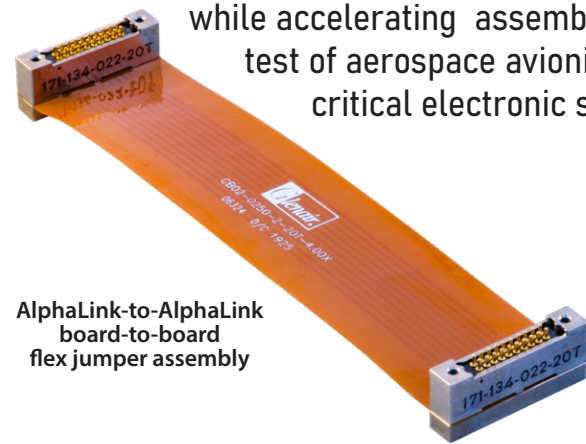




AlphaLink® SL flex jumpers: Compact point-to-point assemblies that combine lightweight flex circuitry with Glenair signature I/O and board-level connectors. These turnkey jumper assemblies reduce system size and weight while accelerating assembly qualification and test of aerospace avionics and other mission-critical electronic systems.

- Chemically etched, copper-clad polyimide flex circuit jumpers offer excellent temperature tolerance, dimensional stability, and reduced size and weight
- All designs utilize AlphaLink® SL board connectors with solder-free spring-loaded contacts
- Glenair small form-factor Mighty Mouse, Micro-Crimp, HiPer-D, and SuperFly I/O connectors
- Designed for optimal electrical performance, including matched-impedance applications

A high-availability, fast-turnaround catalog solution, Glenair AlphaLink flex jumpers offer superior electrical and mechanical performance compared to conventional wire harnessing



AlphaLink-to-AlphaLink board-to-board flex jumper assembly

POINT-TO-POINT JUMPER SELECTION GUIDE

AlphaLink® SL Solder-Free I/O-to-Board



Series 89 Circular Nanominiature-to-AlphaLink SL flex jumper with breakaway or threaded I/O coupling in 6 contact arrangements

Series 88 SuperFly-to-AlphaLink SL flex jumper with quick-disconnect or threaded I/O coupling in 7 contact arrangements

Series 801 Mighty Mouse-to-AlphaLink SL flex jumper with double-start ACME thread I/O coupling in 8 contact arrangements

Series 804 Mighty Mouse-to-AlphaLink SL flex jumper with push-pull quick-disconnect QDC I/O coupling in 8 contact arrangements



Series 89 Rectangular Nanominiature-to-AlphaLink SL flex jumper (rear-panel-mount plug or receptacle) in 7 contact arrangements

High-reliability Micro-D MIL-DTL-83513 type rectangular-to-AlphaLink SL flex jumper in 7 contact arrangements

Series 79 Micro-Crimp advanced-performance rectangular-to-AlphaLink SL flex jumper in 7 contact arrangements

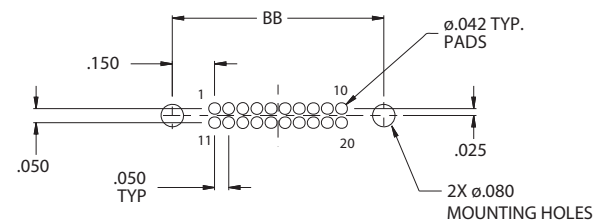
Series 28 HiPer-D -to-AlphaLink SL flex jumper (MIL-DTL-24308 intermateable rectangular) in 6 contact arrangements

CB02-0250: AlphaLink® SL connector
double-ended flex assembly



HOW TO ORDER	
Sample Part Number	CB02-0250 -2 -20 T -6.00 X
Basic Part Number	Flex jumper: AlphaLink® connectors
Connector Material / Finish	2 = Aluminum Alloy / Electroless Nickel 5 = Aluminum Alloy / Gold
Number of Nets / Pins	See PCB Layout table below
Hardware / Thru-Hole	T = Threaded thru hole Omit for thru hole
Assembly Length	In Inches
Connector Configuration	X = Same Side Y = Opposite Sides

ALPHALINK PRINTED CIRCUIT BOARD LAYOUT - SPRING-PIN SIDE				
4 CONTACTS	8 CONTACTS	10 CONTACTS	12 CONTACTS	16 CONTACTS
20 CONTACTS	24 CONTACTS	28 CONTACTS	30 CONTACTS	
32 CONTACTS	36 CONTACTS	40 CONTACTS		



RECOMMENDED PCB LAYOUT
(MATES TO SLC SIDE OF CONNECTOR)

ALPHALINK FLEX JUMPERS

AlphaLink® board level connectors available in 6 contact arrangements, terminated to rugged polyimide-based flex

FLEX PERFORMANCE

- Bend radius is 6 to 10 X flex thickness.
- Typical flex will be .01 ± .005 thick, rugged, potted, polyimide-based flex.
- Flex cables are terminated from the I/O to B/L connector on a 1 to 1 connection (unused B/L contacts are not connected)
- Workmanship shall be IAW IPC-6013, Class 2.

NOTES

- Contacts mapped 1-to-1. For alternative wire schedules, please consult factory.
- AlphaLink® SL interface dimensions IAW Glenair drawing 171-134-02. Interface shown for reference.

CB02-0250: AlphaLink® SL connector
double-ended flex assembly

TABLE II: LAYOUT AND DIMENSIONS		
"Y" CONNECTOR CONFIGURATION		"X" CONNECTOR CONFIGURATION
<p>2X 0-80 UNF-2B THRU THREADED OR 2X ø.080 THRU HOLE</p> <p>0.050 ± 0.002 TYP</p> <p>0.183</p> <p>0.021 / 0.017 TYP</p> <p>0.258</p> <p>0.109</p> <p>0.032 ± 0.015 TYP</p> <p>LENGTH (SEE P/N DEVELOPMENT)</p>		
No. of contacts	AA	BB
4	0.527 (13.4)	0.350 (8.9)
8	0.627 (15.9)	0.450 (11.4)
10	0.677 (17.2)	0.500 (12.7)
16	0.827 (21.0)	0.650 (16.5)
20	0.927 (23.5)	0.750 (19.1)
28	1.127 (28.6)	0.950 (24.1)
32	1.227 (31.2)	1.050 (26.7)
40	1.427 (36.2)	1.250 (31.8)

CB02-0298 Micro-D MWDM-CBS Vertical Board-Mount double-ended flex assembly

MICRO-D FLEX JUMPERS

Glenair MWDM vertical board-mount Micro-D connectors available in 12 contact arrangements, terminated to rugged polyimide-based flex.

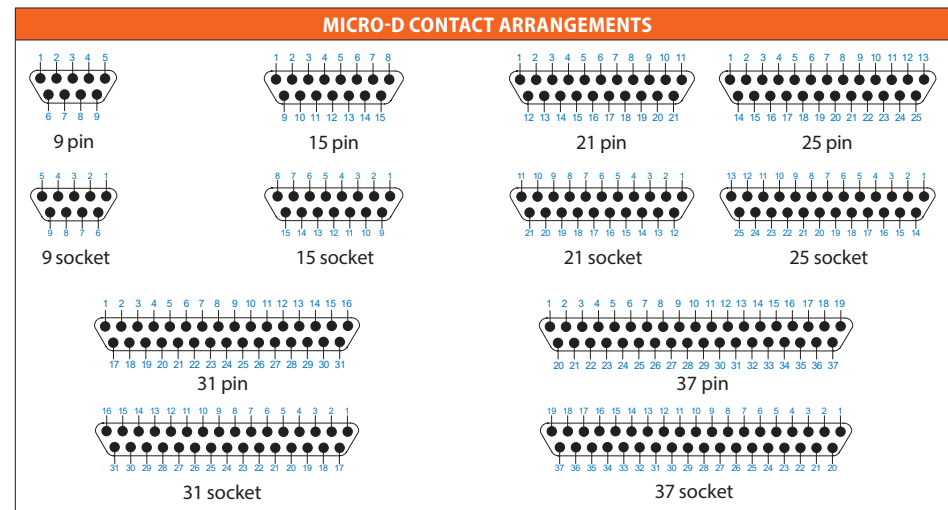
FLEX PERFORMANCE

- Flex fabricated IAW IPC-6013, Class 3, and assembled IAW J-STD-001, Class 3, using SN63/PB37 solder.
- Flex cables are terminated from the I/O connector to the B/L connector on a 1-to-1 connection (extra pin on B/L connector not connected)
- Nets/connections rated for 100mA max. current
- Typical flex will be .01 ± .005 thick, rugged, potted, polyimide-based flex.
- Bend radius is 6X to 10X flex thickness.

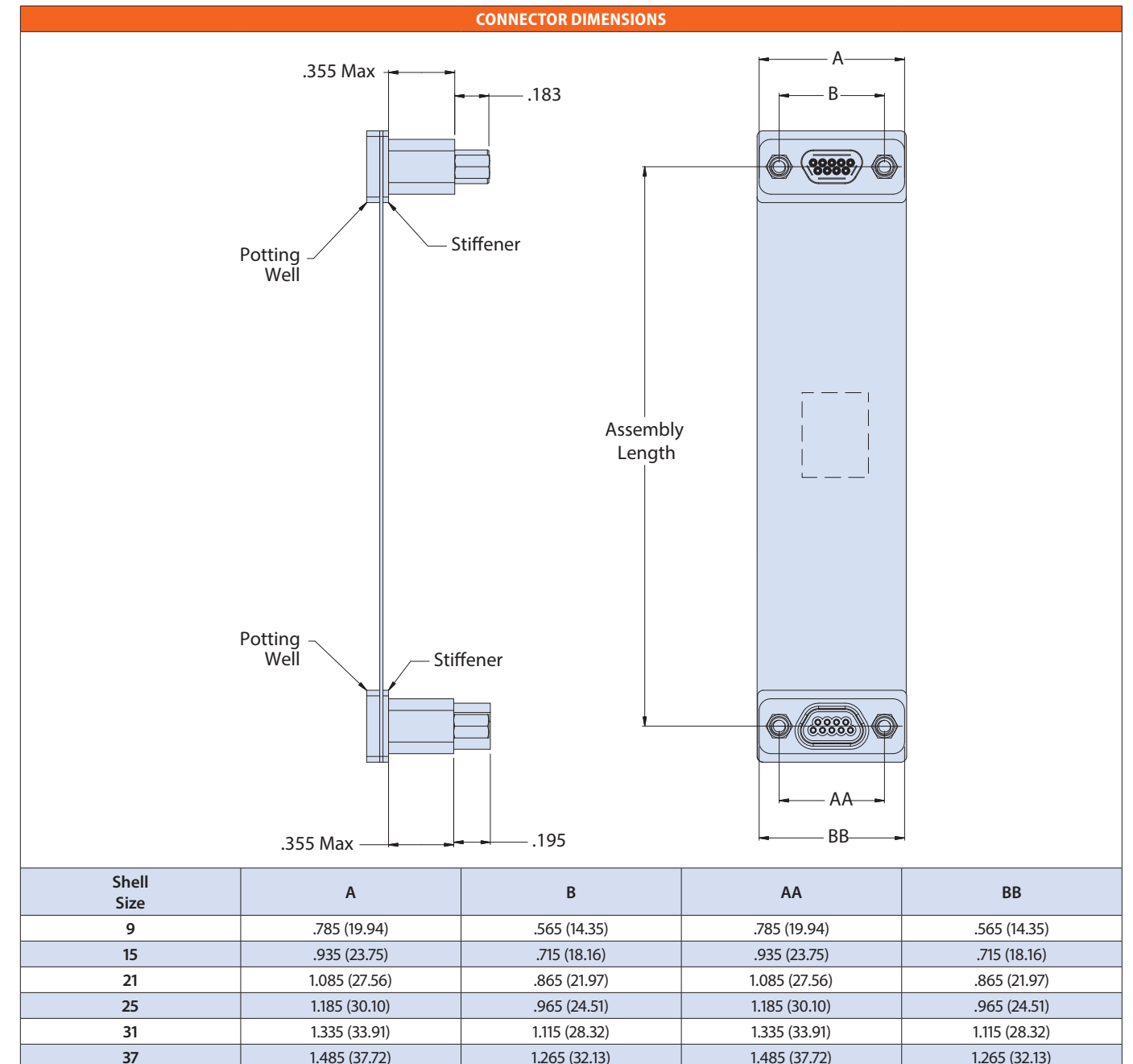
NOTES

- MWDM-CBS vertical board-mount Micro-D connector, designed to meet performance requirements and interface dimensions of MIL-DTL-83513.
- Contacts mapped 1-to-1. For alternative wire schedules, please consult factory.

HOW TO ORDER						
Sample Part Number	CB02-0298	-2	-9	PU	3	-S
Basic Part Number	Flex Jumper: MWDM-CBS Vertical Board-Mount Micro-D I/O connector double-ended flex assembly					
Connector Material / Finish	2 = Aluminum / Nickel 3 = Stainless Steel / Passivated 4 = Aluminum / Black Anodize 5 = Aluminum Alloy / Gold					
Connector Shell Size	-9, -15, -21, -25, -31, -37					
Hardware Option	PU = Jackpost with Threaded Insert NU = Threaded Insert only M = Hex Head Jackscrew Omit for through-hole					
Assembly Length	3 = 3.00 ± .05 inches 6 = 6.00 ± .05 inches 12 = 12.00 ± .05 inches					
Shielding	-S = Shielded assembly Omit = unshielded					



CB02-0298 Micro-D MWDM-CBS Vertical Board-Mount double-ended flex assembly



CB02-0299 Micro-D MWDM-CBR Right-Angle Thru-Hole double-ended flex assembly

HOW TO ORDER	
Sample Part Number	CB02-0299 -2 -9 P 3 -S
Basic Part Number	Flex Jumper: MWDM-CBR Right-Angle Thru-Hole Micro-D I/O connector double-ended flex assembly
Connector Material / Finish	2 = Aluminum / Nickel 3 = Stainless Steel / Passivated 4 = Aluminum / Black Anodize 5 = Aluminum Alloy / Gold
Connector Shell Size	-9, -15, -21, -25
Hardware Option	P = Jackpost Omit for none
Assembly Length	3 = 3.00 ± .05 inches 6 = 6.00 ± .05 inches 12 = 12.00 ± .05 inches
Shielding	-S = Shielded assembly Omit = unshielded

MICRO-D FLEX JUMPERS

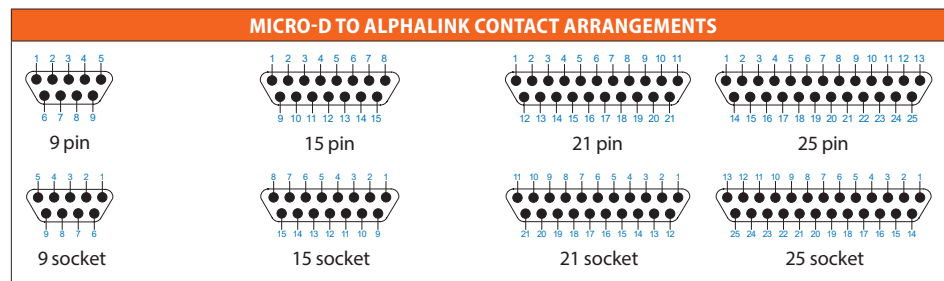
Glenair MWDM right-angle thru-hole Micro-D connectors available in 12 contact arrangements, terminated to rugged polyimide-based flex.

