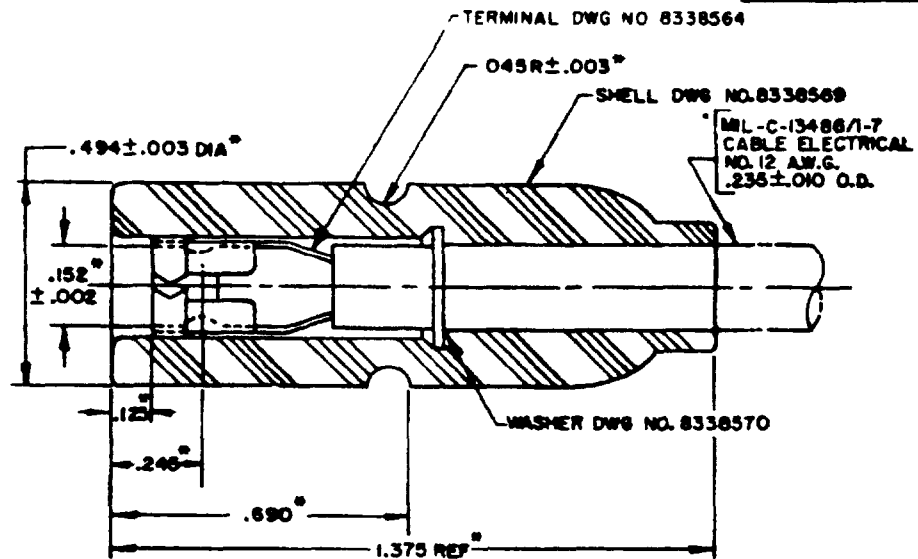
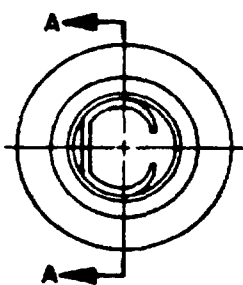


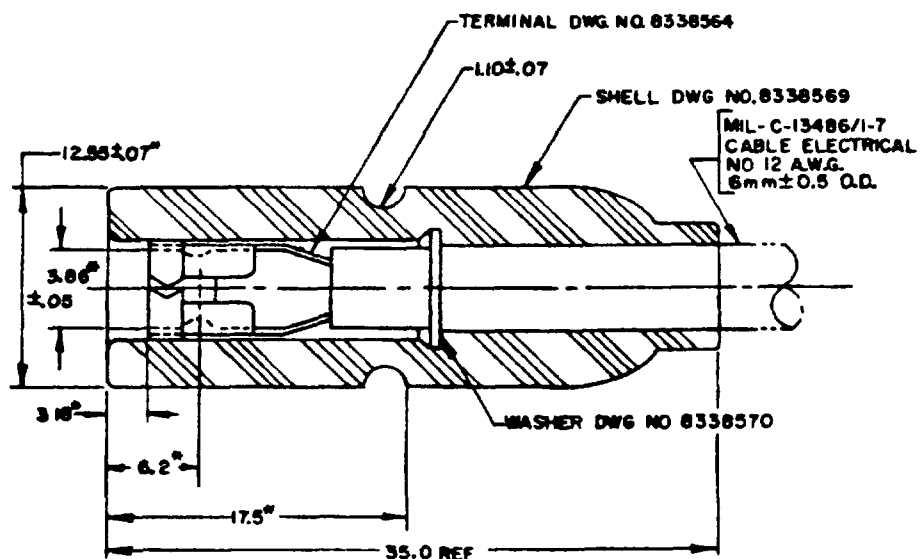
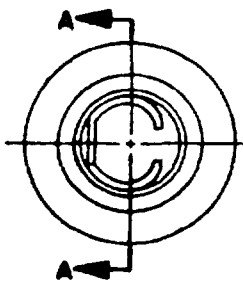
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REVIEW ACTIVITIES ARMY-CR, ME, AF-BS, DLA-ES
USER ACTIVITIES NAVY-MC



SECTION A-A

DIMENSIONS SHOWN ARE IN INCHES



SECTION A-A

DIMENSIONS SHOWN ARE IN MILLIMETERS

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P A ARMY-AT Other Cust NAVY-YD	INTERNATIONAL INTEREST STANAG 4040	TITLE CONNECTOR, PLUG, ELECTRICAL: SOCKET CONTACT, NO 12 AW G, WATERPROOF	MS PART NUMBER MS 27143-1	ENGINEERING PARTS LIST 8338568
PROCUREMENT SPECIFICATION NONE	SUPERSEDES	MILITARY STANDARD MS 27143		
SHEET 1		OF 2		

DD FORM 672-1 (COORDINATED)

REF. PUBLISHED ON THE FORM AND OBSOLETE

5935-3685-01

This military standard is approved for use by the US Army Tank-Automotive Command, Department of the Army, and is available for use by all Departments and Agencies of the Department of Defense.

