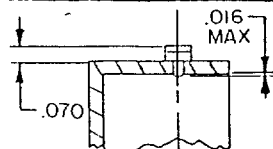


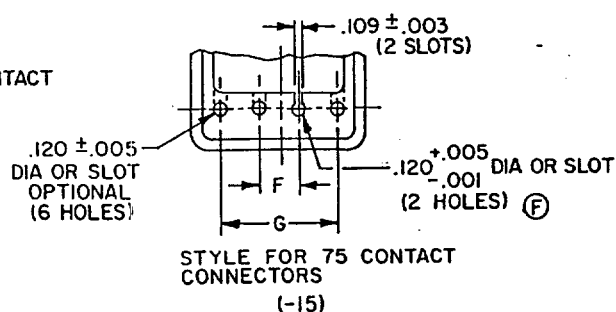
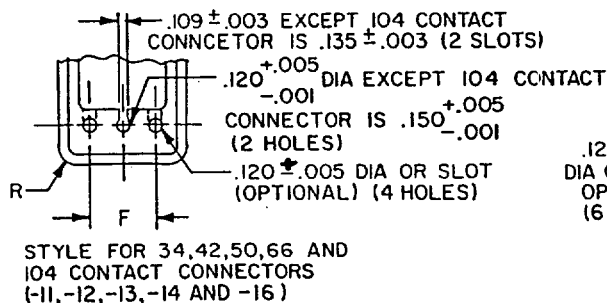
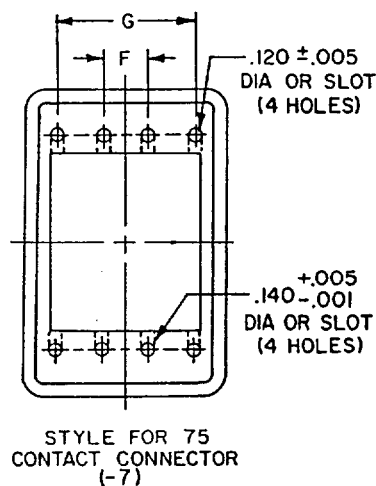
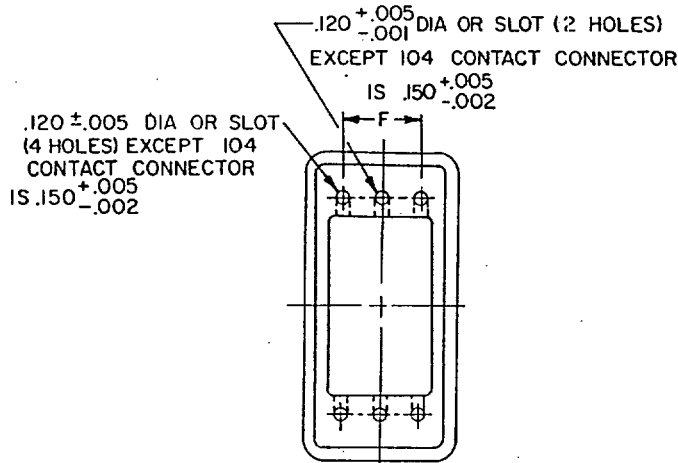
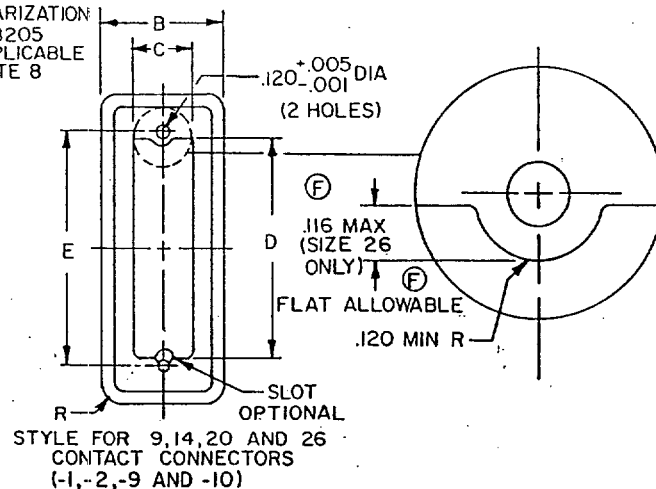
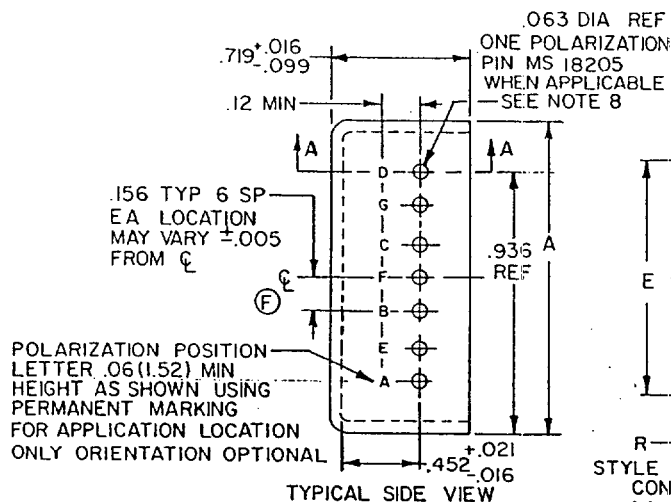
THE REQUIREMENTS FOR ACQUIRING THE PRODUCT(S) DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE ISSUE OF THE FOLLOWING SPECIFICATION LISTED IN THAT ISSUE OF THE DODISS SPECIFIED IN THE SOLICITATION: MIL-C-28748.