FLEX PERFORMANCE

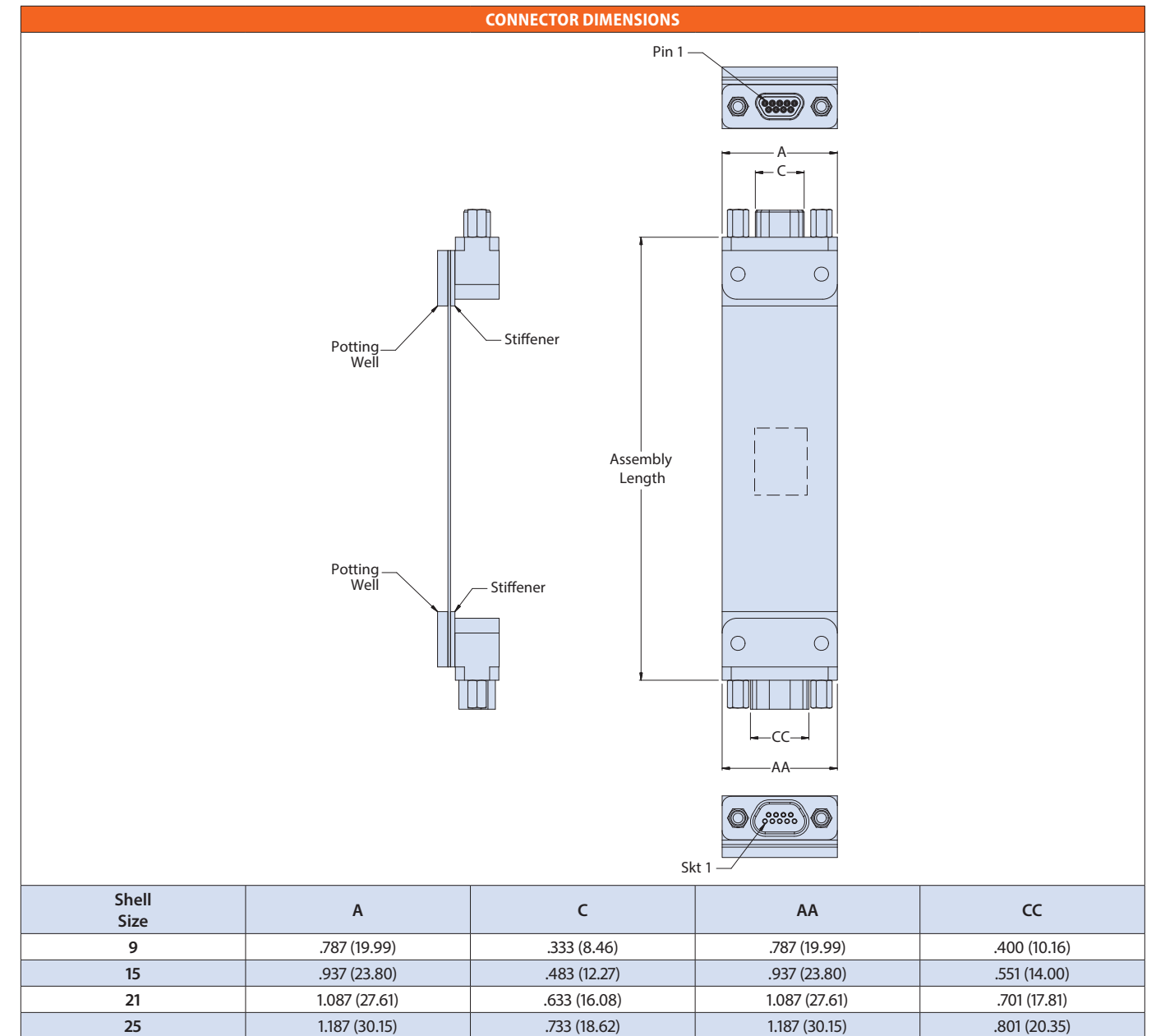
- Flex fabricated IAW IPC-6013, Class 3, and assembled IAW J-STD-001, Class 3, using SN63/PB37 solder.
- Flex cables are terminated from the I/O connector to the B/L connector on a 1-to-1 connection (extra pin on B/L connector not connected)
- Nets/connections rated for 100mA max. current
- Typical flex will be .01 ± .005 thick, rugged, potted, polyimide-based flex.
- Bend radius is 6X to 10X flex thickness.

NOTES

- MWDM-CBR right-angle thru-hole Micro-D connector, designed to meet performance requirements and interface dimensions of MIL-DTL-83513.
- Contacts mapped 1-to-1. For alternative wire schedules, please consult factory.



CB02-0299 Micro-D MWDM-CBR Right-Angle Thru-Hole double-ended flex assembly



CB02-0300 GRPM rear-panel-mount Micro-D I/O to AlphaLink® SL board-level assembly



MICRO-D FLEX JUMPERS

Glenair GRPM Micro-D connectors available in 6 contact arrangements, terminated with rugged polyimide-based flex to AlphaLink® board level connectors.

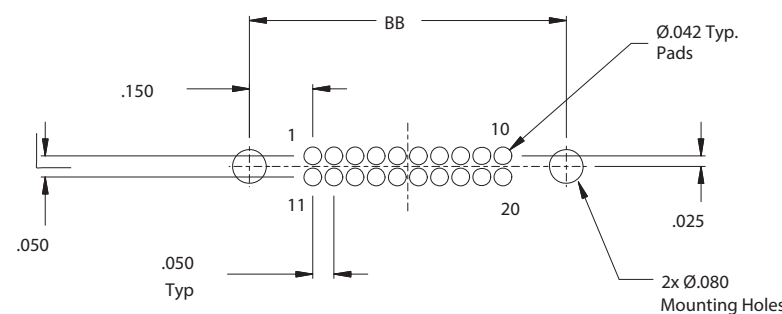
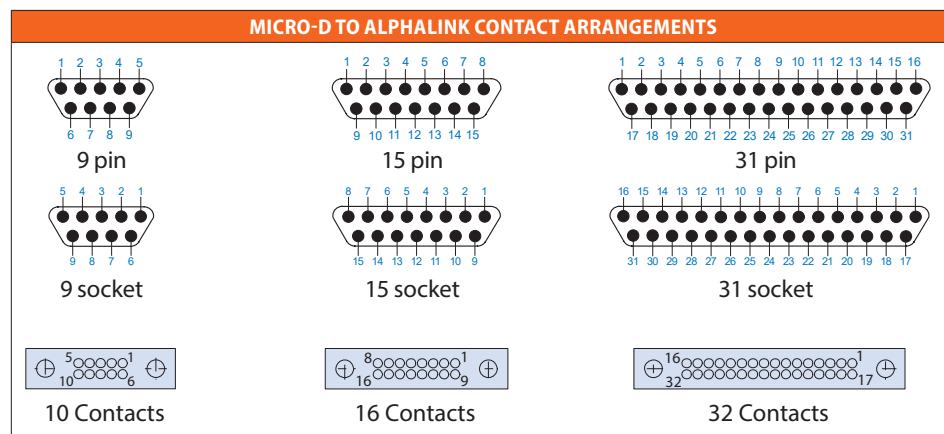
FLEX PERFORMANCE

- Flex fabricated IAW IPC-6013, Class 3, and assembled IAW J-STD-001, Class 3, using SN63/PB37 solder.
- Nets/connections rated for 100mA max. current
- Typical flex will be .01 ± .005 thick, rugged, potted, polyimide-based flex.
- Bend radius is 6X to 10X flex thickness.

NOTES

- I/O GRPM rear-panel-mount Micro-D connector, designed to meet performance requirements and interface dimensions of MIL-DTL-83513.
- Contacts mapped 1-to-1 from I/O to B/L connector (unused B/L contacts not connected). For alternative wire schedules, please consult factory.
- Unused Cavities in connectors to be populated with contacts.
- B/L AlphaLink® SL interface dimensions IAW Glenair drawing 171-134-02. Interface shown for reference.

HOW TO ORDER	
Sample Part Number	CB02-0300 -2 -15 S R1 -2 T -6
Basic Part Number	Flex Jumper: GRPM Panel-Mount Micro-D I/O connector to Series 171 AlphaLink® SL B/L connector
I/O Connector Material / Finish	1 = Aluminum Alloy / Cadmium 2 = Aluminum Alloy / Electroless Nickel 3 = Stainless Steel / Passivated 5 = Aluminum Alloy / Gold 33 = Aluminum Alloy / Nickel/PTFE
I/O Connector Shell Size	-9, -15, -31
I/O Contact / Connector Gender	P = Pin/Plug S = Socket/Receptacle
I/O Hardware Option	R1 = Jackpost for .032" panel R2 = Jackpost for .047" panel R3 = Jackpost for .062" panel R4 = Jackpost for .093" panel R5 = Jackpost for .125" panel R6 = Jackpost for .080" panel
AlphaLink B/L Connector Material / Finish	2 = Aluminum Alloy / Electroless Nickel 5 = Aluminum Alloy / Gold
AlphaLink Thru-Hole/ Hardware Option	T = Threaded thru hole Omit for thru hole
Assembly Length	3 = 3.00 ± .05 inches 6 = 6.00 ± .05 inches 12 = 12.00 ± .05 inches



Contacts mapped 1-to-1 from I/O to B/L connector (unused B/L contacts not connected). Consult Glenair for alternative wire schedules.

CB02-0300 GRPM rear-panel-mount Micro-D I/O to AlphaLink® SL board-level assembly

CONNECTOR DIMENSIONS										
MICRO-D I/O CONNECTOR								ALPHALINK SL BOARD CONNECTOR		
Shell Size	A ±.005	B ±.003	C Max	D Max	E ±.003	F ±.005	G ±.005	Size	AA	BB
9P	.960 (24.4)	.565 (14.4)	.334 (8.5)	.184 (4.7)	.183 (4.6)	.529 (13.4)	.790 (20.1)	10	.677 (17.2)	.500 (12.7)
9S	.960 (24.4)	.565 (14.4)	.400 (10.2)	.250 (6.4)	.195 (5.0)	.541 (13.7)	.790 (20.1)	16	.827 (21.0)	.650 (16.5)
15P	1.110 (28.2)	.715 (18.2)	.484 (12.3)	.184 (4.7)	.183 (4.6)	.529 (13.4)	.940 (23.9)			
15S	1.110 (28.2)	.715 (18.2)	.550 (14.0)	.250 (6.4)	.195 (5.0)	.541 (13.7)	.940 (23.9)	32	1.227 (31.2)	1.050 (26.7)
31P	1.510 (38.4)	1.115 (28.3)	.884 (22.5)	.184 (4.7)	.183 (4.6)	.529 (13.4)	1.340 (34.0)			
31S	1.510 (38.4)	1.115 (28.3)	.950 (24.1)	.250 (6.4)	.195 (5.0)	.541 (13.7)	1.340 (34.0)			

CB02-0301 Nanominiature Dual-Row I/O to AlphaLink® SL board-level assembly



NANO FLEX JUMPERS

Glenair Series 89 Nanominiature connectors available in 6 contact arrangements, terminated with rugged polyimide-based flex to AlphaLink® board level connectors.

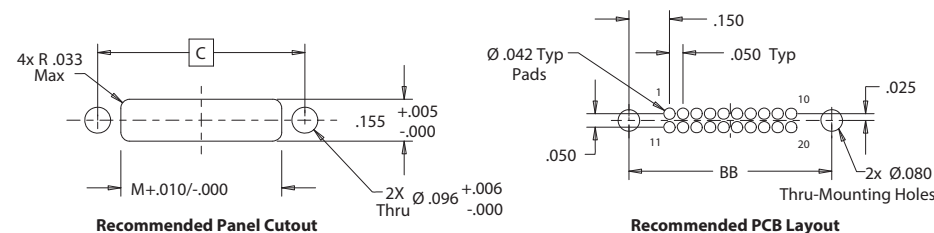
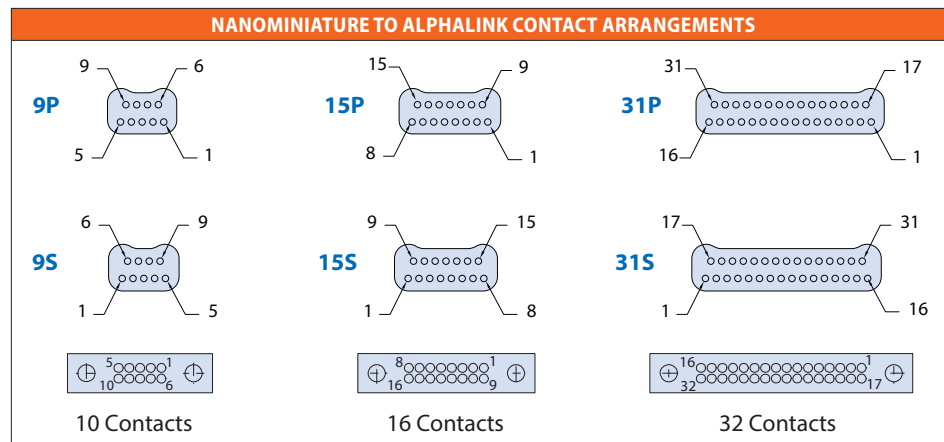
FLEX PERFORMANCE

- Flex fabricated IAW IPC-6013, Class 3, and assembled IAW J-STD-001, Class 3, using SN63/PB37 solder.
- Nets/connections rated for 100mA max. current
- Typical flex will be .01 ± .005 thick, rugged, potted, polyimide-based flex.
- Bend radius is 6X to 10X flex thickness.

