

"ZERO-CROSSTALK" Series 806 Mil-Aero VersaLink™ Connectors



806-044 VersaLink Plug

SERIES 806 VERSALINK CONNECTORS



PART NUMBER DEVELOPMENT						
Sample Part Number	806-044	-ME	16-10V4	B	M	A
Series / Basic No.	806-044 = Plug					
Material / Finish	ME = Aluminum alloy, electroless nickel (96 hour salt spray) MT = Aluminum alloy, nickel-PTFE NF = Aluminum alloy, cad/O.D. Over electroless nickel ZR = Aluminum alloy, zinc nickel, black (trivalent chromium) Z1 = Aluminum alloy, stainless steel passivated ZL = Aluminum alloy, electro-deposited nickel					
Insert Layout	See Insert Arrangement Table (See page 13–14 for layouts)					
Contact Gender	A = Pin, less contact B = Socket, less contact					
Shell Style	M = Metric thread B = Banding platform					
Polarization	A, B, C, D, E, F ; see Polarization Table					

MATERIAL / FINISH

- Shell: see part number development
- Pin contact: copper alloy / 50μ gold over nickel
- Socket contact: copper alloy with stainless steel hood (22HD and 20HD) / 50μ gold over nickel, contact hood passivate
- Insulators: high-grade rigid dielectric
- Seals: fluorosilicone/silicone blend
- EMI spring: beryllium copper / nickel
- Contact retention clip: copper alloy / nickel
- Anti-decoupling ratchet spring: stainless steel / passivate

PERFORMANCE SPECIFICATIONS

- Current rating for 20HD and 22HD
20 AWG: 7.5 amps
22 AWG: 5 amps
- DWV
20HD: 1800 VAC at sea level
22HD: 1300 VAC at sea level
VersaLink: 500 VAC at sea level
- Insulation resistance:
5000 MΩ min. at ambient temperature
1000 MΩ min. at elevated temperature
- Operating temperature: -65° to +200° C

NOTES

1. Glenair strongly recommends the use of strain relief 620VS090 or equivalent when using a metric accessory thread shell. Glenair strongly recommends overmolding when using a banding porch shell.
2. Consult factory for use with other cables.
3. Groove for use with overmold strain relief or 809-060 heat shrink boots.
4. Terminate shield with Glenair BandMaster ATS tool 601-108 & Glenair Nanoband.
5. VersaLink contacts are purchased separately. See following drawings for more information:
VersaLink: 853-045 & 853-046
22HD: 850-094 & 850-095
20HD: 809-204 & 809-205
See 8574-0001 for pre-terminated VersaLink contacts. Contact factory for complete cable assemblies.
6. Plug connectors mate with 806-045 thru 806-049 of the same arrangement, polarization, and opposite gender.
7. Blue color band indicates rear release retention.

INSERT ARRANGEMENT

SHELL SIZE-LAYOUT	NUMBER OF CONTACTS		
	VersaLink	22HD	20HD
8-1V ¹	1		
9-2V ²	2		
10-2V ²	2		2
11-4V ³	4		
11-2V ⁹ ⁴	2	9	
12-4V ⁴	4	4	
14-6V ⁷	6	7	
14-4V ¹⁵ ⁵	4	15	
16-10V ⁴	10	4	
16-8V ¹⁰	8	10	
18-14V ⁴	14	4	
18-8V ³¹	8	31	
20-18V ⁸	18	8	
22-25V ⁴	25	4	
22-16V ¹⁹	16	19	
24-32V	32		
24-16V ⁶⁶	16	66	

