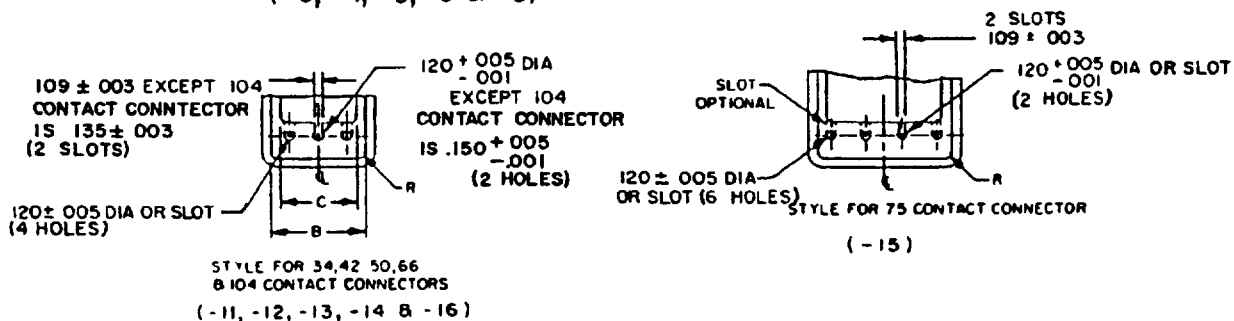
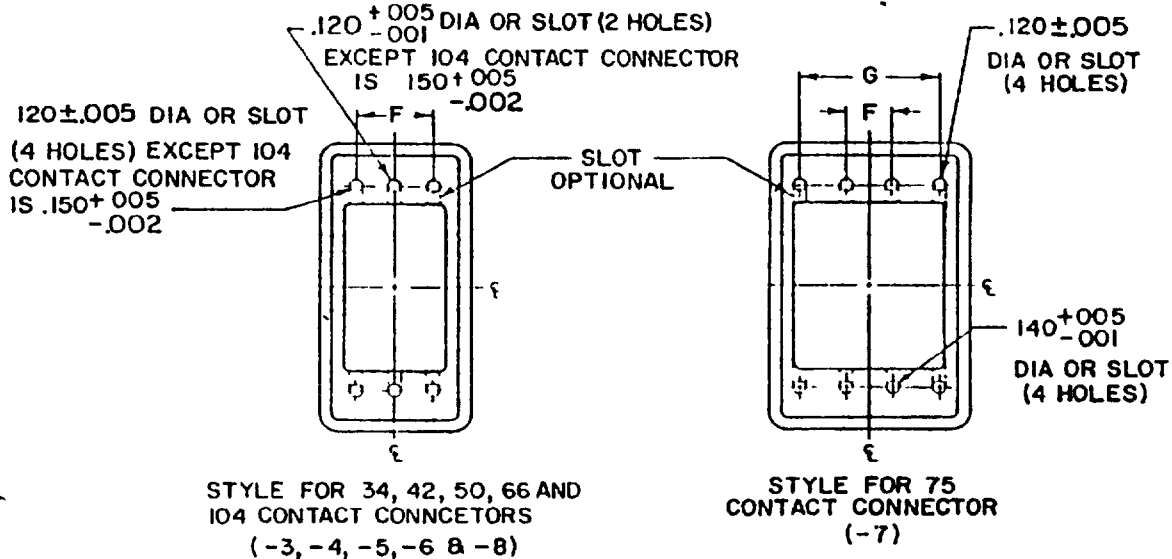
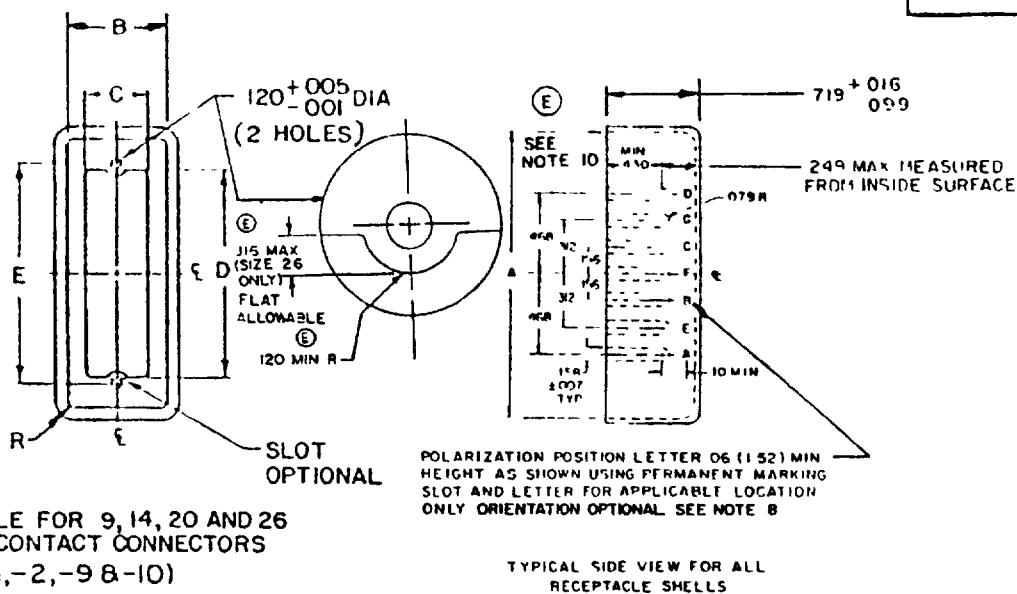


THE REQUIREMENTS FOR ACQUIRING THE PRODUCT(S) DESCRIBED HEREIN SHALL CONSIST OF THE SPECIFICATION SHEET AND THE ISSUE OF THE FOLLOWING SPECIFICATION LISTED IN THAT ISSUE OF THE DODSS SPECIFIED IN THE SOLICITATION MIL-C-28748



DESIGN STANDARD FOR USE WITH MIL-C-28748 CONNECTORS.

