

INCH - POUND

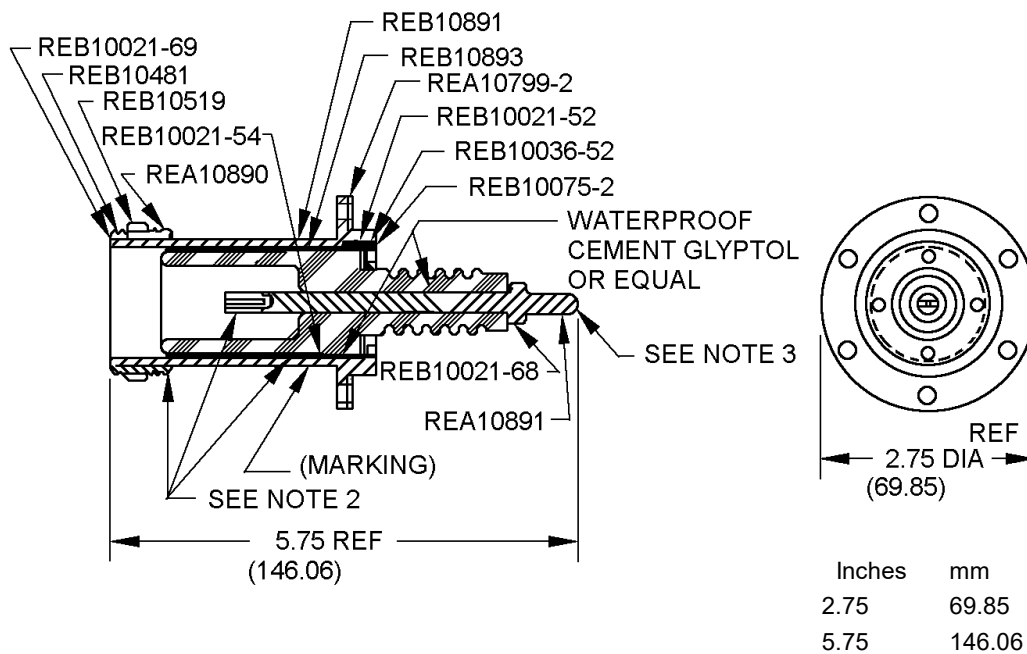
MIL-DTL-3607/3C
w/AMENDMENT 1
17 July 2019
SUPERSEDING
MIL-DTL-3607/3C
24 July 2013

DETAIL SPECIFICATION SHEET

CONNECTOR, RECEPTACLE, ELECTRICAL, SERIES PULSE, TYPE UG-37/U

This specification is approved for use by all Departments and Agencies of the Department of Defense.

The requirements for acquiring the product described herein shall consist of this specification sheet and MIL-DTL-3607.

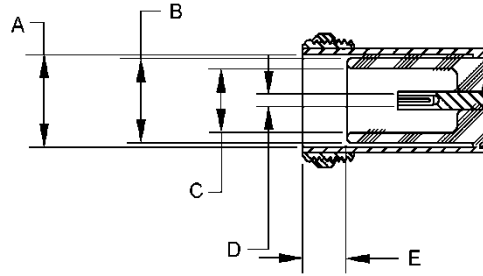


NOTES

1. Dimensions are in inches. Metric equivalents are given for information only. Unless otherwise specified, tolerances are ± 0.005 on decimals.
2. Contact, REA10890, and screw shall have a silver plating of 0.0002 (0.01) inch thick. All other metal parts shall be nickel-plated.
3. This item is a #5-40 UNC-2A x 3/8 inch long, brass, roundhead machine screw.
4. The concentricity of the contact, REA10890, with respect to the body, REB10892, shall be not more than 0.016 (0.41mm) total dial indicator reading. The concentricity of the insulator, REB10893, shall be not more than 0.020 (0.51mm) total indicator reading.

FIGURE 1. Type UG-37A/U electrical receptacle connector.





LTR	DIMENSIONS					
	INCHES			MILLIMETERS		
	MIN	NOM	MAX	MIN	NOM	MAX
A	1.508		1.513	38.30		38.40
B	1.281	1.312	1.344	32.54	33.32	34.14
C	.984	1.000	1.031	24.99	25.4	26.19
D	.172	.188	.203	4.37	4.76	5.16
E	.589	.594	.599	14.96	15.09	15.21

FIGURE 2. Dimensional requirements for group B inspection.

REQUIREMENTS

The electrical plug connector shall be of the design, construction, and physical dimensions specified on figure 1.

QUALITY ASSURANCE PROVISIONS

Sampling and inspection shall be in accordance with MIL-DTL-3607, and as specified herein.

Group B inspection shall be in accordance with MIL-DTL-3607. Mating dimensions shall be as specified on figure 2.

Leakage: The leakage test is not applicable.

Dielectric withstanding voltage: The test voltage for the dielectric-withstanding-voltage-test shall be 18,000 volts, root mean square.

Part or Identifying Number (PIN): M3607/3-01

Amendment notations. The margins of this specification are marked with vertical lines to indicate modifications generated by this amendment. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations.

Referenced documents. This document references MIL-DTL-3607.

CONCLUDING MATERIAL

Custodians:
Army - CR
Navy – EC
Air Force - 85
DLA - CC

Preparing activity:
DLA - CC

Review activities:
Air Force – 99
Army - MI

(Project 5935-2019-079)

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <https://assist.dla.mil>.