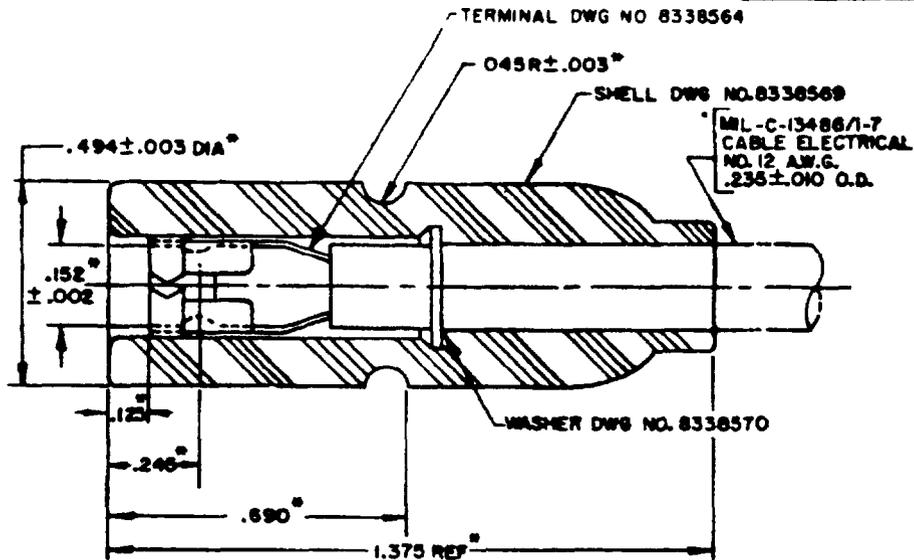
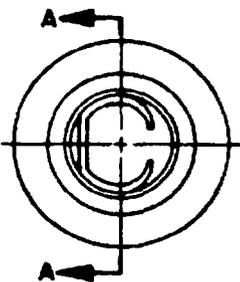


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5935

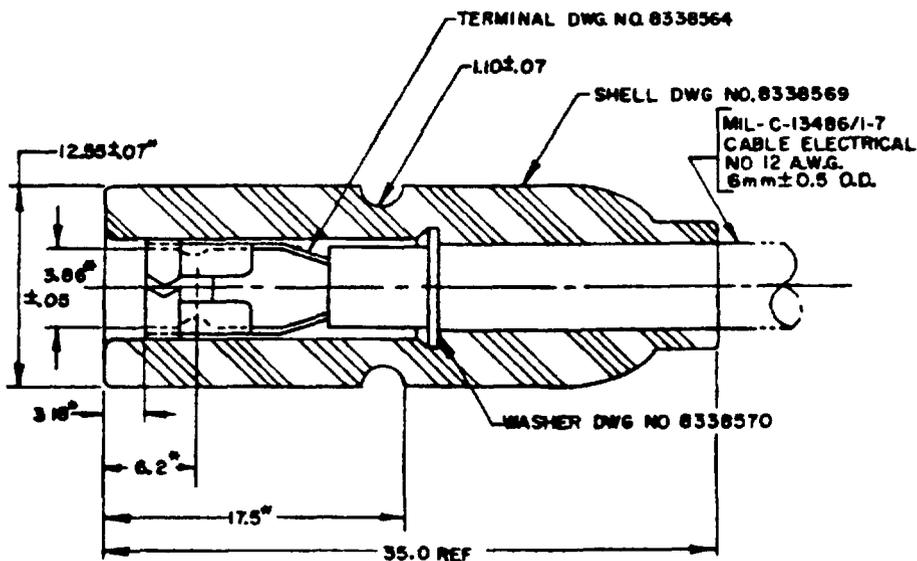
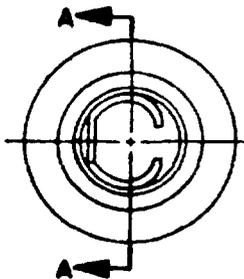
REVIEW ACTIVITIES ARMY-CR, ME, AF-85, DLA-ES
USER ACTIVITIES NAVY-MC



SECTION A-A

DIMENSIONS SHOWN ARE IN INCHES

Approved for public release, distribution is unlimited
AMSC N/A



SECTION A-A

DIMENSIONS SHOWN ARE IN MILLIMETERS

ⓑ DENOTES CHANGE

MS PART NUMBER	ENGINEERING PARTS LIST
MS 27143-1	8338568

P A ARMY-AT	INTERNATIONAL INTEREST
Other Cust NAVY-YD	STANAG 4040
PROCUREMENT SPECIFICATION	SUPERSEDES
NONE	

TITLE
CONNECTOR, PLUG, ELECTRICAL: SOCKET CONTACT, NO 12 AWG, WATERPROOF

MILITARY STANDARD	
MS 27143	
SHEET 1	OF 2

APPROVED 11 MAY 1961 REVISED ⓐ 1 SEPTEMBER 1967 ⓑ 16 FEBRUARY 1968

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

FED SUP CLASS
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.
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.
- ② 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

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

① DENOTES CHANGE

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MS 27143-1	8338568

P A ARMY-AT Other Cust NAVY YD	INTERNATIONAL INTEREST	TITLE	MILITARY STANDARD MS 27143
	STANAG 4040	CONNECTOR, PLUG, ELECTRICAL - SOCKET CONTACT, NO 12 AWG, WATERPROOF	
PROCUREMENT SPECIFICATION	SUPERSEDES	SHEET 2 OF 2	
NONE			