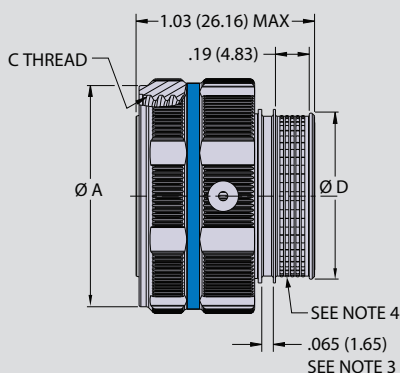
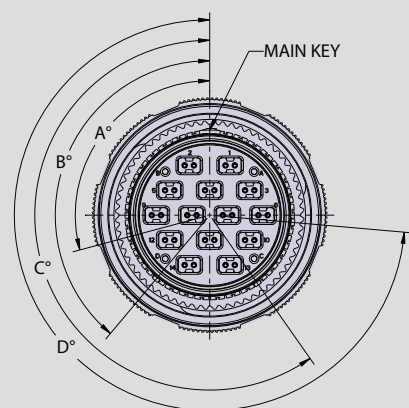
Support for:

1. 10G SPE
2. SATA 3
3. 40G Ethernet
4. USB 3.1 Gen 2
5. USB 3.2, USB 4, HDMI, DP, DVI Single Link

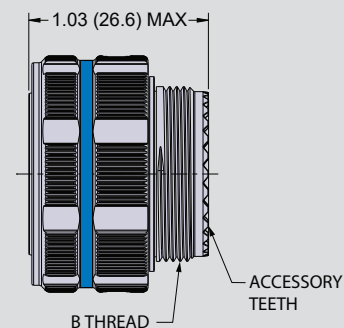
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BAND PLATFORM



ACCESSORY THREAD

POLARIZATION				
POS	A	B	C	D
A	105	140	215	265
B	102	170	248	305
C	80	150	230	295
D	68	140	205	275
E	64	155	234	304
F	72	120	200	298

CONNECTOR DIMENSIONS				
SHELL SIZE	A MAX	B THREAD	C MATING THREAD	D
8	0.676 (17.17)	M10 X 1-6g.100R	.5000-.067P-.2L-TS-2B	0.327 (8.31)
9	0.771 (19.58)	M12 X 1-6g.100R	.5625-.067P-.2L-TS-2B	0.406 (10.31)
10	0.832 (21.13)	M14 X 1-6g.100R	.6250-.067P-.2L-TS-2B	0.484 (12.29)
11	0.890 (22.61)	M15 X 1-6g.100R	.6875-.067P-.2L-TS-2B	0.524 (13.31)
12	0.950 (24.13)	M17 X 1-6g.100R	.7500-.067P-.2L-TS-2B	0.603 (15.32)
14	1.110 (28.19)	M19 X 1-6g.100R	.8750-.067P-.2L-TS-2B	0.681 (17.30)
16	1.170 (29.72)	M22 X 1-6g.100R	1.000-.067P-.2L-TS-2B	0.782 (19.86)
18	1.350 (34.29)	M25 X 1-6g.100R	1.1250-.067P-.2L-TS-2B	0.899 (22.83)
20	1.470 (37.34)	M28 X 1-6g.100R	1.250-.067P-.2L-TS-2B	1.043 (26.49)
22	1.600 (40.64)	M31 X 1-6g.100R	1.3750-.067P-.2L-TS-2B	1.155 (29.34)
24	1.710 (43.43)	M34 X 1-6g.100R	1.500-.067P-.2L-TS-2B	1.273 (32.33)

VERSALINK CONTACTS SOLD SEPARATELY	
Pin	853-045
Socket	853-046
Pin Pigtail	8574-0001-AN
Socket Pigtail	8574-0001-BN
Pin-Pin Cable	8574-0001-AA
Pin-Socket Cable	8574-0001-AB
Socket-Socket Cable	8574-0001-BB

SIGNAL AND POWER CONTACTS SOLD SEPARATELY		
#22HD Pin	Wire size #22-#28	850-094-1
#22HD Pin	Wire size #26-#30	850-094-2
#22HD Socket	Wire size #22-#28	850-095-1
#22HD Socket	Wire size #26-#30	850-095-2
#20HD Pin	Wire size #20-#24	809-204
#20HD Socket	Wire size #20-#24	809-205

COMPATIBLE SPEEDLINE CABLE	
Twisted Pair	963-068-26
Flat Pair	963-069-26

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