

INCH-POUND

MS35118E  
 01 August 2013  
 SUPERSEDING  
 MS35118D  
 26 July 2006

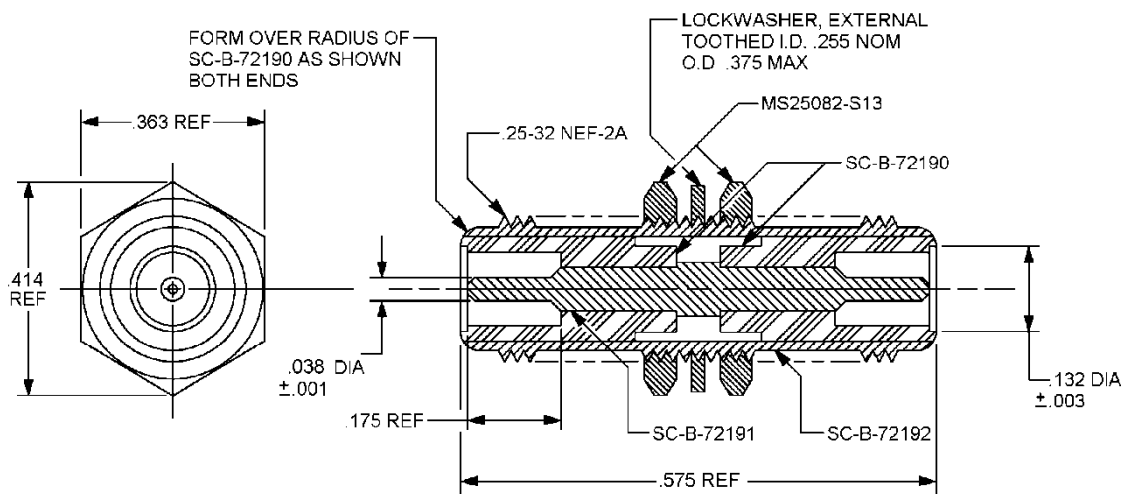
## DETAIL SPECIFICATION SHEET

CONNECTOR, RECEPTACLE, SERIES SM, UG-695/U

Inactive for new design after 15 June 1999

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	0.02	.266	6.76
.003	0.08	.363	9.22
.038	0.96	.375	9.52
.132	3.35	.414	10.51
.175	4.44	.875	22.22

## NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Unless otherwise specified tolerances shall be  $\pm .003$  Inch (0.08 mm).

FIGURE 1. Connector, receptacle, series SM, UG-695/U.

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## Engineering Information:

Frequency range: DC to 500 MHz.

Voltage rating: 100 volts peak.

## Applicable drawings

Quantity	Description	Material	Drawing or MS
2	Insulator	Plastic	SC-B-72190
1	Contact	Brass	SC-B-72191
1	Body	Brass	SC-B-72192
1	Lock washer	Ph. Bronze	
2	Nut, Hex	Brass	MS25082-S13

## Requirements:

Dimensions and configuration shall be specified on figure 1.

The insulator shall have no visible cracks or flaws.

All metal parts shall be free from chips, burrs and scratches in accordance with best commercial practices.

All metal parts (except the center contact) shall have a silver plate in accordance with ASTM B700 a minimum thickness of 0.000200 inches, (5.08  $\mu$ m).

Center contacts shall be gold plated to a minimum of 50 $\mu$  inches in accordance with ASTM B488, type II, code C, class 1.27.

Corrosion: In accordance with test procedure EIA/ECA 364-26, test condition B.

All threads shall be in accordance with FED-STD-H28.

Part or Identifying Number (PIN): MS35118-1.

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

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

SC-B-72190  
SC-B-72191  
SC-B-72192  
ASTM B488  
ASTM B700  
EIA/ECA 364-26  
FED-STD-H28

CONCLUDING MATERIAL

Custodians:  
Army – CR  
DLA – CC

Preparing activity:  
DLA – CC

(Project 5935-2013-156)

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>.