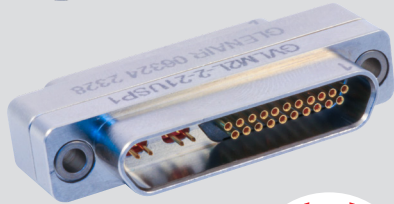


"ZERO-CROSSTALK" M83513 Micro-D VersaLink™ Connectors



GVLM-USP1 Sav-Con for Common Ground Design Layouts

MICRO-D VERSALINK CONNECTORS



MATERIALS AND FINISHES

- Connector shell: aluminum alloy 6061, nickel plating
- 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

PERFORMANCE SPECIFICATIONS

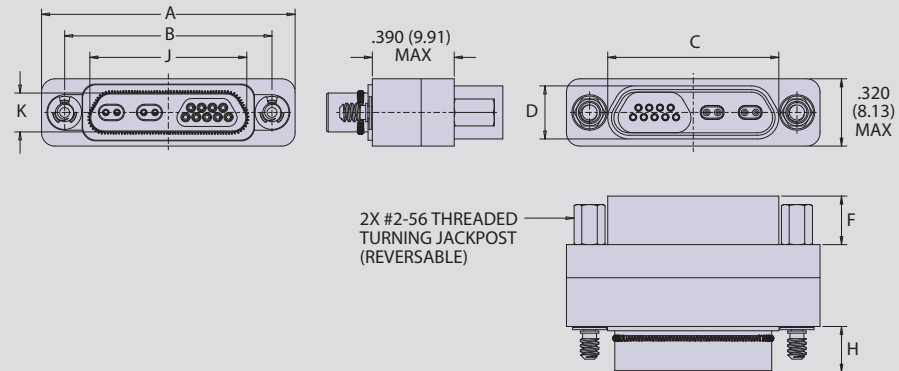
- Current rating: 3 amp
- DWV: 600 VAC sea level
- Insulation resistance: 5000 megohms minimum
- Operating temperature: -55°C to 150°C
- Mating force (contact V): (5 ounces) x (# of contacts)
- Mating force (contact M): (10 ounces) x (# of contacts)
- Electrical performance IAW Glenair specification GT-19-230
- Interface dimensions IAW MIL-DTL-83513

NOTES

1. Refer to GHS4-M-1000 for insert arrangement details on page 90.

PART NUMBER DEVELOPMENT

Sample Part Number	GVLM2L	-2-0	USP1
Series	GVLM2L = VersaLink MicroD, Nickel Plating, LCP Insulator		
Contact Layout (V-M)¹	1-0, 1-9, 2-0, 2-9, 2-15, 2-21, 3-9, 4-0, 4-15, 4-31, 8-9, 10-0		
Connector Style²	USP1 = SavCon®		



UNISAVER DIMENSIONS

LAYOUT	A MAX	B±.003	C MAX	D MAX	F±.003	H ±.003	J MAX	K MAX
1-0	0.785 (19.94)	0.565 (14.35)	.400 (10.16)	.250 (6.35)	.225 (5.72)	.213 (5.41)	.333 (8.46)	.184 (4.67)
1-9	1.085 (27.56)	0.865 (21.97)	.701 (17.81)	.250 (6.35)	.225 (5.72)	.213 (5.41)	.633 (16.08)	.184 (4.67)
2-0	0.935 (23.75)	0.715 (18.16)	.551 (14.00)	.250 (6.35)	.225 (5.72)	.213 (5.41)	.183 (4.65)	.184 (4.67)
2-9	1.185 (30.10)	0.965 (24.51)	.801 (20.35)	.250 (6.35)	.225 (5.72)	.213 (5.41)	.733 (18.62)	.184 (4.67)
2-15	1.335 (33.91)	1.115 (28.32)	.951 (24.16)	.250 (6.35)	.225 (5.72)	.213 (5.41)	.883 (22.43)	.184 (4.67)
2-21	1.485 (37.72)	1.265 (32.13)	1.101 (27.97)	.250 (6.35)	.225 (5.72)	.213 (5.41)	1.033 (26.24)	.184 (4.67)
3-9	1.485 (37.72)	1.265 (32.13)	1.101 (27.97)	.250 (6.35)	.225 (5.72)	.213 (5.41)	1.033 (26.24)	.184 (4.67)
4-0	1.185 (30.10)	0.965 (24.51)	.801 (20.35)	.250 (6.35)	.225 (5.72)	.213 (5.41)	.733 (18.62)	.184 (4.67)
4-15	1.835 (46.61)	1.615 (41.02)	1.450 (36.83)	.250 (6.35)	.225 (5.72)	.213 (5.41)	1.384 (35.15)	.184 (4.67)
4-31	2.235 (56.77)	2.015 (51.18)	1.850 (46.99)	.250 (6.35)	.225 (5.72)	.213 (5.41)	1.784 (45.31)	.184 (4.67)
8-9	2.235 (56.77)	2.015 (51.18)	1.850 (46.99)	.250 (6.35)	.225 (5.72)	.213 (5.41)	1.784 (45.31)	.184 (4.67)
10-0	2.235 (56.77)	2.015 (51.18)	1.850 (46.99)	.250 (6.35)	.225 (5.72)	.213 (5.41)	1.784 (45.31)	.184 (4.67)

INSERT ARRANGEMENTS

Insert Arrangements	No. of Contacts		Insert Arrangements	No. of Contacts	
	VersaLink (V)	TwistPin (M)		VersaLink (V)	TwistPin (M)
1-0	1	0	2-21	2	21
2-0	2	0	3-9	3	9
1-9	1	9	4-15	4	15
2-9	2	9	4-31	4	31
4-0	4	0	8-9	8	9
2-15	2	15	10-0	10	0