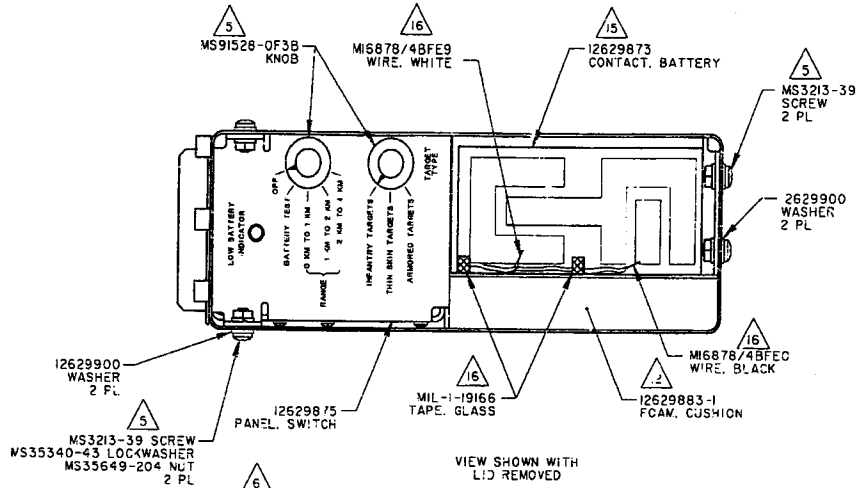
DRAWING SIZE F (ANSI/CR 70-12)

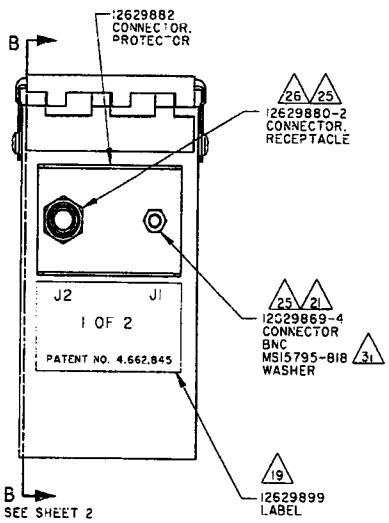
REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
XL	SEE DCN 07492	87-08-07	J.TAMAYO
—	PRODUCTION RELEASE ERR F614051	87-08-1	W.G.
A	NCR D714601 87-11-20 (ECP D814052 88-04-26) (ECP D814055 88-07-27) (ECP D814311 88-01-15)		