(E) denotes changes

PREPARING ACTIVITY Navy - EC
CUSTODIANS ARMY CR NAVY -
AIR FORCE - 85 DLA
REVIEW Army-AT, MI; Navy-AS,
Air Force-11, 80; DLA-ES
USER Army-AM, AR, ME Navy-MC
PROJECT NUMBER 5935-3772-05

MILITARY SPECIFICATION SHEET
TITLE
SHELL, ELECTRICAL CONNECTOR,
RECEPTACLE, RECTANGULAR,
POLARIZING

SPECIFICATION SHEET NUMBER
MS18204 26 April 1990
SUPERSEDING
MS18204 3 June 1976
AMSC N/A FSC 5935

DISTRIBUTION STATEMENT

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Page 1 of 2

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TABLE I Shell dimensions.

Form Approved
OMB No 0704 0188

MS part number	Connector size (number of contacts)	A min	B min	C min	D min	E ±.005	F ±.005	G ±.005	R
MS18204-1()	14	1.388	.575	.440	.800	.938	---	---	.141
-2()	20	1.702	.575	.440	1.097	1.250	---	---	.141
-3()	34	2.138	.888	.745	1.400	1.688	.468	---	.141
-4()	42	2.450	.888	.745	1.700	2.000	.468	---	.141
-5()	50	2.856	1.015	.745	2.026	2.281	.468	---	.188 1/
-6()	66	2.420	1.254	1.115	1.696	1.969	.500	---	.375
-7()	75	2.855	1.370	1.104	2.026	2.281	.234	.766	.203
-8()	104	2.900	1.680	1.476	2.073	2.375	.875	---	.422
-9()	9	1.448	.512	.375	.864	1.000	---	---	.141
-10()	26	1.763	.696	.565	1.182	1.312	---	---	.141
-11()	34	2.138	.888	.745	1.400	1.688	.468	---	.141
-12()	42	2.450	.888	.745	1.700	2.000	.468	---	.141
-13()	50	2.856	1.015	.745	2.026	2.281	.468	---	.188 1/
-14()	66	2.420	1.264	1.115	1.696	1.969	.500	---	.375
-15()	75	2.855	1.370	1.104	2.026	2.281	.234	.766	.203
-16()	104	2.900	1.680	1.476	2.073	2.375	.875	---	.422

1/ Tolerance +.020, -.016.

Inches	mm	Inches	mm	Inches	mm	Inches	mm
.001	0.03	.188	4.78	.800	20.32	1.476	37.49
.002	0.05	.203	5.16	.864	21.94	1.680	42.67
.003	0.08	.234	5.94	.875	22.22	1.688	42.88
.005	0.13	.249	6.32	.888	22.56	1.696	43.08
.007	0.18	.312	7.92	.938	23.82	1.700	43.18
.016	0.41	.375	9.52	1.000	25.40	1.702	43.23
.020	0.51	.422	10.72	1.015	25.78	1.763	44.78
.06	1.52	.430	10.92	1.097	27.86	1.969	50.01
.099	2.51	.440	11.18	1.104	28.04	2.000	50.80
.10	2.54	.468	11.89	1.115	28.32	2.026	51.46
.109	2.77	.500	12.70	1.182	30.02	2.073	52.65
.116	2.94	.512	13.00	1.250	31.75	2.138	54.30
.120	3.05	.565	14.35	1.264	32.10	2.281	57.94
.135	3.43	.575	14.60	1.312	33.32	2.375	60.32
.140	3.56	.696	17.68	1.370	34.80	2.420	61.47
.141	3.58	.719	18.26	1.388	35.26	2.450	62.23
.150	3.81	.745	18.92	1.400	35.56	2.855	72.52
.156	3.96	.766	19.46	1.448	36.78	2.856	72.54
.158	4.01					2.900	73.66

NOTES:

- Dimensions are in inches.
- Unless otherwise specified, tolerance is ±.016 (0.41 mm).
- Metric equivalents are given for general information only.
- Material: Aluminum alloy in accordance with QQ-A-250/8, temper 0, or QQ-A-250/1, temper H12, .040 (1.02 mm) thick.
- Finish: Anodize in accordance with MIL-A-8625, type I or type II.
- Referenced documents shall be of the issue in effect on date of invitation for bid.
- For design feature purposes, this standard takes precedence over procurement documents referenced herein.
- The MS part number includes the polarization letter from figure. Omit letter if polarization is not required. Example: MS18204-1().
- MS18204-11, -12, -13, -14, -15, and -16 are not used with one piece jackscrew shields of MS24133.
- Each slot may vary ±.005 (0.13 mm) from the centerline.
- Design standard only: Parts described by this MS sheet will not be stocked by the Government.

PREPARING ACTIVITY Navy - EC
CUSTODIANS ARMY - CR NAVY
AIR FORCE - 85 DLA
Army-AT,MI; Navy-AS;
REVIEW Air Force-11,80; DLA-ES
USER Army-AM,AR,ME; Navy-MC
PROJECT NUMBER 5935-3772-05

MILITARY SPECIFICATION SHEET
TITLE
SHELL, ELECTRICAL CONNECTOR,
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AMSC N/A

FSC 5935

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