

RATIONALE

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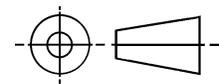
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THIRD ANGLE PROJECTION



REAFFIRMED 2006-08

ISSUED 2000-07

PREPARED BY SAE SUBCOMMITTEE AE-8C1



AEROSPACE STANDARD

CONTACTS, ELECTRICAL CONNECTOR, PIN,
CRIMP REMOVABLE, COAXIAL, SIZE 1
(FOR DOD-C-83527 CONNECTORS)

AS39029/97
SHEET 1 OF 4

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AS39029/97

| Inches | mm | Inches | mm |
|--------|------|--------|-------|
| .001 | 0.03 | .304 | 7.72 |
| .058 | 1.47 | .307 | 7.80 |
| .062 | 1.57 | .312 | 7.92 |
| .066 | 1.68 | .317 | 8.05 |
| .092 | 2.34 | .456 | 11.58 |
| .093 | 2.36 | .458 | 11.63 |
| .094 | 2.39 | .496 | 12.60 |
| .119 | 3.02 | .502 | 12.75 |
| .122 | 3.10 | .539 | 13.69 |
| .188 | 4.78 | .549 | 13.94 |
| .255 | 6.48 | .592 | 15.03 |
| .302 | 7.67 | .596 | 15.14 |

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. See MIL-C-39029 for option.

FIGURE 1. PIN CONTACTS - CONTINUED.

REQUIREMENTS:

Dimensions and configuration: See figure 1 and table I.

Mating contact: MIL-C-39029/98A.

Materials:

Body: Brass, half-hard or copper-beryllium.

Insulator: MIL-P-19468.

Crimp ferrule: Copper, annealed.

Gasket: Silicone rubber.

Plating: Gold as required for MIL-C-39029, type D contacts.

Performance:

Temperature range: -65°C to +165°C.

Impedance: 50 ohms nominal.

VSWR: 1.70:1 maximum.

Frequency range: 0 to 5 GHz.

Insertion loss: 0.3 dB.

Contact resistance:

Outer contact: 0.2 milliohm maximum.

Inner contact: 1.0 milliohm maximum.

Rated voltage: 1,000 V rms at sea level.