THIS SPECIFICATION IS APPROVED FOR USE BY all Departments and Agencies of the Department of Defense.

Form Approved
OMB No. 0704-0188



MS 18205 PIN
SECTION A-A



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

(F) denotes changes

PREPARING ACTIVITY: Navy - EC
CUSTODIANS: ARMY - CR NAVY -
AIR FORCE - 85 DLA -
Army-AT, MI; Navy-AS
REVIEW: Air Force-11, 99; DLA-ES
USER: Army-AM, AR, ME; Navy-MC, OS, SH, YD
PROJECT NUMBER: 5935-3772-04

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

SPECIFICATION SHEET NUMBER
MS18203 F 26 April 1990
SUPERSEDING
MS18203 2 August 1982
AMSC N/A FSC 5935

DISTRIBUTION STATEMENT

Approved for public release; distribution is unlimited.

Page 1 of 2

TABLE I. Shell dimensions.

MS part number	Connector size (number of contacts)	A max	B max	C min	D min	E ±.005	F ±.005	G ±.005	R
MS18203-1()	14	1.380	.567	.440	.800	.938	---	---	.141
-2()	20	1.700	.567	.440	1.097	1.250	---	---	.141
-3()	34	2.130	.880	.745	1.400	1.688	.468	---	.141
-4()	42	2.442	.880	.745	1.700	2.000	.468	---	.141
-5()	50	2.846	1.005	.745	2.026	2.281	.468	---	.188
-6()	66	2.410	1.254	1.115	1.696	1.969	.500	---	.375
-7()	75	2.850	1.365	1.104	2.026	2.281	.234	.766	.187
-8()	104	2.890	1.670	1.476	2.073	2.375	.875	---	.422
-9()	9	1.440	.500	.375	.864	1.000	---	---	.141
-10()	26	1.755	.688	.565	1.182	1.312	---	---	.141
-11()	34	2.130	.880	.745	1.400	1.688	.468	---	.141
-12()	42	2.442	.880	.745	1.700	2.000	.468	---	.141
-13()	50	2.846	1.005	.745	2.026	2.281	.468	---	.188
-14()	66	2.410	1.254	1.115	1.696	1.969	.500	---	.375
-15()	75	2.850	1.365	1.104	2.026	2.281	.234	.766	.187
-16()	104	2.890	1.670	1.476	2.073	2.375	.875	---	.422

Inches	mm	Inches	mm	Inches	mm	Inches	mm
.001	0.03	.187	4.75	.875	22.22	1.476	37.49
.003	0.08	.188	4.78	.880	22.35	1.670	42.42
.005	0.13	.234	5.94	.936	23.77	1.688	42.88
.016	0.41	.375	9.52	.938	23.82	1.696	43.08
.021	0.53	.422	10.72	1.000	25.40	1.700	43.18
.060	1.52	.440	11.18	1.005	25.53	1.755	44.58
.063	1.60	.452	11.48	1.097	27.86	1.969	50.01
.070	1.78	.468	11.89	1.104	28.04	2.000	50.80
.099	2.51	.500	12.70	1.115	28.32	2.026	51.46
.104	2.64	.565	14.35	1.182	30.02	2.073	52.65
.109	2.77	.567	14.40	1.250	31.75	2.130	54.10
.116	2.95	.688	17.48	1.254	31.85	2.281	57.94
.120	3.05	.719	18.26	1.312	33.32	2.375	60.32
.135	3.43	.745	18.92	1.365	34.67	2.410	61.21
.140	3.56	.766	19.46	1.380	35.05	2.442	62.03
.141	3.58	.800	20.32	1.400	35.56	2.846	72.29
.150	3.81	.864	21.94	1.440	36.58	2.850	72.39
.156	3.96					2.890	73.41

NOTES:

- Dimensions are in inches.
- Unless otherwise specified, tolerance is ± 0.016 (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: MS18203-1-().
- MS18203-11, -12, -13, -14, -15, and -16 are not used with one piece jackscrew shields of MS24133.
- Design standard only: Parts described by this MS sheet will not be stocked by the Government.

PREPARING ACTIVITY: Navy - EC CUSTODIANS: ARMY - EC NAVY - AIR FORCE - 85 DLA - Army-AT,MI; Navy-AS REVIEW: Air Force-11,99; DLA-ES USER: Army-AM,AR,ME; Navy-MC,OS,SH, D PROJECT NUMBER:	MILITARY SPECIFICATION SHEET TITLE SHELL, ELECTRICAL, CONNECTOR, PLUG, RECTANGULAR, POLARIZING	SPECIFICATION SHEET NUMBER MS18203 SUPERSEDING MS18203 2 August 1982 AMSC N/A FSC 5935
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