FEDERAL SUPPLY CLASS
5935

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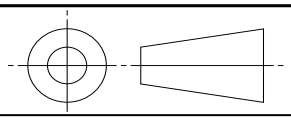
ISSUED 2001-03 STABILIZED 2011-03

THIRD ANGLE PROJECTION



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CUSTODIAN: AE-8C1

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# AEROSPACE STANDARD

CONTACTS, ELECTRICAL CONNECTOR, SOCKET, CRIMP REMOVABLE, SHIELDED (FOR MIL-C-26482 SERIES 2 AND MIL-C-81703 SERIES 3 CONNECTORS)

SAE AS39029/8
SHEET 1 OF 5

REV. A



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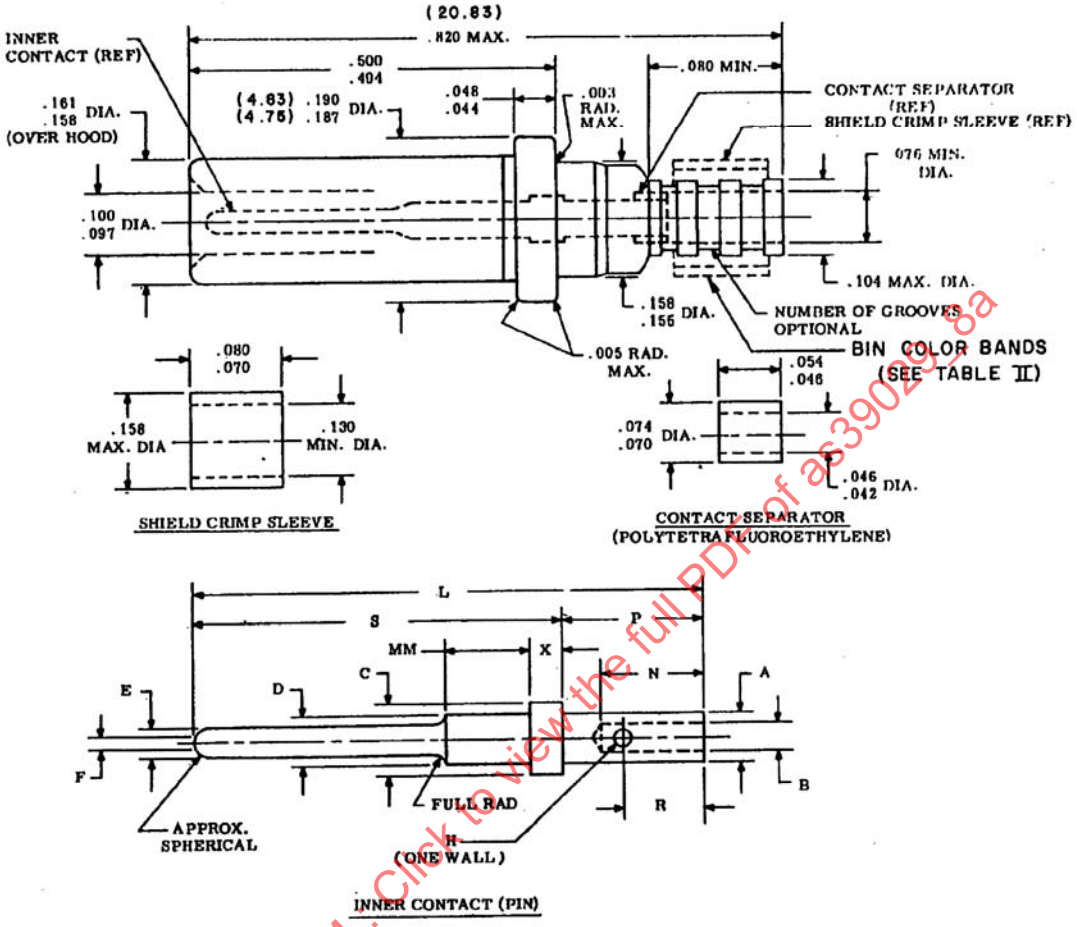
THE COMPLETE REQUIREMENTS FOR PROCURING THE CONTACTS DESCRIBED HEREIN SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF SPECIFICATION MIL-C-39029.




NOTES:

1. Dimensions are in inches.
2. Metric equivalents (to the nearest .01 mm) are given for general information only and are based upon 1 inch = 25.4 mm.
3. Metric equivalents are in parentheses for overall length and diameter only.
4. Dimensions shown apply after plating.

TABLE I. DIMENSIONS.

| BIN code | A MAX DIA | B DIA | C DIA | D MAX DIA | E DIA | F MAX FLAT DIA | H DIA | L (REF) | N MIN | P | R | S | X | MM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 129 | .047 | .017 | .061<br>.055 | .047 | .0295<br>.0280 | .019 | .022<br>.016 | .708 | .155 | .222<br>.202 | .155<br>.140 | .506<br>.486 | .036<br>.033 | .164<br>.147 |
| 130 | .047 | .023 | .061<br>.055 | .047 | .0295<br>.0280 | .019 | .022<br>.016 | .708 | .155 | .222<br>.202 | .155<br>.140 | .506<br>.486 | .036<br>.033 | .164<br>.147 |
| 131 | .047 | .027 | .061<br>.055 | .047 | .0295<br>.0280 | .019 | .022<br>.016 | .708 | .155 | .222<br>.202 | .155<br>.140 | .506<br>.486 | .036<br>.033 | .164<br>.147 |

TABLE II. DESIGN CHARACTERISTICS.

| BIN code | Color bands | | | Contact cavity size | Cables accommodated | Type | Class |
|---|---|---|---|---|---|---|---|
| | 1st | 2nd | 3rd | | | | |
| 129 | Brown | Red | White | 12 | RG-178 B/U,<br>RG-178 A/U,<br>RG-196 A/U,<br>30 AWG<br>28 AWG | D | B |
| 130 | Brown | Orange | Black | 12 | RG-174/U,<br>RG-188 A/U,<br>26 AWG | | |
| 131 | Brown | Orange | Brown | 12 | 24 AWG | | |



REQUIREMENTS:

Dimensions, design characteristics, and configuration: See figure and tables I and II.

Tools: See table III.

Mating contact: MIL-C-39029/7.

Manufacturer's recommended assembly instruction to be shipped with unit package.

Preparation of samples: Contacts shall be wired as required using wire in accordance with table II (cables accommodated column).

Contact resistance:
Outer contact - 3 mV at 1 ampere.
Inner contact - 10 mV at 1 ampere.

Dielectric withstanding voltage:
Sea level - 700 Vac, rms.
70,000 feet - 200 Vac, rms.