

NOTES:

REFERENCE STANDARD IEC60169-4

I. ELECTRICAL PERFORMANCE -

NOMINAL IMPEDANCE : 50
 FREQUENCY RANGE : DC-3.0 GHz
 VSWR : 1.100 MAX.
 INSERTION LOSS : -0.100 dB MIN. (@3.0 GHz)
 PIM : -165 dBc MAX. (2x43 dBm)
 INSULATION RESISTANCE : 5000 MΩ MIN.
 D.W.V. : 2500 VRMS
 CONDUCTOR RESISTANCE : OUTER CONDUCTOR 0.5 mΩ MAX.
 INNER CONDUCTOR 1.0 mΩ MAX.

II. MECHANICAL PERFORMANCE -

RETENTION : 7/16:>5.88N MIN. 4.1/905:>4.00N MIN.
 AXIAL FORCE : 200N
 MATING CYCLES : 500 MIN.

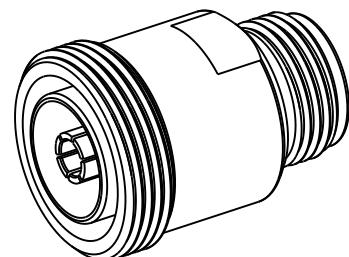
III. MATERIAL AND PLATING -

INNER CONDUCTOR : SPRING COPPER ALLOY, PLATING = Ag (5µm MIN.)
 OUTER CONDUCTOR : BRASS, PLATING = COPPER-TIN-ZINC (2µm MIN.)
 INSULATOR : PTFE

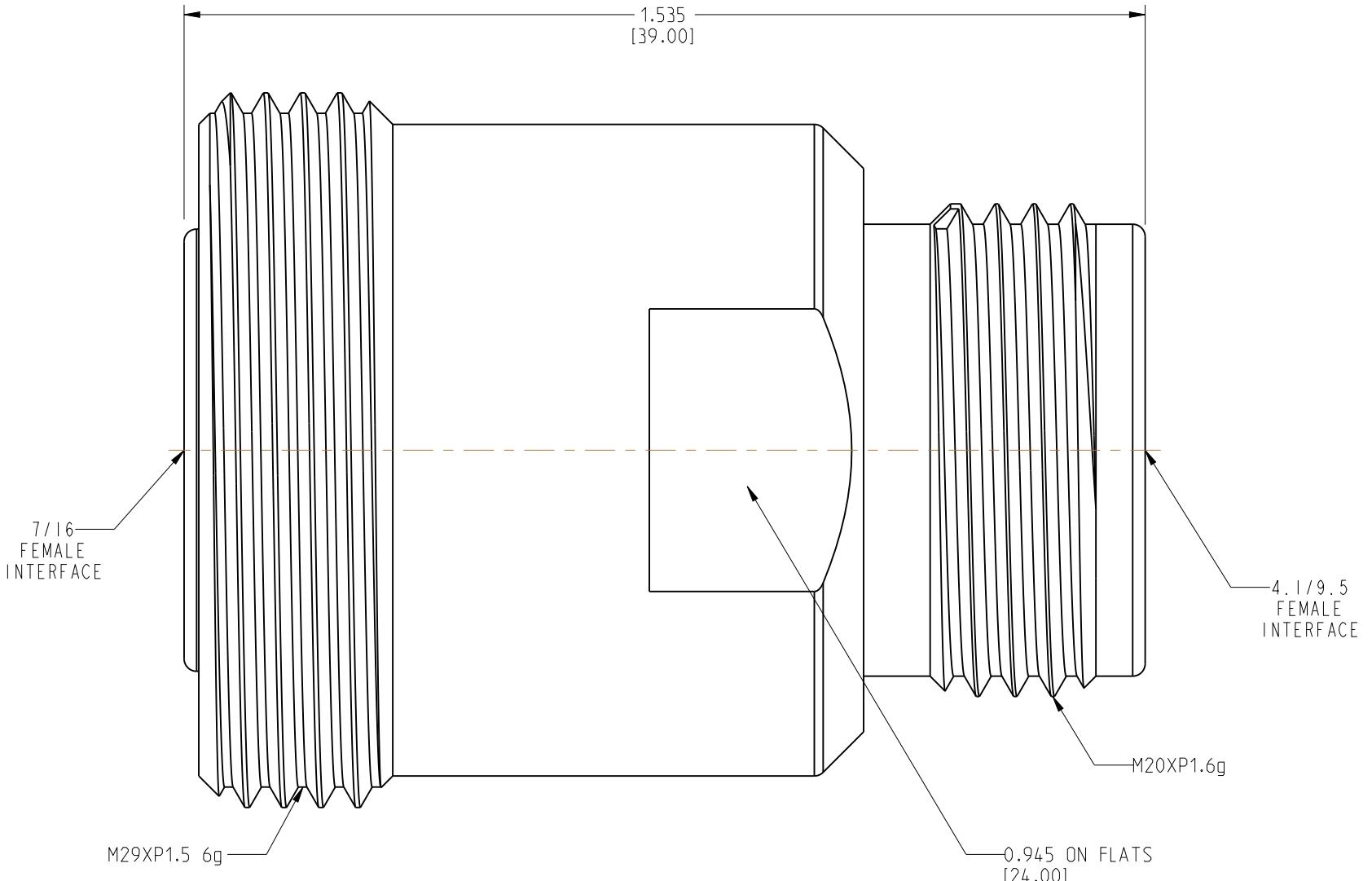
IV. ENVIRONMENTAL -

TEMP. RANGE : -40°C TO +85°C
 WEATHER STANDARD : IEC 60068 40/ 85/ 21
 THERMAL SHOCK : MIL-STD 202, METHOD 107, CONDITION B
 VIBRATION : MIL-STD 202, METHOD 204, CONDITION B
 SHOCK : MIL-STD 202, METHOD 213, CONDITION I
 ROHS COMPLIANT

242276	REVISIONS		
DRAWING NO.	REV	DESCRIPTION	DATE
THIRD ANGLE PROJ. 	A	RELEASE TO MFG.	05-Sep-13



SCALE 1.000

CUSTOMER OUTLINE DRAWING
ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES AND TOLERANCES ARE:
 2 PLACE DECIMAL 3 PLACE DECIMAL ANGLES
 ±.015 (0.381 mm) ±.005 (0.127 mm) ± 1°

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MATERIAL SEE NOTES REFERENCE	DRAWN KARTHIK R	DATE 05-Sep-13	TITLE 7/16 FEMALE TO 4.1/9.5 FEMALE ADAPTER	Amphenol Connex
	ENGINEER KARTHIK R	DATE 05-Sep-13		
	APPROVED B.C. GLEISSNER	DATE 09-Sep-13		
	CAD FILE	DWG SIZE B	DRAWING NO. 242276	REV A

Mouser Electronics

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