NOTES

- I/O Series 89 receptacle performance IAW MIL-DTL-32139
- Contacts mapped 1-to-1 from I/O to B/L connector (unused B/L contacts not connected). For alternative wire schedules, please consult factory.
- Unused Cavities in connectors to be populated with contacts.
- B/L AlphaLink® SL interface dimensions IAW Glenair drawing 171-134-02. Interface shown for reference.

HOW TO ORDER	
Sample Part Number	CB02-0301 -S -15 P 01 -1 T -6
Basic Part Number	Flex Jumper: Nanominiature Dual-Row I/O connector to Series 171 AlphaLink® SL B/L connector
I/O Connector Material / Finish	T = Titanium / Unplated S = Stainless Steel / Passivated
I/O Connector Shell Size	-9, -15, -31
I/O Contact / Connector Gender	P = Pin/Plug S = Socket/Receptacle
I/O Gasket Material	00 = No Gasket 01 = Fluorosilicone IAW MIL-DTL-25988, Type II, Class I, Grade 70 02 = Passivated Silver-Plated Aluminum-filled Fluorosilicone IAW MIL-DTL-83528 03 = Nickel-plated Aluminum-filled Fluorosilicone (CHO-SEAL 6503 or equivalent)
AlphaLink B/L Connector Material / Finish	2 = Aluminum Alloy / Electroless Nickel 5 = Aluminum Alloy / Gold
AlphaLink Thru-Hole/ Hardware Option	T = Threaded thru hole Omit for thru hole
Assembly Length	3 = 3.00 ± .05 inches 6 = 6.00 ± .05 inches 12 = 12.00 ± .05 inches



CB02-0301 Nanominiature Dual-Row I/O to AlphaLink® SL board-level assembly

CONNECTOR DIMENSIONS

I/O Dual-Row Nanominiature

B/L AlphaLink SLC

NANOMINIATURE I/O CONNECTOR					ALPHALINK SL BOARD CONNECTOR		
Shell Size	A Bsc.	C Bsc.	E	F	Size	AA	BB
9P	.270 (6.9)	.566 (14.4)	.688 (17.5)	.808 (20.5)	10	.677 (17.2)	.500 (12.7)
9S	.270 (6.9)	.566 (14.4)	.688 (17.5)	.808 (20.5)			
15P	.345 (8.8)	.641 (16.28)	.763 (19.38)	.883 (22.43)	16	.827 (21.0)	.650 (16.5)
15S	.345 (8.8)	.641 (16.28)	.763 (19.38)	.883 (22.43)			
31P	.545 (13.8)	.841 (21.4)	.963 (24.5)	1.083 (27.5)	32	1.227 (31.2)	1.050 (26.7)
31S	.545 (13.8)	.841 (21.4)	.963 (24.5)	1.083 (27.5)			

893-012 Circular Nanominiature breakaway rear-panel-mount receptacle connector to AlphaLink® SL flex jumper

893-012 Circular Nanominiature breakaway rear-panel-mount receptacle connector to AlphaLink® SL flex jumper

HOW TO ORDER	
Sample Part Number	893-012 -19 N A2 -20 2 T -12 S
Basic Part Number	Series 89 Circular Nanominiature Breakaway I/O receptacle to Series 171 AlphaLink® SL
I/O Contact Arrangement	-4, -7, -19, -37, -44, -55
I/O Polarization	N = Normal A = Alternate
I/O Shell and Spanner Nut Material and Finish	A2 = Aluminum / Electroless Nickel A5 = Aluminum / Gold over Nickel S1 = Stainless Steel / Zinc Cobalt (Black) S2 = Stainless Steel / Passivated
AlphaLink® Layout	-4, -8, -20, -40
AlphaLink® Finish	2 = Nickel 5 = Gold
AlphaLink Thru-Hole/Hardware Option	T = Threaded thru hole Omit for thru hole
Assembly Length (L)	3 = 3.00 ± .05 inches 6 = 6.00 ± .05 inches 12 = 12.00 ± .05 inches
Optional Shielding	S = With shielding Omit for none

NANO FLEX JUMPERS

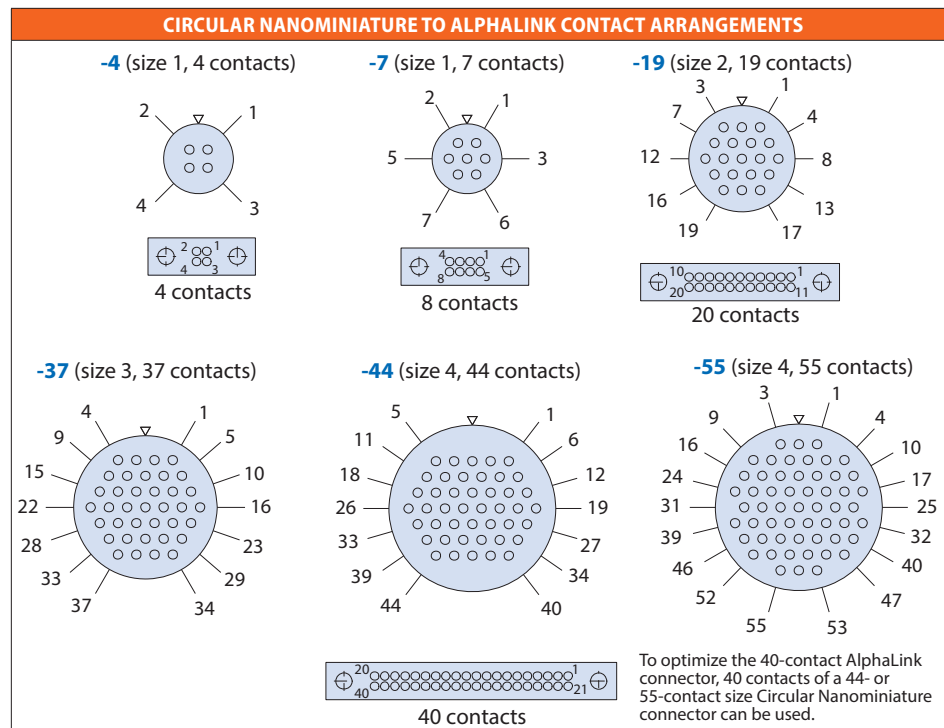
Glenair Series 89 Circular Nanominiature connectors available in 6 contact arrangements, terminated with rugged polyimide-based flex to AlphaLink® board level connectors.

FLEX PERFORMANCE

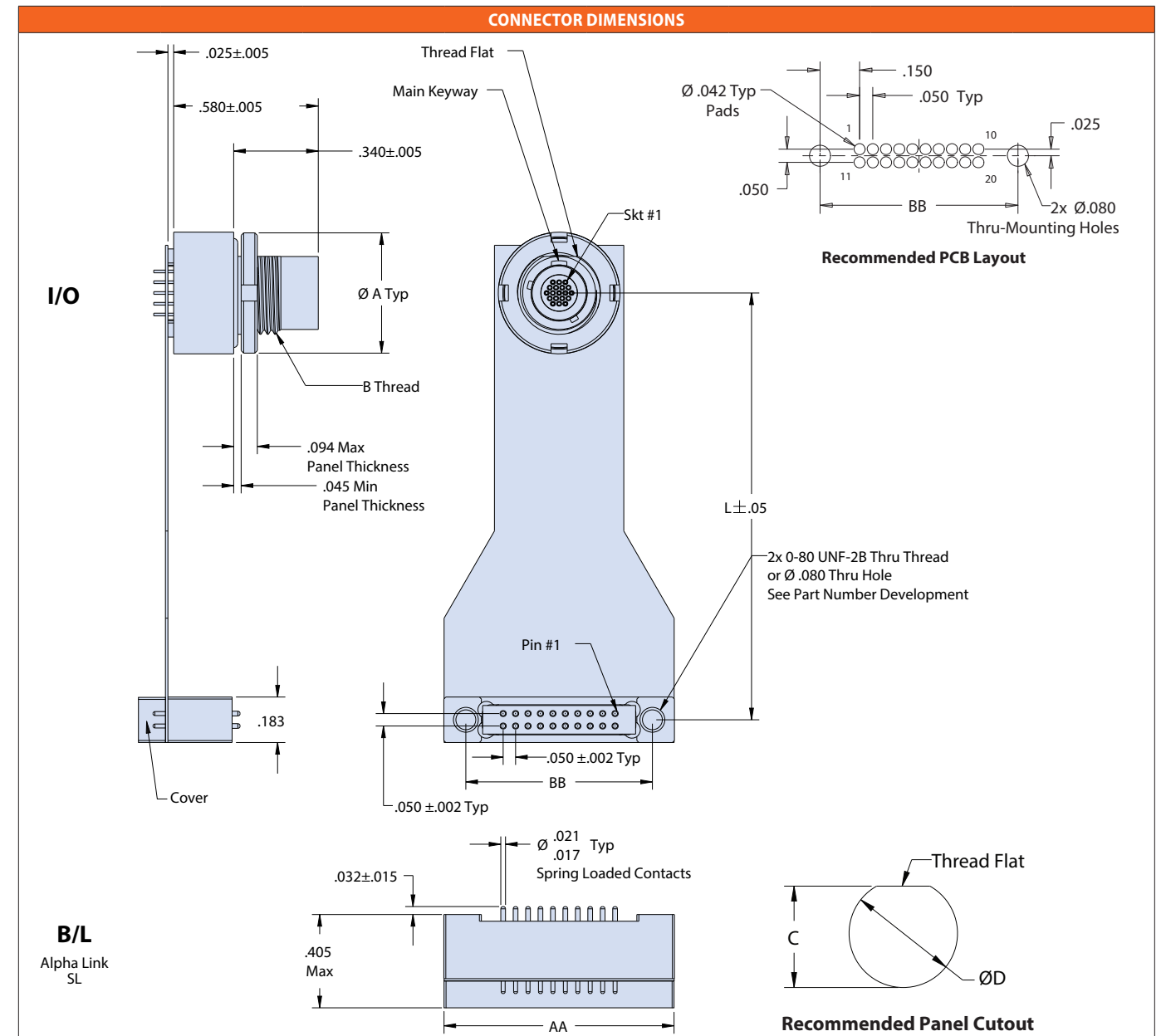
- EMI shielding film will be used when shielding option is chosen
- Bend radius is 6 to 10 X flex thickness.
- Typical flex will be .01 ± .005 thick, rugged, potted, polyimide-based flex.
- Workmanship shall be IAW IPC-6013, Class 2.

NOTES

- I/O Series 89 receptacle performance IAW MIL-DTL-32139
- Contacts mapped 1-to-1 from I/O to B/L connector (unused B/L contacts not connected). For alternative wire schedules, please consult factory.
- Unused Cavities in connectors to be populated with contacts.
- B/L AlphaLink® SL interface dimensions IAW Glenair drawing 171-134-02. Interface shown for reference.



POLARIZATION POSITIONS		Layout	Polarization	A°	B°	Layout	Polarization	A°	B°
Main Key / Keyway		1-4	N	150	210	3-37	N	150	210
			A	75	210		A	75	210
		1-7	N	95	230	4-44	N	150	210
			A	140	275		A	75	210
		2-19	N	150	210	4-55	N	95	230
			A	75	210		A	140	275



NANOMINIATURE I/O CONNECTOR					ALPHALINK SL BOARD CONNECTOR		
Arrangement	ØA	B Thread	C +.002/- .001	ØD +.002/- .001	No. of contacts	AA	BB
4	0.429 (10.9)	M7.0 X 0.75-6G	0.260 (6.6)	0.280 (7.1)	4	0.527 (13.4)	0.350 (8.9)
7	0.429 (10.9)	M7.0 X 0.75-6G	0.260 (6.6)	0.280 (7.1)	8	0.627 (15.9)	0.450 (11.4)
19	0.488 (12.4)	M8.5 X 0.75-6G	0.318 (8.1)	0.340 (8.6)	20	0.927 (23.5)	0.750 (19.1)
37	0.528 (13.4)	M9.5 X 0.75-6G	0.361 (9.2)	0.378 (9.6)	40	1.427 (36.2)	1.250 (31.8)
44	0.567 (14.4)	M10.5 X 0.75-6G	0.401 (10.2)	0.420 (10.7)			
55	0.567 (14.4)	M10.5 X 0.75-6G	0.401 (10.2)	0.420 (10.7)			

893-013 Circular Nanominiature threaded coupling rear-panel-mount receptacle connector to AlphaLink® SL flex jumper



NANO FLEX JUMPERS

Glenair Series 89 Circular Nanominiature connectors available in 6 contact arrangements, terminated with rugged polyimide-based flex to AlphaLink® board level connectors.

