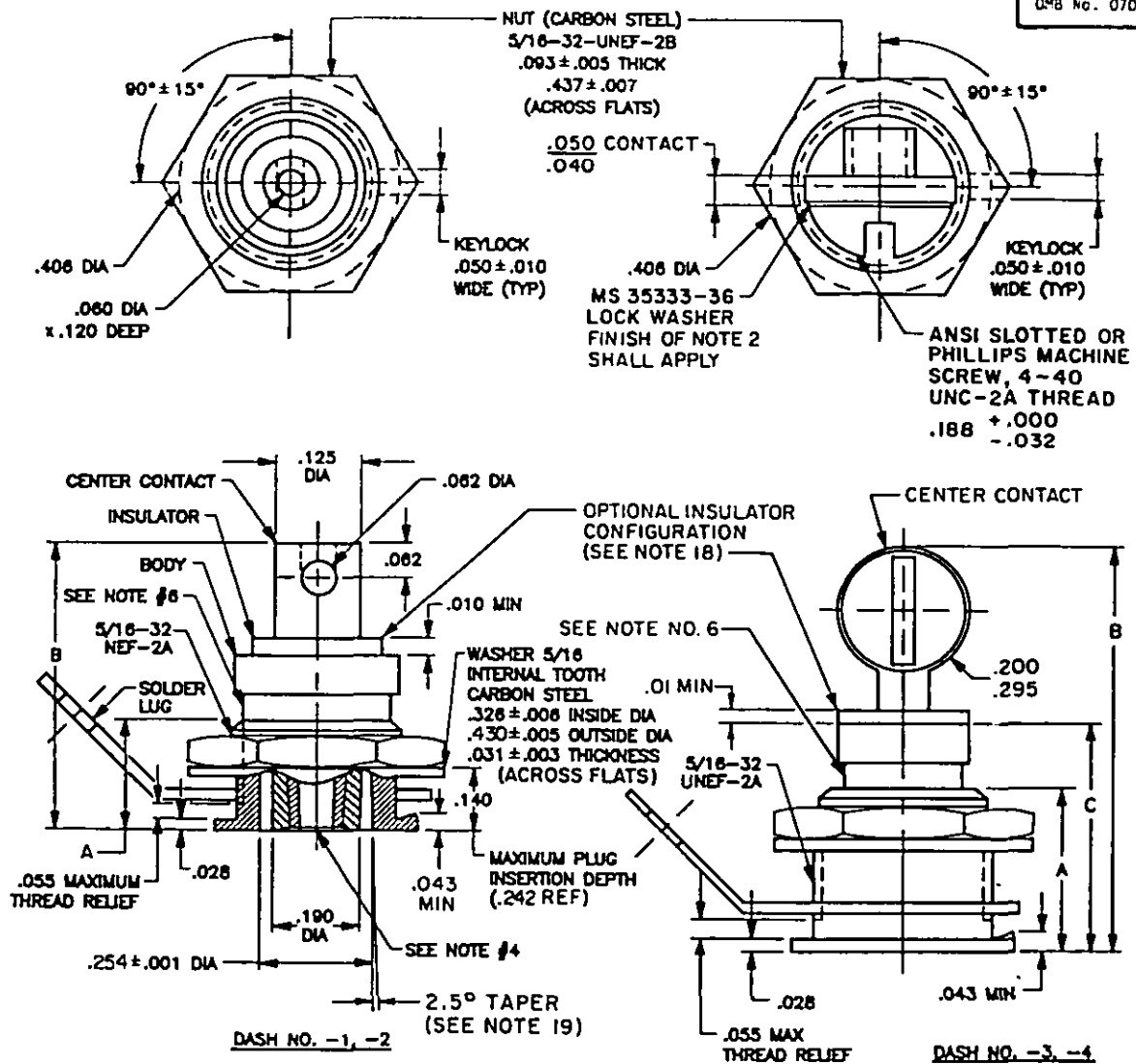
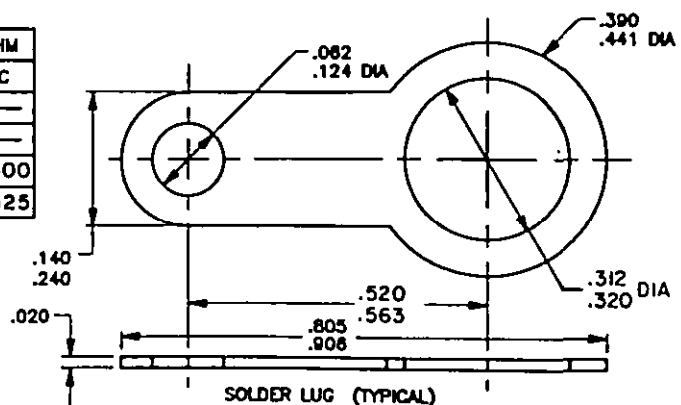


