

NOTES:

REFERENCE STANDARD IEC60169-11

1. ELECTRICAL PERFORMANCE:

NOMINAL IMPEDANCE : 50 Ω  
 FREQUENCY RANGE : DC-3.0 GHz  
 VSWR : 1.1 MAX.  
 PIM : -160dBc MAX. (2x43dBm)  
 INSERTION LOSS : 0.1 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) : 500 N  
 TORSION(CABLE-CONNECTOR) : 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 : TPX

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 : IP68

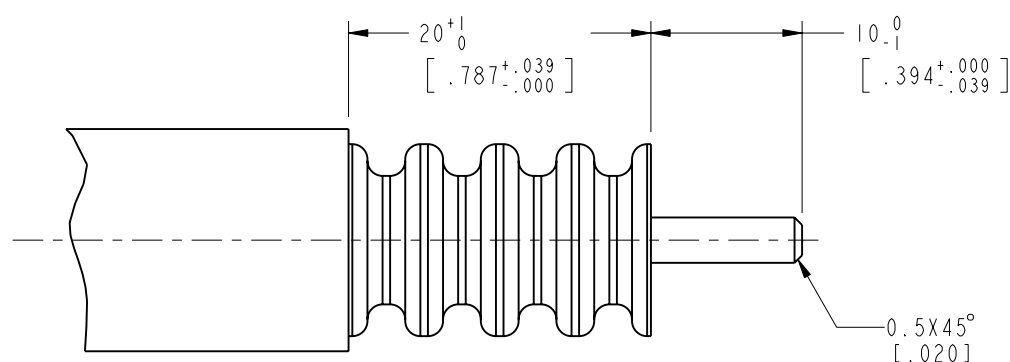
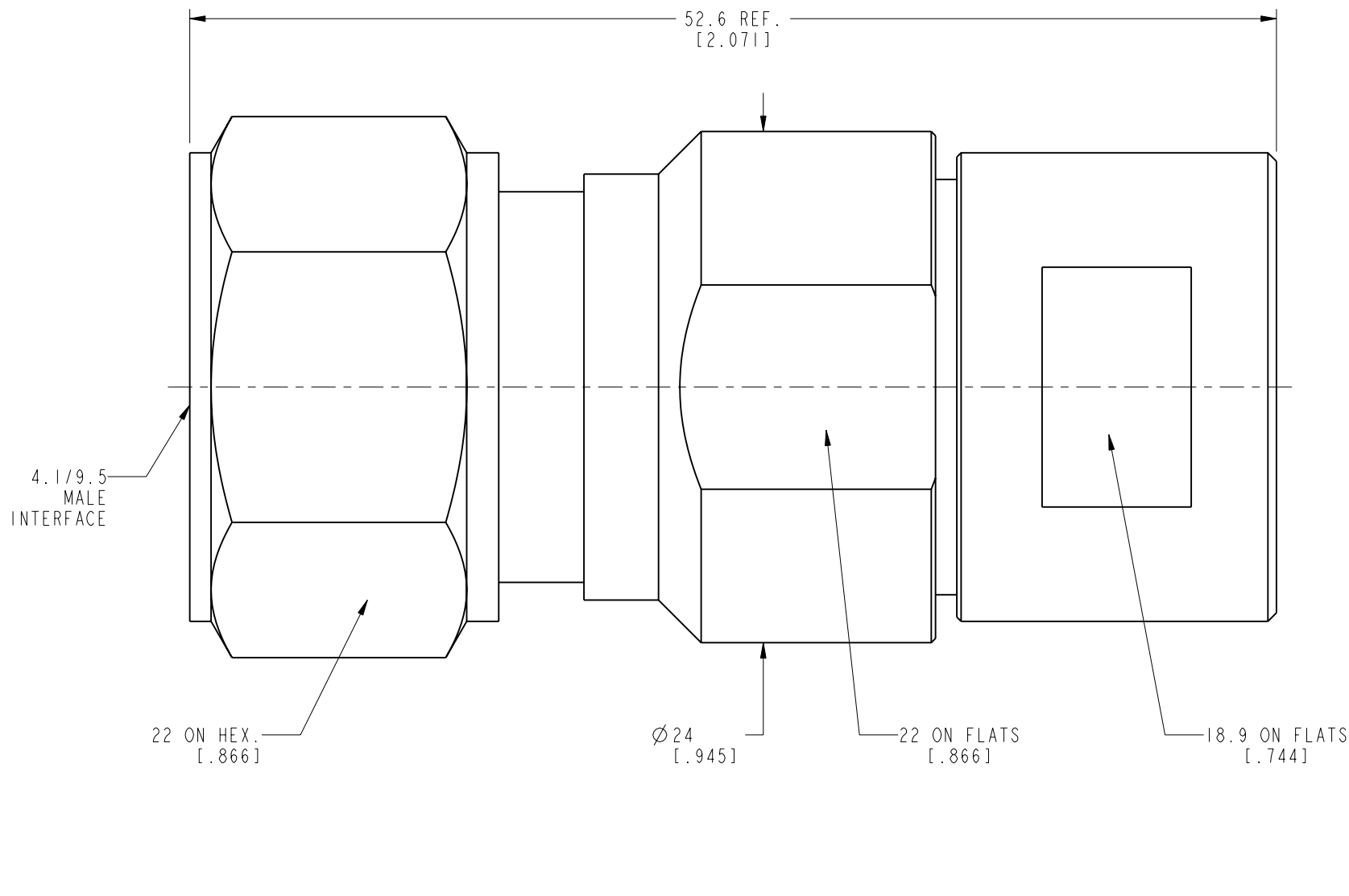
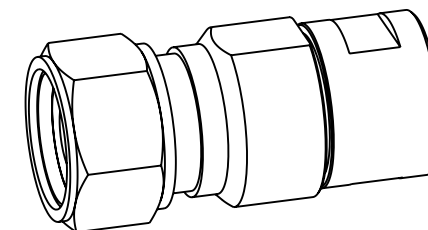
5. ASSEMBLY : INNER AND OUTER CONDUCTOR INSTALLED

6. ROHS COMPLIANT

THIRD ANGLE PROJ.

REVISIONS

REV	DESCRIPTION	DATE	ECO	APPR
A	RELEASE TO MFG.	13-Dec-13		AAP/BG
B	RELEASE WITH GLOBAL FORMAT, ADDED SHEET 1	24-Aug-17	04801	SCOTT



RECOMMENDED CABLE STRIPPING 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°	MATERIAL	DRAWN	DATE	TITLE 4.1/9.5 MALE FOR 1/2" HELICAL CABLE		Amphenol RF www.amphenolrf.com	
	SEE NOTES	K.ZHANG	23-Aug-17				
	REFERENCE	ENGINEER	DATE	SCALE: 3.5:1.0   SHEET 2 OF 2		DRAWING NO. 332120 ITEM NO. 332120 PART NO. 332120	
	FINISH	A ARUN PRABU	04-Oct-13				
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	B.C. GLEISSNER	13-Dec-13	B		B		