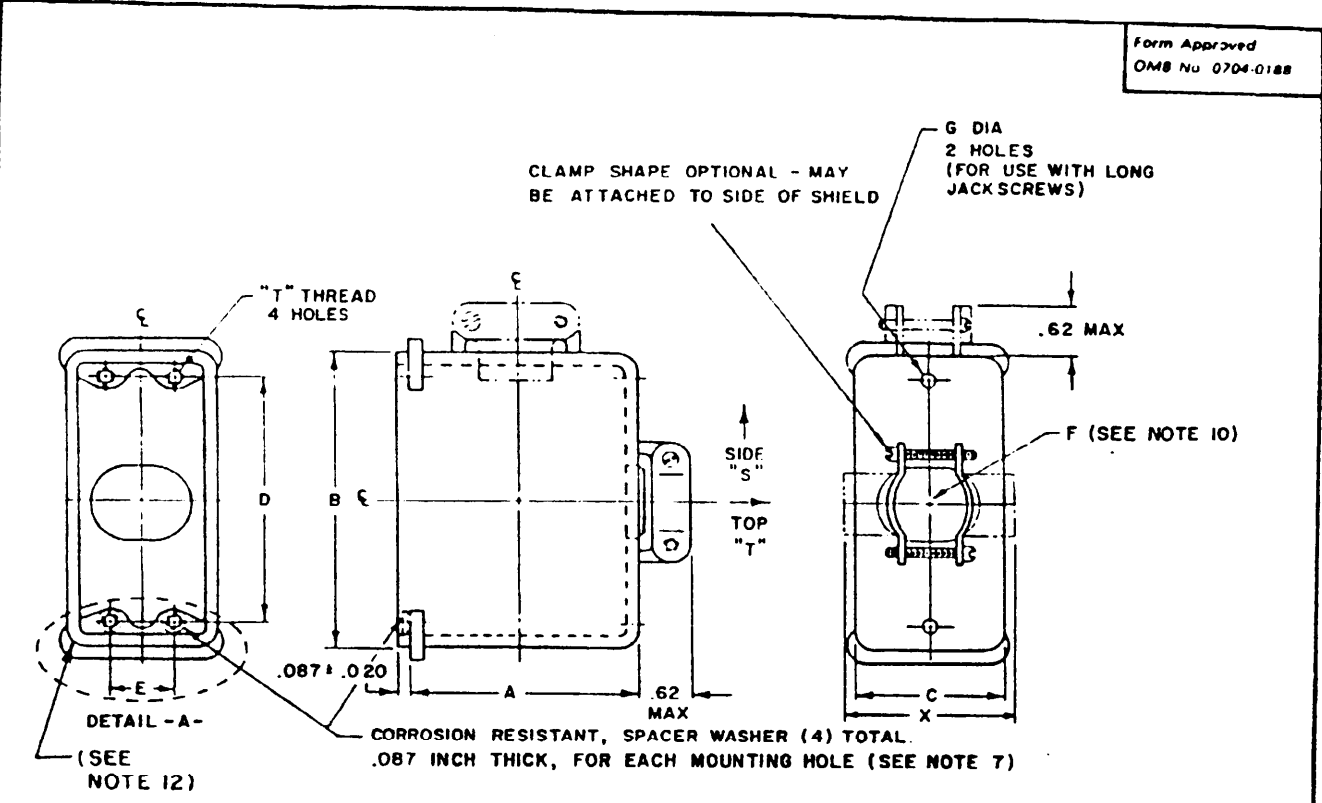
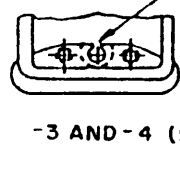
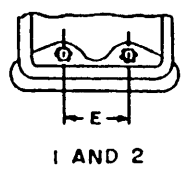
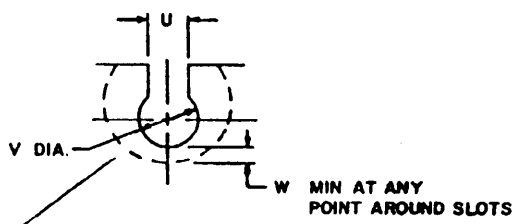


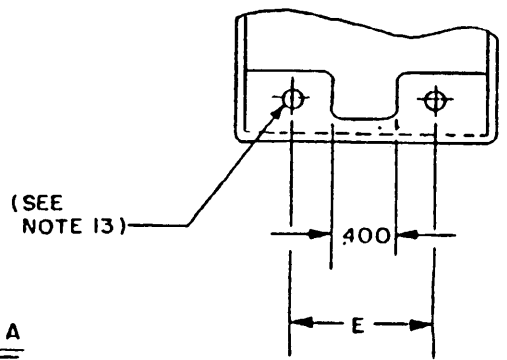
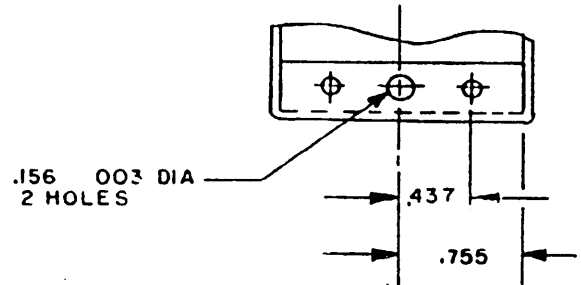
THE REQUIREMENTS FOR ACQUIRING THE PRODUCT(S) DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE ISSUE OF THE FOLLOWING SPECIFICATION LISTED IN THAT ISSUE OF THE DODDS SPECIFIED IN THE SOLICITATION:
MIL-C-28748.