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DASH NO	DIMENSION		TERMINAL TYPE	DIM C
	A	B		
-1	.250±.010	.590 MAX	SOLDER	—
-2	.375±.010	.718 MAX	SOLDER	—
-3	.250±.010	.750 MAX	SCREW	.400
-4	.375±.010	.875 MAX	SCREW	.525

PANEL GROUND TYPE
RECEPTACLES CENTER
CONTACT POSITIVE



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PREPARING ACTMITY: NAVY-AS
CUSTODIANS: ARMY-AV NAVY-AS
AIR FORCE-II OLA-
REVIEW: NAVY-MC, SH
USER:
PROJECT NUMBER: 5935-N300

MILITARY SPECIFICATION SHEET

TITLE CONNECTOR, RECEPTACLES,
PLUGS, ADAPTOR, EL, EMBEDDED,
PRINTED CIRCUIT BOARD LAMP
LIGHTING PANELS

SPECIFICATION SHEET NUMBER
MS 90335C 12 FEB 90

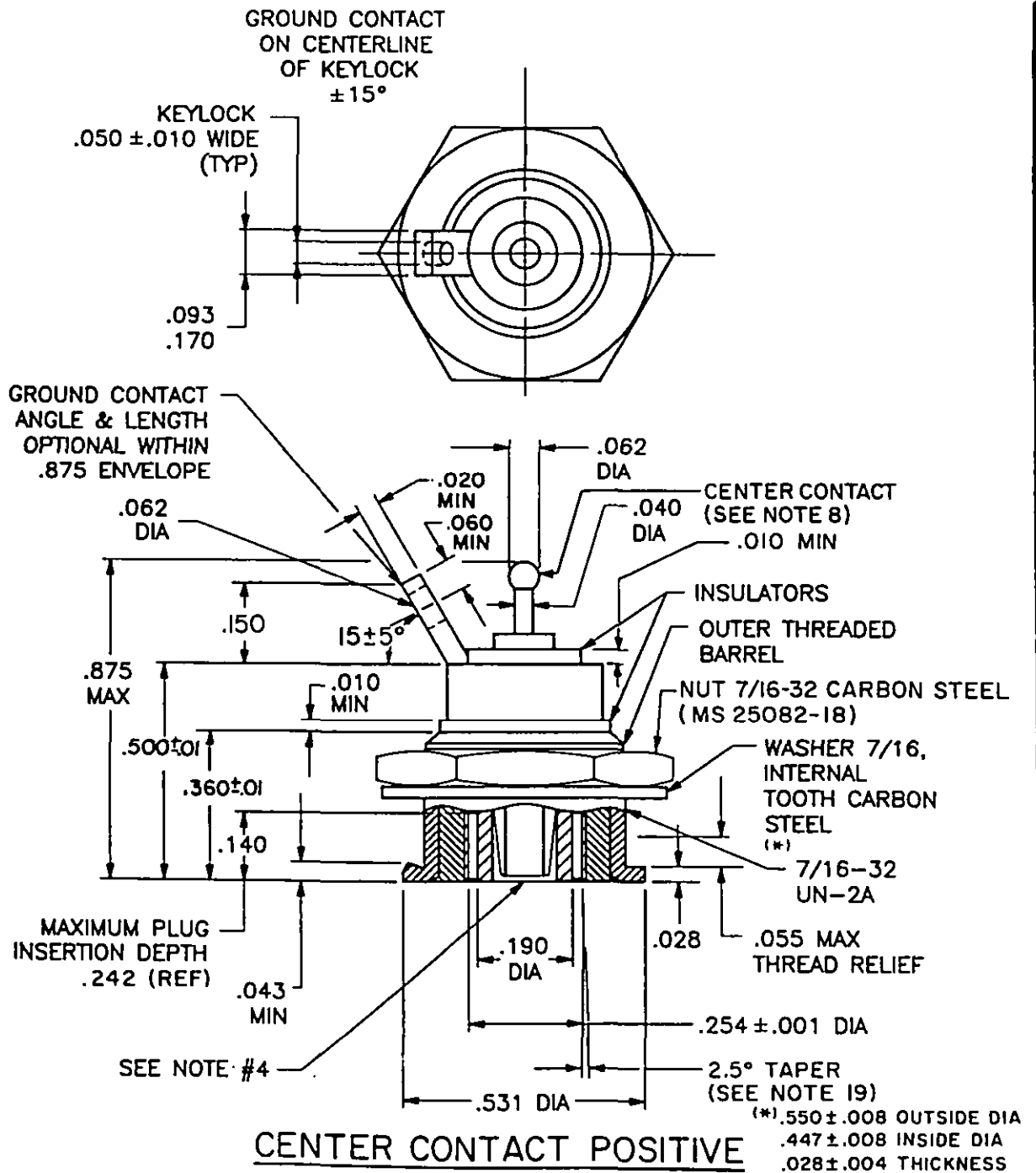
SUPERSEDING
MS 90335B 30 DEC 1976

AMSC-	N/A	FSC 5935
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AIR FORCE-II DLA-
REVIEW: NAVY-MC, SH
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MILITARY SPECIFICATION SHEET
TITLE CONNECTOR, RECEPTACLES,
PLUGS, ADAPTOR, EL, EMBEDDED,
PRINTED CIRCUIT BOARD LAMP
LIGHTING PANELS

