

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

DESCRIPTION

DATE

ECO

APPR

A

RELEASE TO MFG.

6/17/14

50043

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)

CABLE DIAMETER: (081 = 0.81mm)

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

CUSTOMER OUTLINE DRAWING

ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY