NOTES:

REFERENCE STANDARD IEC60169-11 (4.1/9.5) IEC60169-16 (N)

I. ELECTRICAL PERFORMANCE -

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

II. MECHANICAL PERFORMANCE -

RETENTION	:	0.56N MIN.(N), 4.0N MIN.(4.1/9.5)
MATING CYCLES	:	500 MIN.

III. MATERIAL AND PLATING-

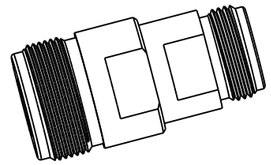
INNER CONDUCTOR	:	SPRING BRONZE ALLOY, PLATING = Ag (5µm MIN.)
OUTER CONDUCTOR	:	BRASS, PLATING = Ag (5µm MIN.)
NUT	:	BRASS, PLATING = NI (5µm)
INSULATOR	:	PTFE

IV. ENVIRONMENTAL -

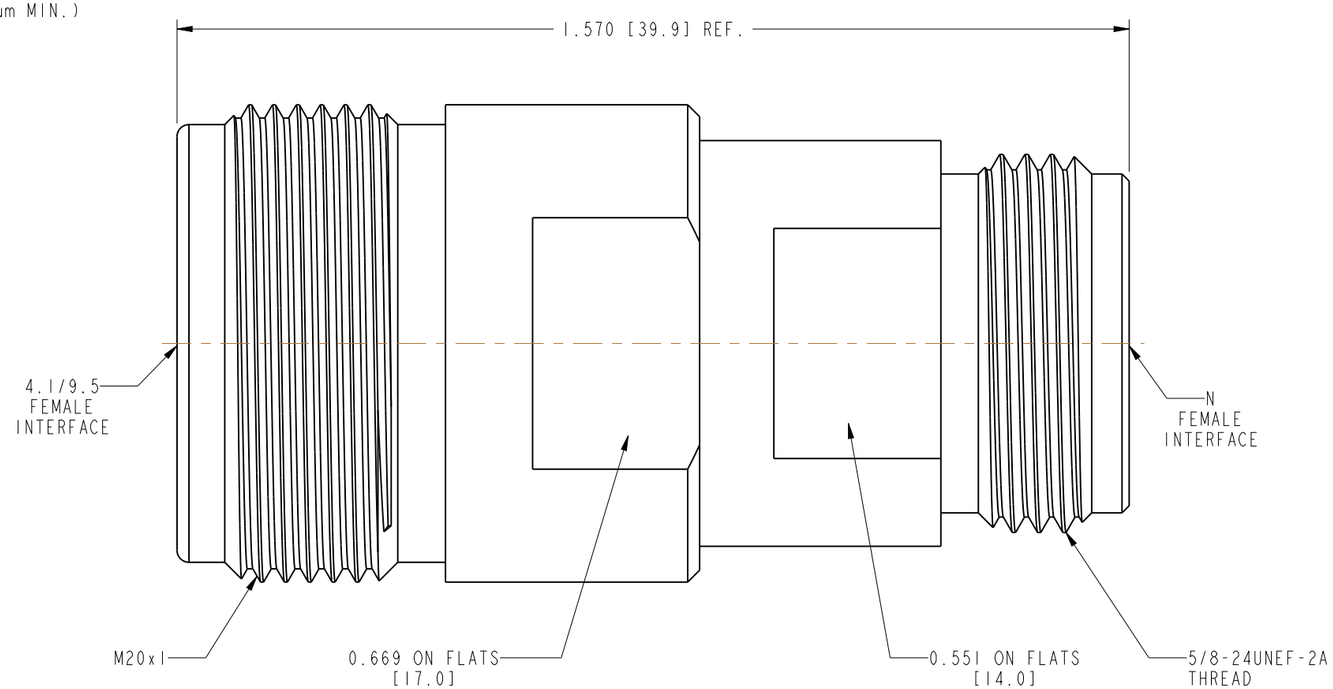
TEMP. RANGE	:	-40°C TO +85°C
WEATHER STANDARD	:	IEC 60068 40/ 85/ 21
THERMAL SHOCK	:	IEC 60068-2-14-NA
VIBRATION	:	IEC 60068-2-6-FC
SHOCK	:	IEC 60068-2-27

V. ROHS COMPLIANT

242280	REVISIONS				
DRAWING NO.	REV	DESCRIPTION	DATE	ECO	APPR
THIRD ANGLE PROJ.	A	RELEASE TO MFG.	11-Sep-13	--	AAP/BG



SCALE 1.000



CUSTOMER OUTLINE DRAWING

ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES AND TOLERANCES ARE:
2 PLACE DECIMAL ±.015 (0,381 mm) | 3 PLACE DECIMAL ±.005 (0,127 mm) | ANGLES ± 1°

MATERIAL	SEE NOTES
REFERENCE	
DRAWN	A ARUN PRABU — DATE 05-Sep-13
ENGINEER	A ARUN PRABU — DATE 05-Sep-13
APPROVED	B.C. GLEISSNER — DATE 11-Sep-13
CAD FILE	
TITLE	4.1/9.5 FEMALE TO N FEMALE ADAPTER
	Amphenol Connex
SCALE: 4.0:1	SHEET 1 OF 1
DWG SIZE	B
DRAWING NO.	242280
REV	A