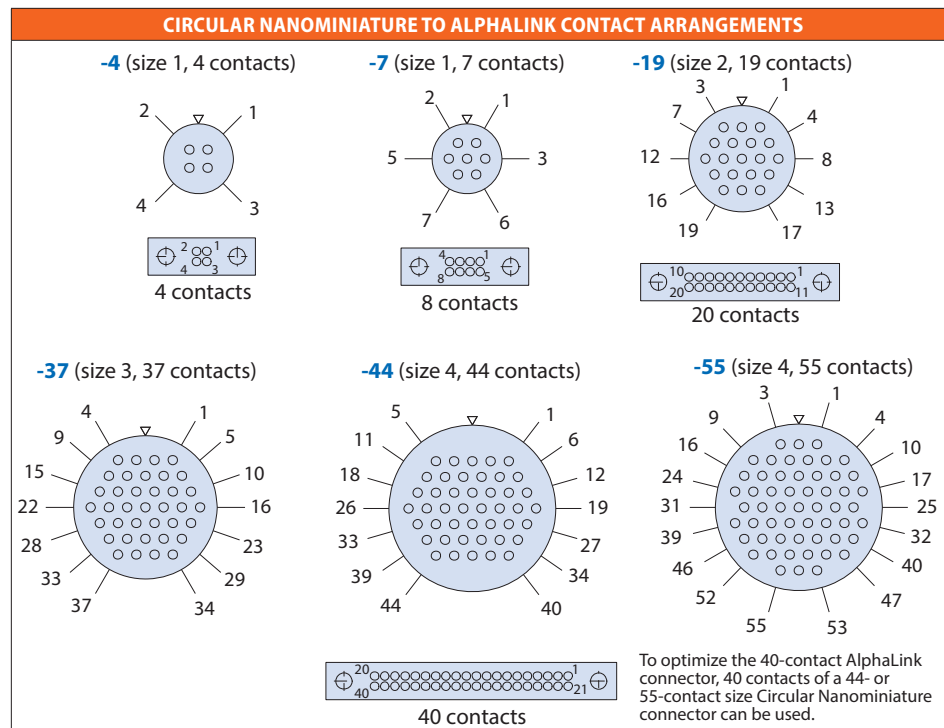
FLEX PERFORMANCE

- EMI shielding film will be used when shielding option is chosen
- Bend radius is 6 to 10 X flex thickness.
- Typical flex will be .01 ± .005 thick, rugged, potted, polyimide-based flex.
- Workmanship shall be IAW IPC-6013, Class 2.

NOTES

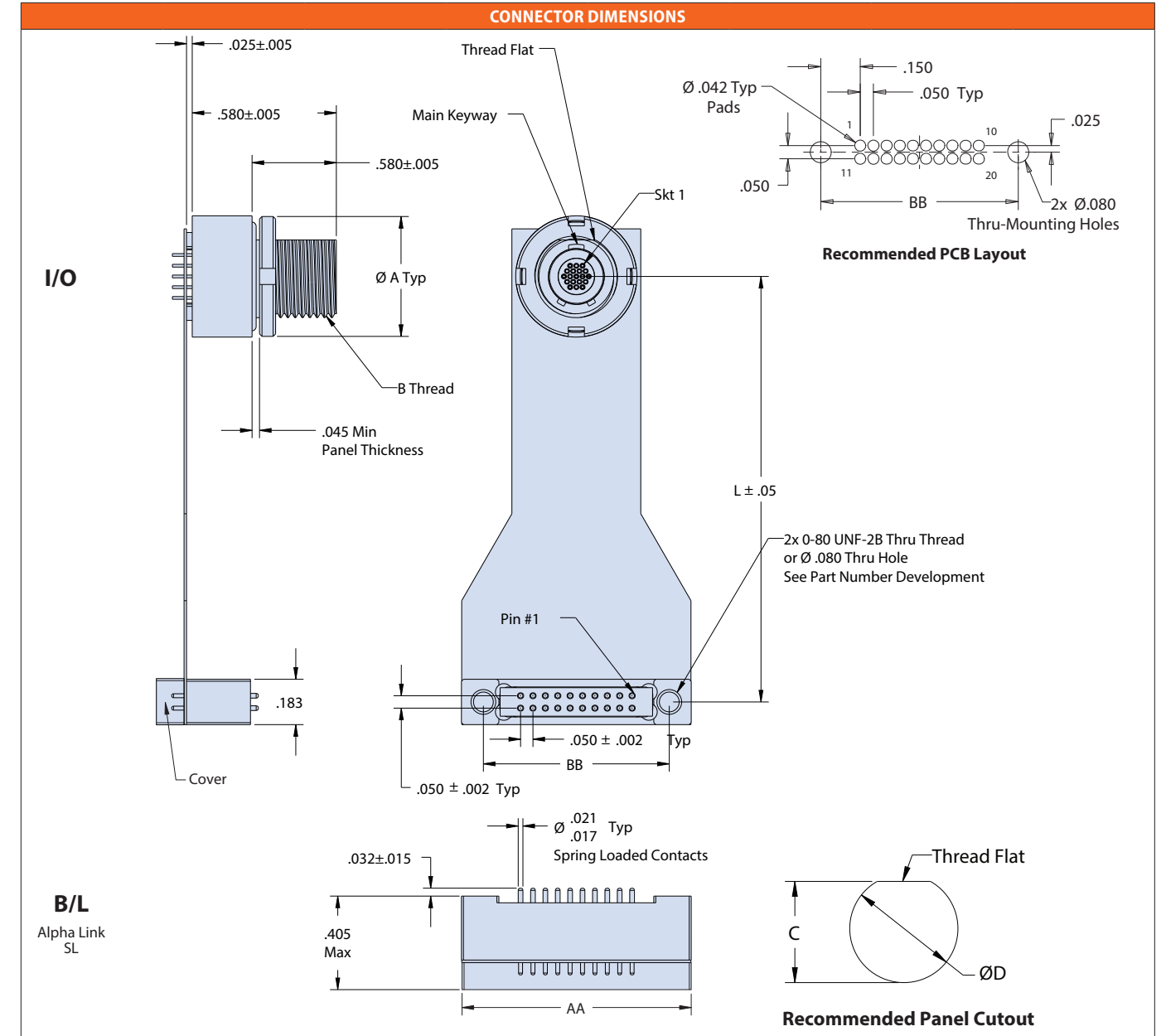
- I/O Series 89 receptacle performance IAW MIL-DTL-32139
- Contacts mapped 1-to-1 from I/O to B/L connector (unused B/L contacts not connected). For alternative wire schedules, please consult factory.
- Unused Cavities in connectors to be populated with contacts.
- B/L AlphaLink® SL interface dimensions IAW Glenair drawing 171-134-02. Interface shown for reference.

HOW TO ORDER	
Sample Part Number	893-013 -19 N A2 -20 2 T -12 S
Basic Part Number	Series 89 Circular Nanominiature Threaded Coupling I/O receptacle to Series 171 AlphaLink® SL
I/O Contact Arrangement	-4, -7, -19, -37, -44, -55
I/O Polarization	N = Normal A = Alternate
I/O Shell and Spanner Nut Material and Finish	A2 = Aluminum / Electroless Nickel A5 = Aluminum / Gold over Nickel S1 = Stainless Steel / Zinc Cobalt (Black) S2 = Stainless Steel / Passivated
AlphaLink® Layout	-4, -8, -20, -40
AlphaLink® Finish	2 = Nickel 5 = Gold
AlphaLink Thru-Hole/Hardware Option	T = Threaded thru hole Omit for thru hole
Assembly Length (L)	3 = 3.00 ± .05 inches 6 = 6.00 ± .05 inches 12 = 12.00 ± .05 inches
Optional Shielding	S = With shielding Omit for none



POLARIZATION POSITIONS		Layout	Polarization	A°	B°	Layout	Polarization	A°	B°
Main Key / Keyway		1-4	N	150	210	3-37	N	150	210
			A	75	210		A	75	210
		1-7	N	95	230	4-44	N	150	210
			A	140	275		A	75	210
		2-19	N	150	210	4-55	N	95	230
			A	75	210		A	140	275

893-013 Circular Nanominiature threaded coupling rear-panel-mount receptacle connector to AlphaLink® SL flex jumper



NANOMINIATURE I/O CONNECTOR					ALPHALINK SL BOARD CONNECTOR		
Arrangement	ØA	B Thread	C +.002/-0.001	ØD +.002/-0.001	No. of contacts	AA	BB
4	0.429 (10.9)	M7.0 X 0.75-6G	0.260 (6.6)	0.280 (7.1)	4	0.527 (13.4)	0.350 (8.9)
7	0.429 (10.9)	M7.0 X 0.75-6G	0.260 (6.6)	0.280 (7.1)	8	0.627 (15.9)	0.450 (11.4)
19	0.488 (12.4)	M8.5 X 0.75-6G	0.318 (8.1)	0.340 (8.6)	20	0.927 (23.5)	0.750 (19.1)
37	0.528 (13.4)	M9.5 X 0.75-6G	0.361 (9.2)	0.378 (9.6)	40	1.427 (36.2)	1.250 (31.8)
44	0.567 (14.4)	M10.5 X 0.75-6G	0.401 (10.2)	0.420 (10.7)			
55	0.567 (14.4)	M10.5 X 0.75-6G	0.401 (10.2)	0.420 (10.7)			

880-034 SuperFly quick-disconnect rear-panel-mount receptacle connector to AlphaLink® SL flex jumper



SUPERFLY FLEX JUMPERS

Glenair Series 89 SuperFly™ nano miniature connectors available in 7 contact arrangements, terminated with rugged polyimide-based flex to AlphaLink® board level connectors.

FLEX PERFORMANCE

- EMI shielding film will be used when shielding option is chosen
- Bend radius is 6 to 10 X flex thickness.
- Typical flex will be .01 ± .005 thick, rugged, potted, polyimide-based flex.
- Workmanship shall be IAW IPC-6013, Class 2.

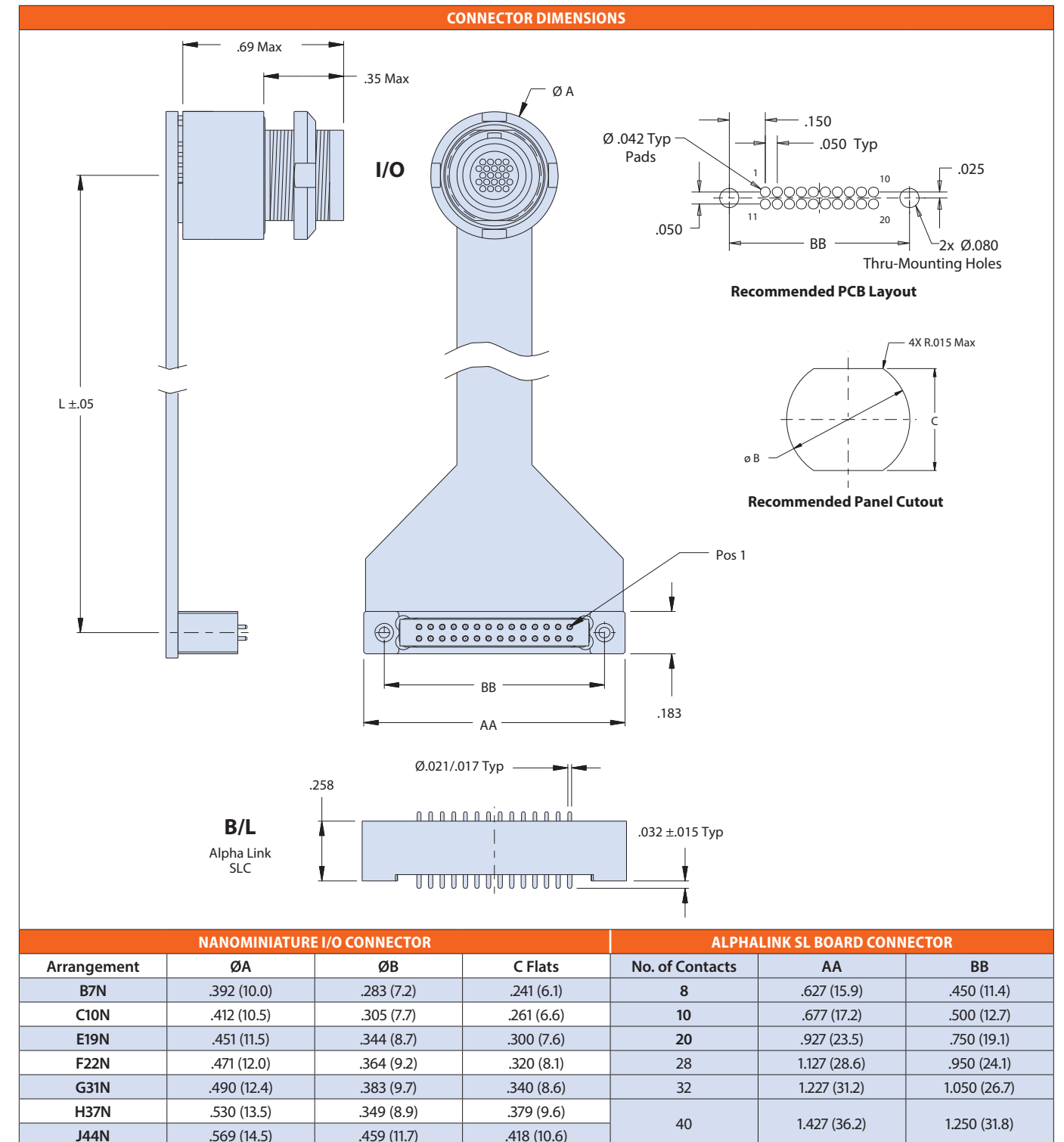
NOTES

- I/O Series 88 QDC receptacle
- Contacts mapped 1-to-1 from I/O to B/L connector (unused B/L contacts not connected). For alternative wire schedules, please consult factory.
- Unused Cavities in connectors to be populated with contacts.
- B/L AlphaLink® SL interface dimensions IAW Glenair drawing 171-134-02. Interface shown for reference.

