

FED. SUP CLASS  
5935

② USER ACTIVITIES: NAVY-MC

ARMY-ME, CR

AF-85

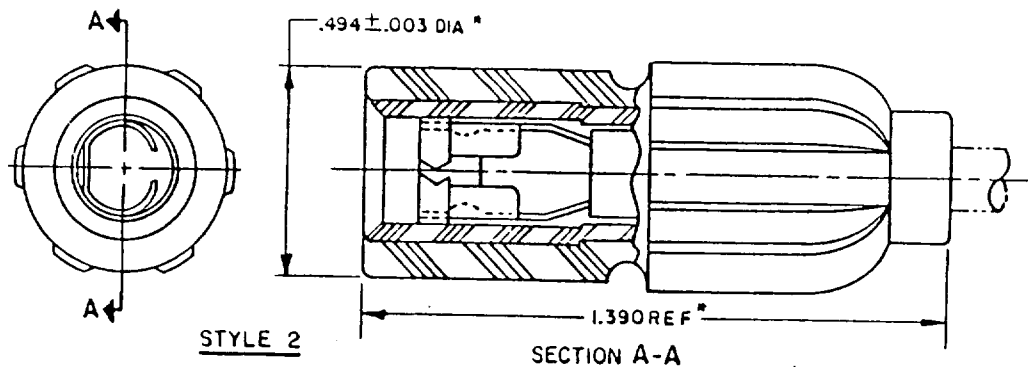
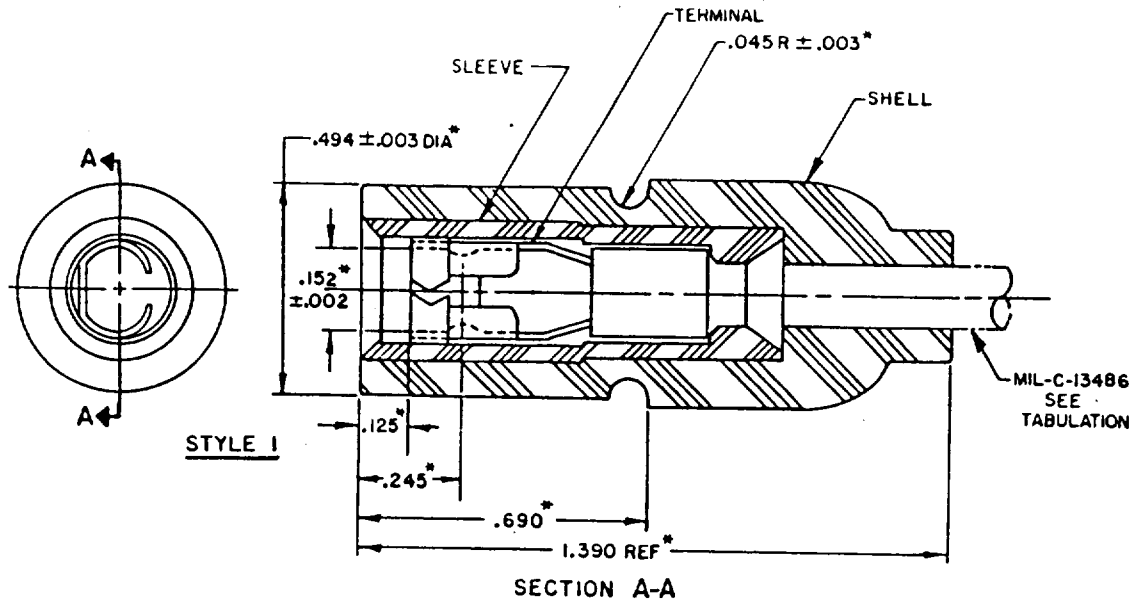
DLA-ES

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② REVIEWER ACTIVITIES

② DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.

AMSC M/A



DIMENSIONS SHOWN ARE IN INCHES

MS DASH NO.	REFERENCE DWG. NUMBER (ASSEMBLY)	STYLE	SIZE	WIRE GAGE	SHELL NUMBER	TERMINAL NUMBER	SLEEVE NUMBER	CABLE DIA	CABLE MIL-C-13486 PART NUMBER
-1	8338560	1	1	14	8338561	8338564	8338562	.160 ± .010	M-13486/I-5
-2	NONE	1	2	16	8724494	OR		.130 ± .015	M-13486/I-3
-3	7982398	2	1	14	7982401	7982997		.160 ± .010	M-13486/I-5

② DENOTES CHANGE

P. A. ARMY-AT Other Cust ② NAVY	INTERNATIONAL INTEREST STANAG 4040	TITLE CONNECTOR, PLUG, ELECTRICAL: SOCKET CONTACT, NO. 14 & 16 A.W.G., WATERPROOF	MILITARY STANDARD <b>MS27144</b>
PROCUREMENT SPECIFICATION NONE	SUPERSEDES:	SHEET 1 OF 3	

DD FORM 672-1 (COORDINATED)

\*PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

5935-3655-01

APPROVED 11 MAY 1961 REVISED ② 16 FEBRUARY 88

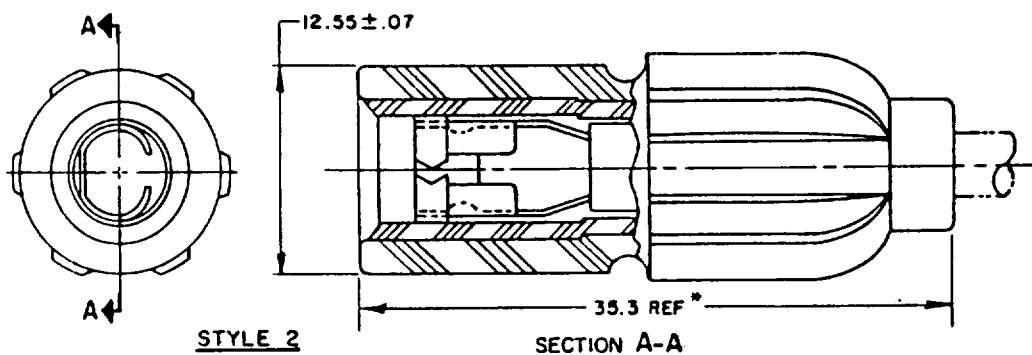
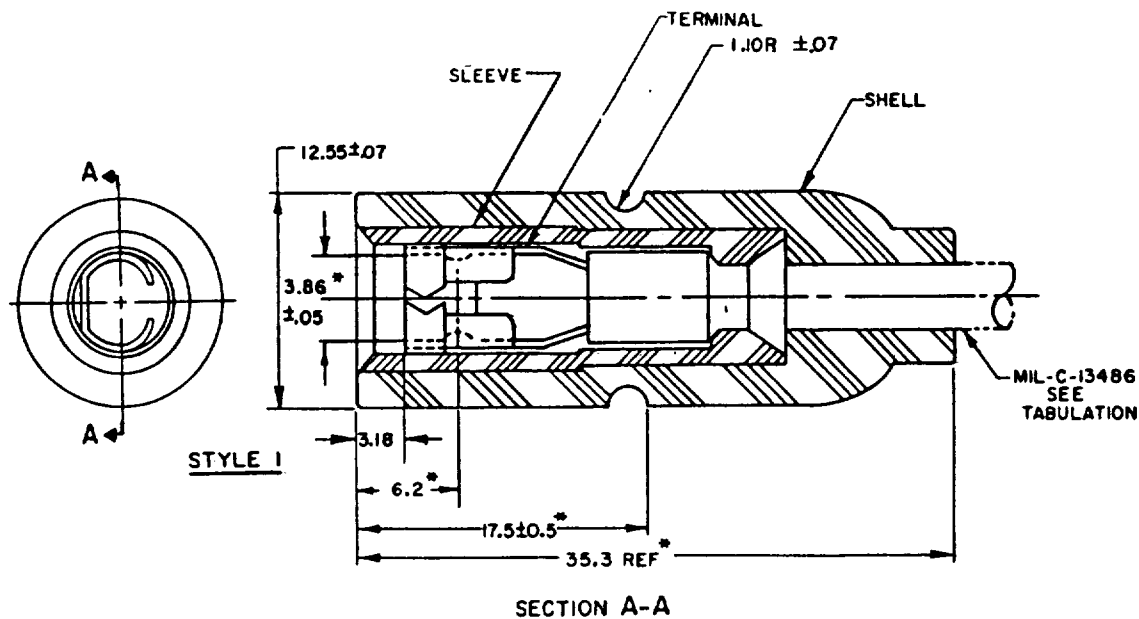
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USER ACTIVITIES