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AMSC N/A

APPROVED 11 MAY 1961 REVISED ⑧ 1 SEPTEMBER 1967 ⑧ 16 FEBRUARY 1968

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5935

NOTES

- ① 1. MATERIAL
SHELL RUBBER-GRADE SC615 $A_1C_1E_3F_2$. ASTM D2000.
TERMINAL BRASS-COMPOSITION 11 OR 22. TEMPER HALF HARD
MINIMUM, QQ-B-626.
WASHER STEEL, COMMERCIAL QUALITY, 1008 TO 1020, HRP40 OR CR.
TEMPER OPTIONAL, QQ-S-698.
2. PROTECTIVE FINISH
TERMINAL SILVER PLATE, TYPE 11, GRADE A, .0002 MIN.
THICKNESS, QQ-S-365.
WASHER CADMIUM PLATE, TYPE 1, CLASS 2, QQ-P-416.
3. FOR MATING PLUG SEE MS27142.
4. WHEN CONNECTORS ARE COUPLED, VOLTAGE DROP SHALL NOT EXCEED 20
MILLIVOLTS AND SHALL MEET THE REQUIREMENTS OUTLINED IN
MIL-STD-202, METHOD 307.
5. WHEN CONNECTORS ARE COUPLED, THE ASSEMBLY SHALL WITHSTAND
DIELECTRIC STRENGTH TEST OF 1000 VOLTS AND MEET THE
REQUIREMENTS OUTLINED IN MIL-STD-202, METHOD 302.
- ⑥ 6. WHEN CONNECTORS ARE COUPLED, THE ASSEMBLY SHALL MEET THE
REQUIREMENTS OF WATERPROOFNESS TEST OUTLINED IN MIL-STD-1184
7. THE ASSEMBLY SHALL MEET THE REQUIREMENTS OF SALT SPRAY
CORROSION TEST OUTLINED IN MIL-STD-202, METHOD 101 (5% SALINE,
200 HRS.)
8. TERMINAL TO BE CRIMPED TO CABLE AND MUST WITHSTAND A PULL TEST
OF 90 POUNDS (40 KILOGRAMS).
- ① 9. FORCE REQUIRED TO UNCOUPLE CONNECTORS SHALL NOT EXCEED 50% OF
VALUES EXPRESSED IN NOTE 8 WHEN AT EITHER TEMPERATURE EXTREME
OF TABLE D OF MIL-STD-202, METHOD 107.
10. REFERENCED ENGINEERING PARTS LIST MAY BE OBTAINED FROM U.S.
ARMY TANK AUTOMOTIVE COMMAND, WARREN, MICHIGAN 48397-5000.

CERTAIN PROVISIONS OF THIS STANDARD (IDENTIFIED BY *) ARE THE
SUBJECT OF INTERNATIONAL STANDARDIZATION AGREEMENT NATO-STANAG
4040 WHEN REVISION OR CANCELLATION OF THIS STANDARD IS
PROPOSED WHICH WILL EFFECT OR VIOLATE THE INTERNATIONAL
AGREEMENT CONCERNED, THE PREPARING ACTIVITY WILL TAKE
APPROPRIATE RECONCILIATION ACTION THROUGH INTERNATIONAL
STANDARDIZATION CHANNELS, INCLUDING DEPARTMENTAL
STANDARDIZATION OFFICES, IF REQUIRED

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MS PART NUMBER	ENGINEERING PARTS LIST
MS 27143-1	8338568

APPROVED 11 MAY 1961 REVISED ① 1 SEPTEMBER 1967 ① FOR CHANGES SEE PAGES 1 AND 2

P A ARMY-A	INTERNATIONAL INTEREST	TITLE	MILITARY STANDARD
Other Cust NAVY YD	STANAG 4040	CONNECTOR, PLUG, ELECTRICAL-SOCKET CONTACT, NO 12 AWG, WATERPROOF	MS27143
PROCUREMENT SPECIFICATION NONE	SUPERSEDES		SHEET 2 OF 2