

MIL-S-38533/1A  
 14 January 1985  
 SUPERSEDING  
 MIL-S-38533/1  
 4 January 1982

MILITARY SPECIFICATION SHEET

SOCKETS, CHIP CARRIER, CERAMIC, FOR USE WITH  
 CHIP CARRIER, JEDEC, .050 CENTER, LEADLESS TYPES A, B, AND D

This specification sheet is approved for use by all  
 Departments and Agencies of the Department of Defense.

The complete requirements for acquiring the sockets described herein shall  
 consist of this specification and the latest issue of MIL-S-38533.

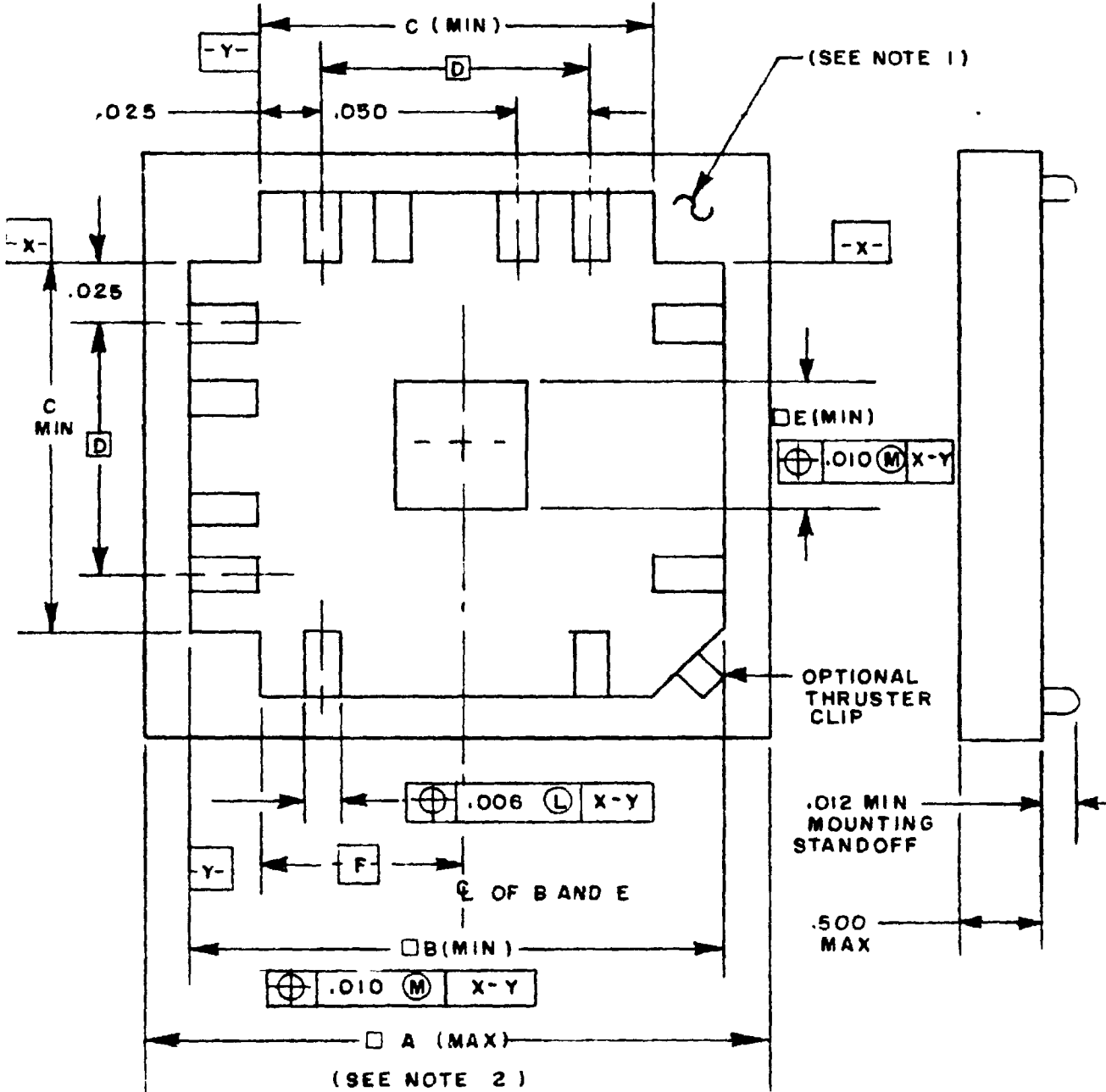


FIGURE 1. Socket for leadless type "A".

