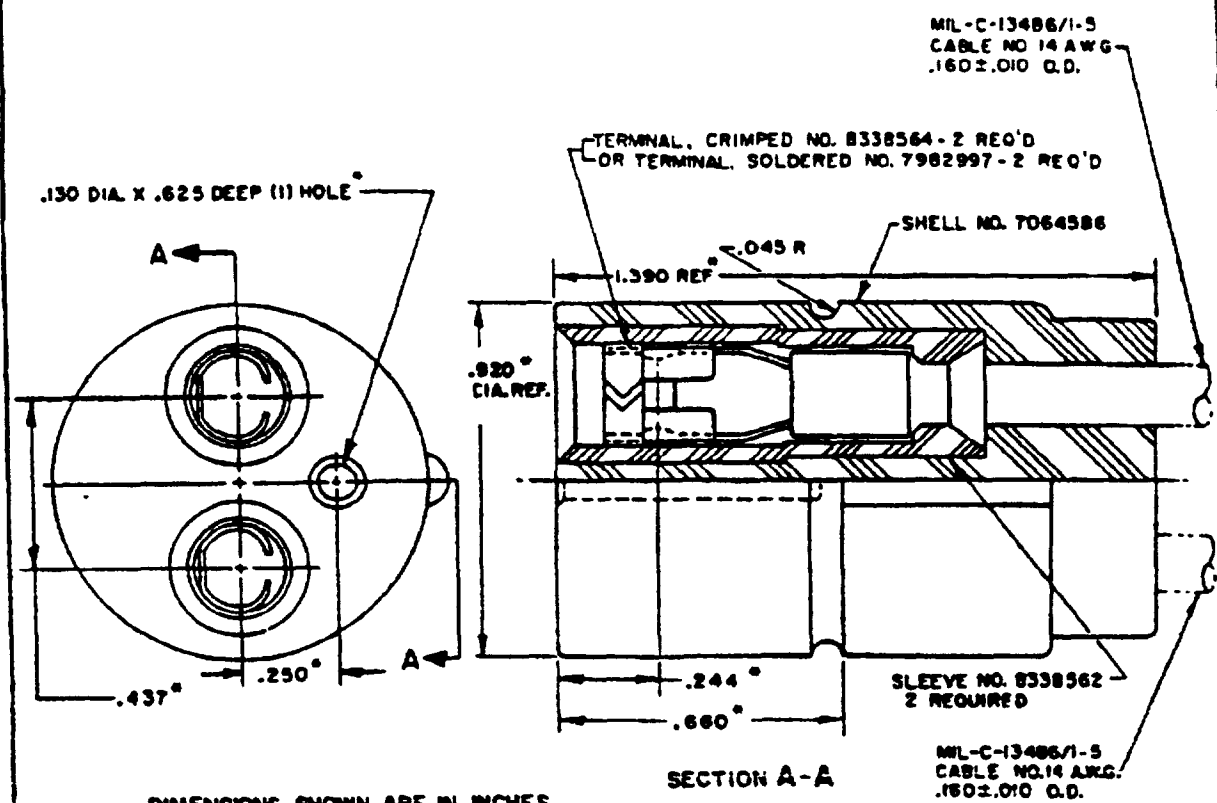


FED SUP CLASS  
5935

① USER ACTIVITIES NAVY-MC  
 ② REVERSED ACTIVITIES ARMY-MR, ME  
 DLA-ES  
 This military standard is approved for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document when applicable. MSC M/A  
 ③ DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.



DIMENSIONS SHOWN ARE IN INCHES

SECTION A-A

Ⓡ DENOTES CHANGE

ARMY-AT Other Govt ① NAVY	INTERNATIONAL INTEREST STANAG 4040	TITLE CONNECTOR, PLUG, ELECTRICAL: NO. 14 AWG. DOUBLE CONTACT, WATERPROOF
PROCUREMENT SPECIFICATION NONE	SUPERSEDES	

MS PART NUMBER MS 27145-1	ENGINEERING PARTS LIST 8589045
<b>MILITARY STANDARD</b>	
<b>MS 27145</b>	
SHEET 1	OF 3

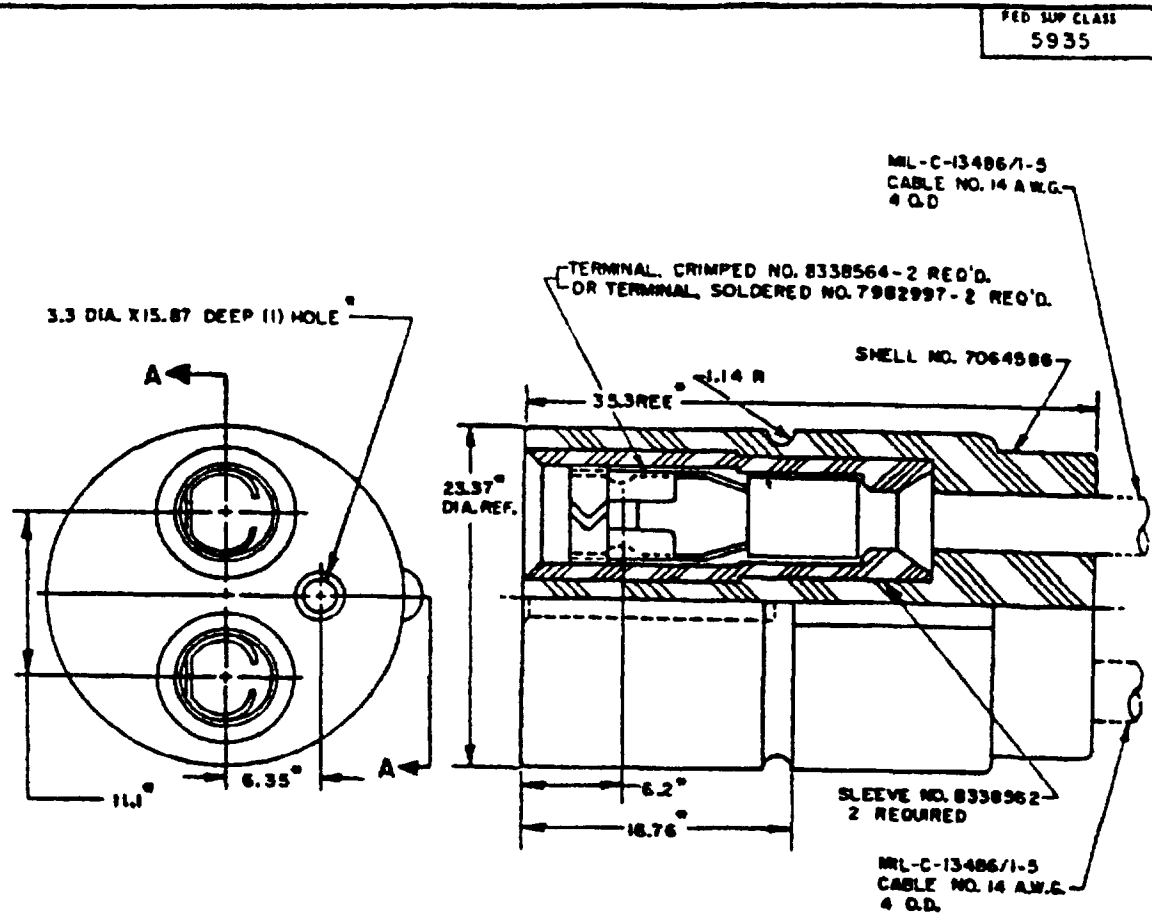
DD FORM 672-1 (COORDINATED)

5935-3655-02

FED SUP CLASS  
5935

USER ACTIVITIES

REPAIR ACTIVITIES



DIMENSIONS SHOWN ARE IN MILLIMETERS SECTION A-A

This military standard is approved for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document when applicable.

AMC N/A

APPROVED FOR PUBLIC RELEASE; DISTRIBUTION IS UNLIMITED.

