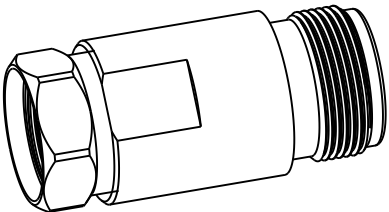


NOTES: REFERENCE STANDARD IEC60169-11	332112		REVISIONS			
	DRAWING NO.	REV	DESCRIPTION	DATE	ECO	APPR
	THIRD ANGLE PROJ. 	A	RELEASE TO MFG.	14-Oct-13	--	KR/BCG

I. ELECTRICAL PERFORMANCE -

NOMINAL IMPEDANCE	: 50±2 Ω
FREQUENCY RANGE	: DC-3.0 GHz
VSWR	: 1.150 MAX.
INSERTION LOSS	: 0.05 dB MAX. (@3.0 GHz)
PIM	: -160 dBc MAX. (2X43dBm)
INSULATION RESISTANCE	: 5000 MΩ MIN.
D.W.V	: 2500 VRMS
CONDUCTOR RESISTANCE	: OUTER CONDUCTOR 1.0 mΩ MAX. INNER CONDUCTOR 0.5 mΩ MAX.



SCALE 1.000

II. MECHANICAL PERFORMANCE -

RETENTION	: 4.00 N MIN.
MATING CYCLES	: 500 MIN.
TENSILE FORCE (CABLE -CONNECTOR)	: 500 N
TORSION (CABLE - CONNECTOR)	: 4 N-M

