

Series 801

D38999

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	7.8	27.2	71%	21.7	64%
6-7	7	9-35	6	9.5	25.6	63%	19.9	52%
9-19	19	13-35	22	18.0	45.9	61%	38.5	53%
13-37	37	15-35	37	32.5	65.3	50%	57.4	43%
16-55	55	17-35	55	47.1	78.5	40%	65.6	28%
17-85	85	21-35	79	51.3	112.4	54%	99.1	48%
21-130	130	25-35	128	75.6	159.3	53%	136.6	45%

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%



SERIES 801 DOUBLE-START ACME THREAD

Mighty Mouse Connectors and Cables

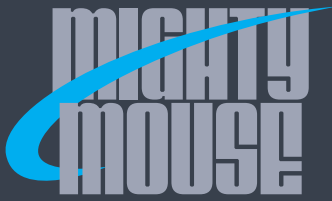
Connector Weights



Series 801 Connector Weights (maximum connector weight in grams)					
Contact Arr.	Cable Plug	Jam-Nut Recep Crimp	Jam-Nut Recep PCB	Square Flange Recep Crimp	Square Flange Recep PCB
5-3P	4.8	3.7	4	2.2	2.4
5-3S	5	3.9	4.1	2.2	2.6
6-1P	6.2	4.7	5.1	3	3.2
6-1S	6.5	5.1	5.4	3.3	3.5
6-4P	6.2	4.7	5.1	3	3.2
6-4S	6.4	5	5.2	3.1	3.3
6-6P	6.3	4.7	5.1	2.9	3.2
6-6S	6.5	5.1	5.4	3.1	3.5
6-7P	5.9	4.5	5.1	3.2	3.7
6-7S	6.2	4.8	5.2	3.5	3.9
6-23P	6.2	4.8	5.1	3	4
6-23S	6.6	5.2	5.4	3.2	4.3
7-1P	8.6	7.2	7.9	5	5.7
7-1S	9.1	7.7	8.5	5.5	6.3
7-10P	8.4	6.9	7.7	4.7	5.5
7-10S	8.8	7.4	7.9	5.2	5.7
7-25P	7.9	7.1	7.8	4.8	5.6
7-25S	8.3	7.7	8.3	5.5	6.1
8-1P	12.6	11.3	12.4	9	10.3
8-1S	15.1	13.6	15	11.4	13
8-2P	9.8	8.5	9.6	6.2	7.5
8-2S	10.6	9.2	10.3	6.9	8.3
8-28P	10	8.7	10.2	6.4	8.1
8-28S	11.1	9.7	10.9	7.4	8.9
8-13P	9.1	7.8	8.9	5.5	6.8
8-13S	9.8	8.4	9.4	6.2	7.2
8-200P	10.1	8.8	9.9	6.5	7.8
8-200S	10.8	9.5	10.6	7.2	8.5
9-4P	12	9.6	11.8	8.4	9.5
9-4S	13	11.7	12.8	9.4	10.5
9-19P	11.1	8.7	10.1	6.4	7.8
9-19S	12	9.6	10.7	7.3	8.4
9-200P	11.4	10.1	11.2	7.8	8.9
9-200S	12.5	11.2	12.3	8.9	10
9-201P	10.6	9.2	10.3	7.3	8.4
9-201S	12.7	11.3	12.4	9	10.1
9-210P	11.8	9.4	11.3	8.2	9
9-210S	13	11.7	12.5	9.4	10.2
10-2P	17.1	13.6	13.9	15.2	13.1
10-2S	18.4	14.9	15.5	16.5	14.7
10-5P	17.4	13.9	14.9	15.5	14.1
10-5S	18.8	15.3	16.3	16.9	15.5

