

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

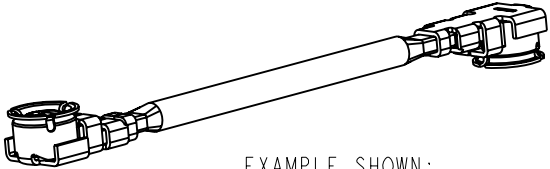
4. PACKAGING:

- A. BAGS OF 100 PIECES

THIRD ANGLE PROJ. 

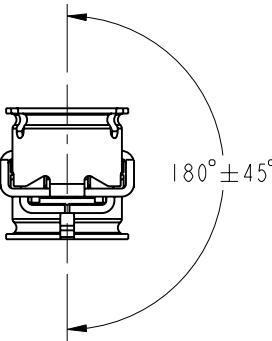
REVISIONS

REV	DESCRIPTION	DATE	ECO	APPR
A	RELEASE TO MFG.	6/17/14	50043	BCG
B	DIMENSIONS CORRECTED 3.75 REF WAS 4 ± 0.4, 2.8 ± 0.2 WAS 3.1 ± 0.2, 2 ± 0.1 WAS 1.95 ± 0.15	21-Apr-18	07821	SS



EXAMPLE SHOWN:
A-IPAF081-XXXY2

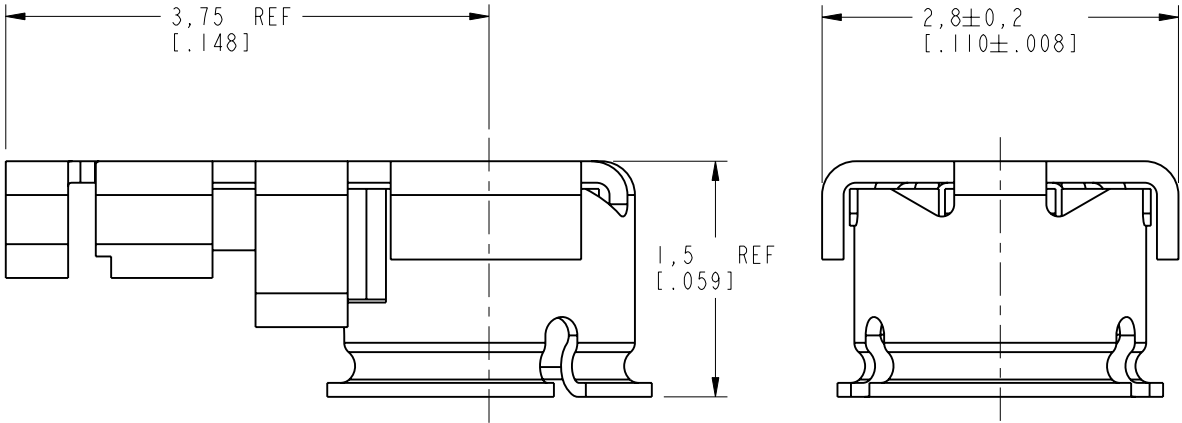
180° - "F"



CABLE ASSEMBLY TOLERANCE

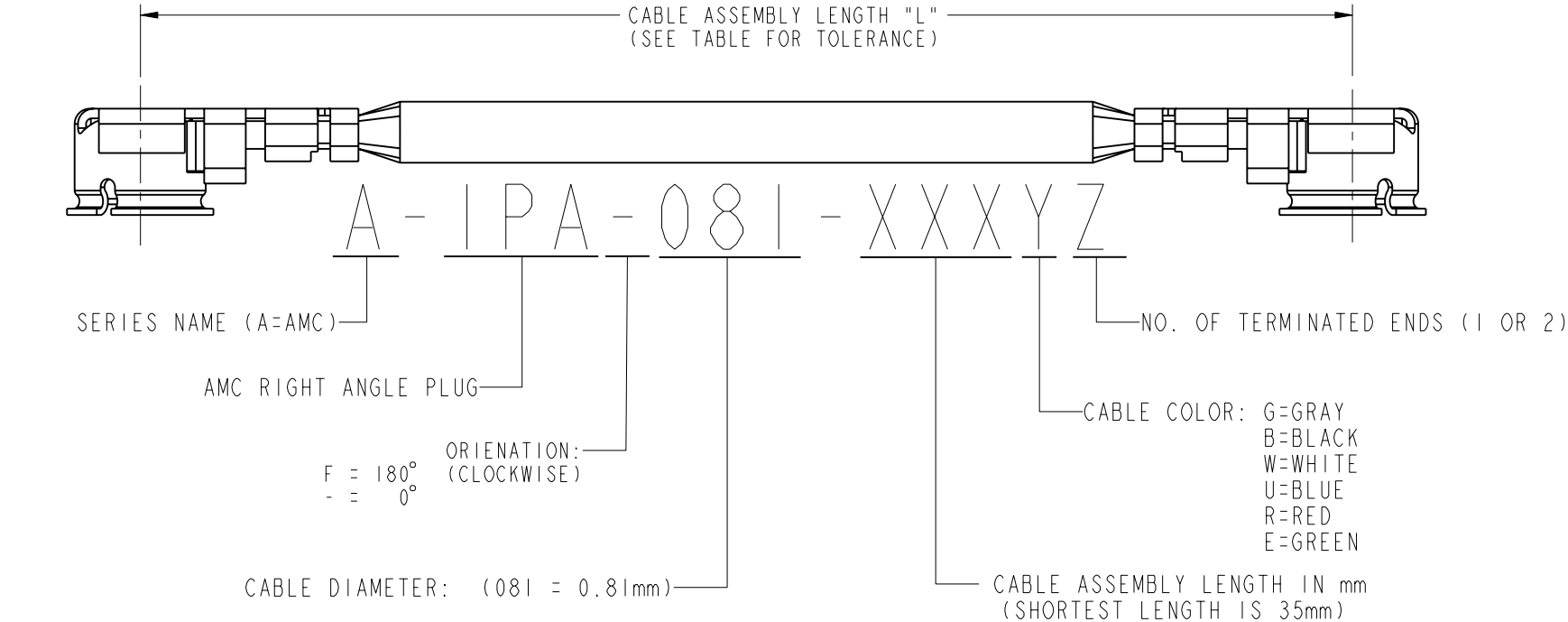
OVERALL LENGTH L (mm)	STANDARD TOLERANCE (mm)
35<L<200	± 4
200 < L 500	± 8
500 < L 1000	± 12
1000 < L	±1.5 %

AMC RIGHT ANGLE PLUG DETAILS



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

STAR

ENGINEER

SUNDE

APPROVED

S.HSIEH

CAD FILE

DATE

23-Apr-18

DATE

23-Apr-18

DATE

23-Apr-18

TITLE

CABLE ASSY

AMC, PLUG

SCALE: 8.0:1.0

SHEET

2 OF 2

DWG SIZE

B

REV

B

Amphenol RF

www.amphenolrf.com

DRAWING NO. A-IPA-081-XXXYZ

ITEM NO. A-IPA-081-XXXYZ

PART NO. A-IPA-081-XXXYZ

Mouser Electronics

Authorized Distributor

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