

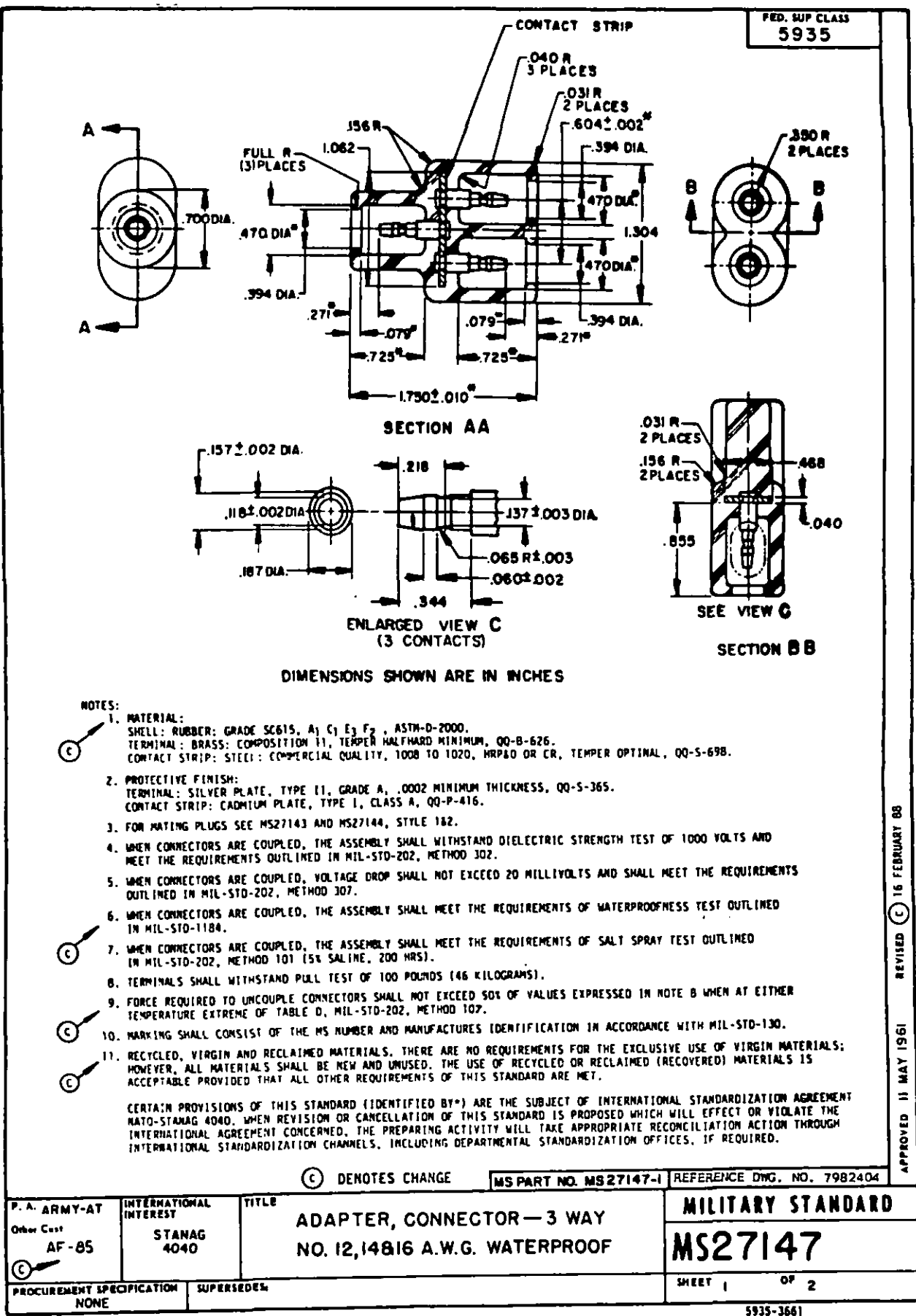
USER ACTIVITIES: NAVY-MC, YD

REVIEWER ACTIVITIES: ARMY-ME:CR

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.

