## NOTE:

#### REFERENCE STANDARD IEC60169-4

#### I. ELECTRICAL PERFORMANCE -

: 50 Ω NOMINAL IMPEDANCE FREQUENCY RANGE : DC-3.0 GHz : I.100 MAX.

INSERTION LOSS 0.100 dB MAX. (@ 3.0 GHz) -165 dBc MAX. (2x43dBm) 5000 M $\Omega$  MIN.

INSULATION RESISTANCE

D.W.V 2500 VRMS

OUTER CONDUCTOR 0.5 m $\Omega$  MAX. CONDUCTOR RESISTANCE INNER CONDUCTOR I.O m $\Omega$  MAX.

## II. MECHANICAL PERFORMANCE -

RETENTION : 7/16: 5.88 N MIN. 4.1/9.5: 4.00 N MIN.

AXIAL FORCE : 200 N

NUT FORCE : 10 N-m MIN. TO 12 N-m MAX.(4.1/9.5)

MATING CYCLES : 500 MIN.

#### III.MATERIAL AND PLATING -

INNER CONDUCTOR : SPRING COPPER ALLOY, PLATING = Ag (5µm MIN.) OUTER CONDUCTOR : BRASS, PLATING = COPPER-TIN-ZINC (2µm MIN.)

BRASS, PLATING = NI (5µm MIN.)

INSULATOR : PTFE

#### IV. ENVIRONMENTAL -

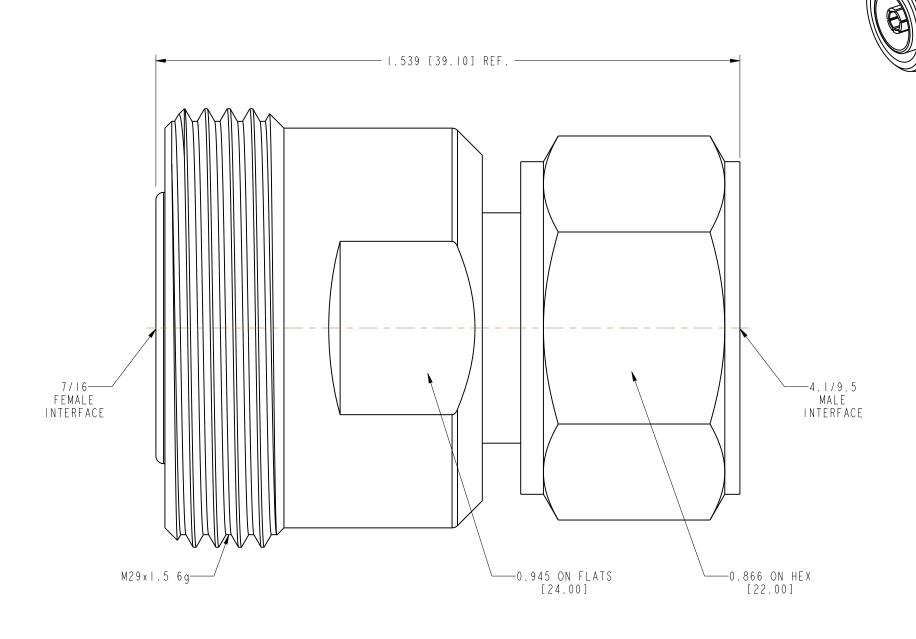
TEMP. RANGE : -40°C TO +85°C

WEATHER STANDARD : IEC 60068 40/ 85/ 21

THERMAL SHOCK : MIL-STD 202, METHOD 107, CONDITION B
VIBRATION : MIL-STD 202, METHOD 204, CONDITION B
SHOCK : MIL-STD 202, METHOD 213, CONDITION I

## V. ROHS COMPLIANT

242278 REVISIONS DRAWING NO. REV DESCRIPTION DATE ECO APPR THIRD ANGLE PROJ.  $\oplus$   $\Box$  A RELEASE TO MFG. 11-Sep-13 KR/BCG



# **CUSTOMER OUTLINE DRAWING**

ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

SCALE 1.000

| UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES AND TOLERANCES ARE:  2 PLACE DECIMAL 3 PLACE DECIMAL 4.015 (0.381 mm) ±.005 (0.127 mm) ± 1°  0.55 No.   | DRAWN<br>KARTHIK R         | DATE<br>05-Sep-13                      | TITLE 7/16 FEMALE TO 4.1/9.5 | Amphenol<br>Connex |       | $\sim$ 1 |
|--|----------------------------|--|------------------------------|--------------------|-------|----------|
| NOTICE - These drawings, specifications, or other data (1) are, and remain the property of Amphenol Corp. (2) must be returned upon request; and (3) are   | ENGINEER KARTHIK R         | DATE<br>05-Sep-13<br>DATE<br>11-Sep-13 | MALE ADAPTER                 |                    |       |          |
| confidential and not to be disclosed to any person other than those to whom they are given by Amphenol Corp. The furnishing of these drawings, specifications, or other data by Amphenol Corp., or to any other person to anyone for any purpose is  | APPROVED<br>B.C. GLEISSNER |  |                              | SCALE: 4.0:1       | SHEET | I OF I   |
| not to be regarded by implication or otherwise in any manner licensing, granting rights or permitting such holder or any other person to manufacture, use or sell any product, process or design, patented or otherwise, that may in any way be related to or disclosed by said drawinas, specifications, or other data. | CAD FILE                   | ·                                      | DWG SIZE DRAWING NO          |                    |       | REV<br>A |