

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.

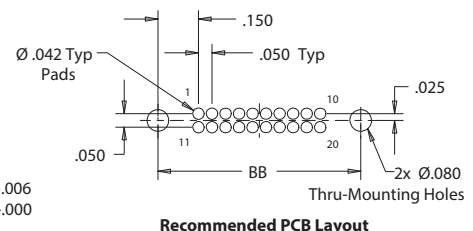
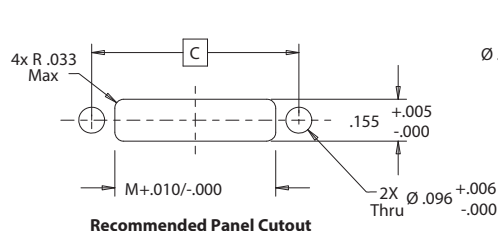
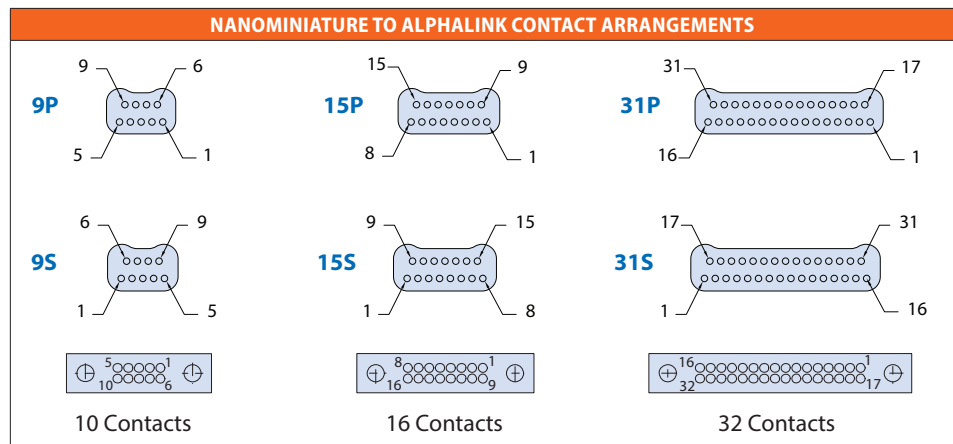
FLEX PERFORMANCE

- 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 $.01 \pm .005$ thick, rugged, potted, polyimide-based flex.
- Bend radius is 6X to 10X flex thickness.

NOTES

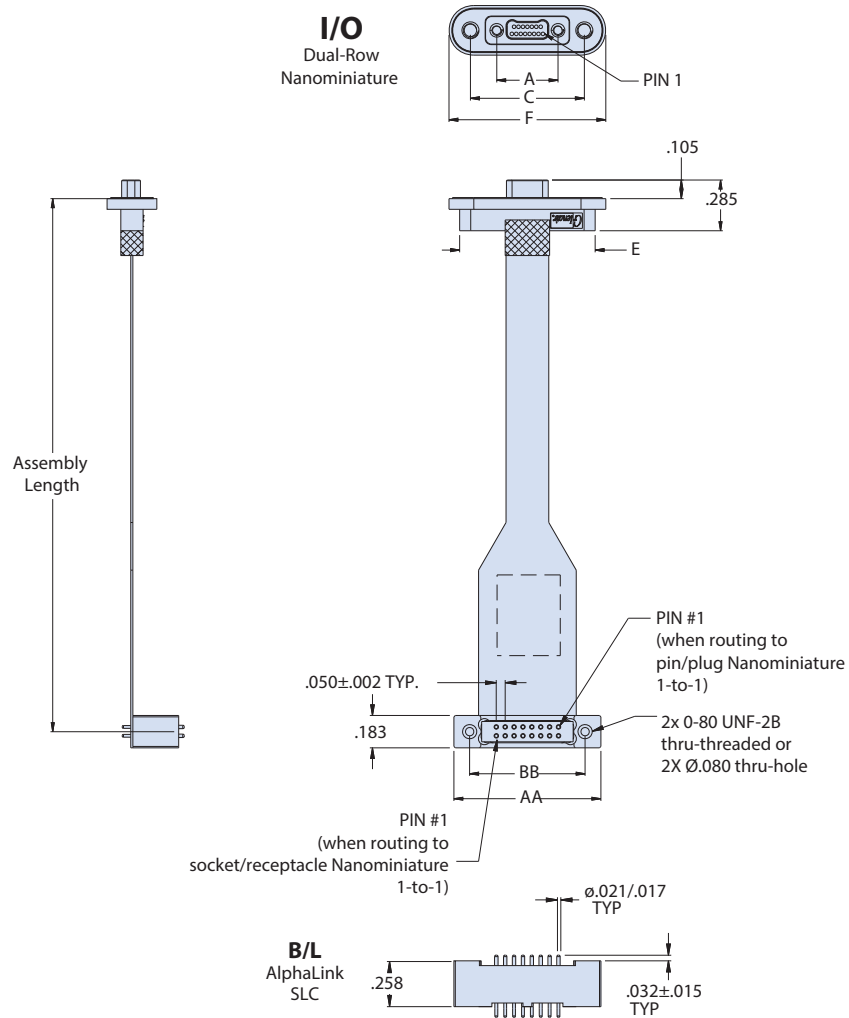
- I/O Series 89 receptacle performance IAW MIL-DTL-32139
- Contacts mapped 1-to-1 from I/O to B/L connector (unused B/L contacts not connected). For alternative wire schedules, please consult factory.
- Unused Cavities in connectors to be populated with contacts.
- B/L AlphaLink® SL interface dimensions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



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CONNECTOR DIMENSIONS



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)			