HOW TO ORDER	
Sample Part Number	880-034R A -F22N -M -2 T -12 S
Basic Part Number	Series 88 SuperFly QDC I/O receptacle to Series 171 AlphaLink® SL
I/O Insert Configuration	A = Unshrouded Nano socket contacts B = Shrouded Nano TwistPin contacts
I/O Shell Size / Contact Arrangement	B7N, C10N, E19N, F22N, G31N, H37N, J44N
I/O Shell Material/ Finish	M = Aluminum / Electroless Nickel ZR = Aluminum / Black Zinc Nickel over Electroless Nickel MT = Aluminum / Nickel-PTFE NF = Aluminum / Olive Drab over Cadmium ZC = Stainless Steel / Zinc Cobalt (Black) ZK = Stainless Steel / Passivated ZMT = Stainless Steel / Nickel Fluoropolymer
AlphaLink® Finish	2 = Nickel 5 = Gold
AlphaLink® Hardware Option	T = Threaded thru hole Omit for thru hole
Assembly Length (L)	3 = 3.00 ± .05 inches 6 = 6.00 ± .05 inches 12 = 12.00 ± .05 inches
Optional Shielding	S = With shielding Omit for none

SUPERFLY TO ALPHALINK CONTACT ARRANGEMENTS			
 B7N 8 Contacts	 C10N 10 Contacts	 E19N 20 Contacts	
 F22N 28 Contacts	 G31N 32 Contacts	 H37N 40 Contacts	 J44N 44 Contacts

880-034 SuperFly quick-disconnect rear-panel-mount receptacle connector to AlphaLink® SL flex jumper



881-021 SuperFly threaded rear-panel-mount receptacle connector to AlphaLink® SL flex jumper

SUPERFLY FLEX JUMPERS

Glenair Series 89 SuperFly™ nano miniature connectors available in 7 contact arrangements, terminated with rugged polyimide-based flex to AlphaLink® board level connectors.

FLEX PERFORMANCE

- EMI shielding film will be used when shielding option is chosen
- Bend radius is 6 to 10 X flex thickness.
- Typical flex will be .01 ± .005 thick, rugged, potted, polyimide-based flex.
- Workmanship shall be IAW IPC-6013, Class 2.

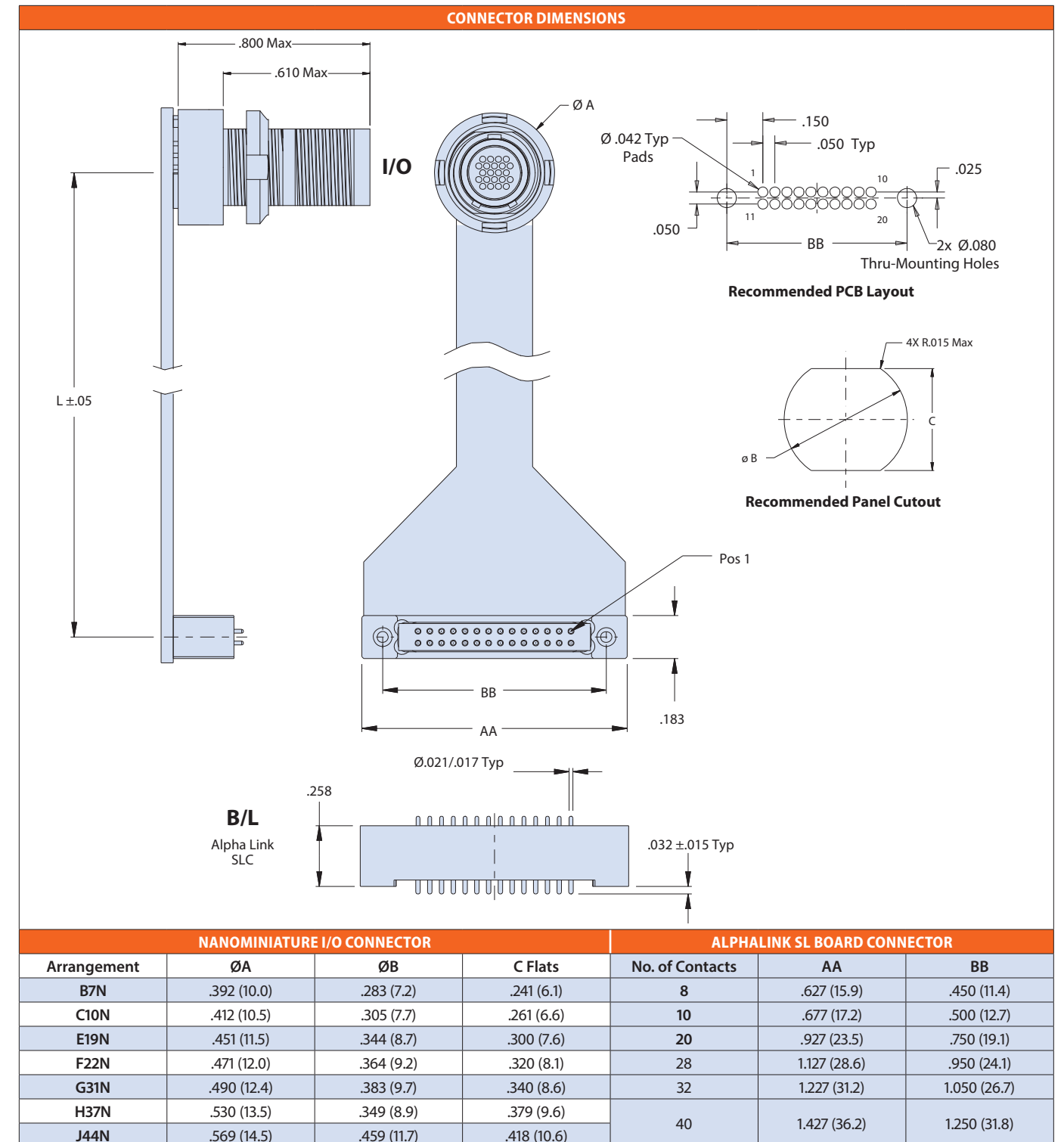
NOTES

- I/O Series 88 threaded receptacle
- Contacts mapped 1-to-1 from I/O to B/L connector (unused B/L contacts not connected). For alternative wire schedules, please consult factory.
- Unused Cavities in connectors to be populated with contacts.
- B/L AlphaLink® SL interface dimensions IAW Glenair drawing 171-134-02. Interface shown for reference.

HOW TO ORDER	
Sample Part Number	880-021R A -F22N -M -2 T -6 S
Basic Part Number	Series 88 SuperFly Threaded I/O receptacle to Series 171 AlphaLink® SL
I/O Insert Configuration	A = Unshrouded Nano socket contacts B = Shrouded Nano TwistPin contacts
I/O Shell Size / Contact Arrangement	B7N, C10N, E19N, F22N, G31N, H37N, J44N
I/O Shell Material/ Finish	M = Aluminum / Electroless Nickel ZR = Aluminum / Black Zinc Nickel over Electroless Nickel MT = Aluminum / Nickel-PTFE NF = Aluminum / Olive Drab over Cadmium ZC = Stainless Steel / Zinc Cobalt (Black) ZK = Stainless Steel / Passivated ZMT = Stainless Steel / Nickel Fluoropolymer
AlphaLink® Finish	2 = Nickel 5 = Gold
AlphaLink® Hardware Option	T = Threaded thru hole Omit for thru hole
Assembly Length (L)	3 = 3.00 ± .05 inches 6 = 6.00 ± .05 inches 12 = 12.00 ± .05 inches
Optional Shielding	S = With shielding Omit for none

SUPERFLY TO ALPHALINK CONTACT ARRANGEMENTS			
 B7N 8 Contacts	 C10N 10 Contacts	 E19N 20 Contacts	
 F22N 28 Contacts	 G31N 32 Contacts	 H37N 40 Contacts	 J44N 44 Contacts

881-021 SuperFly threaded rear-panel-mount receptacle connector to AlphaLink® SL flex jumper



801-110 Mighty Mouse rear-panel-mount environmental double-start ACME thread connector to AlphaLink® SL flex jumper



MIGHTY MOUSE FLEX JUMPERS

Series 801 double-start ACME threaded micro miniature connectors available in 8 contact arrangements, terminated with rugged polyimide-based flex to AlphaLink® board level connectors.

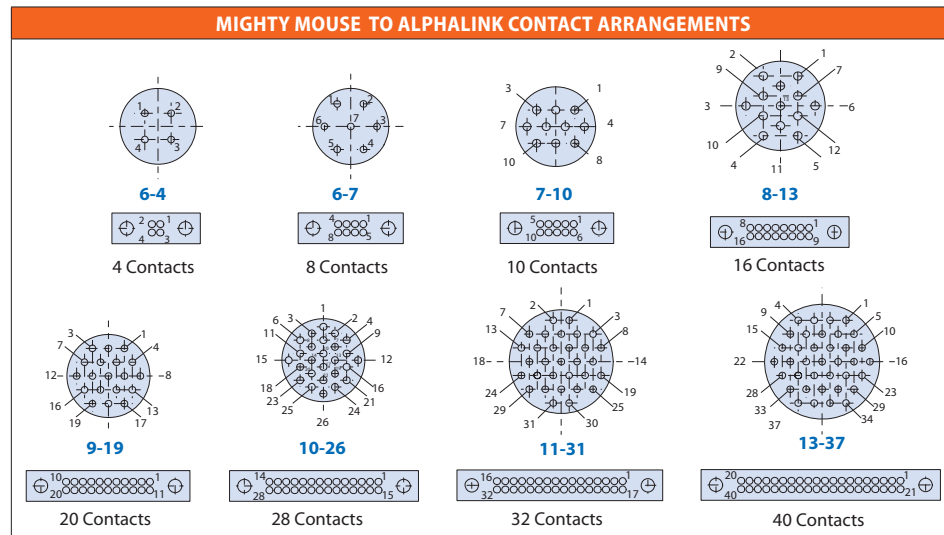
FLEX PERFORMANCE

- EMI shielding film will be used when shielding option is chosen
- Bend radius is 6 to 10 X flex thickness.
- Typical flex will be .01 ± .005 thick, rugged, potted, polyimide-based flex.
- Workmanship shall be IAW IPC-6013, Class 2.

NOTES

- I/O Series 801 threaded receptacle, square-flange or jam nut mount
- Contacts mapped 1-to-1 from I/O to B/L connector (unused B/L contacts not connected). For alternative wire schedules, please consult factory.
- Unused Cavities in connectors to be populated with contacts.
- B/L AlphaLink® SL interface dimensions IAW Glenair drawing 171-134-02. Interface shown for reference.

HOW TO ORDER	
Sample Part Number	801-110 -07 NF 10-26 P A -2 T -6 S
Basic Part Number	Sr. 801 Mighty Mouse I/O receptacle to Series 171 AlphaLink® SL
I/O Connector Style	02 = Square flange receptacle 07 = Jam nut receptacle
I/O Shell Material/Finish	C = Aluminum / Black Anodize M = Aluminum / Electroless Nickel NF = Aluminum / Olive Drab over Cadmium ZN = Aluminum / Zinc Nickel Olive Drab ZNU = Aluminum / Zinc Nickel Black MT = Aluminum / Nickel PTFE Z1 = Stainless Steel / Passivated
I/O Insert Arrangement	6-4, 6-7, 7-10, 8-13, 9-19, 10-26, 11-31, 13-37
I/O Contact Gender	P = Pin S = Socket
I/O Alternate Polarization	A, B, C, D, E, F (See Table VII)
AlphaLink® Finish	2 = Nickel 5 = Gold
AlphaLink® Hardware Option	T = Threaded thru hole Omit for thru hole
Assembly Length (L)	3 = 3.00 ± .05 inches 6 = 6.00 ± .05 inches 12 = 12.00 ± .05 inches
Optional Shielding	S = With shielding Omit for none



ALTERNATE KEY/KEYWAY POSITION		
Position	A°	B°
A	150°	210°
B	75°	210°
C	95°	230°
D	140°	275°
E	75°	275°
F	95°	210°

801-110 Mighty Mouse rear-panel-mount environmental double-start ACME thread connector to AlphaLink® SL flex jumper

CONNECTOR DIMENSIONS

07 MIGHTY MOUSE JAM NUT I/O CONNECTOR

Arrangement	ØD	E Flat	F Flat	K Thread	L Thread	Ø M	N Flat	Ø P	No. of Contacts	AA	BB
6	.635 (16.1)	.595 (15.1)	.410 (10.4)	.3750-.05P-.1L-2A	.4375-28 UNEF-2A	.330 (8.4)	0.418 (10.6) 0.414 (10.5)	.448 (11.4)	4	.527 (13.4)	.350 (8.9)
7	.755 (19.2)	.723 (18.4)	.536 (13.6)	.4375-.05P-.1L-2A	.5625-32 UN-2A	.432 (11.0)	0.544 (13.8) 0.540 (13.7)	.573 (14.6)	8	.627 (15.9)	.450 (11.4)
8	.755 (19.2)	.723 (18.4)	.536 (13.6)	.5000-.05P-.1L-2A	.5625-32 UN-2A	.493 (12.5)	0.544 (13.8) 0.540 (13.7)	.573 (14.6)	10	.677 (17.2)	.500 (12.7)
9	.830 (21.1)	.790 (20.1)	.596 (15.1)	.5625-.05P-.1L-2A	.6250-28 UN-2A	.551 (14.0)	0.604 (15.3) 0.600 (15.2)	.635 (16.1)	20	.927 (23.5)	.750 (19.1)
10	.890 (22.6)	.855 (21.7)	.658 (16.7)	.6250-.05P-.1L-2A	.6875-28 UN-2A	.620 (15.7)	0.668 (17.0) 0.664 (16.9)	.698 (17.7)	28	1.127 (28.6)	.950 (24.1)
11	.960 (24.4)	.925 (23.5)	.718 (18.2)	.6875-.05P-.1L-2A	.7500-28 UN-2A	.662 (16.8)	0.728 (18.5) 0.724 (18.4)	.760 (19.3)	32	1.227 (31.2)	1.050 (26.7)
13	1.078 (27.4)	1.044 (26.5)	.845 (21.5)	.8125-.1P-.2L-2A	.8750-28 UN-2A	.703 (17.9)	0.853 (21.7) 0.849 (21.6)	.885 (22.5)	40	1.427 (36.2)	1.250 (31.8)

02 MIGHTY MOUSE SQUARE FLANGE I/O CONNECTOR

Arrangement	A Sq	B Bsc	Ø C	J Holes	K Thread	Ø M	Ø R	No. of Contacts	AA	BB
6	.590 (15.0)	.423 (10.7)	.750 (19.1)	.096 (2.4) .091 (2.3)	.3750-.05P-.1L-2A	.330 (8.4)	.390 (9.9)	4	.527 (13.4)	.350 (8.9)
7	.650 (16.5)	.483 (12.3)	.850 (21.6)		.4375-.05P-.1L-2A	.432 (11.0)	.450 (11.4)	8	.627 (15.9)	.450 (11.4)
8	.712 (18.1)	.545 (13.8)	.938 (23.8)	.130 (3.3) .126 (3.2)	.5000-.05P-.1L-2A	.493 (12.5)	.510 (13.0)	10	.677 (17.2)	.500 (12.7)
9	.850 (21.6)	.607 (15.4)	1.125 (28.6)		.5625-.05P-.1L-2A	.551 (14.0)	.575 (14.6)	20	.927 (23.5)	.750 (19.1)
10	.890 (22.6)	.670 (17.0)	1.188 (30.2)	.130 (3.3) .126 (3.2)	.6250-.05P-.1L-2A	.620 (15.7)	.640 (16.3)	28	1.127 (28.6)	.950 (24.1)
11	.935 (23.7)	.715 (18.2)	1.250 (31.8)		.6875-.05P-.1L-2A	.662 (16.8)	.700 (17.8)	32	1.227 (31.2)	1.050 (26.7)
13	1.030 (26.2)	.812 (20.6)	1.375 (34.9)	.130 (3.3) .126 (3.2)	.8125-.1P-.2L-2A	.703 (17.9)	.825 (21.0)	40	1.427 (36.2)	1.250 (31.8)

Recommended PCB Layout

804-110 Mighty Mouse rear-panel-mount environmental push-pull connector to AlphaLink® SL flex jumper

804-110 Mighty Mouse rear-panel-mount environmental push-pull connector to AlphaLink® SL flex jumper

MIGHTY MOUSE FLEX JUMPERS

- Series 804 push-pull micro miniature connectors available in 8 contact arrangements, terminated with rugged polyimide-based flex to AlphaLink® board level connectors.

