

NOTES: REFERENCE STANDARD IEC60169-11 (4.1/9.5) IEC60169-16 (N)	242281		REVISIONS			
	DRAWING NO.	REV	DESCRIPTION	DATE	ECO	APPR
	THIRD ANGLE PROJ. 	A	RELEASE TO MFG.	16-Sep-13	--	MB/BCG

I. ELECTRICAL PERFORMANCE -

NOMINAL IMPEDANCE : 50 Ω
FREQUENCY RANGE : DC-3.0 GHz
VSWR : 1.065 MAX.
PIM : -160dBc MAX.(1800MHz)
INSERTION LOSS : -0.05 dB MAX. (@3.0 GHz)
INSULATION RESISTANCE : 5000 MΩ MIN.
D.W.V : 2500 VRMS
CONTACT RESISTANCE : OUTER CONDUCTOR 0.4 mΩ MAX (N) 0.5 mΩ MAX (4.1/9.5)
INNER CONDUCTOR 0.8 mΩ MAX (N) 1.0 mΩ MAX (4.1/9.5)

II. MECHANICAL PERFORMANCE -

RETENTION : 4.00 N MIN (4.1/9.5)
MATING CYCLES : 500 MIN
NUT - TORQUE : 5 N-m (N)
NUT - AXIAL PULL : 500 N

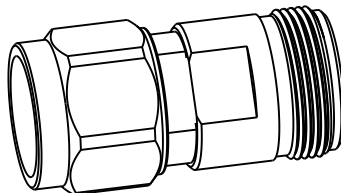
III.MATERIAL AND PLATING -

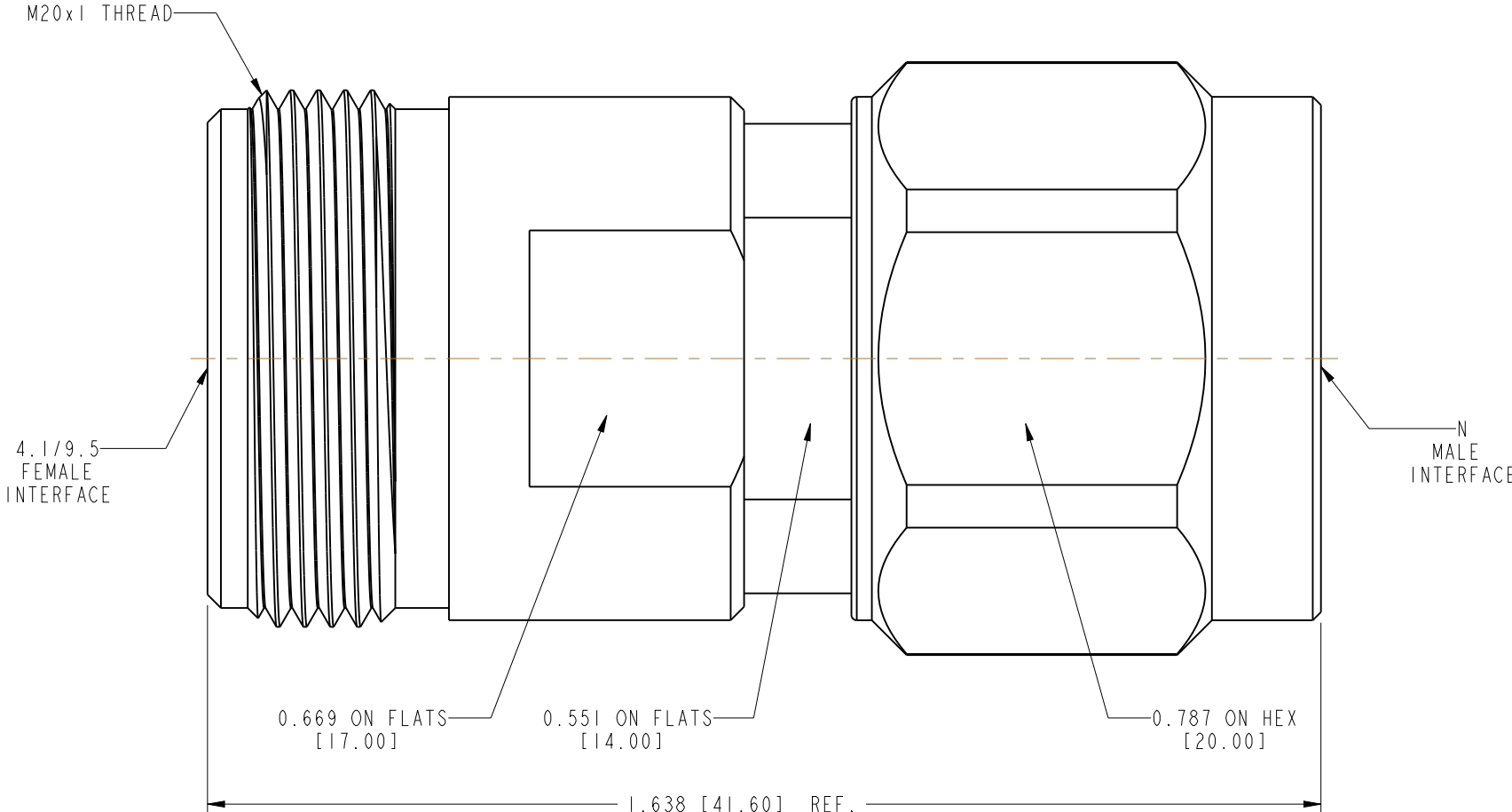
INNER CONDUCTOR : SPRING COPPER ALLOY, PLATING = Ag (5µm MIN.)
OUTER CONDUCTOR : BRASS, PLATING = Ag (5µm MIN.)
NUT : BRASS, PLATING = NI (5µm MIN.)
GASKET : SILICONE RUBBER
INSULATOR : PTFE

IV. 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

V. ROHS COMPLIANT.


SCALE 1.000



M20x1 THREAD

4.1/9.5 FEMALE INTERFACE

0.669 ON FLATS [17.00]

0.551 ON FLATS [14.00]

0.787 ON HEX [20.00]

1.638 [41.60] REF.

N MALE INTERFACE

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	MOHAN	05-Sep-13						
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		MOHAN	05-Sep-13						
		APPROVED	DATE						
		B.C. GLEISSNER	16-Sep-13						
CAD FILE				DWG SIZE	DRAWING NO.			REV	
				B	242281			A	