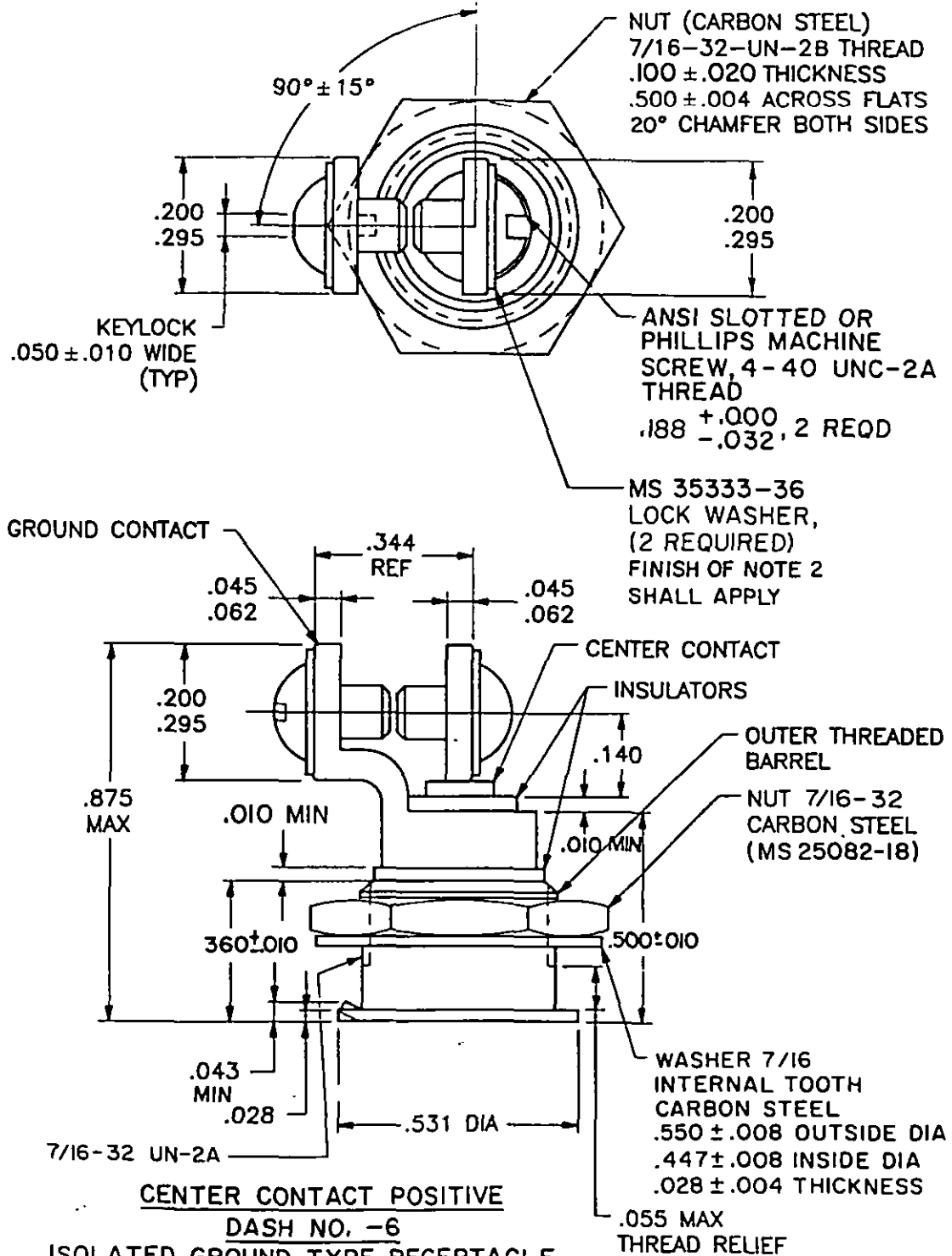
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MILITARY SPECIFICATION SHEET
TITLE: CONNECTOR, RECEPTACLES,
PLUGS, ADAPTOR, EL, EMBEDDED,
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SUPERSEDING
