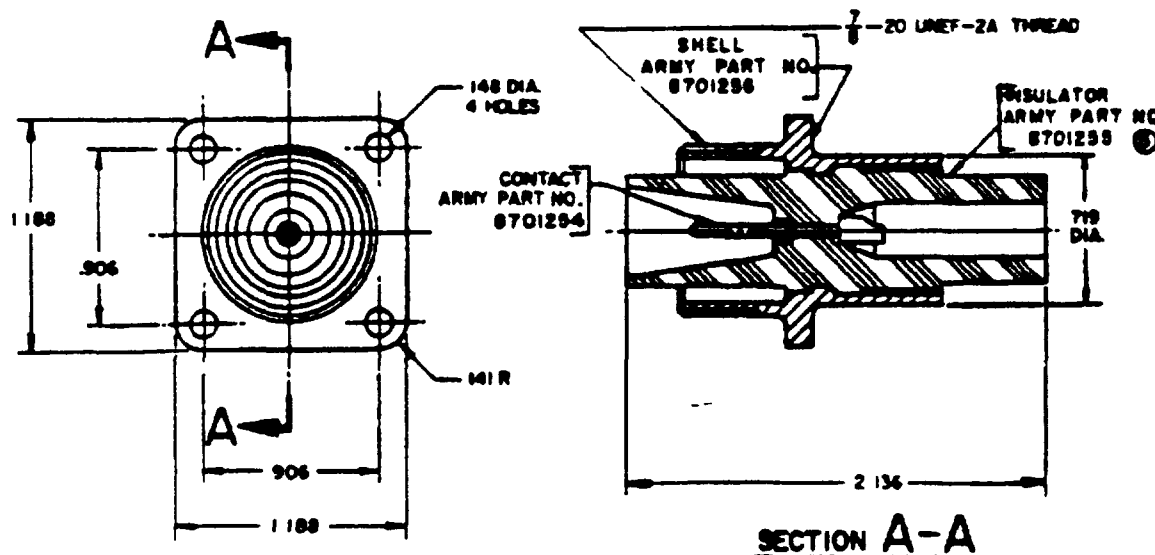


FED SUP CLASS  
5935ARMY-ME, CR  
NAVY-ME  
AF-11

USAB ACTIVITIES

DLA-ES

DEVILM ACTIVITY



## NOTES

- 1 FOR DUMMY CONNECTOR PLUG, SEE MS27193.
- 2 THIS CONNECTOR, WHEN ASSEMBLED TO MATING PLUG MS27191 AND USING MIL-C-17/74 CABLE AS A CONDUCTOR, MUST WITHSTAND THE FOLLOWING POTENTIALS AND OPERATING TEMPERATURES FOR ONE MINUTE
 

PART NO	POTENTIAL	OPERATING TEMPERATURE
MS27190-1	17.7KV	-65°F THRU 125°F
MS27190-2	20.0KV	-65°F THRU 160°F
- 3 THE INSULATION RESISTANCE SHALL BE MEASURED PRIOR TO THE APPLICATION OF ANY SILICONE COMPOUND
- 4 COAT INTERNAL AND EXTERNAL SURFACES OF INSULATOR-ARMY PART NO. 8701255 WITH SILICONE COMPOUND MIL-S-8660 PRIOR TO FINAL ASSEMBLY
- 5 MS27190-2 SHALL HAVE AN INSULATOR CONFORMING DIMENSIONALLY TO 8701255 EXCEPT MATERIAL SHALL BE RUBBER MOLDED GRADE RS820A, B, C, F, MIL-R-3065. INSULATION RESISTANCE SHALL EXCEED 5(10)<sup>4</sup> MEGOHMS WHEN TESTED IN ACCORDANCE WITH MIL-STD-202 METHOD 302 TEST CONDITION-B
- 6 THREADS SHALL BE IN ACCORDANCE WITH SCREW THREAD STANDARDS FOR FED-STD-H28
- 7 DIMENSIONS ARE IN INCHES AND ARE FOR ENGINEERING REFERENCE ONLY.
- 8 FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN
- 9 THIS STANDARD IS NOT INTENDED TO LIMIT CONSTRUCTION TO FEATURES OTHER THAN AS SHOWN HEREON BY DIMENSIONS, NOTATIONS OR REFERENCED DOCUMENTS.
- 10 REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.
- 11 MARKING SHALL CONSIST OF THE MS PART NUMBER AND MANUFACTURER'S IDENTIFICATION IN ACCORDANCE WITH MIL-STD-130
- 12 REFERENCED ARMY DRAWINGS MAY BE OBTAINED FROM U S ARMY TANK-AUTOMOTIVE COMMAND, WARREN, MICHIGAN 48397-5000

(B) DENOTES CHANGE

MS PART NO.	FORMER ARMY PART NO.
MS27190-1	7388345
MS27190-2	NONE(SEE NOTE 5)

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P A Other Cust AF	ARMY-AT TITLE CONNECTOR, RECEPTACLE, ELECTRICAL- HIGH VOLTAGE, WATERPROOF	MILITARY STANDARD <b>MS 27190</b>
PROCUREMENT SPECIFICATION NONE	SUPERSEDES	SHEET 1 OF 1

DD FORM 672-1 Coordinated

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

9975-3983

APPROVED 9 FEB 1962 REVISED (A) 30 SEPT 1969 (B) 13 MAR 1967