

NOTE:

I. ELECTRIC PERFORMANCE

IMPEDANCE ( $\Omega$ ) : 50

FREQUENCY RANGE : DC-6GHz

VSWR :  $\leq$  1.12 (DC-3 GHz)

:  $\leq$  1.5 (3-6 GHz)

INSERT LOSS (dB) :  $\leq$  0.15

PIM(dBc) :  $\leq$ -160

INSULATION RESISTANCE ( $M\Omega$ ) : >5000

PROOF VOLTAGE (V) : 1000

CONDUCTOR RESISTANCE ( $m\Omega$ ) : OUTER CONDUCTOR <2

: INNER CONDUCTOR <2.5

II. MECHANICAL PERFORMANCE

SMA NUT TORQUE : 0.9 N.m

MECHANICAL WEAR : 500

III. MATERIAL AND PLATING

INNER CONDUCTOR : BRASS PLATING Au 0.1 $\mu$ m

OUTER CONDUCTOR : BRASS PLATING COPPER-TIN-ZINC 2 $\mu$ m

SMA COUPLING NUT : BRASS PLATING COPPER-TIN-ZINC 2 $\mu$ m


INSULATOR : PTFE

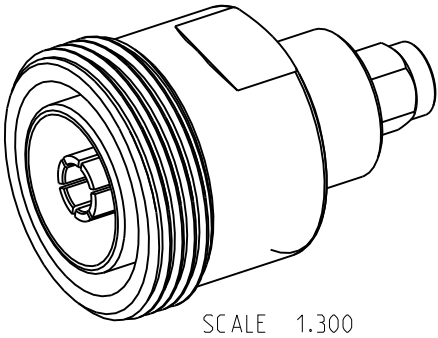
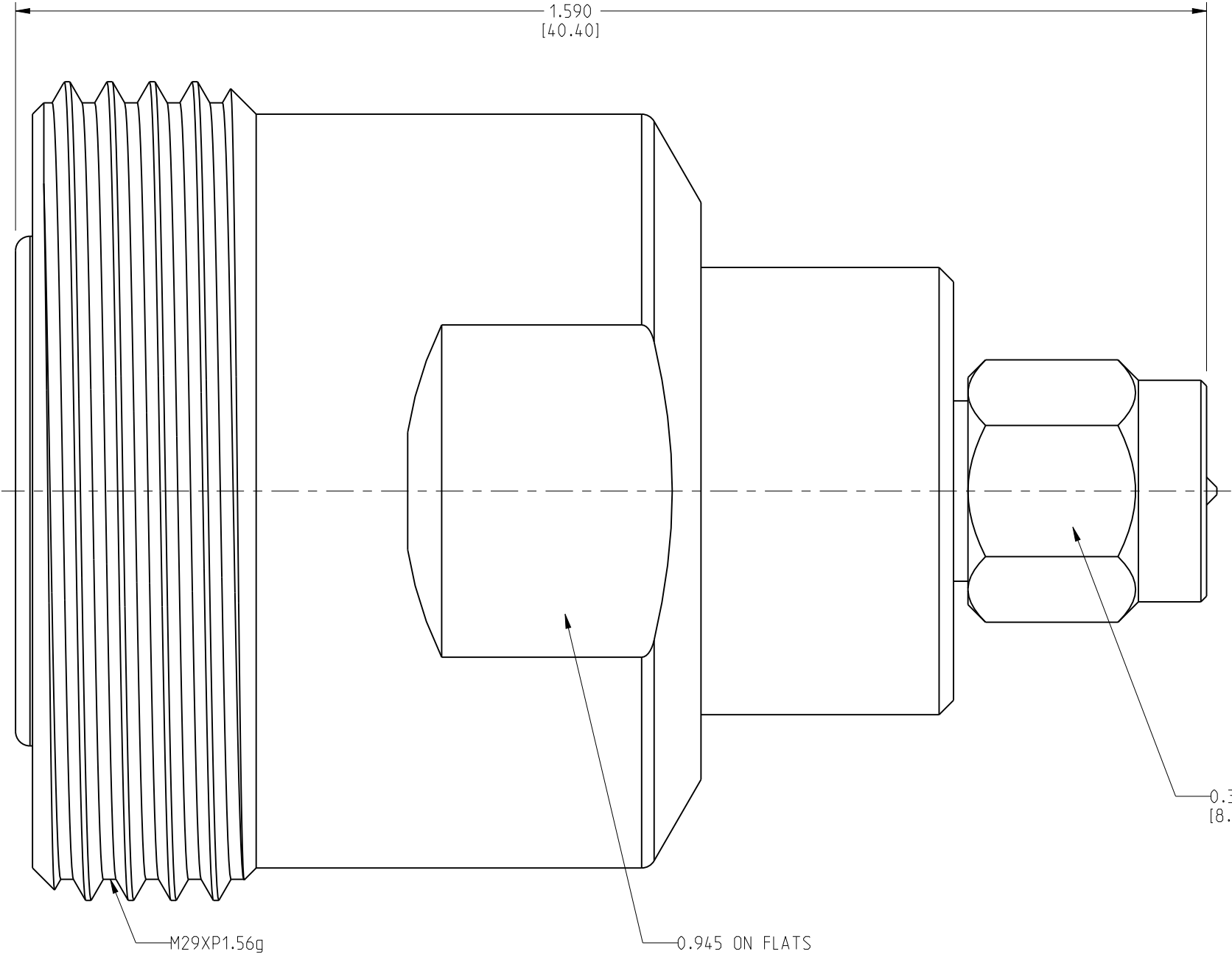
IV. ENVIRONMENT

TEMP.RANGE : -55°C TO +155 °C

WATERPROOF STANDARD : IP67

ROHS COMPLIANT

242266	REVISIONS				
DRAWING NO.	REV	DESCRIPTION	DATE	ECO	APPR
THIRD ANGLE PROJ. 	A	RELEASE TO MFG	01-Oct-12	--	KR
	B	CORRECT BOM, UPDATE NOTES	25-Feb-13	2453	CL



5	INNER CONDUCTOR	BRASS	GOLD	1
4	NUT	BRASS	WHITE BRONZE	1
3	INSULATOR	PTFE	NATURAL	1
2	OUTER CONDUCTOR	BRASS	WHITE BRONZE	1
1	BODY	BRASS	WHITE BRONZE	1
NO	DESCRIPTION	MATERIAL	FINISH	QTY

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°  NOTICE - These drawings, specifications, or other data (1) are, and remain the property of Amphenol Corp. (2) must be returned upon request; and (3) are confidential and not to be disclosed to any person other than those to whom they are given by Amphenol Corp. The furnishing of these drawings, specifications, or other data by Amphenol Corp., or to any other person to anyone for any purpose is not to be regarded by implication or otherwise in any manner licensing, granting rights or permitting such holder or any other person to manufacture, use or sell any product, process or design, patented or otherwise, that may in any way be related to or disclosed by said drawings, specifications, or other data.	MATERIAL	DRAWN	DATE	TITLE 7/16 FEMALE TO SMA MALE ADAPTER, LOW PIM		Amphenol Connex	
	SEE NOTES	KARTHIK R	25-Feb-13				
		ENGINEER KARTHIK R	DATE 25-Feb-13				
	REFERENCE	APPROVED	DATE	SCALE: 5.1:1		SHEET    1   OF    1	
		CAD FILE			DWG SIZE B	DRAWING NO. 242266	

# Mouser Electronics

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