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

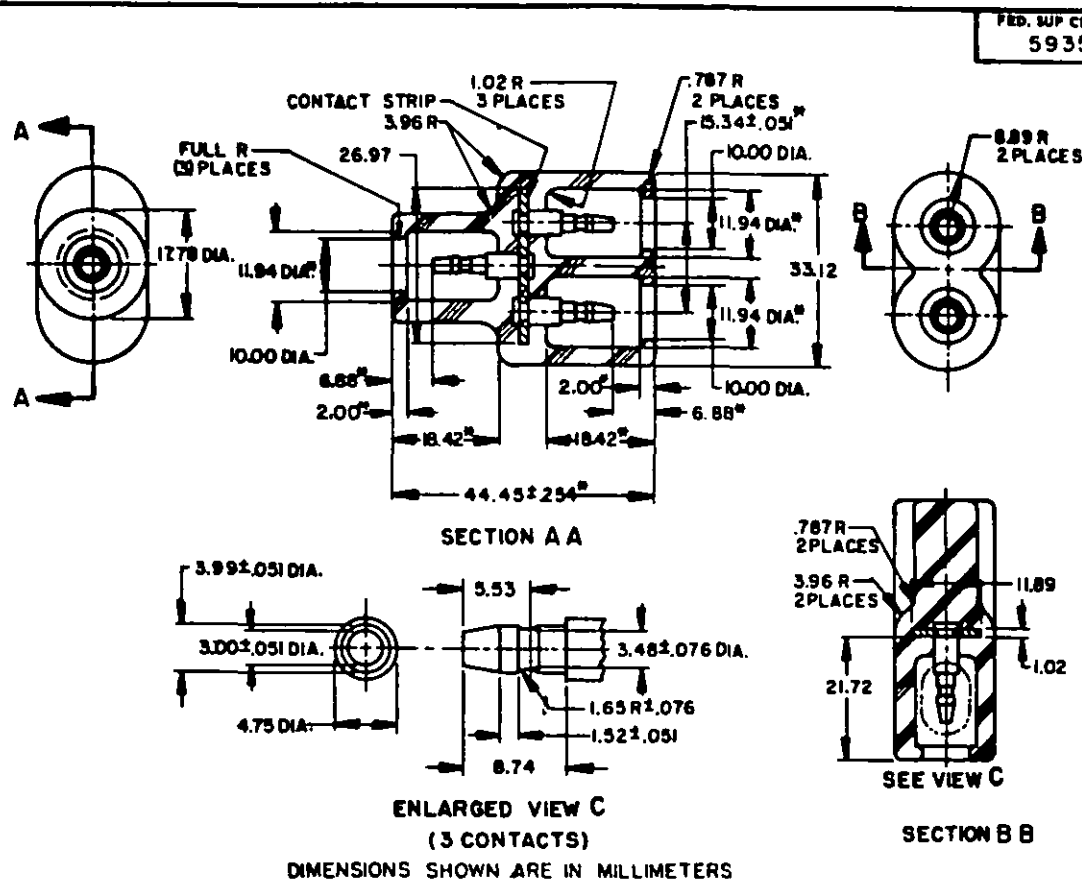


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NOTES:

1. MATERIAL:
SHELL: RUBBER: GRADE SC615, A₁ C₁ E₁ F₂, ASTM-D-2000.
TERMINAL: BRASS: COMPOSITION 11, TEMPER HALFHARD MINIMUM, QQ-B-626.
CONTACT STRIP: STEEL: COMMERCIAL QUALITY, 1008 TO 1020, HRP&O OR CR, TEMPER OPTIMAL, QQ-S-698.
2. PROTECTIVE FINISH:
TERMINAL: SILVER PLATE, TYPE II, GRADE A, .0002 MINIMUM THICKNESS, QQ-S-365.
CONTACT STRIP: CADMIUM PLATE, TYPE I, CLASS A, QQ-P-416.
3. FOR MATING PLUGS SEE MS27143 AND MS27144, STYLE 1&2.
4. 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.
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 MEET THE REQUIREMENTS OF WATERPROOFNESS TEST OUTLINED IN MIL-STD-1184.
7. WHEN CONNECTORS ARE COUPLED, THE ASSEMBLY SHALL MEET THE REQUIREMENTS OF SALT SPRAY TEST OUTLINED IN MIL-STD-202, METHOD 101 (5% SALINE, 200 HRS).
8. TERMINALS SHALL WITHSTAND PULL TEST OF 100 POUNDS (46 KILOGRAMS).
9. FORCE REQUIRED TO UNCOUPLE 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. MARKING SHALL CONSIST OF THE MS NUMBER AND MANUFACTURER'S IDENTIFICATION IN ACCORDANCE WITH MIL-STD-130.
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.

APPROVED 11 MAY 1961 (C) For changes see page 1 and 2

P. A. Other Cost	INTERNATIONAL INTEREST	TITLE ADAPTER, CONNECTOR—3 WAY NO. 12,14816 A.W.G. WATERPROOF	MILITARY STANDARD MS27147
PROCUREMENT SPECIFICATION	SUPERSEDES	SHEET 2 OF 2	