

INCH-POUND

MS35118E
 01 August 2013
 SUPERSEDING
 MS35118D
 26 July 2006

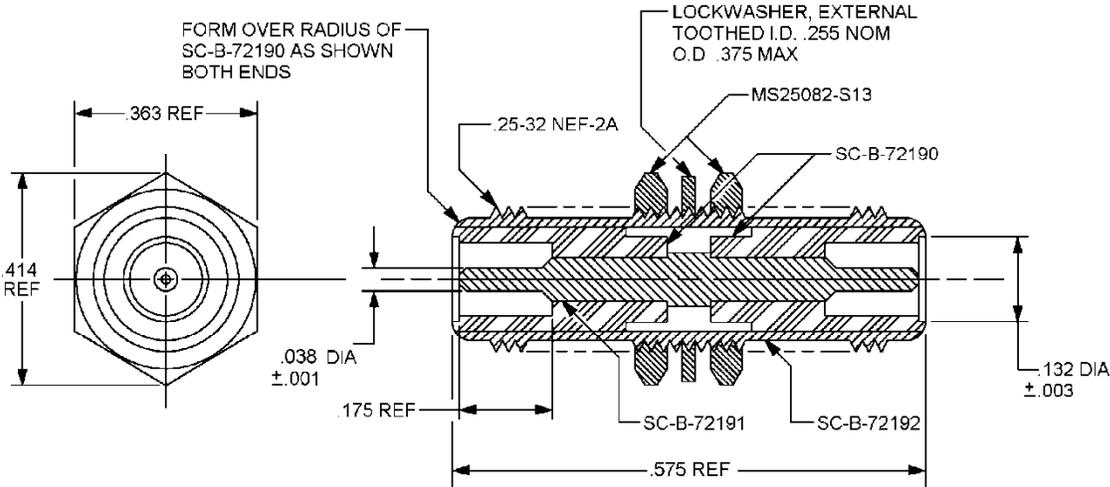
DETAIL SPECIFICATION SHEET

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 ± .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 μm).

Center contacts shall be gold plated to a minimum of 50 μ 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>.