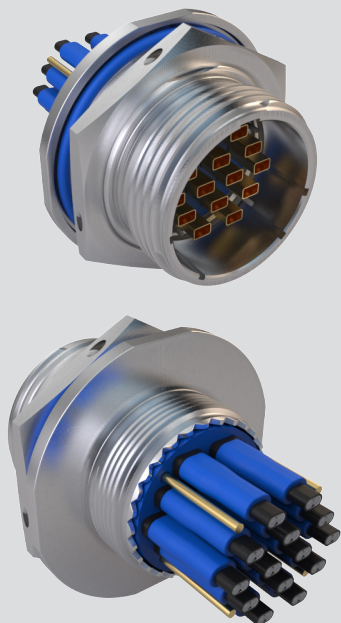


"ZERO-CROSSTALK" Series 806 Mil-Aero VersaLink™ Connectors



806-046 VersaLink Jam-Nut Receptacle

SERIES 806 VERSALINK CONNECTORS



PART NUMBER DEVELOPMENT						
Sample Part Number	806-046	-ME	18-14V4	A	M	A
Series / Basic No.	806-046 = Jam-nut receptacle					
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 AND 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
- Contact retention clip: copper alloy / nickel

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. Receptacle mates with 806-044 of the same arrangement, polarization, and opposite gender.
7. Blue color band indicates rear release retention.
8. Red color band full mate indicator.

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	

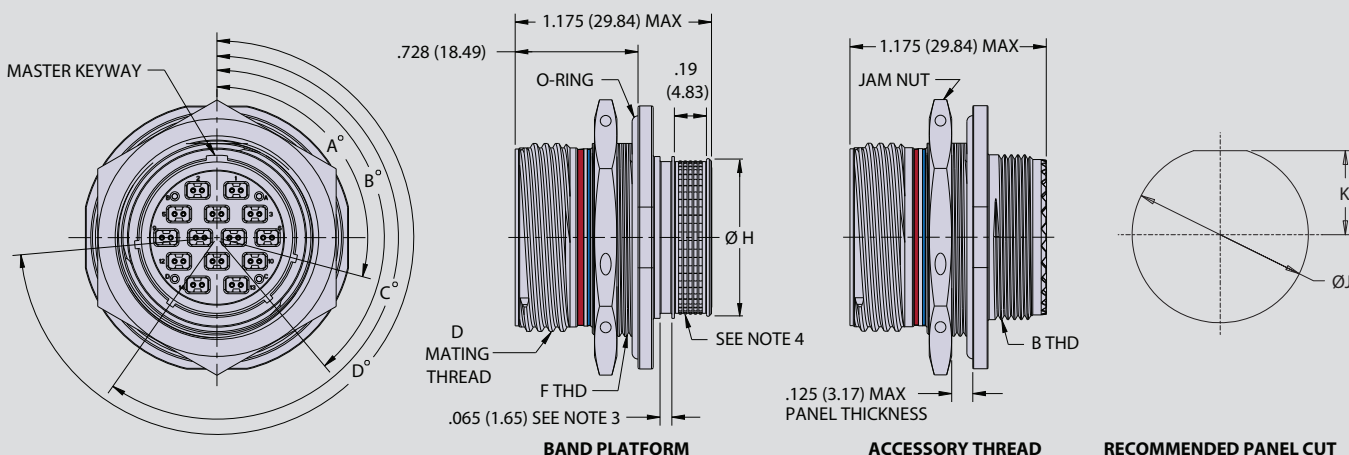
Support for:

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

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



806-046 VersaLink Jam-Nut Receptacle



CONNECTOR DIMENSIONS

SHELL SIZE	A MAX	B THREAD	C MAX	D MATING THREAD	E MAX	F THREAD	H
8	0.980 (24.89)	M10 X 1-6g.100R	0.920 (23.37)	.5000-.067P-.2L-TS-2B	0.100	M15 X 1-6g.100R	0.327 (8.31)
9	1.040 (26.42)	M12 X 1-6g.100R	0.980 (24.89)	.5625-.067P-.2L-TS-2B	0.100	M16 X 1-6g.100R	0.406 (10.31)
10	1.110 (28.19)	M14 X 1-6g.100R	1.050 (26.67)	.6250-.067P-.2L-TS-2B	0.100	M18 X 1-6g.100R	0.484 (12.29)
11	1.160 (29.46)	M15 X 1-6g.100R	1.110 (28.19)	.6875-.067P-.2L-TS-2B	0.100	M19 X 1-6g.100R	0.524 (13.31)
12	1.230 (31.24)	M17 X 1-6g.100R	1.170 (29.72)	.7500-.067P-.2L-TS-2B	0.100	M21 X 1-6g.100R	0.603 (15.32)
14	1.360 (34.54)	M19 X 1-6g.100R	1.320 (33.53)	.8750-.067P-.2L-TS-2B	0.100	M24 X 1-6g.100R	0.681 (17.30)
16	1.515 (38.48)	M22 X 1-6g.100R	1.444 (36.68)	1.0000-.067P-.2L-TS-2B	0.100	M27 X 1-6g.100R	0.782 (19.86)
18	1.610 (40.89)	M25 X 1-6g.100R	1.570 (39.88)	1.1250-.067P-.2L-TS-2B	0.100	M30 X 1-6g.100R	0.899 (22.83)
20	1.850 (46.99)	M28 X 1-6g.100R	1.760 (44.70)	1.2500-.067P-.2L-TS-2B	0.128	M34 X 1-6g.100R	1.043 (26.49)
22	2.010 (51.05)	M31 X 1-6g.100R	1.913 (48.59)	1.3750-.067P-.2L-TS-2B	0.128	M37 X 1-6g.100R	1.155 (29.34)
24	2.195 (55.75)	M34 X 1-6g.100R	2.070 (52.58)	1.5000-.067P-.2L-TS-2B	0.128	M41 X 1-6g.100R	1.273 (32.33)

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

PANEL CUTOUT DIMENSIONS

SHELL SIZE	J	K
8	0.601 (15.27)	0.256 (6.50)
9	0.640 (16.26)	0.287 (7.29)
10	0.719 (18.26)	0.318 (8.08)
11	0.759 (19.28)	0.350 (8.89)
12	0.837 (21.26)	0.381 (9.68)
14	0.955 (24.26)	0.443 (11.25)

PANEL CUTOUT DIMENSIONS

SHELL SIZE	J	K
16	1.073 (27.25)	0.505 (12.83)
18	1.192 (30.28)	0.568 (14.43)
20	1.349 (34.26)	0.630 (16.00)
22	1.467 (37.26)	0.693 (17.60)
24	1.624 (41.25)	0.775 (19.69)

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