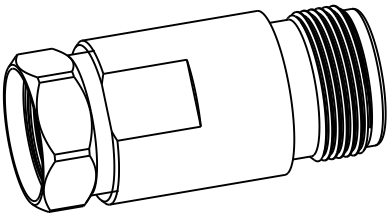


NOTES: REFERENCE STANDARD IEC60169-11	332112		REVISIONS			
	DRAWING NO.	REV	DESCRIPTION	DATE	ECO	APPR
	THIRD ANGLE PROJ. 	A	RELEASE TO MFG.	14-Oct-13	--	KR/BCG

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 -

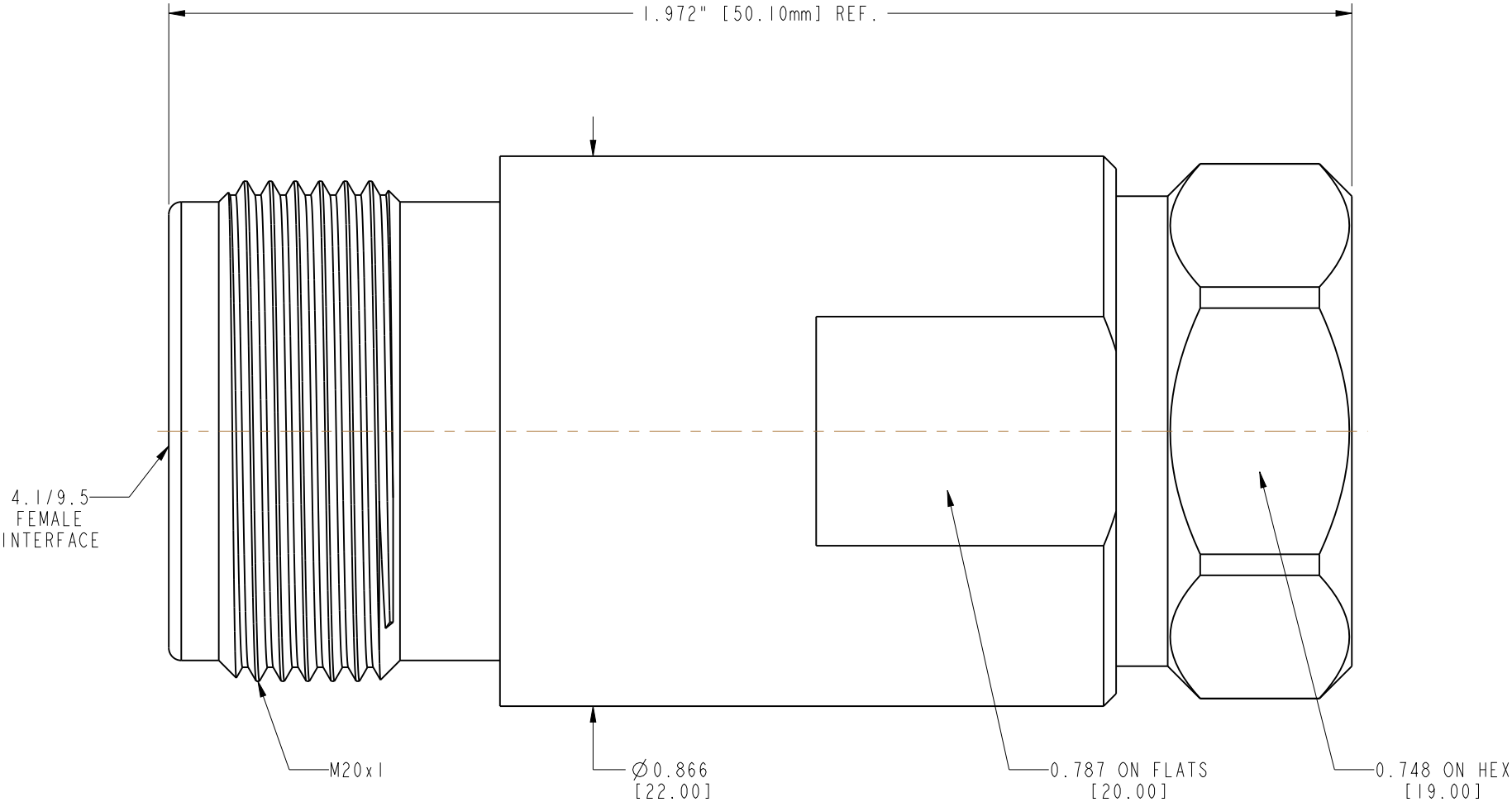
INNER CONDUCTOR	: SPRING BRONZE ALLOY, PLATING = Ag (5µm MIN.)
OUTER CONDUCTOR	: BRASS, PLATING = COPPER-TIN-ZINC (2µm MIN.)
GASKET	: SILICONE RUBBER
INSULATOR	: PTFE

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

Mouser Electronics

Authorized Distributor

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[Amphenol:](#)

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