

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.

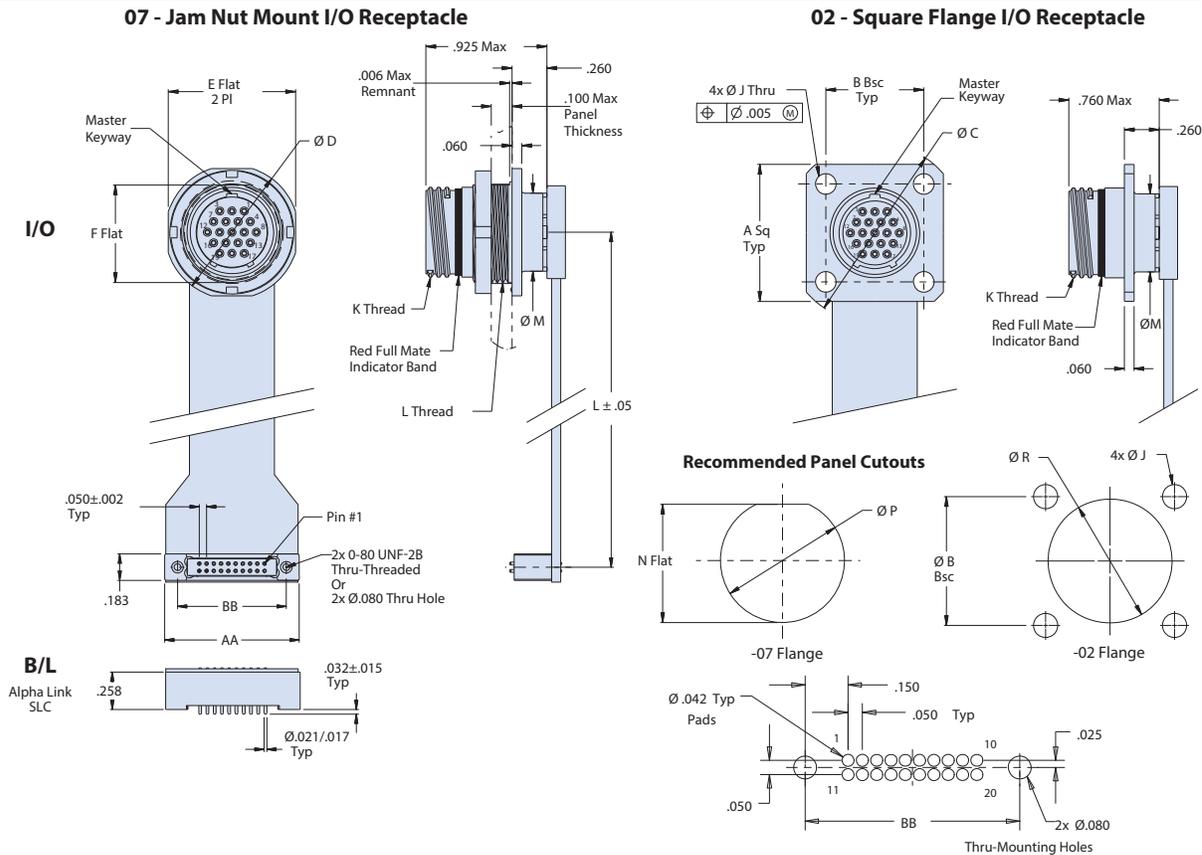
HOW TO ORDER	
Sample Part Number	801-110 -07 NF 10-26 P A -2 T -6 S
Basic Part Number	Sr. 801 Mighty Mouse I/O receptacle to Series 171 AlphaLink® SL
I/O Connector Style	02 = Square flange receptacle 07 = Jam nut receptacle
I/O Shell Material/Finish	C = Aluminum / Black Anodize M = Aluminum / Electroless 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

MIGHTY MOUSE TO ALPHALINK CONTACT ARRANGEMENTS			
<p>6-4</p> <p>4 Contacts</p>	<p>6-7</p> <p>8 Contacts</p>	<p>7-10</p> <p>10 Contacts</p>	<p>8-13</p> <p>16 Contacts</p>
<p>9-19</p> <p>20 Contacts</p>	<p>10-26</p> <p>28 Contacts</p>	<p>11-31</p> <p>32 Contacts</p>	<p>13-37</p> <p>40 Contacts</p>

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°

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CONNECTOR DIMENSIONS



Recommended PCB Layout

07 MIGHTY MOUSE JAM NUT I/O CONNECTOR									ALPHALINK SL B/L 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									ALPHALINK SL B/L CONNECTOR		
Arrangement	A Sq	B Bsc	ØC	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)	