

NOTES:

REFERENCE STANDARD IEC60169-11

1. ELECTRICAL PERFORMANCE:

NOMINAL IMPEDANCE : 50±2 Ω
FREQUENCY RANGE : DC-3.0 GHz
VSWR : 1.15 MAX.
PIM : -160dBc MAX. (2x43dBm)
INSERTION LOSS : 0.05 dB MAX.
INSULATION RESISTANCE : 5000 MΩ MIN.
D.W.V : 1500 VRMS.
CONDUCTOR RESISTANCE : OUTER CONDUCTOR 0.5 mΩ MAX.
INNER CONDUCTOR 1.0 mΩ MAX.

2. MECHANICAL PERFORMANCE:

(NUT) TORQUE : 10-12 N.m
TENSILE FORCE (CABLE-CONNECTOR) : 250 N
TORSION (CABLE-CONNECTOR) : 1.5 N.m

3. MATERIAL AND PLATING:

INNER CONDUCTOR : SPRING BRONZE, PLATING = Ag (5um MIN.)
OUTER CONDUCTOR : BRASS, PLATING = COPPER-TIN-ZINC (2um MIN.)
NUT : BRASS, PLATING = Ni (5um MIN.)
GASKET : SILICONE RUBBER
INSULATOR : PTFE

4. ENVIRONMENTAL:

TEMP RANGE : -40°C TO +85°C
WEATHER STANDARD : IEC 60068 40/ 085/ 21
THERMAL SHOCK : IEC 60068-2-14-NA
VIBRATION : IEC 60068-2-6-FC
SHOCK : IEC 60068-2-27
WATERPROOFING STANDARD : IP67