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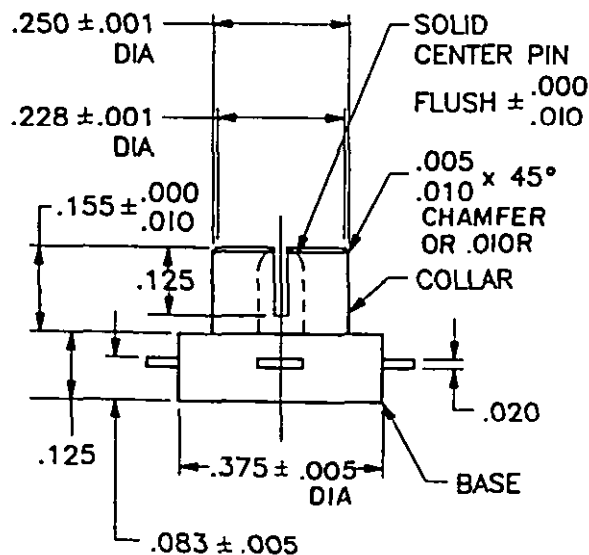
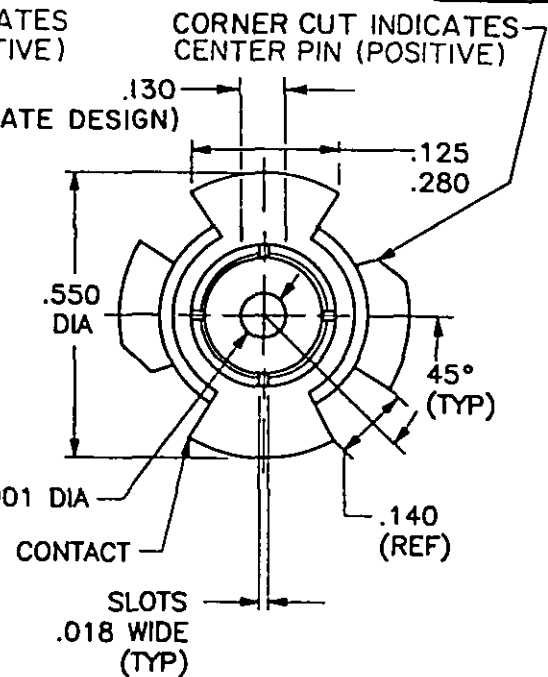
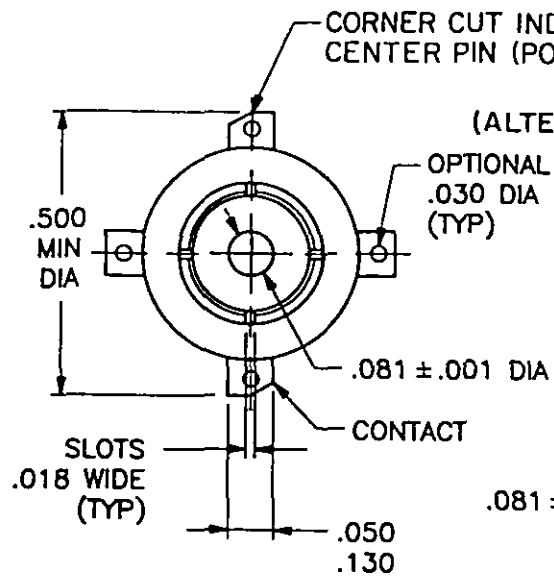
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PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

