



### Series 801 Connectors Offer Up To 71% Weight Savings and 52% Size Reduction When Compared to D38999 Series III Connectors.

The [Comparison Tables](#) on this page show the actual weight and size reductions that can be achieved by using Glenair Series 801 connectors instead of MIL-DTL-38999 Series III.

#### WEIGHT COMPARISON: SERIES 801 VS. D38999 SERIES III

Series 801 Layout	Number of Contacts	D38999 Layout	Number of Contacts	Series 801	D38999 Aluminum	% Weight Savings	D38999 Composite	% Weight Savings
5-3	3	9-98	3	7.9	25.3	69%	19.9	60%
6-7	7	9-35	6	9.8	26.3	63%	19.9	51%
9-19	19	13-35	22	18.8	50.7	63%	38.5	51%
13-37	37	15-35	37	36.0	72.1	50%	57.4	37%
16-55	55	17-35	55	49.8	81.6	39%	65.6	24%
17-85	85	21-35	79	54.3	119.7	55%	99.1	45%
21-130	130	25-35	128	68.7	159.3	57%	136.6	50%

Weights shown include contacts and represent a mated pair of plug and jam nut receptacle. Weights are in grams. D38999 weights are based on published data from a leading manufacturer.

#### SIZE COMPARISON: SERIES 801 VS. D38999 SERIES III

Series 801 Layout	Number of Contacts	D38999 Layout	Number of Contacts	Cable Plug Diameter					Jam Nut Receptacle Diameter				
				Series 801		D38999		% Reduction	Series 801		D38999		% Reduction
				In.	mm.	In.	mm.		In.	mm.	In.	mm.	
5-3	3	9-98	3	.540	13.72	.859	21.82	37%	.575	14.61	1.204	30.58	52%
6-7	7	9-35	6	.600	15.24	.859	21.82	30%	.635	16.13	1.204	30.58	47%
9-19	19	13-35	22	.810	20.57	1.156	29.36	30%	.830	21.08	1.516	38.51	45%
13-37	37	15-35	37	1.050	26.67	1.281	32.54	18%	1.078	27.38	1.641	41.68	34%
16-55	55	17-35	55	1.240	31.50	1.406	35.71	12%	1.264	32.11	1.766	44.86	28%
17-85	85	21-35	79	1.300	33.02	1.641	41.68	21%	1.325	33.66	2.078	52.78	36%
21-130	130	25-35	128	1.550	39.37	1.890	48.01	18%	1.625	41.28	2.323	59.00	30%

Dimensions in inches (millimeters) and are subject to change without notice.

**Series 801 Mighty Mouse  
Double-Start ACME Threads  
Connector Weights**



**SERIES 801 CONNECTOR WEIGHTS**

Contact Arr.	Cable Plug	J/N Recep Crimp	J/N Recep PCB	Sq. Flange Recep Crimp	Sq. Flange Recep PCB
5-3P	4.4	3.4	3.6	2.0	2.2
5-3S	4.5	3.5	3.7	2.0	2.4
6-1P	5.6	4.3	4.6	2.7	2.9
6-1S	5.9	4.6	4.9	3.0	3.2
6-4P	5.6	4.3	4.6	2.7	2.9
6-4S	5.8	4.5	4.7	2.8	3.0
6-7P	5.4	4.1	4.6	2.9	3.4
6-7S	5.6	4.4	4.7	3.2	3.5
7-1P	7.8	6.5	7.2	4.5	5.2
7-1S	8.3	7.0	7.7	5.0	5.7
7-10P	7.6	6.3	7.7	4.3	5.0
7-10S	8.0	6.7	7.0	4.7	5.2
8-2P	8.9	7.7	7.2	5.6	6.8
8-2S	9.6	8.4	8.7	6.3	7.5
8-13P	8.3	7.1	9.4	5.0	6.2
8-13S	8.9	7.6	8.1	5.6	6.5
8-200P	9.2	8.0	8.5	5.9	7.1
8-200S	9.8	8.6	9.0	6.5	7.7
9-4P	10.9	8.7	10.7	7.6	8.6
9-4S	11.8	10.6	11.6	8.5	9.5
9-19P	10.1	7.9	9.2	5.8	7.1
9-19S	10.9	8.7	9.7	6.6	7.6
9-200P	10.4	9.2	10.2	7.1	8.1
9-200S	11.4	10.2	11.2	8.1	9.1
9-201P	9.6	8.4	9.4	6.6	7.6
9-201S	11.5	10.3	11.3	8.2	9.2
10-5P	15.8	12.6	13.5	14.1	12.8
10-5S	17.1	13.9	14.8	15.4	14.1
10-26P	14.2	11.0	11.9	12.5	8.7
10-26S	15.3	12.1	12.5	16.7	9.2
10-200	15.0	11.8	12.7	13.3	10.0
10-200	16.3	13.1	14.0	14.6	11.3
10-201P	15.3	12.1	13.3	13.6	10.3

Contact Arr.	Cable Plug	J/N Recep Crimp	J/N Recep PCB	Sq. Flange Recep Crimp	Sq. Flange Recep PCB
10-201S	16.7	13.5	14.4	15.0	11.7
10-202P	14.9	11.7	12.6	13.2	9.9
10-202S	16.3	13.1	14.0	14.6	11.3
13-2P	18.9	17.2	17.2	17.2	15.1
13-2S	20.4	18.7	18.7	18.7	16.6
13-3P	19.8	18.1	18.1	18.1	16.0
13-3S	21.4	19.7	19.7	19.7	17.6
13-7P	20.0	18.3	18.3	18.3	16.2
13-7S	22.4	20.7	20.7	20.7	18.6
13-37P	18.4	16.7	16.7	16.7	14.6
13-37S	19.9	17.6	17.6	17.6	15.5
13-200P	19.0	17.3	17.3	17.3	15.2
13-200S	21.1	19.4	19.4	19.4	17.3
13-201P	19.1	17.4	17.4	17.4	15.3
13-201S	21.3	19.6	19.6	19.6	17.5
16-5P	28.5	22.6	24.4	25.4	23.0
16-5S	31.2	25.3	28.1	28.1	25.7
16-12P	29.2	23.3	26.1	26.1	23.7
16-12S	32.5	26.6	29.4	29.4	27.0
16-55P	26.5	20.6	24.3	24.3	21.9
16-55S	29.2	23.3	26.1	26.1	23.7
17-7P	29.8	27.0	29.4	29.4	25.2
17-7S	33.0	30.2	32.6	32.6	28.4
17-14P	32.6	29.8	32.2	32.2	28.0
17-14S	32.3	29.5	31.9	31.9	27.7
17-85P	28.1	23.2	29.0	29.0	25.3
17-85S	31.0	26.2	30.6	30.6	26.4
21-12P	35.0	31.4	34.4	26.4	31.4
21-12S	39.6	36.0	39.0	31.0	36.0
21-22P	37.3	33.7	36.7	28.7	33.7
21-22S	43.6	40.0	43.0	35.0	40.0
21-130P	32.9	29.3	32.3	24.3	29.3
21-130S	39.4	35.8	38.8	30.8	35.8

Maximum connector weight in grams.

Dimensions in inches (millimeters) and are subject to change without notice.