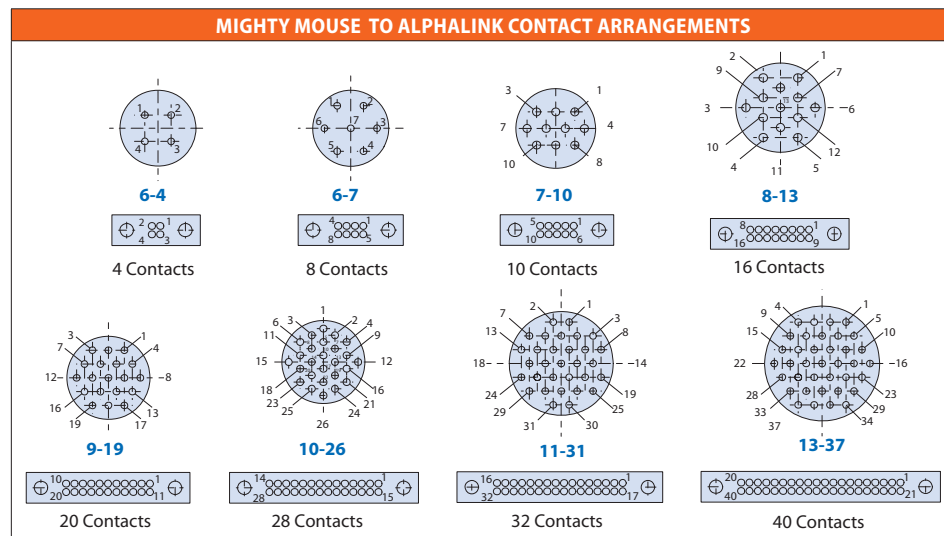
FLEX PERFORMANCE

- EMI shielding film will be used when shielding option is chosen
- Bend radius is 6 to 10 X flex thickness.
- Typical flex will be .01 ± .005 thick, rugged, potted, polyimide-based flex.
- Workmanship shall be IAW IPC-6013, Class 2.

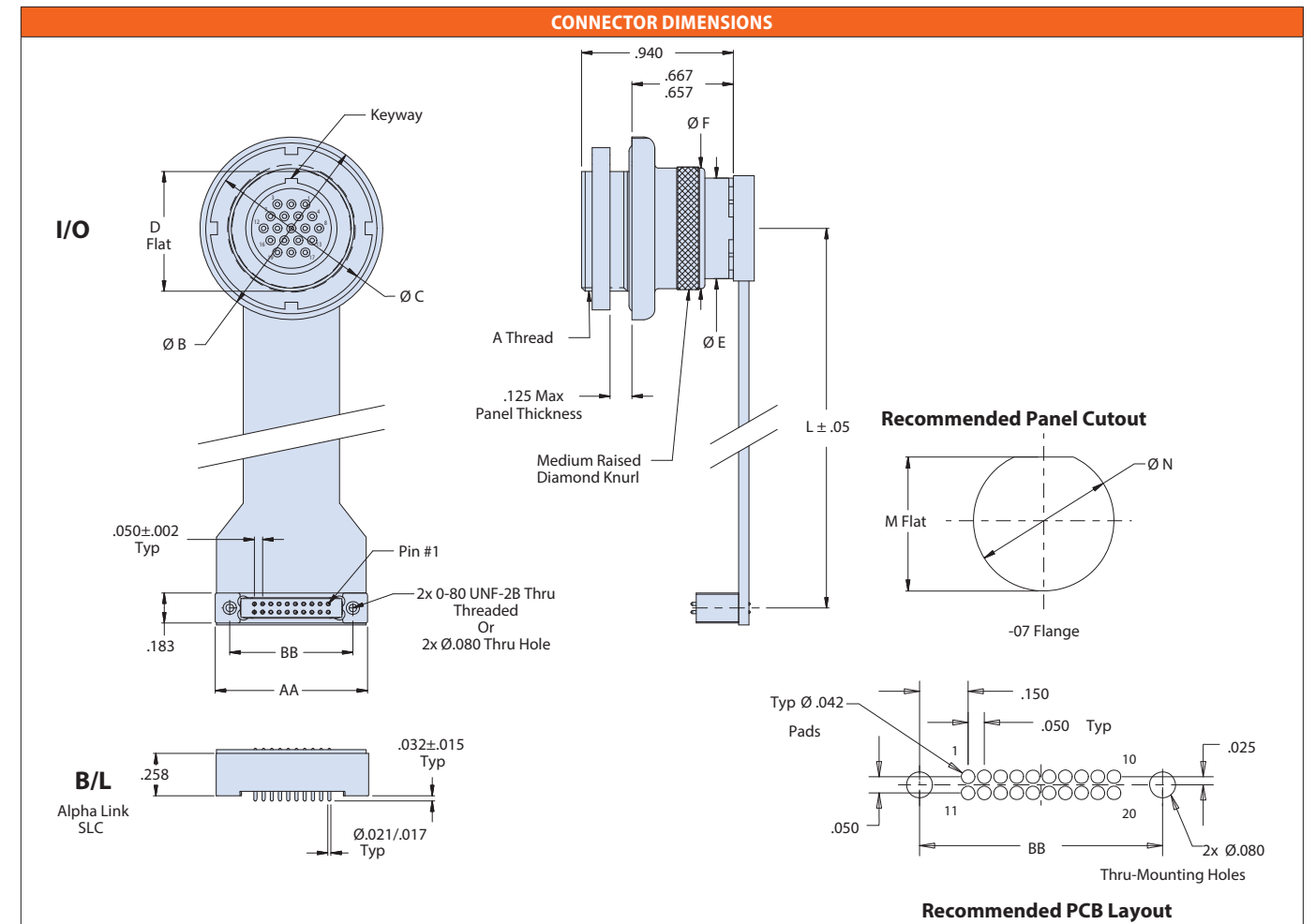
NOTES

- I/O Series 804 push-pull QDC receptacle, square-flange or jam-nut mount
- Contacts mapped 1-to-1 from I/O to B/L connector (unused B/L contacts not connected). For alternative wire schedules, please consult factory.
- Unused Cavities in connectors to be populated with contacts.
- B/L AlphaLink® SL interface dimensions IAW Glenair drawing 171-134-02. Interface shown for reference.

HOW TO ORDER	
Sample Part Number	804-110 -07 NF 10-26 P A -2 T -6 S
Basic Part Number	Sr. 804 Mighty Mouse I/O receptacle to Series 171 AlphaLink® SL
I/O Connector Style	02 = Square flange receptacle 07 = Jam nut receptacle
I/O Shell Material/Finish	C = Aluminum / Black Anodize M = Aluminum / Electroless Nickel NF = Aluminum / Olive Drab over Cadmium ZN = Aluminum / Zinc Nickel Olive Drab ZNU = Aluminum / Zinc Nickel Black MT = Aluminum / Nickel PTFE Z1 = Stainless Steel / Passivated
I/O Insert Arrangement	6-4, 6-7, 7-10, 8-13, 9-19, 10-26, 11-31, 13-37
I/O Contact Gender	P = Pin S = Socket
I/O Alternate Polarization	A, B, C, D, E, F (See Table VII)
AlphaLink® Finish	2 = Nickel 5 = Gold
AlphaLink® Hardware Option	T = Threaded thru hole Omit for thru hole
Assembly Length (L)	3 = 3.00 ± .05 inches 6 = 6.00 ± .05 inches 12 = 12.00 ± .05 inches
Optional Shielding	S = With shielding Omit for none



ALTERNATE KEY/KEYWAY POSITION		
Position	A°	B°
A	150°	210°
B	75°	210°
C	95°	230°
D	140°	275°
E	75°	275°
F	95°	210°



Arrangement	MIGHTY MOUSE QDC I/O CONNECTOR							ALPHALINK SL B/L CONNECTOR			
	A Thread	Ø B	Ø C	D-Flat	Ø E	Ø F	M Flat	Ø N	No. of Contacts	AA	BB
6	.5000-32 UN-2A	.730 (18.5)	.625 (15.9)	.467 (11.9)	.330 (8.4)	.483 (12.3)	.479 (12.2) .475 (12.1)	.510 (13.0)	4	.527 (13.4)	.350 (8.9)
7	.6250-28 UN-2A	.910 (23.1)	.750 (19.1)	.594 (15.1)	.432 (11.0)	.570 (14.5)	.606 (15.4) .601 (15.3)	.635 (16.1)	8	.627 (15.9)	.450 (11.4)
8	.6250-28 UN-2A	.955 (24.3)	.750 (19.1)	.594 (15.1)	.493 (12.5)	.593 (15.1)	.606 (15.4) .601 (15.3)	.635 (16.1)	10	.677 (17.2)	.500 (12.7)
9	.6875-28 UN-2A	1.000 (25.4)	.812 (20.6)	.655 (16.6)	.551 (14.0)	.685 (17.4)	.667 (16.9) .663 (16.8)	.695 (17.7)	20	.927 (23.5)	.750 (19.1)
10	.7500-28 UN-2A	1.085 (27.6)	.875 (22.2)	.721 (18.3)	.620 (15.7)	.725 (18.4)	.734 (18.6) .729 (18.5)	.760 (19.3)	28	1.127 (28.6)	.950 (24.1)
11	.8125-28 UN-2A	1.135 (28.8)	.938 (23.8)	.788 (20.0)	.662 (16.8)	.810 (20.6)	.801 (20.3) .796 (20.2)	.822 (20.9)	32	1.227 (31.2)	1.050 (26.7)
13	.8750-28 UN-2A	1.190 (30.2)	1.000 (25.4)	.843 (21.4)	.703 (17.9)	.850 (21.6)	.855 (21.7) .851 (21.6)	.885 (22.5)	40	1.427 (36.2)	1.250 (31.8)

286-077P HiPer-D pin connector
to AlphaLink® SL flex jumper



HIPER-D FLEX JUMPERS

High-reliability HiPer-D MIL-DTL-24308 intermateable/intermountable rectangular connectors in 6 contact arrangements, terminated with rugged polyimide-based flex to high-performance AlphaLink® SL board level connectors.

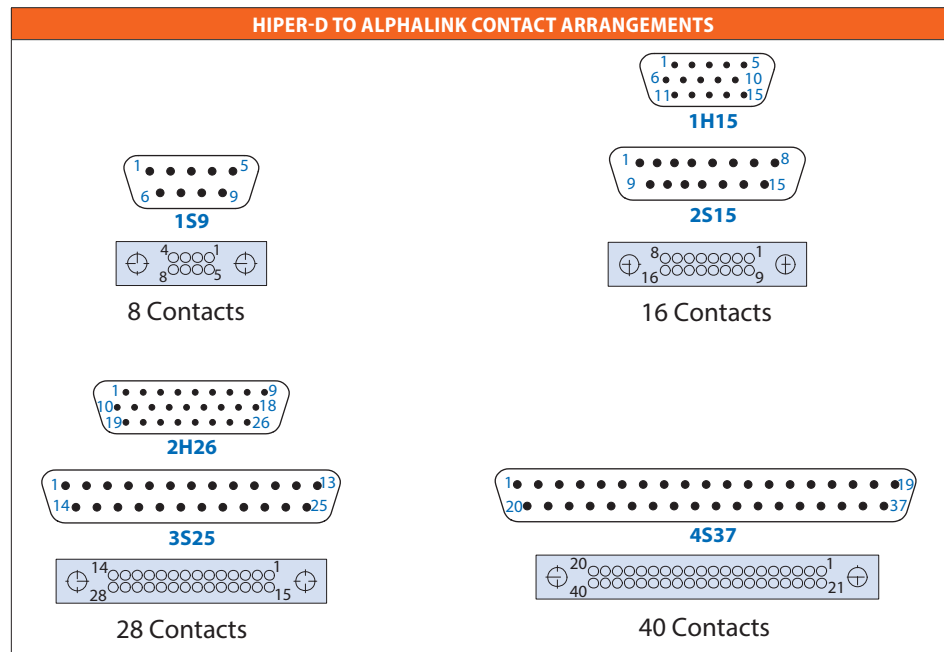
FLEX PERFORMANCE

- EMI shielding film will be used when shielding option is chosen
- Bend radius is 6 to 10 X flex thickness.
- Typical flex will be .01 ± .005 thick, rugged, potted, polyimide-based flex.
- Workmanship shall be IAW IPC-6013, Class 2.

