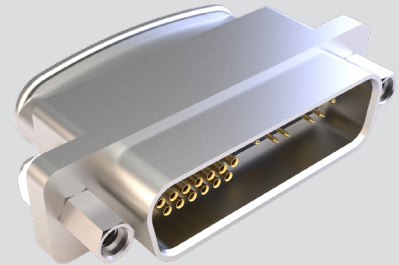
- Connector shell: aluminum alloy 6061
- Insulator (v): rigid dielectric
- Insulator (m): liquid crystal polymer (LCP) or polyphenylene sulfide (PPS)
- Flange seal: fluorosilicone rubber, blue
- Pin contact: copper alloy, gold over nickel plating
- Socket contact: copper alloy, gold over nickel plating
- Ground spring: stainless steel, gold plating
- Hardware: 300 series stainless steel, passivated
- Encapsulant: epoxy resin Hysol EE4215 and Duralco 120

PERFORMANCE SPECIFICATIONS

- Current rating: 3 amp (Micro-D contacts)
- DWV: 600 VAC sea level
- Insulation resistance: 5000 megohms minimum
- 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)
- Electrical performance IAW Glenair specification GT-19-230

NOTES

1. Refer to GHS4-MS-1000 for insert arrangement details on page 94.
2. Refer to GHS4-MS-1001 for wire layouts on page 99.
3. Plug connector uses pin Micro-D contacts and socket VersaLink contacts. Receptacle uses socket Micro-D contacts and pin VersaLink contacts. GP and GS cable ends rotated 180° relative to each other due to connector symmetry.
4. Omit wire information when contact layout "M" = 0 (e.g. 2-0, 4-0, or 8-0).
5. Hardware always required to ensure connector pair is fully mated when installed.
6. Glenair VersaLink Micro-D connectors are only available as factory terminated.
7. GHS4-MS connectors only mate with GVLMS-BS and other ground isolated VersaLink Micro-D connectors.



PART NUMBER DEVELOPMENT

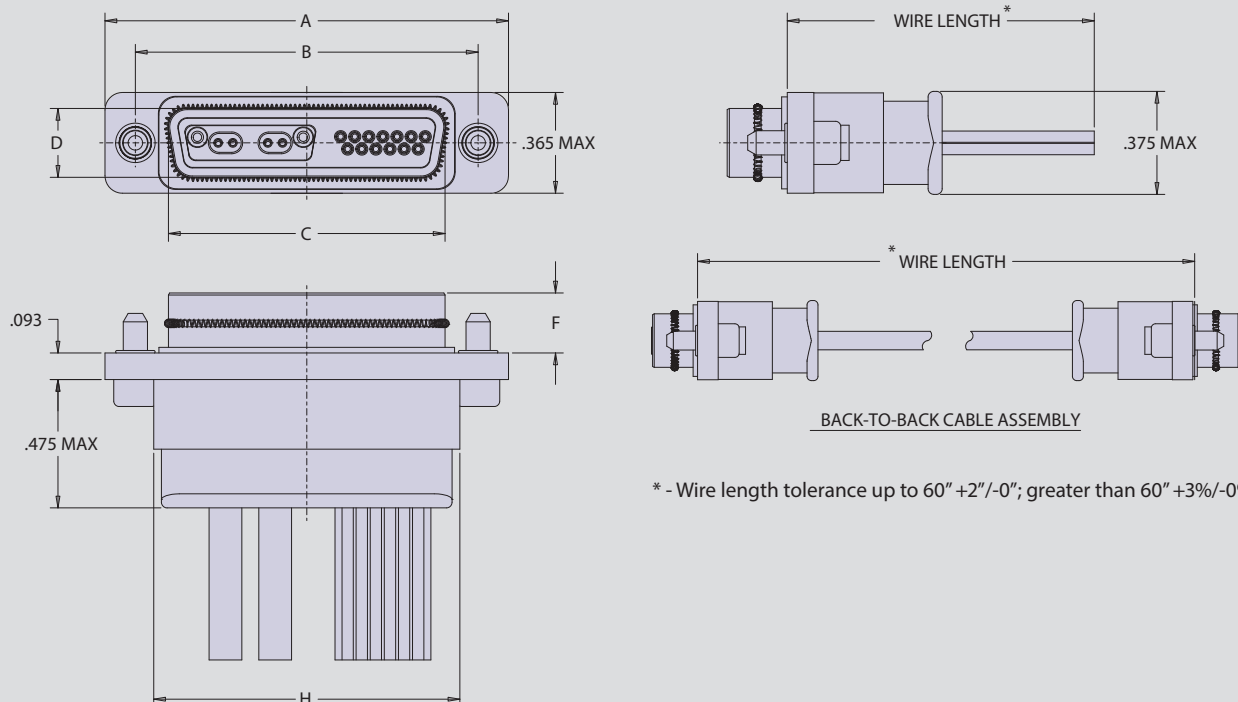
Sample Part Number	GHS4-MS	2	L-	2-13	P	B	6	J	1	-18	P	N
Series	GHS4-MS = Ground Isolated Micro-D											
Shell Finish	2 = Nickel 5 = Gold											
Insulator Material	L = LCP or PPS											
Contact Layout (V-M) ¹	2-0, 2-13, 4-0, 4-25, 8-0											
Connector Type ³	P = Plug (Single End) S = Receptacle (Single End) GP = Double End Cable, Pin Connectors Both Ends GS = Double End Cable, Socket Connector Both Ends CS = Double End Cable, Pin and Socket											
VersaLink Cable Type	B = Glenair cable 963-068-26 (100 Ohm) C = Glenair cable 963-069-26 (100 Ohm)											
Discrete Wire Gage (AWG) ⁴	4 = #24 6 = #26 8 = #28 0 = #30 (J Wire Type Only)											
Discrete Wire Type ⁴	K = M22759/11 600 VRMS Teflon (TFE) J = M22759/33 600 VRMS Modified Cross-Linked Tefzel (ETFE) E = NEMA HP3-EB 600 VRMS Type E M16878/4 (TFE)											
Discrete Wire Color ⁴	1 = White 5 = Color-coded Stripes Per MIL-STD-681 7 = Ten Color Repeating											
Wire Length Inches	Wire Length in inches. "18" specifies 18 inches. 6 inch minimum											
Hardware ⁵	P = Jackpost M = Hex Head Jackscrew S = Hex Head Jackscrew L = Hex Head Jackscrew (Non-removable) See mounting hardware table											
Shield and Jacket Option	N = No Shield, No Jacket (Customer To Install) A = Braided Shield Installed (Nickel Over Copper) C = Braided Shield Installed (Nickel Over Copper) with E-CTFE Halar "Expando" Jacket S = 100% Braided Amberstrand Shield Installed T = 100% Braided Amberstrand Shield Installed with E-CTFE Halar "Expando" Jacket V = 75% Braided Amberstrand Shield Installed Z = 75% Braided Amberstrand Shield Installed with E-CTFE Halar "Expando" Jacket W = Armorlite Braided Microfilament Stainless Steel Shield Installed X = Armorlite Braided Microfilament Stainless Steel Shield Installed with E-CTFE Halar "Expando" Jacket											

