

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

HOW TO ORDER	
<b>Sample Part Number</b>	893-012 -19 N A2 -20 2 T -12 S
<b>Basic Part Number</b>	Series 89 Circular Nanominiature Breakaway I/O receptacle to Series 171 AlphaLink® SL
<b>I/O Contact Arrangement</b>	-4, -7, -19, -37, -44, -55
<b>I/O Polarization</b>	N = Normal A = Alternate
<b>I/O Shell and Spanner Nut Material and Finish</b>	A2 = Aluminum / Electroless Nickel A5 = Aluminum / Gold over Nickel S1 = Stainless Steel / Zinc Cobalt (Black) S2 = Stainless Steel / Passivated
<b>AlphaLink® Layout</b>	-4, -8, -20, -40
<b>AlphaLink® Finish</b>	2 = Nickel 5 = Gold
<b>AlphaLink Thru-Hole/Hardware Option</b>	T = Threaded thru hole Omit for thru hole
<b>Assembly Length (L)</b>	3 = 3.00 ± .05 inches 6 = 6.00 ± .05 inches 12 = 12.00 ± .05 inches
<b>Optional Shielding</b>	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

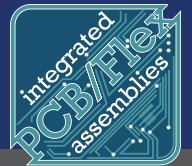
- I/O Series 89 receptacle performance IAW MIL-DTL-32139
- Contacts mapped 1-to-1 from I/O to B/L connector (unused B/L contacts not connected). For alternative wire schedules, please consult factory.
- Unused Cavities in connectors to be populated with contacts.
- B/L AlphaLink® SL interface dimensions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

CIRCULAR NANOMINIATURE TO ALPHALINK CONTACT ARRANGEMENTS		
<p><b>-4</b> (size 1, 4 contacts)</p> <p>4 contacts</p>	<p><b>-7</b> (size 1, 7 contacts)</p> <p>8 contacts</p>	<p><b>-19</b> (size 2, 19 contacts)</p> <p>20 contacts</p>
<p><b>-37</b> (size 3, 37 contacts)</p> <p>37 contacts</p>	<p><b>-44</b> (size 4, 44 contacts)</p> <p>40 contacts</p>	<p><b>-55</b> (size 4, 55 contacts)</p> <p>40 contacts</p>

To optimize the 40-contact AlphaLink connector, 40 contacts of a 44- or 55-contact size Circular Nanominiature connector can be used.

POLARIZATION POSITIONS		Layout	Polarization	A°	B°	Layout	Polarization	A°	B°
	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	

# TURNKEY Flex Jumper Assemblies



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