

INCH-POUND

MIL-DTL-642/5C  
25 July 2013  
SUPERSEDING  
MIL-DTL-642/5B  
9 June 2003

### DETAIL SPECIFICATION SHEET

### PLUGS, TELEPHONE (TYPE PJ-068)

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-642.

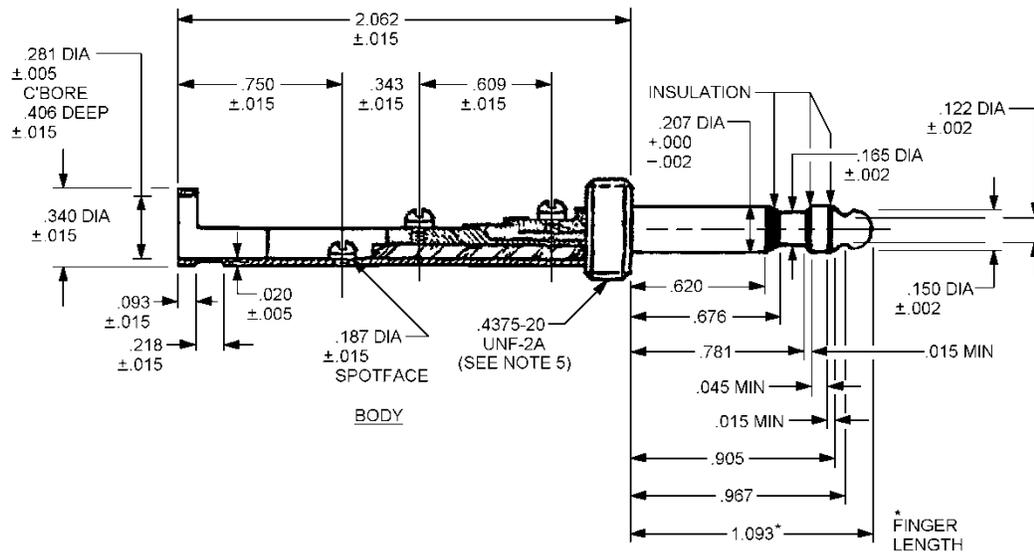
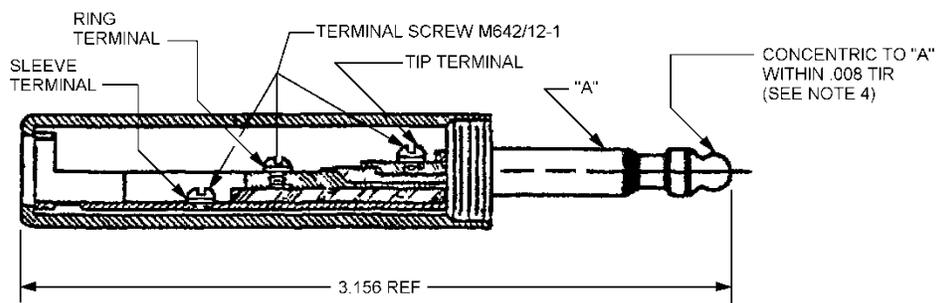
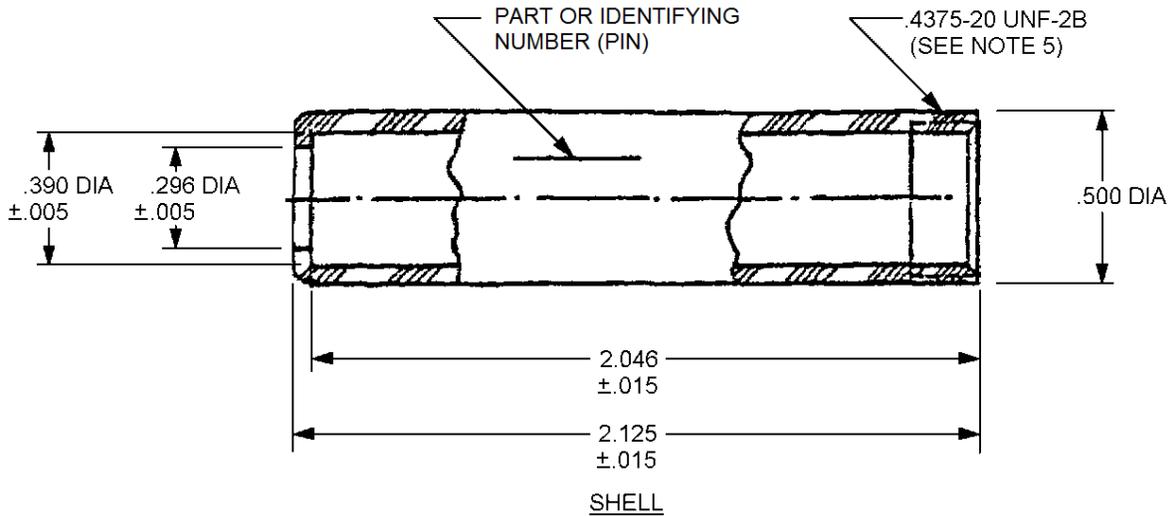


FIGURE 1. Dimensions and configuration.