MIL-S-38533/1A

INCHES	MM
.006	0.15
.010	0.25
.012	0.30
.025	0.64
.050	1.27
.500	12.7

NOTES:

1. Corner configuration optional.
2. Includes 11d.
3. Dimensions are in inches.
4. Metric equivalents are given for general information only.

FIGURE 1. Socket for leadless type "A". Continued.

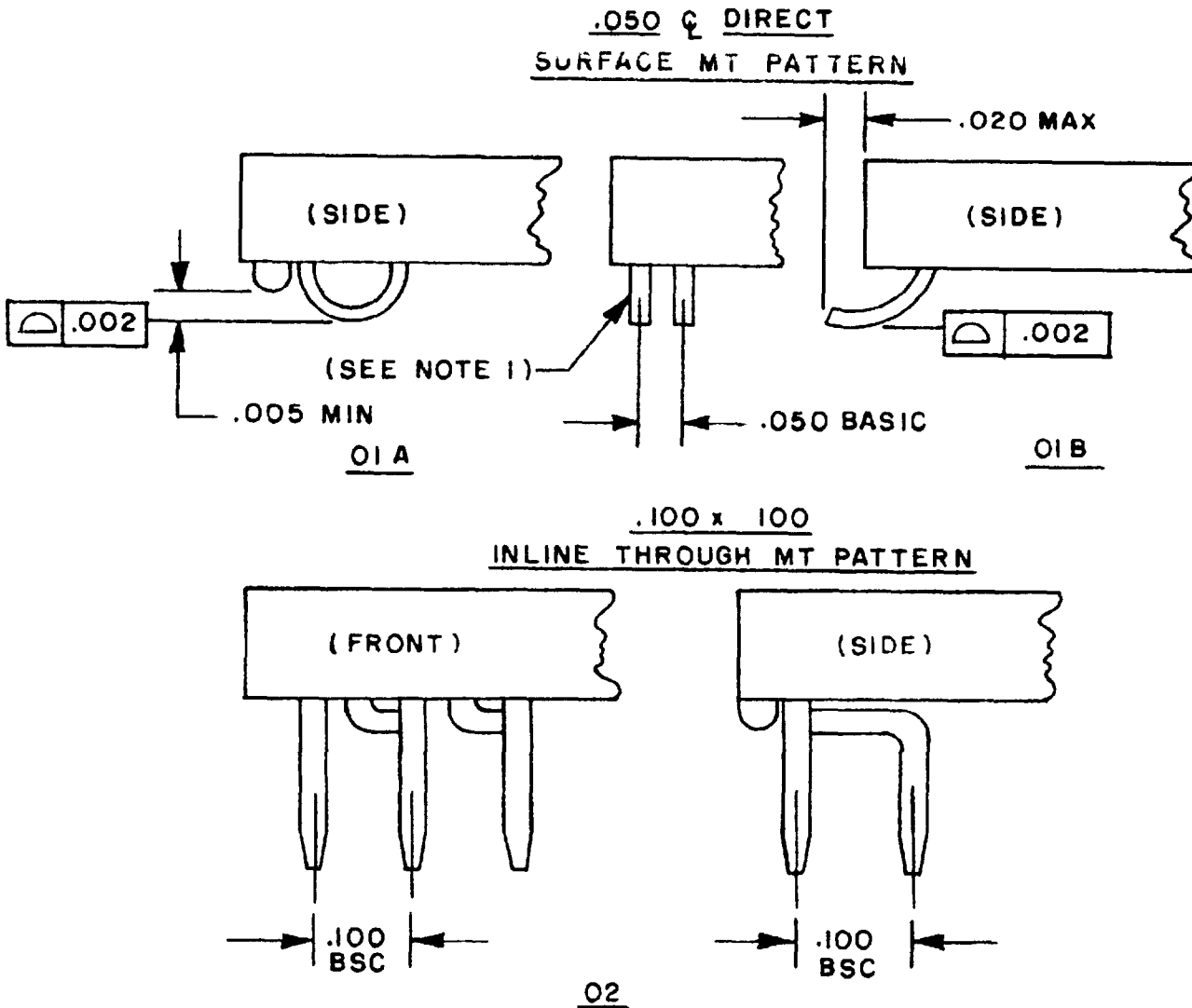
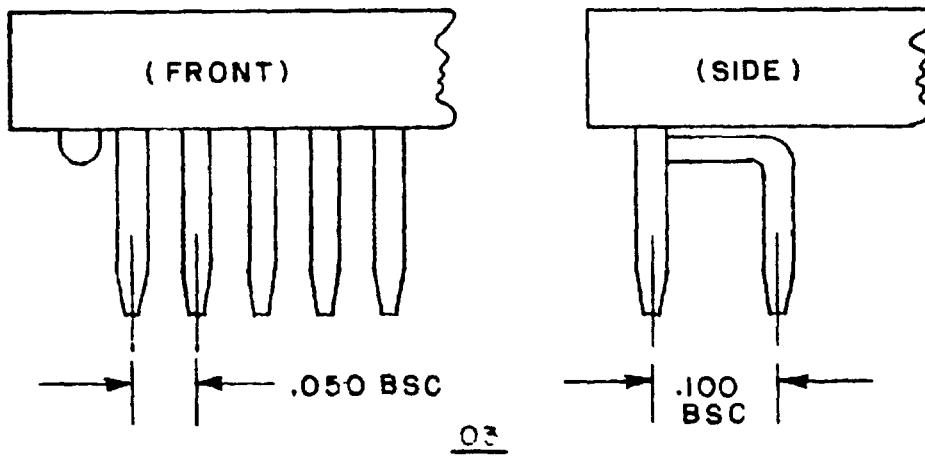


