

INCH-POUND

MIL-DTL-27434/20A  
 22 May 2008  
 SUPERSEDING  
 MIL-A-27434/20  
 28 September 1960

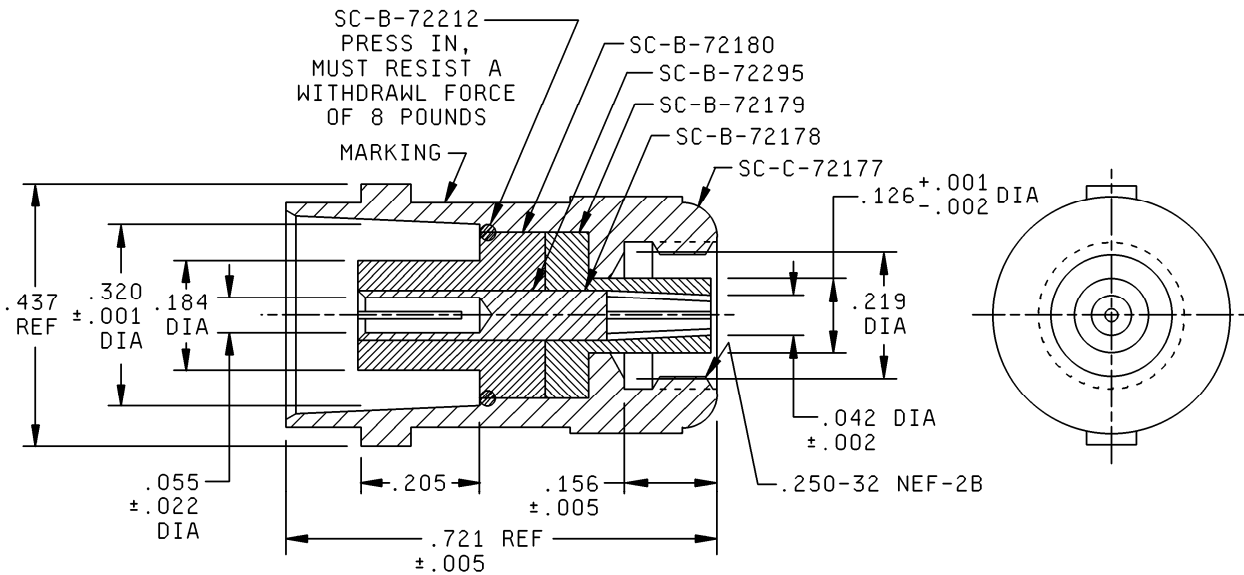
DETAIL SPECIFICATION SHEET

ADAPTER, CONNECTOR, COAXIAL, RADIOFREQUENCY,  
 BETWEEN SERIES, SERIES BNC to SERIES SM  
 TYPE UG-690/U

**Inactive for new design after  
 19 February 1982**

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-27434.



Inches	mm	Inches	mm
.001	0.03	.156	3.96
.002	0.05	.184	4.67
.005	0.13	.205	5.21
.022	0.56	.219	5.56
.042	1.07	.320	8.13
.055	1.40	.427	10.85
.126	3.20	.721	18.31

NOTES:

1. All dimensions are in inches.
2. Metric equivalents are given for information only.
3. Unless otherwise specified dimensional tolerances are  $\pm .005$  inches.

FIGURE 1. Type UG-690/U connector adapter.

AMSC N/A

FSC 5935

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ENGINEERING DATA:

Impedance: 50 ohms, nominal.

Voltage rating: 100 V rms, maximum at sea level.

Temperature rating: -65° C to +165° C.

REQUIREMENTS:

Dimensions and configuration: See figure 1.

Mating characteristics: Series BNC socket contact in accordance with MIL-STD-348, and series SM socket contact interface shall be in accordance with MIL-DTL-27434 after assembly.

Corrosion: Applicable.

Vibration: Applicable.

Shock: Applicable.

Part or Identifying Number (PIN): UG-690/U.

Supersession: This document supersedes (SigC) drawing MS35113.

Changes from previous issue. Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extent of the changes.

Referenced documents. In addition to MIL-DTL-27434, this document references the following:

MIL-STD-348  
SC-C-72177  
SC-B-72178  
SC-B-72179  
SC-B-72180  
SC-B-72212  
SC-B-72295

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CONCLUDING MATERIAL

Custodians:

Army - CR  
Navy - EC  
Air Force - 85  
DLA - CC

Preparing activity:

DLA - CC

(Project 5935-2007-006)

Review activities:

Navy – SH  
Air Force - 99

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 <http://assist.daps.dla.mil>.