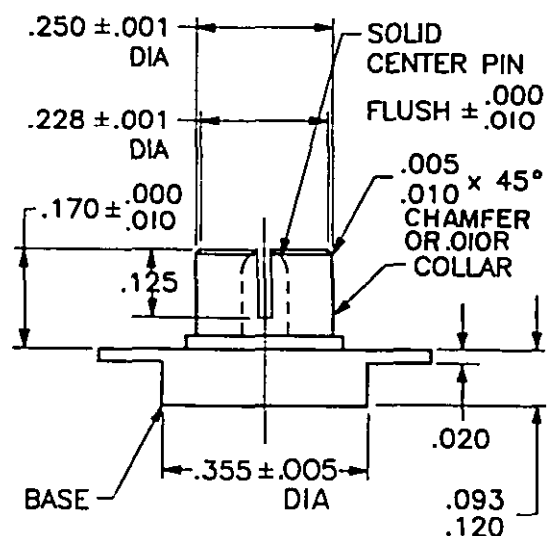
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CENTER CONTACT POSITIVE
DASH NO. -7
FOR EMBEDDED
APPLICATION



CENTER CONTACT POSITIVE
DASH NO. -8
FOR PRINTED CIRCUIT
BOARD APPLICATION

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PREPARING ACTIVITY: NAVY-AS
CUSTODIANS: ARMY-AV NAVY-AS
AIR FORCE-II DLA-
REVIEW: NAVY-MC, SH
USER:
PROJECT NUMBER: 5935-N300

MILITARY SPECIFICATION SHEET
TITLE CONNECTOR, RECEPTABLES,
PLUGS, ADAPTOR, EL, EMBEDDED,
PRINTED CIRCUIT BOARD LAMP
LIGHTING PANELS