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INSERT ARRANGEMENTS



MICRO-D VERSALINK CONNECTORS

CABLE ASSEMBLY DIMENSIONS

LAYOUT	A MAX	B±.003	C MAX	D MAX	F±.003	H MAX
2-0P	1.038 (26.37)	0.817 (20.75)	0.585 (14.86)	0.250 (6.35)	0.213 (5.41)	0.693 (17.60)
2-0S	1.038 (26.37)	0.817 (20.75)	0.653 (16.59)	0.315 (8.00)	0.225 (5.72)	0.693 (17.60)
2-13P	1.436 (36.47)	1.215 (30.86)	0.983 (24.97)	0.250 (6.35)	0.213 (5.41)	1.091 (27.71)
2-13S	1.436 (36.47)	1.215 (30.86)	1.051 (26.70)	0.315 (8.00)	0.225 (5.72)	1.091 (27.71)
4-0P	1.436 (36.47)	1.215 (30.86)	0.983 (24.97)	0.250 (6.35)	0.213 (5.41)	1.091 (27.71)
4-0S	1.436 (36.47)	1.215 (30.86)	1.051 (26.70)	0.315 (8.00)	0.225 (5.72)	1.091 (27.71)
4-25P	2.300 (58.42)	2.094 (53.19)	1.797 (45.64)	0.250 (6.35)	0.213 (5.41)	1.955 (49.66)
4-25S	2.300 (58.42)	2.094 (53.19)	1.865 (47.37)	0.315 (8.00)	0.225 (5.72)	1.955 (49.66)
8-0P	2.300 (58.42)	2.094 (53.19)	1.797 (45.64)	0.250 (6.35)	0.213 (5.41)	1.955 (49.66)
8-0S	2.300 (58.42)	2.094 (53.19)	1.865 (47.37)	0.315 (8.00)	0.225 (5.72)	1.955 (49.66)

INSERT ARRANGEMENTS

Insert Arrangements	No. of Contacts	
	VersaLink (V)	TwistPin (M)
2-0	2	0
2-13	2	13
4-0	4	0
4-25	4	25
8-0	8	0

MOUNTING HARDWARE

