

NOTES:

1. ELECTRICAL:

A. IMPEDANCE: 50Ω (NOMINAL)

B. FREQUENCY RANGE: DC-6.0 GHz

C. CONTACT RESISTANCE: CENTER: 20mΩ MAX.; MEASURED AT 10mA MAX. 25 mΩ MAX AFTER CYCLING
OUTSIDE: 10mΩ MAX. 15 mΩ MAX AFTER CYCLING

D. INSULATION RESISTANCE: 500MΩ MIN.; MEASURED AT 100 VDC.

E. D.W.V.: NO LINE OR INSULATION BREAKDOWN: 200 VAC FOR 1 MIN.

F. VSWR: 1.300 MAX. (DC TO 3.0 GHz), 1.400 MAX. (3.0-6.0 GHz)

G. TYPICAL INSERTION LOSS : [0.00384 x (L in mm) x √Freq. in GHz] + [0.078 x √Freq. in GHz]

2. PHYSICAL:

A. FEMALE CONTACT HOLDING FORCE: 0.15N MIN. : MEASURED WITH A Ø0.475mm PIN GAUGE.

B. DURABILITY: 30 CYCLES

C. TEMPERATURE RANGE: -40°C TO +90°C.

D. AMC CONNECTOR MATING FORCE: 15N TYPICAL

E. AMC CONNECTOR DEMATING FORCE: 10N TYPICAL - 20N MAX

F. AMC INTERFACE IS FULLY COMPATIBLE WITH "U.FL" SERIES PRODUCT.

3. MATERIALS AND FINISHES (in micrometers):

CONNECTOR BODY: PHOSPHOR BRONZE, SILVER PLATED (0.76u MIN.) OVER COPPER (1-2u)

CONNECTOR CENTER CONTACT: PHOSPHOR BRONZE, GOLD PLATED (0.13u MIN.) OVER NICKEL (2-3u)

CONNECTOR INSULATOR: HIGH TEMP PLASTIC UL 94V-0, BLACK

CABLE JACKET: FEP

CABLE DIELECTRIC: FEP

CABLE CENTER CONDUCTOR: ANNEALED COPPER WIRE STRANDED, SILVER PLATED

CABLE OUTER CONDUCTOR: ANNEALED COPPER WIRE BRAID, TIN PLATED

4. PACKAGING:

A. BAGS OF 100 PIECES

THIRD ANGLE PROJ.

EXAMPLE SHOWN:
A-IPAC081-XXXY2

SCALE 3.000

REV A

DESCRIPTION
RELEASE TO MFG.

DATE
6/17/14

ECO
50043

APPR
BCG

CABLE ASSEMBLY TOLERANCE

OVERALL LENGTH L (mm)	STANDARD TOLERANCE (mm)
35<L<200	± 4
200 < L 500	± 8
500 < L 1000	± 12
1000 < L	±1.5 %

90° - "C"

90°±45°

180° - "F"

180°±45°

AMC RIGHT ANGLE PLUG DETAILS

5,28 [0.208] REF.

4±0,4 [.157±.016]

1,95±0,15
[.077±.006]

Ø2,41±0,2
[.095±.008] REF.

3,1 ±0,2
[0.122 ±0.008]

CABLE ASSEMBLY LENGTH "L" [XXX]
(SEE TABLE FOR TOLERANCE)

A-IPA-081-XXXYZ

SERIES NAME (A=AMC)

AMC RIGHT ANGLE PLUG

C = 90°
F = 180°
- = 0°

ORIENTATION:
(CLOCKWISE)

CABLE COLOR: G=GRAY
B=BLACK
W=WHITE
U=BLUE
R=RED
E=GREEN

CABLE ASSEMBLY LENGTH IN mm
(SHORTEST LENGTH IS 35mm)

NO. OF TERMINATED ENDS (1 OR 2)

CUSTOMER OUTLINE DRAWING

ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN METRIC AND TOLERANCES ARE:
<0.5mm ± 0.05mm 0.5 - 6mm ±0.1mm 6 - 30mm ±0.2mm 30 - 120mm ± 0.3mm ANGLES ±1°

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MATERIAL
-

REFERENCE
EAR #6093 AND

CONFIGURATION LEVEL: In Work

FINISH

DRAWN
B.C. GLEISSNER

ENGINEER
E WANKOFF

APPROVED
O. BARTHELMES

CAD FILE

DATE
21-May-14

DATE
19-May-14

DATE
6/17/14

TITLE
CABLE ASSY
AMC, PLUG

SCALE: 8.0:1.0

SHEET 2 OF 2

DWG SIZE
B

REV
A

Amphenol RF
www.amphenolrf.com

DRAWING NO.

ITEM NO.

PART NO. A-IPA-081-XXXYZ