SPECIFICATION SHEET NUMBER
MS 90335C 12 FEB 90
SUPERSEDING
MS 90335B 30 DEC 1976
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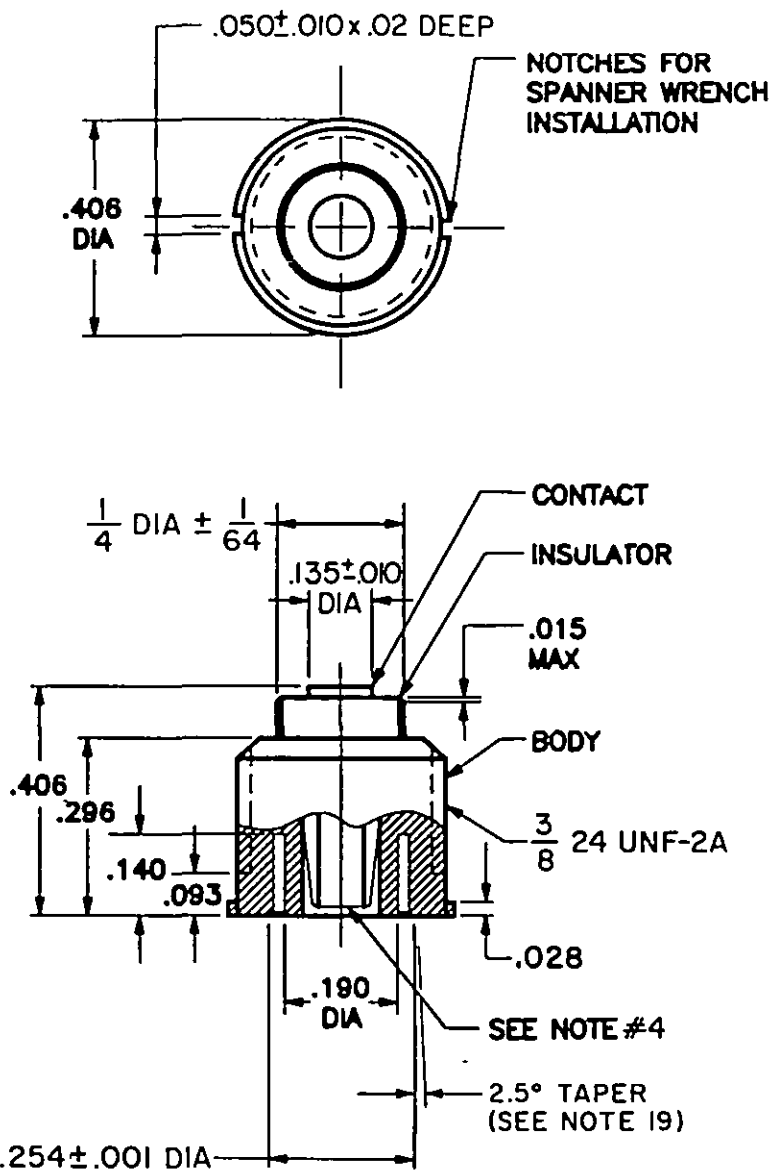
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INCHES	MM
.001	.03
.002	.06
.003	.08
.004	.10
.005	.13
.006	.15
.010	.25
.015	.38
.018	.46
.020	.51
.028	.71
.030	.76
.031	.79
.032	.81
.040	1.02
.043	1.09
.045	1.14
.050	1.27
.055	1.40
.060	1.52
.062	1.57
.070	1.78
.081	2.05
.083	2.11
.093	2.35
.100	2.54
.120	3.05
.124	3.15
.125	3.18
.130	3.30
.135	3.40
.140	3.56
.155	3.94
.170	4.32
.188	4.78
.190	4.83
.200	5.08
.210	5.33
.228	5.79
.240	6.10
.250	6.35
.252	6.40
.254	6.45
.280	7.11
.290	7.37
.295	7.49
.296	7.52
.297	7.54
.310	7.87
.312	7.92
.320	8.13
.326	8.28
.344	8.74
.355	9.02
.360	9.14
.375	9.52
.370	9.91
.400	10.16
.406	10.19
.430	10.92
.437	11.10
.441	11.20
.500	12.70
.520	13.21
.525	13.34
.531	13.49
.550	13.97
.563	14.30
.577	14.65
.590	14.99
.715	18.16
.718	18.24
.750	19.05
.805	20.45
.875	22.22
.936	23.10

CENTER CONTACT POSITIVE
DASH NO. -9
ADAPTOR

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PREPARING ACTMITY: NAVY-AS
CUSTODIANS: ARMY-AV NAVY-AS
AIR FORCE-II DLA-
REVIEW: NAVY- MC, SH
USER:
PROJECT NUMBER: 5935-N300