FIGURE 2. Socket contact terminations.

MIL-S-38533/1A

.050 x .100  $\phi$   
STAGGERED THROUGH MT. PATTERN



INCHES	MM
.002	0.05
.005	0.13
.020	0.51
.050	1.27
.100	2.54

## NOTES:

1. Contact size - .022" maximum X or Y dimension.
2. Configuration of contact is optional and it must fit in a .027 diameter gage hole.
3. Dimensions are in inches.
4. Metric equivalents are given for general information only.

FIGURE 2. Socket contact terminations - Continued.

MIL-S-38533/1A

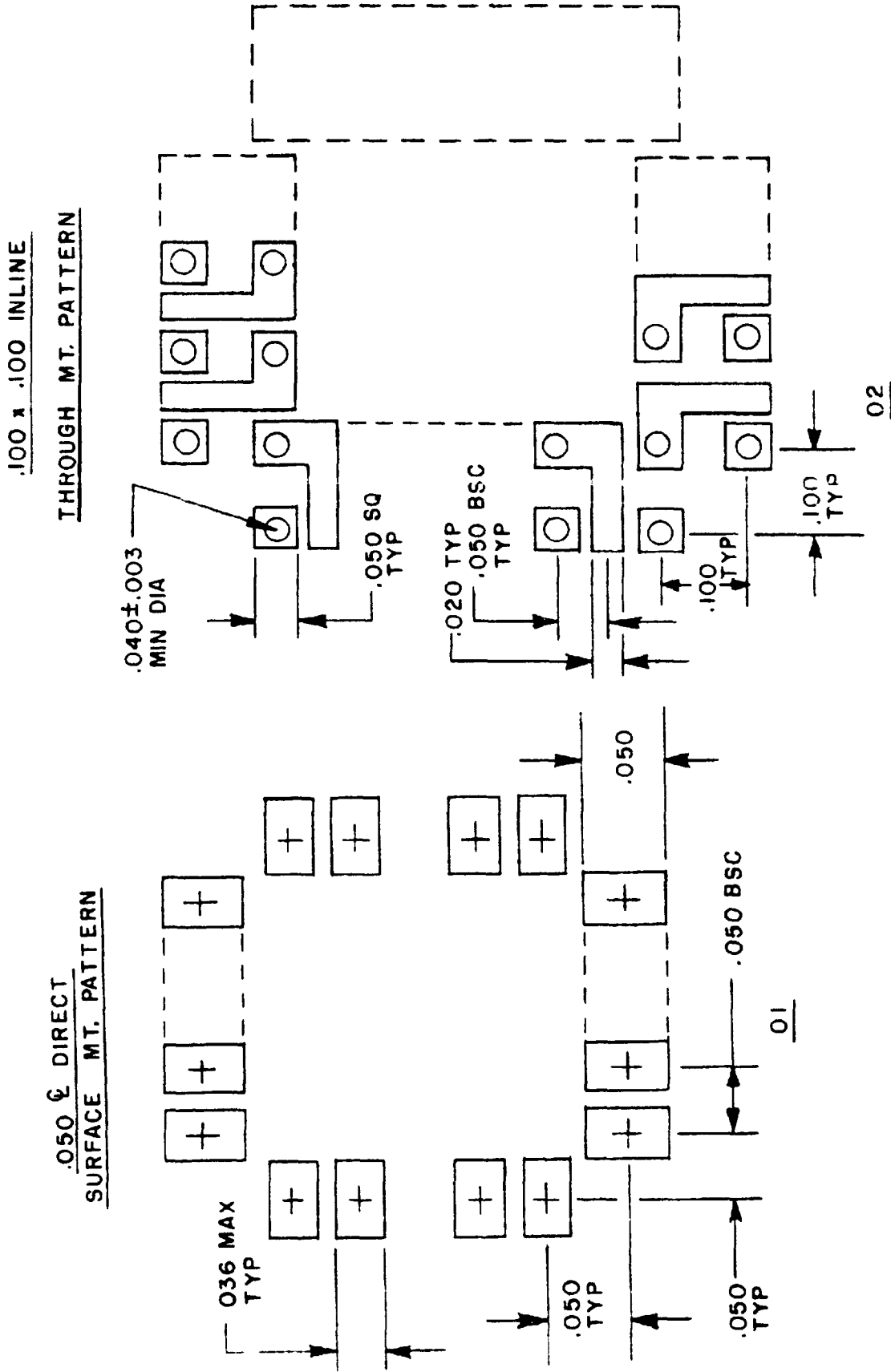
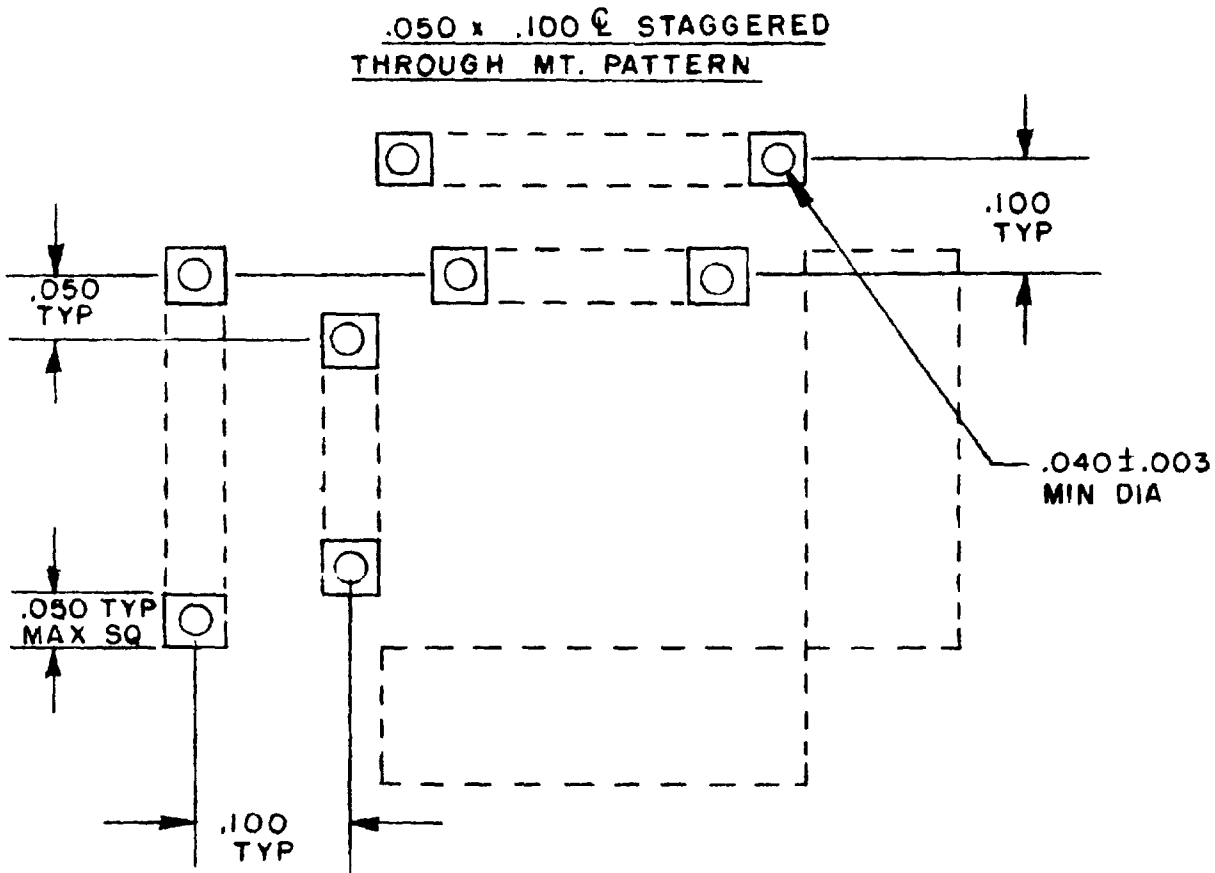


FIGURE 3. P.W.B. patterns (footprint) component side shown.