5. ASSEMBLY : INNER AND OUTER CONDUCTOR INSTALLED

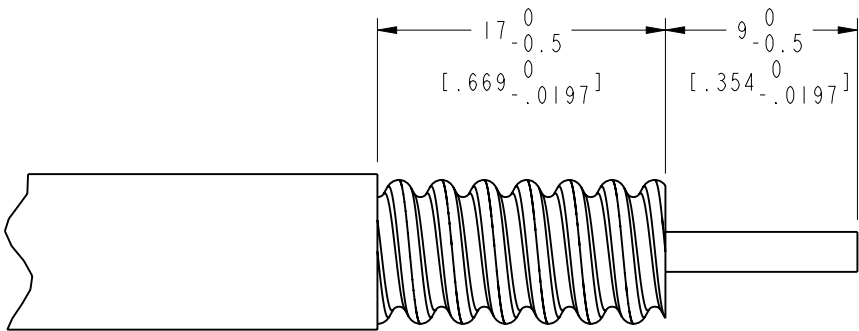
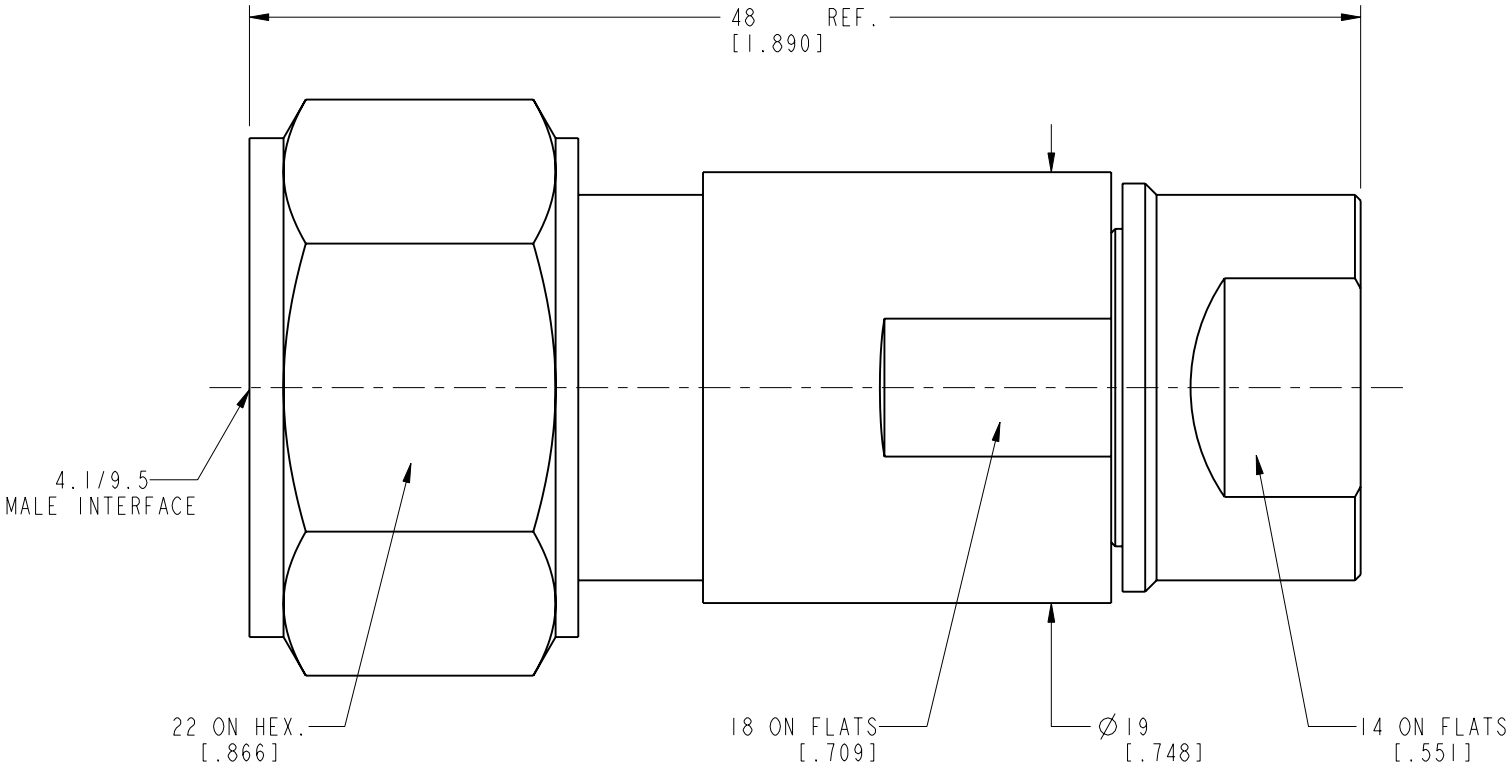
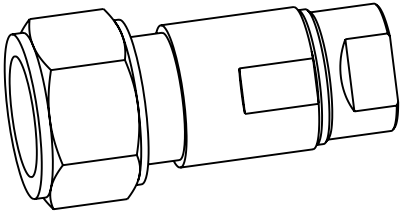
6 . ROHS COMPLIANT

THIRD ANGLE PROJ.



REVISIONS

REV	DESCRIPTION	DATE	ECO	APPR
A	RELEASE TO MFG.	03-Oct-13		MB/BCG
B	RELEASE WITH GLOBAL FORMAT, ADDED SHEET 1	24-Aug-17	04801	SCOTT



RECOMMENDED CABLE
TRIMMING DIMENSIONS

CUSTOMER OUTLINE DRAWING
ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN METRIC AND TOLERANCES ARE:
<0.5mm ± 0.05mm 0.5 - 6mm ±0.1mm 6 - 30mm ±0.2mm 30 - 120mm ± 0.3mm ANGLES ±1°

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MATERIAL SEE NOTES	DRAWN K.ZHANG	DATE 23-Aug-17	TITLE 4.1/9.5 MALE FOR 1/4" HELICAL CABLE		Amphenol RF www.amphenolrf.com	
	ENGINEER MOHAN	DATE 12-Sep-13				
	REFERENCE	APPROVED B.C. GLEISSNER	DATE 13-Oct-13	SCALE: 3.0:1.0	SHEET 2 OF 2	DRAWING NO. 332116
	FINISH	CAD FILE		DWG SIZE B	REV B	DRAWING NO. 332116 PART NO. 332116