III. MATERIAL AND PLATING -

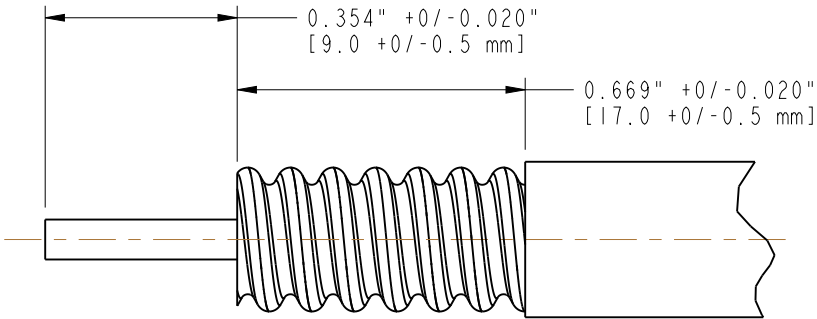
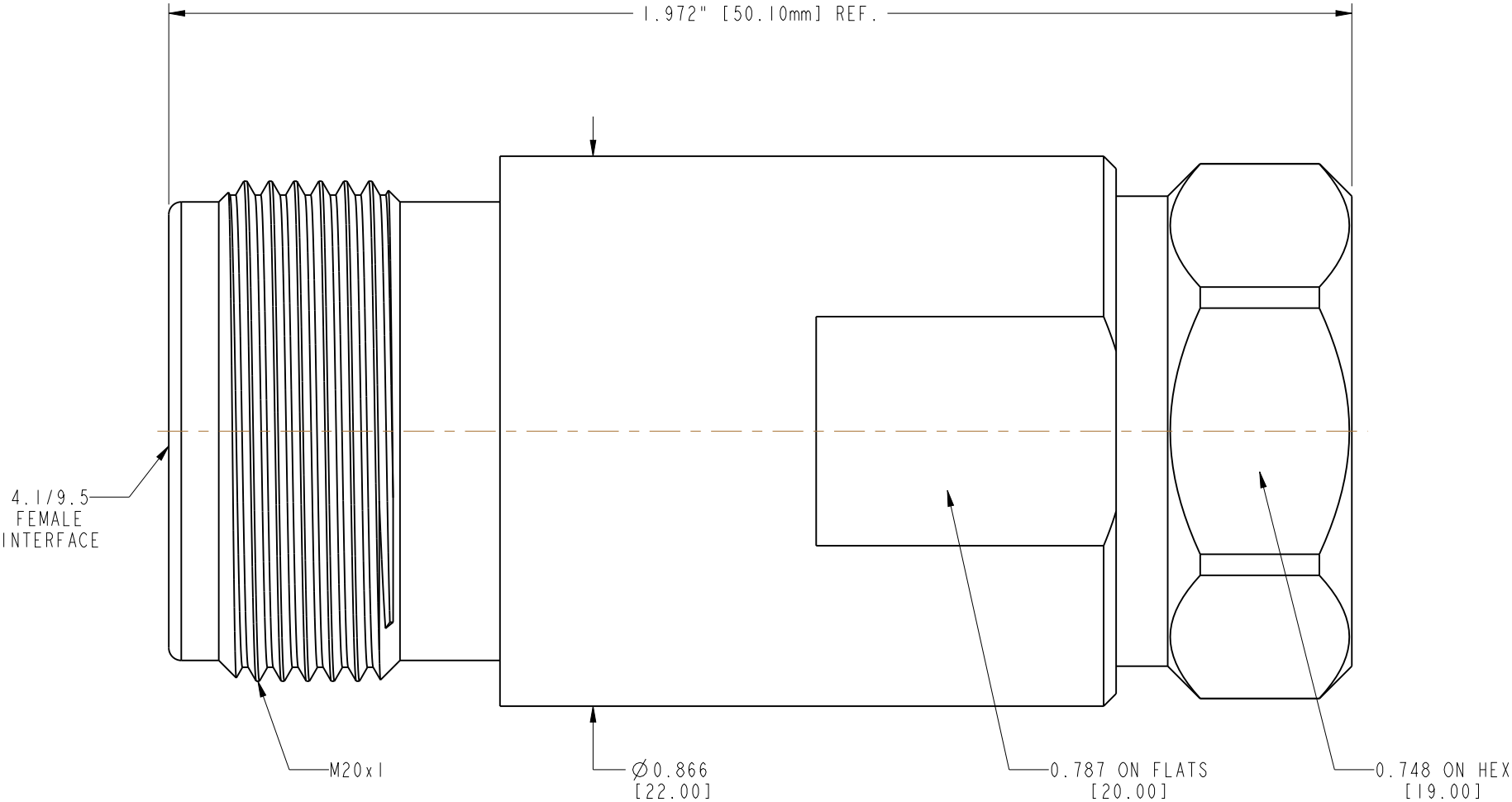
INNER CONDUCTOR	: SPRING BRONZE ALLOY, PLATING = Ag (5µm MIN.)
OUTER CONDUCTOR	: BRASS, PLATING = COPPER-TIN-ZINC (2µm MIN.)
GASKET	: SILICONE RUBBER
INSULATOR	: PTFE

IV. ENVIRONMENTAL -

TEMP. RANGE	: -40°C TO +85°C
WEATHER STANDARD	: IEC 60068 40/ 85/ 21
THERMAL SHOCK	: IEC 60068-2-14-NA
VIBRATION	: IEC 60068-2-6-FC
SHOCK	: IEC 60068-2-27
WATER PROOFING STANDARD	: IP 67

V. ASSEMBLY : INNER AND OUTER CONDUCTOR INSTALLED

VI. ROHS COMPLIANT



RECOMMENDED CABLE
STRIPPING DIMENSIONS

CUSTOMER OUTLINE DRAWING
ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

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°	MATERIAL	DRAWN	DATE	TITLE		Amphenol Connex	
	SEE NOTES	KARTHIK R	12-Sep-13				
		ENGINEER	DATE	4.1/9.5 FEMALE FOR 1/2" HELICAL CABLE	SCALE: 4.0:1	SHEET 1 OF 1	
		KARTHIK R	12-Sep-13				
REFERENCE	APPROVED	DATE	DWG SIZE	DRAWING NO.	REV		
	B.C. GLEISSNER	14-Oct-13				B	332112
		CAD FILE					
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