MIL-PRF-38533/1A



03

INCHES	MM
.003	0.08
.010	0.25
.036	0.91
.040	1.02
.050	1.27
.100	2.54

NOTES:

1. Desirable socket contact target is at the intersection of the centerlines of the pad.
2. Dimensions are in inches.
3. Metric equivalents are given for general information only.

FIGURE 3 P.W.B patterns (footprint) component side shown - Continued

## MIL-S-38533/1A

TABLE I. Dash number and dimensions.

Dash number	DIMENSIONS							No. of contacts	Terminal pattern (see figure 2)
	A (max)	B (min)	C (min) with clip	C (min) w/o clip * .003	D (BSC)	E	F (BSC)		
001	.960	.480	.356	.362	.300	.300	.175	28	1
002	.860	.480	.356	.362	.300	.300	.175	28	2
003	.850	.480	.356	.362	.300	.300	.175	28	3
004	1.060	.682	.557	.562	.500	.500	.275	44	1
005	1.060	.682	.557	.562	.500	.500	.275	44	2
006	1.060	.682	.557	.562	.500	.500	.275	44	3
007	1.160	.783	.658	.662	.600	.600	.325	52	1
008	1.160	.783	.658	.662	.600	.600	.325	52	2
009	1.160	.783	.658	.662	.600	.600	.325	52	3
010	1.360	.985	.859	.862	.800	.800	.425	69	1
011	1.360	.985	.859	.862	.800	.800	.425	69	2
012	1.360	.985	.859	.862	.800	.800	.425	69	3
013	1.560	1.186	1.059	1.062	1.000	1.000	.525	84	1
014	1.560	1.186	1.059	1.062	1.000	1.000	.525	84	2
015	1.560	1.186	1.059	1.062	1.000	1.000	.525	84	3
016	1.760	1.386	1.262	1.262	1.200	1.200	.625	100	1
017	1.760	1.386	1.262	1.262	1.200	1.200	.625	100	2
018	1.760	1.386	1.262	1.262	1.200	1.200	.625	100	3
019	2.060	1.686	1.562	1.562	1.500	1.500	.775	124	1
020	2.060	1.686	1.562	1.562	1.500	1.500	.775	124	2
021	2.060	1.686	1.562	1.562	1.500	1.500	.775	124	3
022	2.460	2.086	1.962	1.962	1.900	1.900	.975	156	1
023	2.460	2.086	1.962	1.962	1.900	1.900	.975	156	2
024	2.460	2.086	1.962	1.962	1.900	1.900	.975	156	3

INCHES	MM	INCHES	MM	INCHES	MM	INCHES	MM
.175	4.45	.625	15.88	1.000	25.40	1.560	39.62
.275	6.99	.658	16.71	1.059	26.90	1.562	39.67
.300	7.62	.775	19.69	1.060	26.92	1.686	42.82
.325	8.26	.783	19.89	1.160	29.46	1.760	44.70
.356	9.04	.800	20.32	1.186	30.12	1.900	48.26
.362	9.19	.859	21.82	1.200	30.48	1.962	49.83
.425	10.80	.860	21.84	1.262	32.05	2.060	52.32
.500	12.70	.862	21.89	1.360	34.54	2.460	62.48
.557	14.15	.975	24.77	1.386	35.20		
.562	14.27	.985	25.02	1.500	38.10		
.600	15.24						

MIL-S-38533/1A

REQUIREMENTS

Dimensions and configurations See figure 1 and table I.

Mounting and terminations: See figure 2.

Hole patterns: See figure 3.

Part number. M38533/1- (dash number from table I).

Revision letters are not used to denote changes due to the extensiveness of the changes.

Custodians

Army - CR  
Navy - EC  
Air Force - 17

Preparing activity  
Air Force - 17

(Project 5935-3337)

Review activities

Army - AR, MI  
Navy - SH  
Air Force - 11, 17, 85, 99  
DLA - ES

User activities:

Army - AT, AV, ME  
Navy - AS, MC  
Air Force - 19

Agent:

DLA - ES