Series 801 Connector Weights (maximum connector weight in grams)					
Contact Arr.	Cable Plug	Jam-Nut Recep Crimp	Jam-Nut Recep PCB	Square Flange Recep Crimp	Square Flange Recep PCB
10-26P	15.6	12.1	13.1	13.8	9.6
10-26S	16.8	13.3	13.8	18.4	10.1
10-200P	16.5	13	14	14.6	11
10-200S	17.9	14.4	15.4	16.1	12.4
10-201P	16.8	13.3	14.3	15	11.3
10-201S	18.4	14.9	15.8	16.5	12.9
10-202P	16.4	12.9	13.9	14.5	10.9
10-202S	17.9	14.4	15.4	16.1	12.4
11-31P	19.2	15	16.9	16.6	16.1
11-31S	21.5	16.9	18.3	18.5	17.5
13-2P	20.8	18.9	18.9	18.9	16.6
13-2S	22.4	20.6	20.6	20.6	18.3
13-3P	21.8	19.9	19.9	19.9	17.6
13-3S	23.5	21.7	21.7	21.7	19.4
13-7P	22	20.1	20.1	20.1	17.8
13-7S	24.6	22.8	22.8	22.8	20.5
13-37P	20.2	18.4	18.4	18.4	16.1
13-37S	21.9	19.4	19.4	19.4	17.1
13-200P	20.9	19	19	19	16.7
13-200S	23.2	21.3	21.3	21.3	19
13-201P	21	19.1	19.1	19.1	16.8
13-201S	23.4	21.6	21.6	21.6	19.3
13-202P	20.9	19	20.3	19	18
13-202S	22.8	21	21.9	21	19
13-203P	21.2	19.3	20.8	19.3	18.5
13-203S	23.1	21.3	22.3	21.3	20
13-204P	21.3	19.4	20.6	19.4	18.3
13-204S	23.1	21.3	22.3	21.3	20
13-205P	22.4	20.5	22.4	20.5	20.1
13-205S	24.2	22.4	24.4	22.4	22.1
13-220P	21.6	19.7	21.2	19.7	18.9
13-220S	23.9	22.1	23.1	22.1	20.8
16-2P	34.7	28.2	29.1	31.2	26.5
16-2S	40.7	34.2	35.6	37.3	33
16-5P	31.4	24.9	27.9	27.9	25.3
16-5S	34.3	27.8	30.9	30.9	28.3
16-12P	32.1	25.6	28.7	28.7	26.1
16-12S	35.8	29.3	32.3	32.3	29.7
16-204P	30.1	23.6	27.7	26.6	32.4
16-204S	33.5	27	30.2	30.1	35.5
16-205P	30.4	23.9	28.2	26.9	32.9
16-205S	33.8	26.4	30.6	30.4	35.9

SERIES 801 DOUBLE-START MATING



SERIES 801 DOUBLE-START ACME THREAD Mighty Mouse Connectors and Cables

Connector Weights



Series 801 Connector Weights (maximum connector weight in grams)					
Contact Arr.	Cable Plug	Jam-Nut Recep Crimp	Jam-Nut Recep PCB	Square Flange Recep Crimp	Square Flange Recep PCB
16-206P	30.6	24.1	28.3	27.1	33
16-206S	33.9	26.5	30.9	30.5	36.2
16-207P	31.4	24.9	29.2	27.9	33.9
16-207S	34.7	27.3	32.1	31.3	37.4
16-208P	32.6	26.1	29.4	29.1	34.1
16-208S	37.5	30.1	33.8	34.1	39.1
16-235P	31.7	25.2	29.7	28.2	34.4
16-235S	35.7	28.3	32.8	32.3	38.1
16-55P	29.2	22.7	26.7	26.7	24.1
16-55S	32.1	25.6	28.7	28.7	26.1
17-3P	38.2	35.1	34.9	37.7	30.3
17-3S	46.4	43.3	43.8	46	39.1
17-7P	32.8	29.7	32.3	32.3	27.7
17-7S	36.3	33.2	35.9	35.9	31.2
17-14P	35.9	32.8	35.4	35.4	30.8
17-14S	35.5	32.5	35.1	35.1	30.5
17-203P	30.7	27.6	30.8	30.2	36.4
17-203S	34.8	31.7	33.6	34.4	39.9
17-204P	31.3	28.2	31.8	30.8	36.9
17-204S	35.7	32.6	35.1	35.3	41.4
17-205P	32.9	29.8	32	32.4	37.1
17-205S	38.5	35.4	36.8	38.1	43.1
17-241P	32.3	29.2	32.8	31.8	37.9
17-241S	37.1	34	36.4	36.7	42.7
17-85P	30.9	25.5	31.9	31.9	36.7
17-85S	34.1	28.8	33.7	33.7	38.8
19-4P	44.8	41.7	42.3	44.3	47.4
19-4S	54.7	51.6	53.3	54.3	59.6
19-19P	37.3	34.2	39.9	36.8	45
19-19S	41.1	38	42.8	40.7	49.2
19-201P	39.7	36.6	40	39.2	45.1
19-201S	47	43.9	46.9	46.6	53.2
19-202P	45.3	42.2	44	44.8	55.7
19-202S	55.4	52.3	55	55	62.5
19-255P	37.1	34	39.6	36.6	44.7
19-255S	42.4	39.3	43.5	42	49.8
19-100P	35	31.9	39.3	33.1	41.2
19-100S	40.1	37	42.1	37.2	43.4
21-5P	47.3	43.3	41.7	20.5	38.4
21-5S	60.2	56.2	55.7	24.9	52.4
21-12P	38.5	34.5	37.8	29	34.5
21-12S	43.6	39.6	42.9	34.1	39.6
21-22P	41	37.1	40.4	31.6	37.1

Series 801 Connector Weights (maximum connector weight in grams)					
Contact Arr.	Cable Plug	Jam-Nut Recep Crimp	Jam-Nut Recep PCB	Square Flange Recep Crimp	Square Flange Recep PCB
21-22S	48	44	47.3	38.5	44
21-200P	44.9	40.9	41.3	35.4	38
21-200S	56.7	52.7	53.2	47.2	49.9
21-269P	37.6	33.6	38.3	28.1	35
21-269S	44.8	40.8	43.4	35.3	40.1
21-130P	36.2	32.2	35.5	37.4	42.8
21-130S	43.3	39.4	42.7	42	45.2