REVIEWER ACTIVITIES

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DIMENSIONS SHOWN ARE IN MILLIMETERS

MS DASH NO.	REFERENCE DWG. NUMBER (ASSEMBLY)	STYLE	SIZE	WIRE GAGE	SHELL NUMBER	TERMINAL NUMBER	SLEEVE NUMBER	CABLE DIA	CABLE MIL-C-13486 PART NUMBER
-1	8338560	1	1	14	8338561	8338564	8338562	4.06±25	M-13486/1-5
-2	NONE	1	2	16	8724494	OR		3.30±25	M-13486/1-3
-3	7982398	2	1	14	7982401	7982997		4.06±25	M-13486/1-5

P. A. ARMY-AT Other Cust (B) NAVY	INTERNATIONAL INTEREST STANAG 4040	TITLE CONNECTOR, PLUG, ELECTRICAL: SOCKET CONTACT, NO. 14 & 16 A.W.G., WATERPROOF	MILITARY STANDARD <b>MS27144</b>
PROCUREMENT SPECIFICATION NONE	SUPERSEDES:	SHEET 2 OF 3	

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APPROVED 11 MAY 1961 REVISED (B) For changes see pages 1, 2 and 3.

FED. SUP CLASS  
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USER ACTIVITIES

REVIEWER ACTIVITIES

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## NOTES:

1. MATERIAL:  
(B) SHELL: RUBBER-GRADE SC615  $A_1C_1E_3F_2$ , ASTM-D-2000.  
TERMINAL: BRASS-COMPOSITION 11 OR22, TEMPER HALF HARD MINIMUM, QQ-B-626.
2. PROTECTIVE FINISH:  
TERMINAL: SILVER PLATE, TYPE II, GRADE A, .0002 MIN. THICKNESS QQ-S-365.
3. STYLE 1, SIZE 1 MATES WITH CONNECTOR MS33800 AND MS27142, SIZE 2.  
STYLE 1, SIZE 2 MATES WITH CONNECTOR MS33800 AND MS27142, SIZE 3.
4. STYLE 2, SIZE 1 TO BE USED ONLY WITH RIBBED RECEPTACLE MS33800, STYLE II TO DENOTE POLARITY.
5. WHEN CONNECTORS ARE COUPLED, VOLTAGE DROP SHALL NOT EXCEED 20 MILLIVOLTS AND SHALL MEET THE REQUIREMENTS OUTLINED IN MIL-STD-202, METHOD 307.
6. 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.
- (B) 7. WHEN CONNECTORS ARE COUPLED, THE ASSEMBLY SHALL MEET THE REQUIREMENTS OF WATERPROOFNESS TEST OUTLINED IN MIL-STD-1184.
8. THE ASSEMBLY SHALL MEET THE REQUIREMENTS OF SALT SPRAY CORROSION TEST OUTLINED IN MIL-STD-202, METHOD 101 (5% SALINE, 200 HRS).
- (B) 9. TERMINAL NUMBER 8338564 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-1866. TERMINALS MUST WITHSTAND A PULL TEST OF 40 POUNDS (18 KILOGRAMS) FOR STYLE 1, SIZE 2; 60 POUNDS (27 KILOGRAMS) FOR STYLE 1, SIZE 1 AND STYLE 2, SIZE 1.
- (B) 10. FORCE REQUIRED TO UNCOUPLE CONNECTORS SHALL NOT EXCEED 50% OF VALUES EXPRESSED IN NOTE 9 WHEN AT EITHER TEMPERATURE EXTREME OF TABLE D OF MIL-STD-202, METHOD 107.
- (B) 11. REFERENCED DRAWINGS MAY BE OBTAINED FROM U.S. ARMY TANK AUTOMOTIVE COMMAND, WARREN, MICHIGAN 48397-5000.
- (B) 12. 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 AGREEMENT 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.

P. A. ARMY-AT Other Cust (B) NAVY	INTERNATIONAL INTEREST  STANAG 4040	TITLE  CONNECTOR, PLUG, ELECTRICAL: SOCKET CONTACT, NO. 14 & 16 A.W.G., WATERPROOF	MILITARY STANDARD  <b>MS27144</b>
PROCUREMENT SPECIFICATION NONE	SUPERSEDES:	SHEET 3 OF 3	

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