NOTES

- I/O Series 28 HiPer-D right-angle pin-contact connector, rear panel mount with O-ring environmental seal (280-024)
- Contacts mapped 1-to-1 from I/O to B/L connector (unused B/L contacts not connected). For alternative wire schedules, please consult factory.
- Unused Cavities in connectors to be populated with contacts.
- B/L AlphaLink® SL interface dimensions IAW Glenair drawing 171-134-02. Interface shown for reference.

HOW TO ORDER	
Sample Part Number	286-077P -3525 ME G N -2 T -6 S
Basic Part Number	HiPer-D pin connector to Series 171 AlphaLink® SL
I/O Insert Arrangement	1S9, 1H15, 2S15, 2H26, 3S25, 4S37
I/O Shell Material/Finish	ME = Aluminum / Electroless Nickel Z1 = Stainless Steel / Passivated ZM = Stainless Steel / Electroless Nickel JF = Aluminum / Yellow Chromate over Cadmium
I/O Grounding Option	G = EMI Grounding N = None
I/O Hardware Option	N = None (Tapped Hole) P = Female Jackpost G = Guide Pin B = Guide Bushing
AlphaLink® Finish	2 = Nickel 5 = Gold
AlphaLink® Hardware Option	T = Threaded thru hole Omit for thru hole
Assembly Length (L)	3 = 3.00 ± .05 inches 6 = 6.00 ± .05 inches 12 = 12.00 ± .05 inches
Optional Shielding	S = With shielding Omit for none



286-077P HiPer-D pin connector
to AlphaLink® SL flex jumper

CONNECTOR DIMENSIONS

I/O Series 28 HiPer-D

B/L Alpha Link SLC

Recommended Panel Cutout as viewed from front face of panel

Recommended PCB Layout

HIPER-D I/O CONNECTOR									ALPHALINK SL BOARD CONNECTOR			
Shell Size	Insert Pattern	A ± .015	B ± .015	C Basic	D ± .005	E ± .005	F Basic	G ± .015	H ± .015	Size	AA	BB
1	S9 H15	1.865 (47.4)	0.725 (18.4)	0.984 (25.0)	0.666 (16.9)	0.329 (8.4)	1.424 (36.2)	0.469 (11.9)	1.609 (40.9)	8	.627 (15.9)	.450 (11.4)
2	S15 H26	2.200 (55.9)	0.725 (18.4)	1.312 (33.3)	0.994 (25.2)	0.329 (8.4)	1.752 (44.5)	0.469 (11.9)	1.944 (49.4)	16	.827 (21.0)	.650 (16.5)
3	S25	2.736 (69.5)	0.725 (18.4)	1.852 (47.0)	1.534 (39.0)	0.329 (8.4)	2.292 (58.2)	0.469 (11.9)	2.480 (63.0)	28	1.127 (28.6)	.950 (24.1)
4	S37	3.385 (86.0)	0.725 (18.4)	2.500 (63.5)	2.182 (55.4)	0.329 (8.4)	2.940 (74.7)	0.469 (11.9)	3.129 (79.5)	40	1.427 (36.2)	1.250 (31.8)

286-078S HiPer-D socket connector
to AlphaLink® SL flex jumper



HIPER-D FLEX JUMPERS

High-reliability HiPer-D MIL-DTL-24308 intermateable/intermountable rectangular connectors in 6 contact arrangements, terminated with rugged polyimide-based flex to high-performance AlphaLink® SL board level connectors.

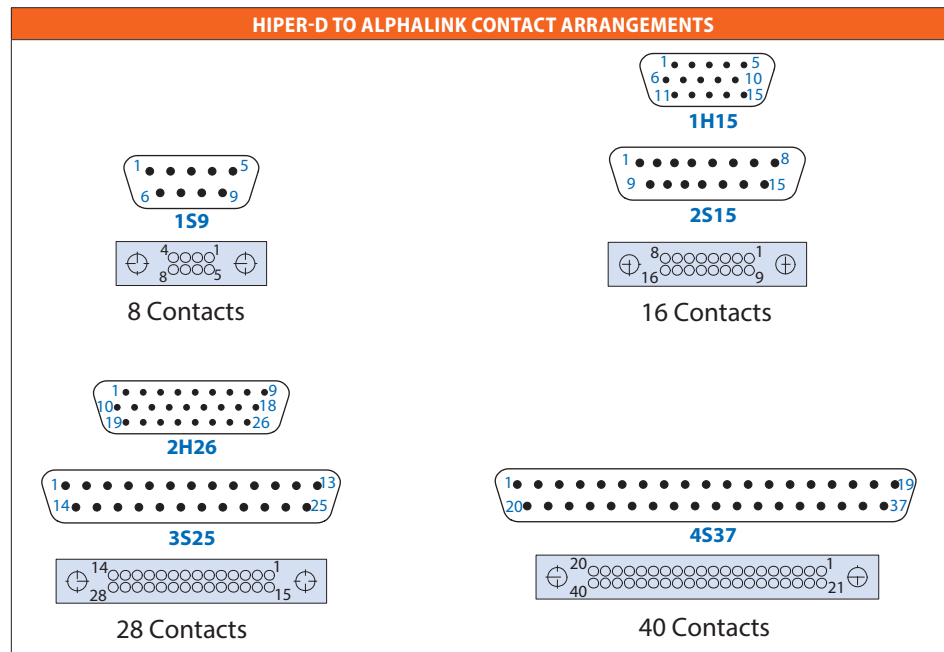
FLEX PERFORMANCE

- EMI shielding film will be used when shielding option is chosen
- Bend radius is 6 to 10 X flex thickness.
- Typical flex will be .01 ± .005 thick, rugged, potted, polyimide-based flex.
- Workmanship shall be IAW IPC-6013, Class 2.

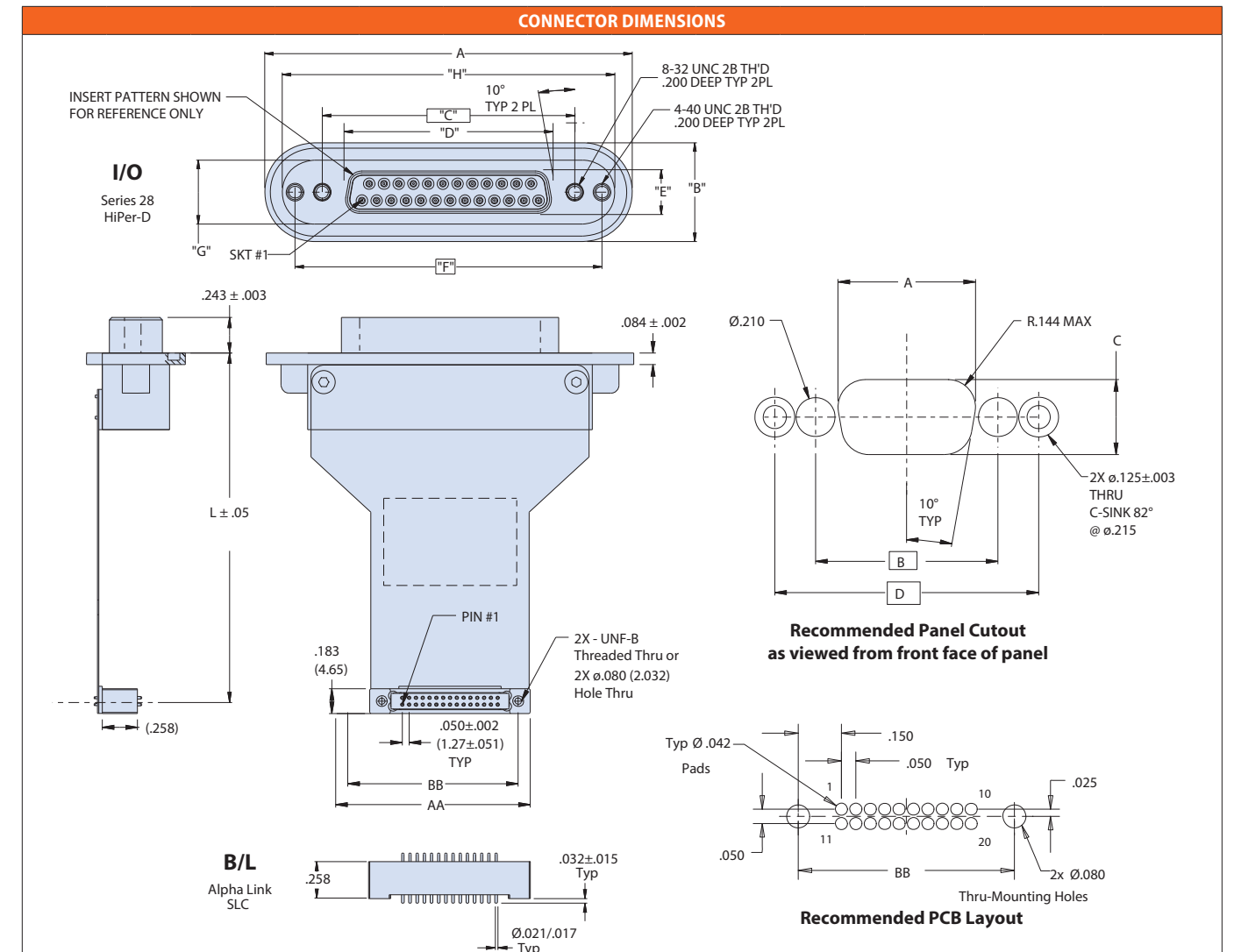
NOTES

- I/O Series 28 HiPer-D right-angle socket-contact connector, rear panel mount with O-ring environmental seal (280-025)
- Contacts mapped 1-to-1 from I/O to B/L connector (unused B/L contacts not connected). For alternative wire schedules, please consult factory.
- Unused Cavities in connectors to be populated with contacts.
- B/L AlphaLink® SL interface dimensions IAW Glenair drawing 171-134-02. Interface shown for reference.

HOW TO ORDER	
Sample Part Number	286-078S -3525 ME N -2 T -6 S
Basic Part Number	HiPer-D pin connector to Series 171 AlphaLink® SL
I/O Insert Arrangement	1S9, 1H15, 2S15, 2H26, 3S25, 4S37
I/O Shell Material/Finish	ME = Aluminum / Electroless Nickel Z1 = Stainless Steel / Passivated ZM = Stainless Steel / Electroless Nickel JF = Aluminum / Yellow Chromate over Cadmium
I/O Hardware Option	N = None (Tapped Hole) P = Female Jackpost G = Guide Pin B = Guide Bushing
AlphaLink® Finish	2 = Nickel 5 = Gold
AlphaLink® Hardware Option	T = Threaded thru hole Omit for thru hole
Assembly Length (L)	3 = 3.00 ± .05 inches 6 = 6.00 ± .05 inches 12 = 12.00 ± .05 inches
Optional Shielding	S = With shielding Omit for none



286-078S HiPer-D socket connector
to AlphaLink® SL flex jumper



Shell Size	Insert Pattern	HIPER-D I/O CONNECTOR								ALPHALINK SL BOARD CONNECTOR		
		A ± .015	B ± .015	C Basic	D ± .005	E ± .005	F Basic	G ± .015	H ± .015	Size	AA	BB
1	S9	1.865 (47.4)	0.725 (18.4)	0.984 (25.0)	0.643 (16.3)	0.311 (7.9)	1.424 (36.2)	0.469 (11.9)	1.609 (40.9)	8	.627 (15.9)	.450 (11.4)
	H15											
2	S15	2.200 (55.9)	0.725 (18.4)	1.312 (33.3)	0.971 (24.7)	0.311 (7.9)	1.752 (44.5)	0.469 (11.9)	1.944 (49.4)	16	.827 (21.0)	.650 (16.5)
	H26											
3	S25	2.736 (69.5)	0.725 (18.4)	1.852 (47.0)	1.511 (38.4)	0.311 (7.9)	2.292 (58.2)	0.469 (11.9)	2.480 (63.0)	28	1.127 (28.6)	.950 (24.1)
	S37											
4	S37	3.385 (86.0)	0.725 (18.4)	2.500 (63.5)	2.159 (54.8)	0.311 (7.9)	2.940 (74.7)	0.469 (11.9)	3.129 (79.5)	40	1.427 (36.2)	1.250 (31.8)
	S37											

796-112 Rear panel mount environmental Series 79 Micro-Crimp pin contact receptacle to AlphaLink® SL flex jumper

SERIES 79 MICRO-CRIMP FLEX JUMPERS

Glenair Series 79 Micro-Crimp advanced-performance rectangular connectors in 7 contact arrangements, terminated with rugged polyimide-based flex to AlphaLink® board level connectors.

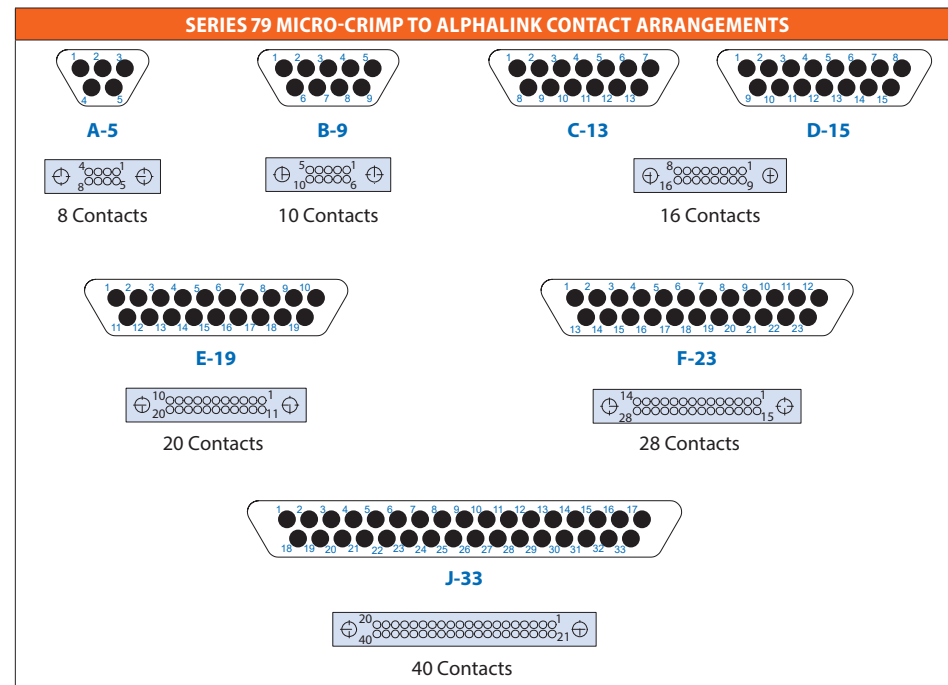
FLEX PERFORMANCE

- EMI shielding film will be used when shielding option is chosen
- Bend radius is 6 to 10 X flex thickness.
- Typical flex will be .01 ± .005 thick, rugged, potted, polyimide-based flex.
- Workmanship shall be IAW IPC-6013, Class 2.

NOTES

- I/O Series 79 Micro-Crimp receptacle connector, rear panel-mount with O-ring environmental seal
- Contacts mapped 1-to-1 from I/O to B/L connector (unused B/L contacts not connected). For alternative wire schedules, please consult factory.
- Unused Cavities in connectors to be populated with contacts.
- B/L AlphaLink® SL interface dimensions IAW Glenair drawing 171-134-02. Interface shown for reference.

HOW TO ORDER	
Sample Part Number	796-112- 9-10 M G -2 T -6 S
Basic Part Number	Rear Panel-Mount Micro-Crimp I/O receptacle to Series 171 AlphaLink® SL
I/O Insert Arrangement	A-5, B-9, C013, D-15, E-19, F-23, J-33
I/O Shell Material/Finish	M = Aluminum / Electroless Nickel MT = Aluminum / Nickel PTFE E = Aluminum / Chem Film Z2 = Aluminum / Gold UC = Aluminum / Zinc Cobalt with Black Chromate J = Aluminum / Yellow Chromate over Cadmium NF = Aluminum / Cad Olive Drab over Electroless Nickel
I/O Hardware Option	P - Jackposts G - Male Guide Pins S - Female Guide Sockets N - No Mating Hardware
AlphaLink® Finish	2 = Nickel 5 = Gold
AlphaLink® Hardware Option	T = Threaded thru hole Omit for thru hole
Assembly Length (L)	3 = 3.00 ± .05 inches 6 = 6.00 ± .05 inches 12 = 12.00 ± .05 inches
Optional Shielding	S = With shielding Omit for none



796-112 Rear panel mount environmental Series 79 Micro-Crimp pin contact receptacle to AlphaLink® SL flex jumper

CONNECTOR DIMENSIONS

Shell Size	A		B ±.002		C		D		E	
	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm
A	.925	23.50	.565	14.35	.396	10.06	.198	5.03	.286	7.26
B	1.075	27.31	.715	18.16	.546	13.87	.273	6.93	.436	11.07
C	1.225	31.12	.865	21.97	.696	17.68	.348	8.84	.586	14.88
D	1.325	33.66	.965	24.51	.796	20.22	.398	10.11	.686	17.42
E	1.475	37.47	1.115	28.32	.946	24.03	.473	12.01	.836	21.23
F	1.625	41.28	1.265	32.13	1.096	27.84	.548	13.92	.986	25.04
J	1.975	50.17	1.615	41.02	1.448	36.78	.724	18.39	1.345	34.16

HIPER-D I/O CONNECTOR						ALPHALINK SL BOARD CONNECTOR							
Shell Size	A Max		B Basic		C Basic		D Max		E Max		Size	AA	BB
	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm			
A	1.341	34.06	.925	23.50	.565	14.35	.401	10.19	.760	19.30	8	.627 (15.9)	.450 (11.4)
B	1.491	37.87	1.075	27.31	.715	18.16	.551	14.00	.910	21.11	10	.677 (17.2)	.500 (12.7)
C	1.641	41.68	1.225	31.12	.865	21.97	.701	17.81	1.060	26.92	16	.827 (21.0)	.650 (16.5)
D	1.741	44.22	1.325	33.66	.965	24.51	.801	20.35	1.160	29.46			
E	1.891	48.03	1.475	37.47	1.115	28.32	.951	24.16	1.310	33.27			
F	2.041	51.84	1.625	41.28	1.265	32.13	1.101	27.96	1.460	37.08			
J	2.391	60.73	1.975	50.17	1.615	41.02	1.460	37.08	1.810	45.97			

796-113 Rear panel mount environmental Micro-Crimp socket contact plug to AlphaLink® SL flex jumper

SERIES 79 MICRO-CRIMP FLEX JUMPERS

Glenair Series 79 Micro-Crimp advanced-performance rectangular connectors in 7 contact arrangements, terminated with rugged polyimide-based flex to AlphaLink® board level connectors.

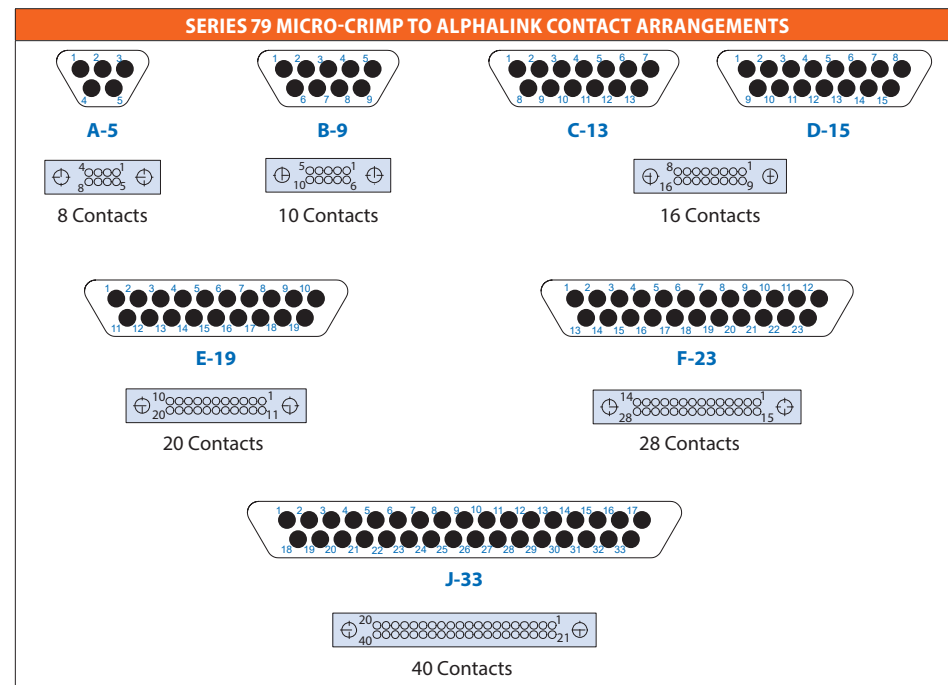
FLEX PERFORMANCE

- EMI shielding film will be used when shielding option is chosen
- Bend radius is 6 to 10 X flex thickness.
- Typical flex will be .01 ± .005 thick, rugged, potted, polyimide-based flex.
- Workmanship shall be IAW IPC-6013, Class 2.

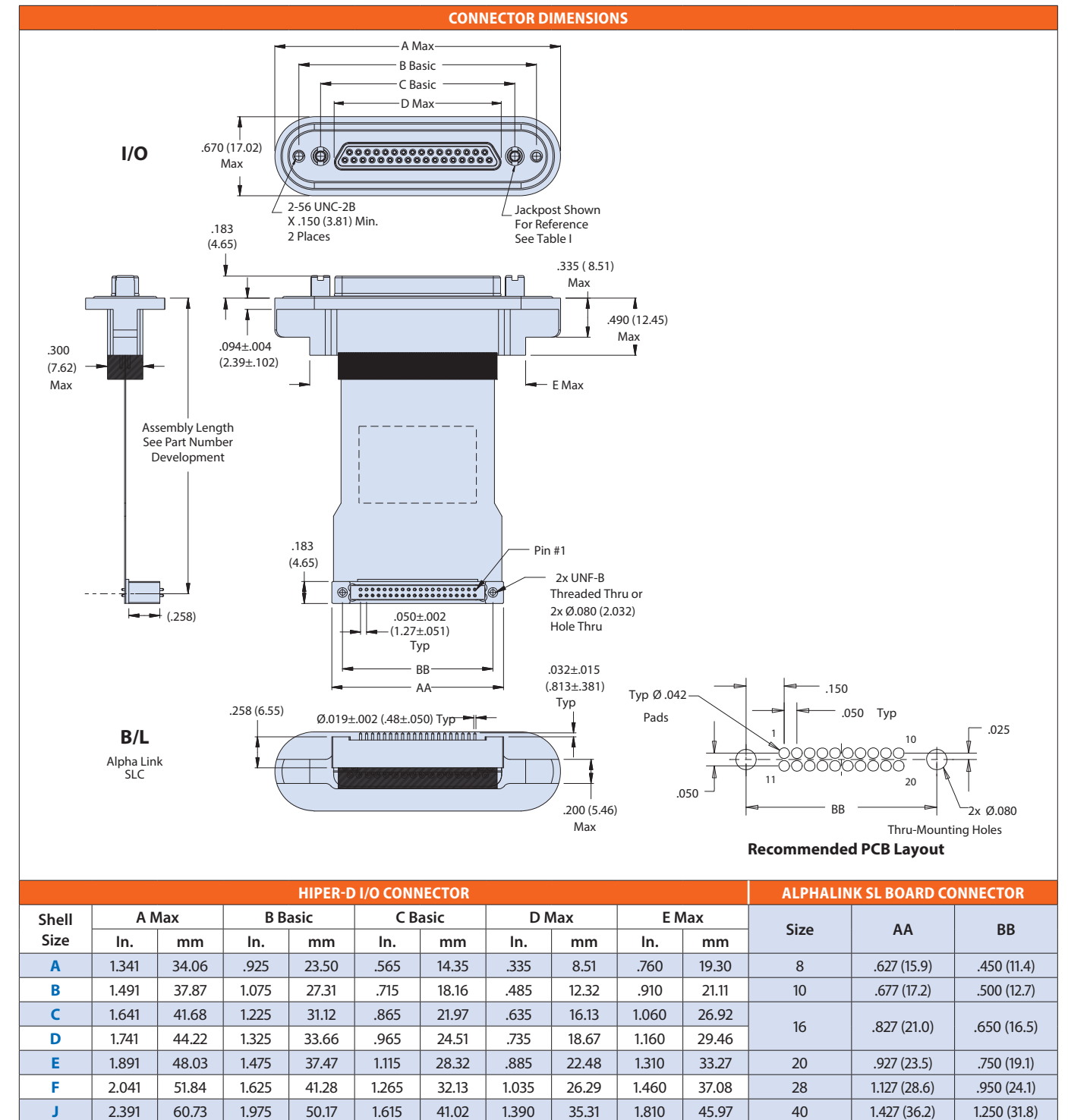
NOTES

- I/O Series 79 Micro-Crimp plug connector, socket contacts, rear panel-mount with O-ring environmental seal. Blind mate ±.030 allowable from centerline
- Contacts mapped 1-to-1 from I/O to B/L connector (unused B/L contacts not connected). For alternative wire schedules, please consult factory.
- Unused Cavities in connectors to be populated with contacts.
- B/L AlphaLink® SL interface dimensions IAW Glenair drawing 171-134-02. Interface shown for reference.

HOW TO ORDER	
Sample Part Number	796-113- 9-10 M E G -2 T -6 S
Basic Part Number	Rear Panel-Mount Micro-Crimp I/O Plug to Series 171 AlphaLink® SL
I/O Insert Arrangement	A-5, B-9, C013, D-15, E-19, F-23, J-33
I/O Shell Material/Finish	M = Aluminum / Electroless Nickel MT = Aluminum / Nickel PTFE E = Aluminum / Chem Film Z2 = Aluminum / Gold UC = Aluminum / Zinc Cobalt with Black Chromate J = Aluminum / Yellow Chromate over Cadmium NF = Aluminum / Cad OD over Electroless Nickel
EMI Spring	E = EMI Spring N = No EMI Spring
I/O Hardware Option	P - Jackposts G - Male Guide Pins S - Female Guide Sockets N - No Mating Hardware
AlphaLink® Finish	2 = Nickel 5 = Gold
AlphaLink® Hardware Option	T = Threaded thru hole Omit for thru hole
Assembly Length (L)	3 = 3.00 ± .05 inches 6 = 6.00 ± .05 inches 12 = 12.00 ± .05 inches
Optional Shielding	S = With shielding Omit for none



796-113 Rear panel mount environmental Micro-Crimp socket contact plug to AlphaLink® SL flex jumper



PF0-0001 Optical flex assembly, straight, loopback, or curve, with I/O connector options



HOW TO ORDER	
Sample Part Number	PF0-00001 -C -01 -01 -09 -12
Basic Part Number	Optical Flex Jumper Assembly
Shape	<p>L = Loopback S = Straight C = Curve</p> <p>Must fit in 12" X 12" area. Consult Glenair for custom design</p>
Connector A	-01 = MT Ferrule -04 = MPO -02 = SuperNine MT -05 = VITA 66.1 -03 = Series 79 MT -06 = VITA 66.4
Connector B	-01 = MT Ferrule -04 = MPO -02 = SuperNine MT -05 = VITA 66.1 -03 = Series 79 MT -06 = VITA 66.4
Fiber Size	-09 = 9.3/12.5µm Singlemode -09R = Radhard Singlemode -50 = 50/125µm Multimode -50R = Radhard Multimode -62 = 62.5/125µm Multimode -62R = Radhard Multimode
Number of Fibers	-12

Part numbering is for reference purposes only. A unique Glenair part number will be assigned.

PF0-0001 Optical flex assembly, straight, loopback, or curve, with I/O connector options