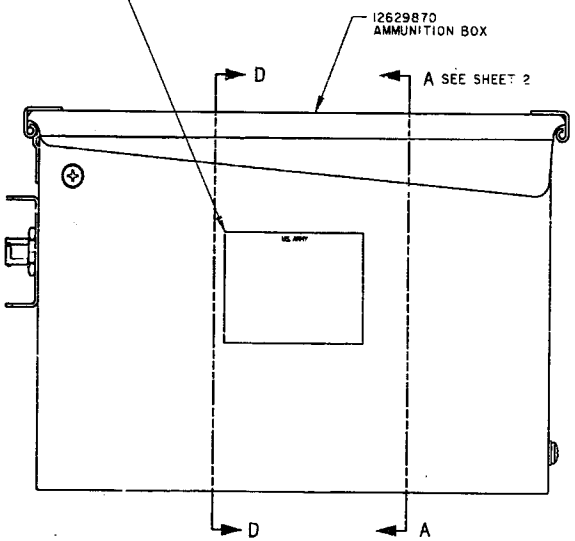
NOTES: UNLESS OTHERWISE SPECIFIED

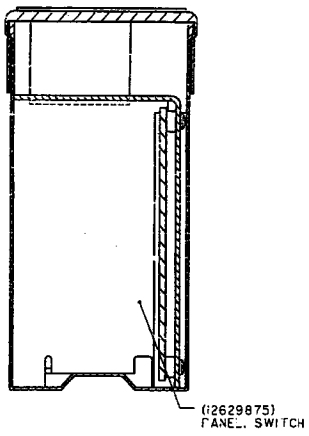
1. INTERPRET DRAWING PER DOD-STD-100.
2. WORKMANSHIP TO BE PER MIL-STD-454, REQT 9.
3. SEE DRAWING 12629888 FOR INTERCONNECTION DIAGRAM.
4. WIRING TERMINATIONS SHALL BE IN ACCORDANCE WITH WIRE LIST 12629889.
5. APPLY MIL-S-46163 (COMPOUND, THREAD-LOCKING) TO FASTENER THREADS, EXCEPT FOR KNOB SET SCREW, S1 AND S2 SWITCHES AND MS3213-39 (SCREWS).
6. MARK GOVERNMENT SUPPLIED IDENTIFICATION PLATE WITH APPLICABLE INFORMATION PER MIL-STD-130 AND INSTALL APPROXIMATELY WHERE SHOWN.
7. THIS ASSEMBLY CONTAINS COMPONENTS THAT MAY BE DEGRADED OR DAMAGED BY INADVERTENT DISCHARGE OF STATIC ELECTRICITY. HANDLING PROCEDURES, EQUIPMENT AND PACKAGING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF DOD-STD-1686 FOR CLASS I AND II SENSITIVITY
8. SOLDER PER MIL-STD-454, REQT 5 USING SN60WRMAP3, SN62WRMAP3 OR SN63WRMAP3 (SOLDER) AND MIL-F-4256 (FLUX).
9. ELECTRICAL CONNECTORS SHALL RETAIN THEIR PROTECTIVE DUST CAPS.
10. APPLY 11749371 (INSULATING COMPOUND) TO ALL WIRE TERMINATIONS AT PWBA ONLY.
11. TORQUE ALL THREADED FASTENERS PER SPECIFICATION 9359250.
12. BOND 12629883-1 (FOAM) TO 12629870 (AMMO BOX) USING 2629898-1 (ADHESIVE, PRESS SENSITIVE).
13. BOND 12629883-2 (FOAM) TO 12629870 (AMMO BOX) USING 2629898-2 (ADHESIVE, PRESS SENSITIVE).
14. BOND 12629874 (FOAM, BOTTOM) TO 12629875 (PANEL, SWITCH) USING 12629898-3 (ADHESIVE, PRESS SENSITIVE).
15. ALIGN TWO EDGES OF 12629873 (CONTACT, BATTERY) WITH 12629874 (FOAM, BOTTOM) AS SHOWN. BOND USING 12629898-3 (ADHESIVE, PRESS SENSITIVE).
16. SOLDER MI6878/48FE9 AND MI6878/48FE0 (WIRES) TO 12629873 (CONTACT, BATTERY). SECURE WIRES TWO PLACES WITH MIL-I-19166 (TAPE, GLASS) APPROX WHERE SHOWN.
17. LEADS OF 11749102-1 (LED) TO BE TRIMMED AS REQUIRED.
18. DELETED
19. POSITION LABEL APPROXIMATELY AS SHOWN.
20. DELETED
21. APPLY A SMALL BEAD OF MIL-A-46106 SEALANT AROUND J1 AT INTERFACE WITH CONNECTOR PROTECTOR AFTER TREATING BOTH SURFACES WITH MIL-A-46106 PRIMER SO AS TO PROVIDE A LEAK PROOF SEAL BETWEEN J1 AND THE CONNECTOR PROTECTOR. AFTER TORQUING J1 MAY NOT REMOVE EXCESS SEALANT ON EXTERIOR AT J1. A FILLET OF SEALANT MAY REMAIN AROUND J1 AT CONNECTOR PROTECTOR.
22. DELETED
23. DELETED
24. DELETED
25. THE REAR OF J1 AND J2 SHALL BE POTTED USING MIL-M-24041, CATAGORY B, TYPE II OR TYPE I MOLDING COMPOUND SO AS TO PROVIDE AN ENVIRONMENTAL SEAL FOR J1 AND J2 AND WIRE STRAIN RELIEF. ALL METAL SURFACES OF J1 AND J2 AND SOLDER JOINTS OF J1 THAT ARE IN CONTACT WITH MOLDING COMPOUND SHALL BE TREATED WITH MIL-M-2404 PRIOR TO POTTING.
26. APPLY MIL S 8660 SILICONE COMPOUND TO O-RING PRIOR TO INSTALLATION.
27. DELETED
28. THE END OF 24 AWG TWISTED SHIELDED PAIR TO BE SECURED WITH M23053/5-105-0 SLEEVING COVERING CABLE JACKET AND WIRES AND AS CLOSE TO PWB (A1) AS IS PRACTICABLE.
29. TORQUE HEX NUT OF S1 AND S2 (SWITCH) TO 8-10 IN LBS.
30. TOLERANCE: .XX ±.03
    .XXX ±.010
    ANGLES ±2°
31. INSTALL WASHER BETWEEN BNC CONNECTOR (J1) FLANGE AND INTERIOR OF AMMUNITION BOX.