APPROVED 11 MAY 1961 REVISED 6 For changes see pages 1, 2 and 3

P. A. ARMY-AT Other Code ① NAVY	INTERNATIONAL INTEREST STANAG 4040	TITLE CONNECTOR, PLUG, ELECTRICAL : NO 14 A.W.G. DOUBLE CONTACT, WATERPROOF
PROCIWEMPT SPECIFICATION NONE	SUPERSEDES	

MS PART NUMBER MS 27145-1	ENGINEERING PARTS LIST 8689045
MILITARY STANDARD MS 27145	
SHEET 2 OF 3	

DD FORM 672-1 (COORDINATED)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## NOTES

- 1 MATERIAL  
 SHELL RUBBER-GRADE SC 615 A<sub>1</sub> C<sub>1</sub> E<sub>3</sub> F<sub>2</sub>, ASTM-D-2000  
 TERMINAL BRASS-COMPOSITION 11 OR 22, TEMPER HALFHARD MINIMUM, QQ-B-626
- 2 PROTECTIVE FINISH  
 TERMINAL SILVER PLATE, TYPE 11, GRADE A, .0002 MIN THICKNESS, QQ-S-365
- 3 FOR MATING CONNECTOR SEE MS27146
- 4 WHEN CONNECTORS ARE COUPLED, VOLTAGE DROP SHALL NOT EXCEED 20 MILLIVOLTS WHEN TESTED IN A 28 VOLT CIRCUIT AS OUTLINED IN MIL-STD-202, METHOD 307
- 5 WHEN CONNECTORS ARE COUPLED, THE ASSEMBLY SHALL MEET THE 1000 VOLT DIELECTRIC STRENGTH TEST REQUIREMENTS OUTLINED IN MIL-STD-202, METHOD 302
- 6 WHEN CONNECTORS ARE COUPLED, THE ASSEMBLY SHALL MEET THE REQUIREMENTS FOR WATERPROOFNESS OUTLINED IN MIL-STD-202, METHOD 107.
- 7 WHEN CONNECTORS ARE COUPLED, THE ASSEMBLY SHALL MEET THE REQUIREMENTS OF SALT SPRAY CORROSION TEST OUTLINED IN MIL-STD-202, METHOD 101 ( 5% SALINE AT 200 HRS )
- 8 TERMINAL NUMBER A330564 TO BE CRIMPED TO CABLE, TERMINAL NUMBER 7982997 TO BE SOLDERED TO CABLE WITH SOLDER COMPOSITION SN-50 OR SN-60, QQ-S-571 AS OUTLINED IN DOD-STD-1066 ASSEMBLY MUST WITHSTAND A PULL TEST OF 60 POUNDS ( 27 KILOGRAMS )
- 9 FORCE REQUIRED TO UNCOUPLED CONNECTORS SHALL NOT EXCEED 50% OF VALUES EXPRESSED IN NOTE 8 WHEN AT EITHER TEMPERATURE EXTREME OF TABLE D, MIL-STD-202, METHOD 107
- 10 DETAILS OF THIS ASSEMBLY SHALL BE IN ACCORDANCE WITH ENGINEERING PARTS LIST, WHICH MAY BE OBTAINED FROM U.S. ARMY TANK AUTOMOTIVE COMMAND, WARREN, MICHIGAN 48397-5000.
- 11 RECYCLED, VIRGIN AND RECLAIMED MATERIALS THERE ARE NO REQUIREMENTS FOR THE EXCLUSIVE USE OF VIRGIN MATERIALS, HOWEVER, ALL MATERIALS SHALL BE NEW AND UNUSED THE USE OF RECYCLED OR RECLAIMED ( RECOVERED ) MATERIALS IS ACCEPTABLE PROVIDED THAT ALL OTHER REQUIREMENTS OF THIS STANDARD ARE MET

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

USFR ACTIVITIES

REFINER ACTIVITIES

This military standard is approved for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document when applicable.

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited. AWC N/A

P A ARMY-AT Other Code ① NAVY	INTERNATIONAL INTEREST STANAG 4040	TITLE CONNECTOR, PLUG, ELECTRICAL: NO 14 AWG. DOUBLE CONTACT, WATERPROOF
-------------------------------------	---------------------------------------	---

PROCUREMENT SPECIFICATION NONE	SUPERSEDES
-----------------------------------	------------

MS PART NUMBER MS 27145-1	ENGINEERING PARTS LIST 8689045
MILITARY STANDARD MS 27145	
SHEET 3	OF 3

DD FORM 672-1 (COORDINATED)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE