

NOTE:

REFERENCE STANDARD IEC60169-4

1. ELECTRIC PERFORMANCE
- NOMINAL IMPEDANCE (Ω) : 50
 - FREQUENCY RANGE : DC-6 GHz
 - VSWR : ≤ 1.10
 - PIM(dBm): : ≤ -160 (2 X 43 dBm)
 - INSERTION LOSS : ≤ 0.05
 - INSULATION RESISTANCE ($M\Omega$) : >10000
 - PROOF VOLTAGE (V) : 1500
 - CONDUCTOR RESISTANCE ($m\Omega$) : OUTER CONDUCTOR <0.2
INNER CONDUCTOR <0.8

- II. MECHANICAL PERFORMANCE
- RETENTION : $\geq 5.88N$
 - MECHANICAL WEAR(HYPO-) : 500
 - TENSILE FORCE (CABLE-CONNECTOR) : 150N
 - TORSION (CABLE-CONNECTOR) : 0.3N.m

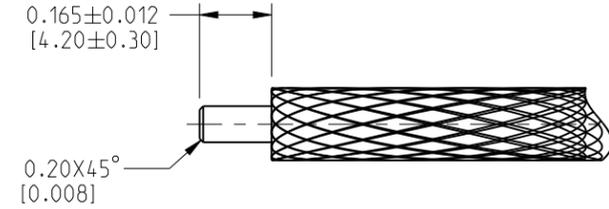
- III. MATERIAL AND PLATING
- INNER CONDUCTOR : SPRING COPPER PLATING $Ag5\mu m$
 - OUTER CONDUCTOR : BRASS PLATING COPPER-TIN-ZINC $2\mu m$
 - NUT : BRASS PLATING COPPER-TIN-ZINC $2\mu m$
 - O-RING : SILICONE RUBBER
 - INSULATOR : PTFE

- IV. ENVIRONMENT
- TEMP RANGE : $-55^{\circ}C$ TO $+155^{\circ}C$
 - WEATHER STANDARD : IEC 60068 55/155/56
 - 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

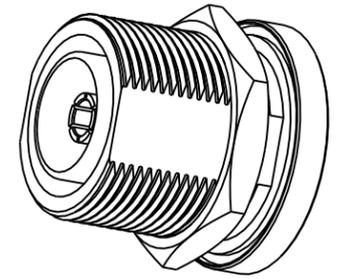
V. ASSEMBLY : INNER AND OUTER CONDUCTOR SOLDERED

VI. ROHS COMPLIANT.

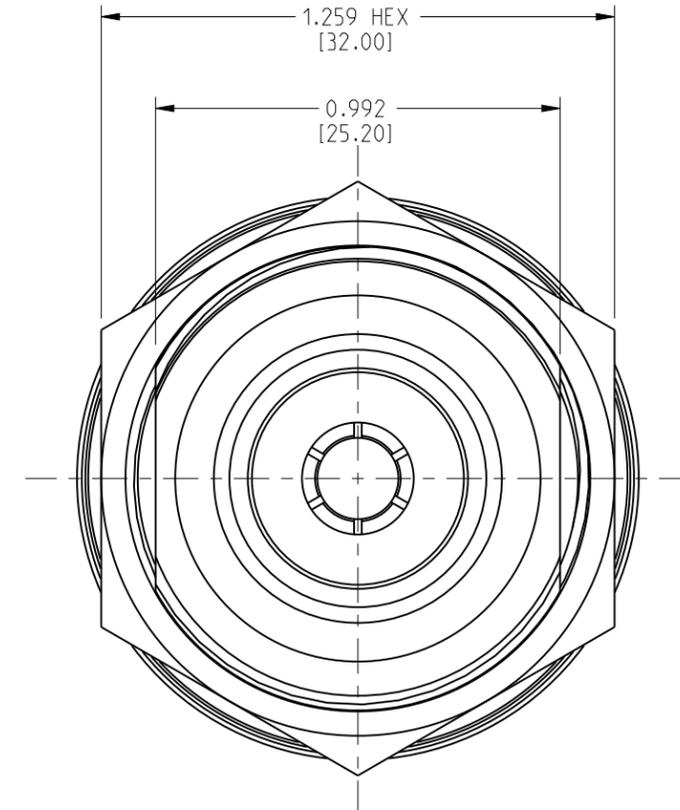
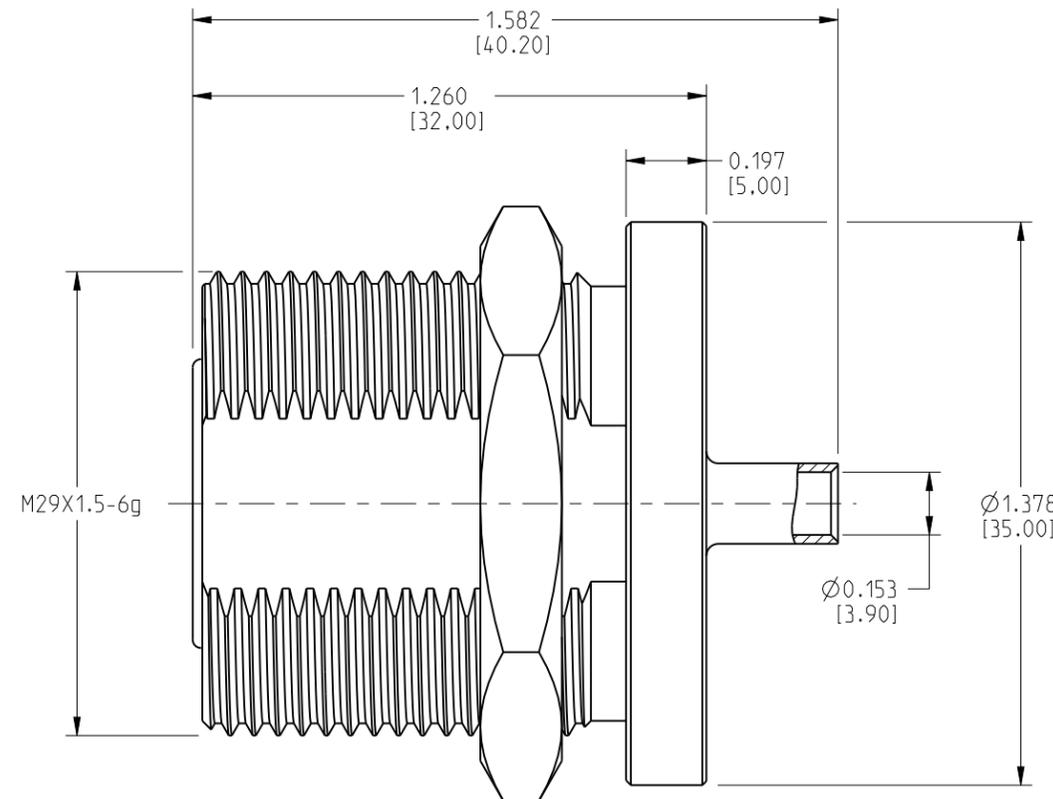
272158-11		REVISIONS			
DRAWING NO.	REV	DESCRIPTION	DATE	ECO	APPR
THIRD ANGLE PROJ.	A	RELEASE TO MFG	17-Feb-12	--	MG
	B	DESCRIPTION CHANGED & MODEL UPDATED	12-Oct-12	2392	MG



RECOMMENDED CABLE STRIPPING DIMENSIONS



SCALE 1.000



5	BULKHEAD NUT	BRASS	NICKEL	1
4	O-RING	SILICON RUBBER		1
3	CONTACT PIN	SPRING BRONZE	SILVER	1
2	INSULATOR	PTFE	NATURAL	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
 ± 0.015 (0,381 mm) ± 0.005 (0,127 mm) $\pm 1^{\circ}$

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MATERIAL	SEE NOTES
REFERENCE	

DRAWN	GOPI M	DATE	12-Oct-12
ENGINEER	GOPI M	DATE	12-Oct-12
APPROVED		DATE	
CAD FILE			

TITLE	7/16 BULKHEAD JACK FOR 0.141" SEMI-RIGID CABLE
DWG SIZE	B
DRAWING NO.	272158-11

Amphenol Connex	
SCALE: 2.2:1	SHEET 1 OF 1
REV	B