MILITARY SPECIFICATION SHEET
TITLE CONNECTOR, RECEPTACLES,
PLUGS, ADAPTOR, EL, EMBEDDED,
PRINTED CIRCUIT BOARD LAMP
LIGHTING PANELS

SPECIFICATION SHEET NUMBER
MS 90335C 12 FEB 90
SUPERSEDING
MS 90335B 30 DEC 1976
AMSC- N/A FSC 5935

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NOTES:

1. MATERIAL: DASH NO. -1, -2, -3, -4, -5, -6, -9: BODY - HALFHARD BRASS PER QQ-B-626; INSULATOR - POLYTETRAFLUOROETHYLENE PER MIL-P-19468; CENTER CONTACT - BERYLLIUM COPPER PER QQ-C-530, HEAT TREAT PER MIL-H-7199.
DASH NO. -1, -2, -3, -4: SOLDER LUG - HALFHARD BRASS PER QQ-B-613B.
DASH NO. -5, -6: GROUND CONTACT - BRASS PER QQ-B-626.
DASH NO. -7: CENTER PIN - HALFHARD BRASS PER QQ-B-626; COLLAR - BERYLLIUM COPPER PER QQ-C-530, HEAT TREAT PER MIL-H-7199; BASE INSULATOR - METHACRYLATE PER L-P-380, CLEAR; ALTERNATE BASE INSULATORS - POLYVINYLIDENE FLUORIDE PER MIL-P-46122B, TYPE I, GRADE E, NATURAL; POLYCARBONATE PER MIL-P-46144, CLEAR.
2. DASH NO. -8: CENTER PIN - HALFHARD BRASS PER QQ-B-626; COLLAR - BERYLLIUM COPPER PER QQ-C-530, HEAT TREAT PER MIL-H-7199; BASE INSULATOR - POLYVINYLIDENE FLUORIDE PER MIL-P-46122B, TYPE I, GRADE E, NATURAL.
FINISH: DASH NO. -1, -2, -3, -4, -5, -6, -7, -8, -9: CENTER & GROUND CONTACTS - GOLD PLATED PER MIL-G-45204, TYPE II, GRADE C, CLASS 0 (.000030 MIN THK), OVER COPPER STRIKE PER MIL-C-14550.
DASH NO. -1, -2, -3, -4, -5, -6, -9: HARDWARE - ELECTRODEPOSITED NICKEL PER QQ-N-290, CLASS 1, GRADE F (.0004), OVER COPPER PER MIL-C-14550.
DASH NO. -5, -6: OUTER THREADED BARREL - ELECTRODEPOSITED NICKEL PER QQ-N-290, CLASS 1, GRADE F (.0004 THK), OVER COPPER PER MIL-C-14550.
DASH NO. -1, -2, -3, -4: SOLDER LUG - TIN PLATED PER MIL-T-10727, TYPE I (ELECTRODEPOSITED), .0003-.0005 THK OVER COPPER FLASH PER MIL-C-14450.
3. DIMENSIONS IN INCHES. TOLERANCES: DECIMALS $\pm .005$, UNLESS OTHERWISE SPECIFIED.
4. DASH NO. -1, -2, -3, -4, -5, -6, -9: FEMALE CENTER CONTACT FINGERS CLOSED DOWN UNIFORMLY TO MEET 4 OZ MINIMUM WITHDRAWAL FORCE WITH .079 DIA PIN, BEFORE AND AFTER 3 INSERTIONS OF .082 DIA PIN.
5. WHEN MATED WITH 7, 8 PLUG THAT HAS BEEN INSERTED TO $.100 \pm .005$ DEPTH THE WITHDRAW FORCE SHALL NOT EXCEED 3 LBS. AND SHALL NOT BE LESS THAN 1 LB.
6. CAPTIVATION OF INSULATOR AND CENTER CONTACT WILL MAINTAIN 12 POUNDS FORCE WHEN APPLIED FROM INTERFACE END.
7. DASH NO. -6: SCREW LOCATIONS OPTIONAL PROVIDING MAXIMUM LENGTH OF .875 IS NOT EXCEEDED.
8. DASH NO. -1, -2, -5: TERMINATION OF CENTER CONTACTS MAY BE AS ILLUSTRATED ON DASH NUMBER SHEETS.