	U ±.003	V ±.005 -.001	W MIN
MS 18193 T3	.109	.120	.062
MS 18193 S3	.109	.120	.062
MS 18193 T4	.133	.150	.110
MS 18193 S4	.133	.150	.110



1 AND 2 DETAIL A -3 AND -4 (SEE NOTE 1)



DETAIL A
ALTERNATE CONFIGURATIONS -2 AND -4

ⓔ denotes changes

THIS SPECIFICATION IS APPROVED FOR USE BY ALL DEPARTMENTS AND AGENCIES OF THE DEPARTMENT OF DEFENSE.

PREPARING ACTIVITY: Navy-EC CUSTODIANS: ARMY - CR NAVY - AIR FORCE - 85 DLA - REVIEW: Army - AT; Navy - AS USER: Air Force - 11,80 PROJECT NUMBER: 5935-3772-03 DISTRIBUTION STATEMENT	TITLE MILITARY SPECIFICATION SHEET SHIELD, ELECTRICAL CONNECTORS FOR 66 AND 104 CONTACT CONNECTORS	SPECIFICATION SHEET NUMBER MS18193 26 April 1990
		SUPERSUCCESSOR MS18193 14 November 1988
		ARMSC N/A FSC 5935
Approved for public release; distribution is unlimited.		Page 1 of 2

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MS part number	Connector size (number of contacts)	A ±.03	B ±.016	C ±.016	D ±.010	E ±.005	F min cable opening square inch	G -.003 -.001	T thread	X max
MS18193-T1 MS18193-S1	66	1.17	2.366	1.211	1.969	.500	.55	.196	.112-40 UNC-2B	1.37
MS18193-T2 MS18193-S2	104	2.23	2.835	1.625	2.375	.875	1.10	.229	.138-32 UNC-2B	1.88
MS18193-T3 MS18193-S3	66	1.17	2.366	1.211	1.969	.500	.55	.196	.112-40 UNC-2B	1.37
MS18193-T4 MS18193-S4	104	2.23	2.835	1.625	2.375	.875	1.10	.229	.138-40 UNC-2B	1.88

(E)

(E)

Inches	mm	Inches	mm	Inches	mm
.001	0.03	.133	3.38	.875	22.23
.003	0.08	.138	3.51	1.10	27.94
.005	0.13	.150	3.81	1.17	29.72
.010	0.25	.156	3.96	1.211	30.76
.016	0.41	.196	4.98	1.37	34.8
.020	0.51	.229	5.82	1.625	41.28
.03	0.76	.400	10.16	1.66	42.2
.062	1.57	.437	11.09	1.969	50.01
.087	2.21	.500	12.70	2.23	56.66
.109	2.77	.55	13.97	2.366	60.10
.110	2.79	.62	15.75	2.375	60.33
.112	2.84	.755	19.97	2.835	72.01
.120	3.05				

NOTES:

- Dimensions are in inches.
- Unless otherwise specified, tolerance is ±.016 (0.41 mm).
- Metric equivalents are given for general information only.
- For shield with top cable opening suffix part number 'T'. For shield with side cable opening suffix part number with 'S'.
- Material: Aluminum alloy in accordance with QQ-A-250/8, temper 0, .040 (1.02 mm) thick.
- Finish: Anodize in accordance with MIL-A-8625, type I or type II.
- Spacer washers, (4), used only with shell; discard in other uses. Aluminum in accordance with QQ-A-250/11, T6, anodize in accordance with QQ-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.
- Edges of cable entry hole to be rounded to prevent insulation chafing.
- T3, S3, T4, and S4 for use with one-piece jackscrews.
- No cracks, chips, or sharp edges on all 4 edges of flange.
- Number 6-32 UNC-2B swedge and thread 4 holes.
- Design standard only: Parts described by this MS sheet will not be stocked by the Government.

(E)

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

PREPARING ACTIVITY: Navy - EC CUSTODIANS: ARMY - CR NAVY - AIR FORCE - 85 DLA - Army - AT; Navy - AS REVIEW: Air Force - 11,80 USER: Army-AM,AR,ME; Navy-MC PROJECT NUMBER: 5935-3772-03	MILITARY SPECIFICATION SHEET TITLE SHIELD, ELECTRICAL CONNECTORS FOR 66 AND 104 CONTACT CONNECTORS	SPECIFICATION SHEET NUMBER MS18193	
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