VIEW SHOWN WITH LID REMOVED







SECTION D-D

—	—	A	A
—	—	SH2	SH1
REVISION STATUS OF SHEETS			

SEE SEPARATE PARTS LIST

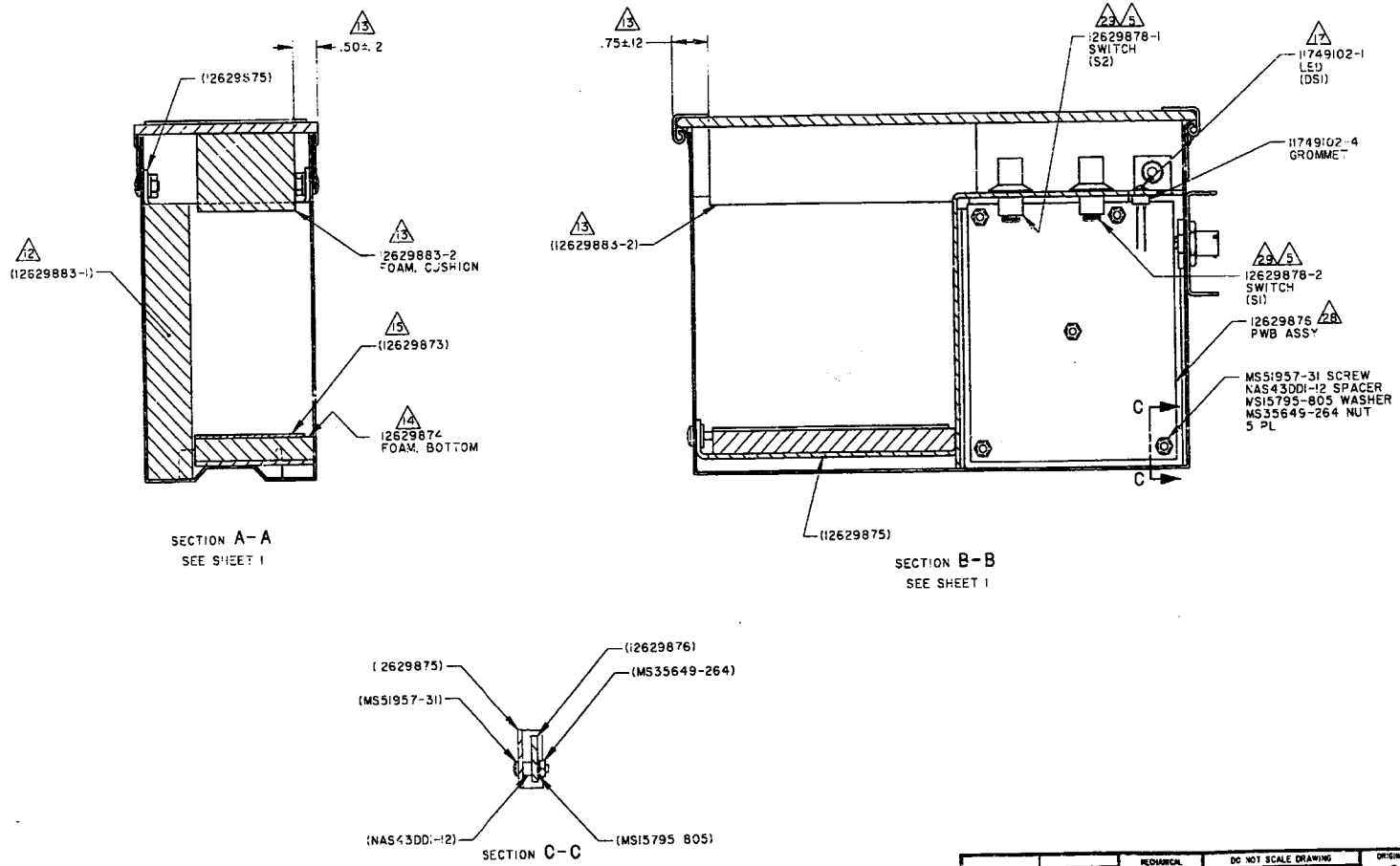
PART NO. 12629861

12629853 NEXT ASSY	LTID USED ON	MECHANICAL PROPERTIES	DO NOT SCALE DRAWING UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	ORIGINAL DATE OF DRAWING 86-12-22	U.S. ARMY ARMAMENT RESEARCH AND DEVELOPMENT CENTER COVER, NEW JERSEY 07801-5001
APPLICATION		VP	TOLERANCES ON DECIMALS ±	DR S. FOAT / CHECK H. DIBENNA	LASER TARGET INTERFACE ELECTRONIC ASSY
		TS	FRACTIONS ± ANGLES ± 30	ENGR R. BUSENSTEIN / ENGR S. TAYOR	
		BL2	THIRD ANGLE PROJECTION	ENGR / ENGR E. RICHARDS	
		RA		W.A. GILES PM TRADE	SIZE F / CAGE CODE 19200 / 12629861
		SH			SCALE 1:1 / UNIT WT. / SHEET 1 OF 2
		SH			

ATTACHMENT 033

DRAWING SIZE F
(ARRADCOMR 70-12)

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
XL	SEE DCN 07492	87-08-07	J.TAMAYO
	PRODUCTION RELEASE ERR F614051	87-08-11	W.G.
A	NOR D714S01 87-11-20 (ECP D814052 88-04-26)		



PART NO. 12629861

12629853	LTID		
NEXT ASSY	USED ON		
APPLICATION			

MECHANICAL PROPERTIES: TP, TB, RA, BH, RN

DO NOT SCALE DRAWING
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ON DECIMALS ± FRACTIONS ± ANGLES ± 30
THIRD ANGLE PROJECTION

ORIGINAL DATE OF DRAWING 86-12-22
DRAFTSMAN J.FOAT
CHECKER R.D'PERNA
ENGR B.RUBENSTEIN
ENGR K.YAYOS
ENGR W.A. GILES
PM TRADE
ENGR A.RICHARDS

U S ARMY ARMAMENT RESEARCH AND DEVELOPMENT COMMAND
DOVER, NEW JERSEY 07801

LASER TARGET INTERFACE ELECTRONIC ASSY

SIZE F | CODE IDENT NO. 19200 | 12629861
SCALE 1:1 | UNIT WT. | SHEET 2 OF