9. DASH NO. -7, -8: COLLAR TO HAVE MINIMUM OF 4 SLOTS AND MAXIMUM OF 6 SLOTS.
10. DASH NO. -8: ALL 4 CONTACTS SHOULD BE FULLY SOLDERED TO PRINTED CIRCUIT BOARD. VARIATION IN SOLDER TAB SIZE (.125-.280) IS INTENDED TO ALLOW FOR SPACE LIMITATIONS: FOR NEW DESIGN THE LARGER TAB AS SHOWN ON THE DRAWING IS PREFERRED. OPTIONAL CONSTRUCTION: PLUG COLLAR MAY SCREW INTO BASE PROVIDING MATING INTERFACE DIMENSIONS ARE MAINTAINED. FINAL PART MUST BE ASSEMBLED TOGETHER UTILIZING CONDUCTIVE CEMENT AND OFFER .130-.135 INSERTION DEPTH INTO FEMALE RECEPTACLE.
11. DASH NO. -9: ADAPTOR FOR CONVERTING TYPE III INFORMATION PLATES TO TYPE IV, TYPE V OR TYPE VI INFORMATION PLATES.
12. DASH NO. -1, -2, -3, -4: TO INCORPORATE SOLDER LUG PER DASH NUMBER SHEET FOR GROUNDING PURPOSES. SEE MIL-P-7788 FOR INTENDED USE.
13. DASH NO. -1, -2, -3, -4, -5, -6, -9: MANUFACTURER'S IDENTIFICATION TO BE PERMANENTLY STAMPED IN METAL PART OF RECEPTACLE.
14. THIS DRAWING IS APPLICABLE FOR MIL-P-7788 PANELS UTILIZING A SINGLE ELECTRICAL CIRCUIT. ALL MIL-P-7788 PANELS WHICH REQUIRE MULTIPLE ELECTRICAL CIRCUITS SHALL USE MIL-C-55302/108 AND /109 CONNECTOR PLUG AND RECEPTACLE. MIL-C-55302/108/109 MAY ALSO BE USED FOR SINGLE CIRCUIT LIGHT PANELS.
15. METRIC EQUIVALENTS (TO THE NEAREST .01 MM) ARE GIVEN FOR GENERAL INFORMATION ONLY AND ARE BASED UPON 1 INCH = 25.4 MM.
16. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BIDS, OR REQUEST FOR PROPOSAL, EXCEPT THAT REFERENCED ADOPTED INDUSTRY DOCUMENTS SHALL GIVE THE DATE OF THE ISSUE ADOPTED.
17. FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.
18. INSULATOR SHALL NOT EXCEED DIAMETER OF BODY.
19. ANGULAR TOLERANCE OF 2.5 DEG. TAPER IS CONTROLLED BY THE REQUIREMENTS OF NOTE 5.
20. THE CURRENT CAPABILITY OF THE MS90335 IS REGULATED BY THE CURRENT CAPACITY OF THE WIRE USED.
21. MANUFACTURERS ARE PERMITTED TO SUPPLY MS90335B CONNECTORS UNTIL 12 FEBRUARY 1992 OR DEplete THEIR INVENTORIES, WHICHEVER COMES FIRST.

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PREPARING ACTIVITY: NAVY-AS CUSTODIANS: ARMY-AV NAVY-AS AIR FORCE-II DLA- REVIEW: NAVY-MC, SH USER: PROJECT NUMBER: 5935-N300	MILITARY SPECIFICATION SHEET TITLE CONNECTOR, RECEPTACLES, PLUGS, ADAPTOR, EL, EMBEDDED, PRINTED CIRCUIT BOARD LAMP LIGHTING PANELS	SPECIFICATION SHEET NUMBER MS 90335C 12 FEB 90 SUPERSEDING MS 90335B 30 DEC 1976 AMSC- N/A FSC 5935
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