

REFERENCE STANDARD IEC60169-16

1.ELECTRIC PERFORMANCE:  
 NOMINAL IMPEDANCE( $\Omega$ ) : 50  
 FREQUENCY RANGE : DC-6 GHz  
 VSWR :  $\leq 1.10$   
 PIM(dBc) :  $\leq -160$  (2X43dBm)  
 INSERT LOSS :  $\leq 0.05$   
 INSULATION RESISTANCE ( $M\Omega$ ) :  $\geq 5000$   
 PROOF VOLTAGE (V) : 1500  
 CONDUCTOR RESISTANCE ( $m\Omega$ ) : OUTER CONDUCTOR<0.4  
 INNER CONDUCTOR<0.8

2.MECHANICAL PERFORMANCE:  
 NUT TORQUE : 5N.m  
 (NUT WHORL) PULL : 500N  
 TENSILE FORCE (CABLE-CONNECTOR) : 150N  
 TORSION(CABLE-CONNECTOR) : 0.3N.m

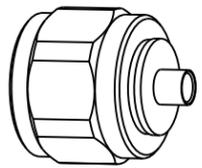
3.MATERIAL AND PLATING:  
 INNER CONDUCTOR : BRASS PLATING Ag5um  
 OUTER CONDUCTOR : BRASS PLATING COPPER-TIN-ZINC 2um  
 NUT : BRASS PLATING Ni5um  
 GASKET : SILICONE RUBBER  
 INSULATOR : PTFE

4.ENVIRONMENT:  
 TEMP.RANGE : -55°C TO +155°C  
 WEATHER STANDARD : IEC 60068 40/085/21  
 THERMAL SHOCK : US MIL-STD 202.Meth.107, COND.B  
 VIBRATION : US MIL-STD 202 Meth.204, COND.B  
 SHOCK : US MIL-STD 202.Meth.213, COND.I

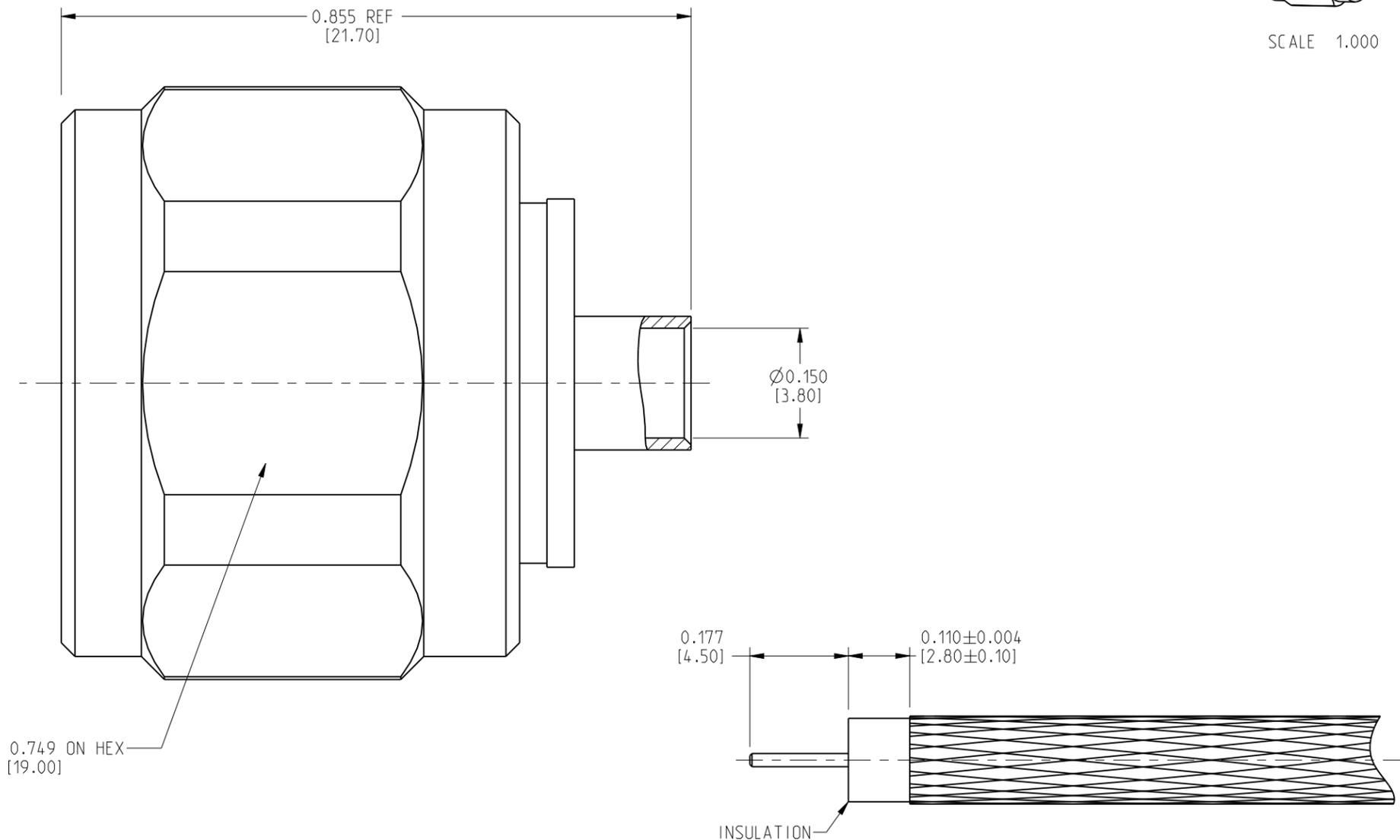
5.ASSEMBLY: INNER AND OUTER CONDUCTOR SOLDERED

6.ROHS COMPLIANT.

172133-16		REVISIONS			
DRAWING NO.	REV	DESCRIPTION	DATE	ECO	APPR
THIRD ANGLE PROJ.	A	RELEASE TO MFG.	11-Oct-12	--	MG



SCALE 1.000



RECOMMENDED CABLE STRIPPING DIMENSIONS

5	NUT	BRASS	NICKEL	1
4	GASKET	SILICONE RUBBER		1
3	INSULATOR	PTFE	NATURAL	1
2	CONTACT PIN	BRASS	SILVER	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 ±.015 (0,381 mm)  
 3 PLACE DECIMAL ±.005 (0,127 mm)  
 ANGLES ± 1°

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MATERIAL	SEE NOTES	DRAWN	GOPI M	DATE	11-Oct-12	TITLE	N STRAIGHT PLUG FOR 0.141" SEMI-RIGID CABLE	Amphenol Connex
REFERENCE		ENGINEER	GOPI M	DATE	11-Oct-12			
		APPROVED		DATE		SCALE: 5.0:1	SHEET	1 OF 1
		CAD FILE				DWG SIZE	DRAWING NO.	REV
						B	172133-16	A