MIL-DTL-642/5C



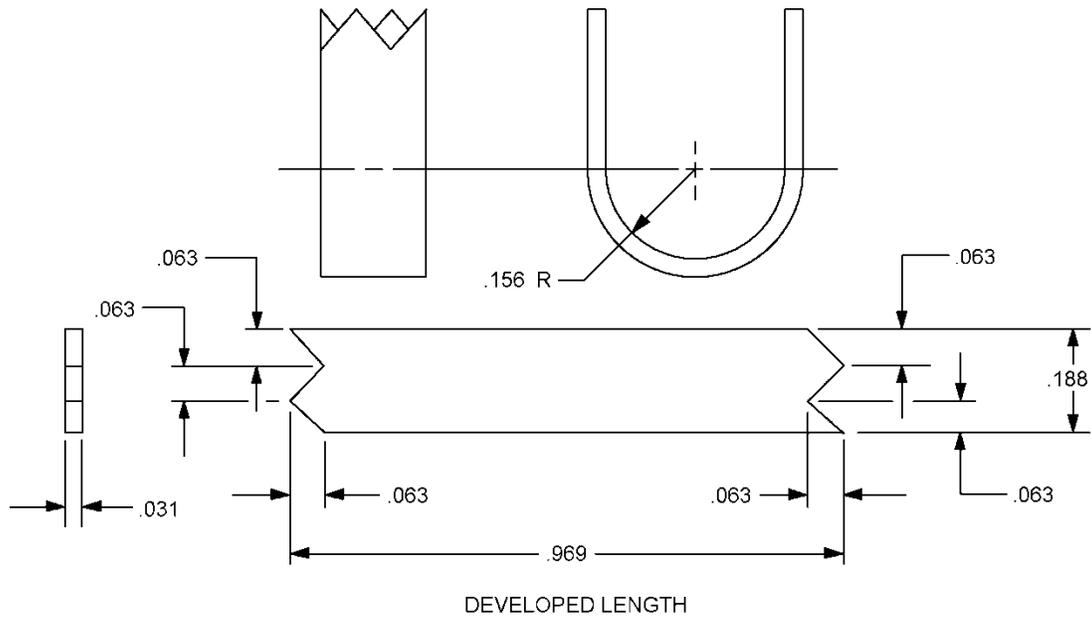
Inch/mm conversion chart					
Inches	mm	Inches	mm	Inches	mm
.002	.05	.207	5.26	.620	15.75
.005	.13	.218	5.54	.676	17.17
.008	.20	.281	7.14	.750	19.05
.015	.38	.296	7.52	.781	19.84
.020	.51	.340	8.64	.905	22.99
.045	1.14	.343	8.71	.967	24.56
.093	2.36	.390	9.91	1.093	27.76
.122	3.10	.406	10.31	2.046	51.97
.150	3.81	.4375	11.11	2.062	52.37
.165	4.19	.500	12.70	2.125	53.98
.187	4.75	.609	15.47	3.156	80.16

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information.
3. Unless otherwise specified, tolerance is  $\pm$  .010 (.25 mm).
4. After assembly, the eccentricity between the end of the shank and the tip of the plug shall not exceed .008 (.20 mm) TIR (total indicator reading).
5. Thread shall be in accordance with FED-STD-H28, and there shall be sufficient length of thread on the shell to assure a minimum thread engagement of four full threads between the shell and the body of the plug after assembled. When the plug shell and body are assembled, the shell shall not protrude beyond the shoulder of the plug.

FIGURE 1. Dimensions and configuration - Continued.

MIL-DTL-642/5C



Inch/mm conversion chart	
Inches	mm
.031	.787
.063	1.6
.156	3.96
.188	4.76
.969	24.61

NOTES:

1. Material shall be steel, as rolled, condition no. 3 quarter hard temper, regular bright finish, in accordance with QQ-S-698.
2. Finish shall be cadmium plate in accordance with SAE-AMS-QQ-P-416, type II, class C, or zinc coat, .0002 inch thick, with chromate treatment, in accordance with ASTM B633.
3. Remove all burrs and sharp edges.

FIGURE 2. Collar, cable.

MIL-DTL-642/5C

REQUIREMENTS

Dimensions and configurations: See figures 1 and 2.

Shell: Shall be black plastic in accordance with MIL-DTL-642.

Terminal screws: Shall be .086-64 UNF-2A in accordance with MIL-P-642/12.

One cable clamp, as shown on figure 2, shall be supplied with each plug.

Part or Identifying Number (PIN): M642/5-1.

The margins of this specification are marked with vertical lines to indicate where changes from the previous issue were made. 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 and relationship to the last previous issue.

Referenced documents. In addition to MIL-P-642, this document references the following:

- MIL-P-642/12
- QQ-S-698
- FED-STD-H28
- ASTM-B633
- SAE-AMS-QQ-P-416

CONCLUDING MATERIAL

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

Preparing activity:  
DLA - CC  
  
(Project 5935-2013-167)

Review activities:  
Army - AR, CR4, MI  
Navy - AS, MC, OS, SH

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>.