

Formerly MIL-C-5015 Types A and B

See page 429 for dimension table. MS receptacles mate with MS mating plugs that are on the same line in the table below. *Standard shells have cadmium plating with drab olive chromate finish. In shell sizes 12S, 14S, 16, 16S, 18, 20, 22, 24, and 28, clear chromate over cadmium plating (639), black zinc over zinc plating (621), or electroless nickel plating (689) are also available. Add the shell finish identification to the end of part number to specify a shell finish other than drab olive. *notes the shell styles that are available with all four of these finish choices.

UL Approved File # E 115497

CSA Certified File # LR 69183

MS Receptacles

No. of Contacts	Shell Size and Insert	97-3100A*		97-3101A*		97-3102A*	
		EACH		EACH		EACH	
		1-9	10-49	1-9	10-49	1-9	10-49
7	24-10S	45.02	30.87	45.15	30.98	33.09	27.08
9	24-11P	25.21	21.01	30.21	24.17	18.99	15.54
9	24-11S	31.89	26.57	33.97	28.31	26.41	21.61
5	24-12P	55.14	40.72	55.21	44.16	47.11	36.56
5	24-12S	68.94	50.90	69.03	55.22	61.87	48.00
7	24-16P	43.15	31.86	43.25	34.61	34.34	26.64
7	24-16S	59.95	40.52	52.42	41.93	37.41	31.18
12	24-19P	34.52	28.76	34.56	28.80	35.44	24.40
12	24-19S	54.94	37.59	55.03	37.64	33.12	27.09
11	24-20P	28.62	19.81	28.72	21.59	19.19	13.41
11	24-20S	28.70	19.93	30.07	21.73	19.70	16.12
10	24-21P	41.05	30.32	41.16	32.92	26.00	21.27
10	24-21S	44.98	33.22	45.05	36.05	29.33	24.00
4	24-22P	32.16	22.19	32.20	22.25	20.58	16.84
4	24-22S	33.19	27.66	33.23	27.69	30.17	20.85
7	24-27P	41.85	28.74	25.60	21.34	25.38	17.62
7	24-27S	42.92	29.48	28.49	23.31	21.85	17.48
24	24-28P	26.47	21.66	26.52	21.70	19.63	15.71
24	24-28S	29.47	24.11	29.51	24.15	23.00	18.40
9	28-1P	50.66	37.40	55.42	44.35	43.77	33.97
9	28-1S	70.13	51.79	74.90	59.92	64.53	50.08
14	28-2P	31.22	21.58	34.55	24.96	19.72	16.13
14	28-2S	33.08	22.85	36.37	26.20	24.67	17.16
3	28-3P	45.65	33.73	50.42	40.33	38.43	29.82
3	28-3S	49.74	36.73	54.51	43.61	42.78	33.20
3	28-6P	39.58	29.21	44.35	35.48	31.94	24.77
3	28-6S	44.67	32.98	49.43	39.54	27.95	23.29
12	28-8P	43.38	32.02	48.14	38.51	35.99	27.93
12	28-8S	45.65	33.73	50.42	40.33	38.43	29.82
12	28-9P	56.25	38.46	61.68	42.16	40.78	28.04
12	28-9S	61.33	41.90	66.88	45.66	45.72	31.37
7	28-10P	57.94	42.79	62.72	50.18	51.57	40.01
7	28-10S	75.78	55.95	80.55	64.44	70.56	54.75
22	28-11P	31.58	21.81	28.02	22.92	21.83	17.46
22	28-11S	37.94	26.10	40.72	30.38	26.75	21.88
26	28-12P	32.66	22.51	30.07	25.06	24.33	19.46
26	28-12S	34.66	26.10	39.42	31.54	28.02	22.42
35	28-15P	36.50	25.15	37.72	30.86	25.34	20.73
35	28-15S	35.37	29.48	44.91	33.25	30.44	24.91
20	28-16P	27.30	22.75	31.60	25.85	21.68	17.74
20	28-16S	32.66	24.81	34.25	27.40	26.24	18.82
15	28-17P	53.77	36.34	36.66	30.55	37.59	25.40
15	28-17S	57.60	38.95	39.39	32.83	41.39	27.99
12	28-18P	24.21	20.18	28.56	23.37	18.04	14.76
12	28-18S	32.27	24.56	30.92	25.30	20.79	17.01
10	28-19P	51.45	35.22	46.16	34.62	28.06	22.96
10	28-19S	62.18	42.49	59.38	44.53	47.83	32.35
14	28-20P	31.95	23.91	35.15	25.84	20.99	17.17
14	28-20S	35.26	26.59	38.53	28.27	27.42	19.70
37	28-21P	33.30	27.24	36.22	29.64	27.51	22.01
37	28-21S	37.63	30.79	43.76	35.01	36.97	25.50
2	32-5P	44.38	34.37	47.45	37.50	33.80	25.17
2	32-5S	49.31	35.94	51.88	41.20	38.33	28.66
23	32-6P	35.76	30.25	49.06	40.59	28.49	24.10
23	32-6S	61.74	51.09	67.74	56.06	42.02	35.56
35	32-7P	58.86	48.72	64.86	53.67	50.12	40.10
35	32-7S	68.79	57.32	84.82	70.19	70.09	56.06
30	32-8P	43.39	29.80	46.07	34.02	34.66	23.90
30	32-8S	44.14	30.29	39.35	32.79	35.26	24.29
23	32-13P	40.41	33.46	46.41	38.41	31.71	25.36
23	32-13S	46.52	38.49	52.99	43.86	38.24	30.61
4	32-17P	86.67	71.72	92.65	76.68	58.26	48.55
4	32-17S	96.76	80.06	75.32	62.76	65.69	54.74
52	32-414P	54.26	45.22	73.70	56.70	57.07	40.87
52	32-414S	73.34	61.11	98.67	75.89	65.69	54.74
22	36-1P	64.69	53.54	66.20	54.78	45.23	37.71
22	36-1S	63.60	56.11	66.73	56.46	67.08	55.91
4	36-5P	133.53	110.49	135.06	111.77	111.33	92.79
4	36-5S	163.28	135.13	164.82	136.40	139.90	116.59
6	36-6P	87.96	72.80	89.49	74.06	55.84	47.25
6	36-6S	108.20	89.54	109.75	90.83	87.02	72.51
47	36-7P	49.52	41.90	70.37	58.23	49.26	41.05
47	36-7S	76.22	63.07	77.73	64.32	56.29	46.92
47	36-8P	94.61	78.30	96.14	79.58	73.99	61.66
47	36-8S	103.14	85.36	104.67	86.63	82.18	68.48
31	36-9P	118.33	97.92	112.51	93.11	96.72	80.59
31	36-9S	148.24	122.67	149.77	123.94	125.47	104.56
48	36-10P	53.40	38.90	54.59	41.31	33.68	28.07
48	36-10S	46.31	39.18	48.02	40.02	37.29	31.08
35	36-15P	90.28	61.03	56.22	46.85	63.68	43.03
35	36-15S	99.26	67.12	82.65	61.98	72.78	49.20
52	36-403P	118.37	97.95	119.84			