

NOTES:

1. ELECTRICAL:

- A. IMPEDANCE: 50Ω (NOMINAL)
B. FREQUENCY RANGE: DC-3.0 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)
G. TYPICAL INSERTION LOSS : [0.00178 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

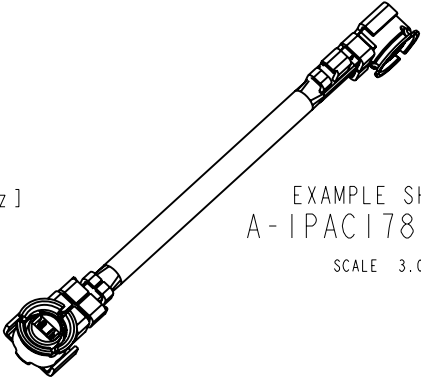
4. PACKAGING:

- A. BAGS OF 100 PIECES

THIRD ANGLE PROJ.

REVISIONS

REV	DESCRIPTION	DATE	ECO	APPR
A	RELEASE TO MFG.	9/4/14	50043	BCG
B	UPDATED CONNECTOR DIMENSIONS	3/2/16	50939	MM

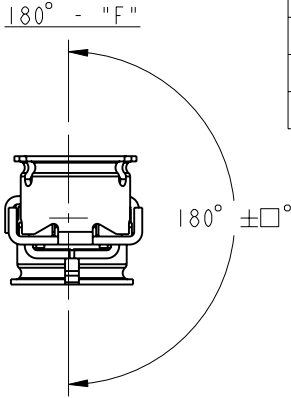
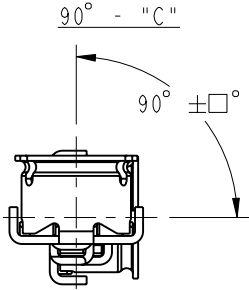


EXAMPLE SHOWN:
A-IPAC178-XXN2

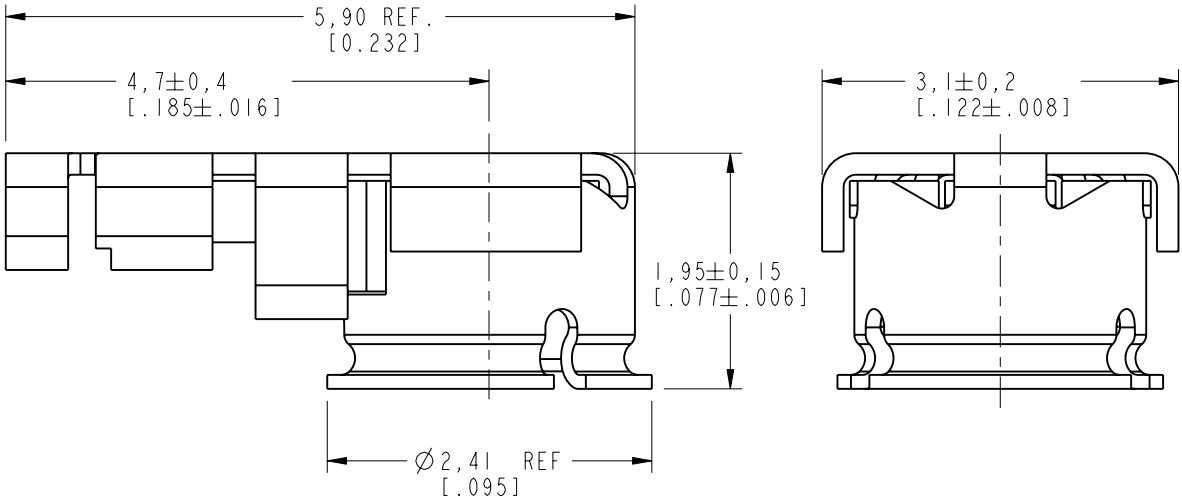
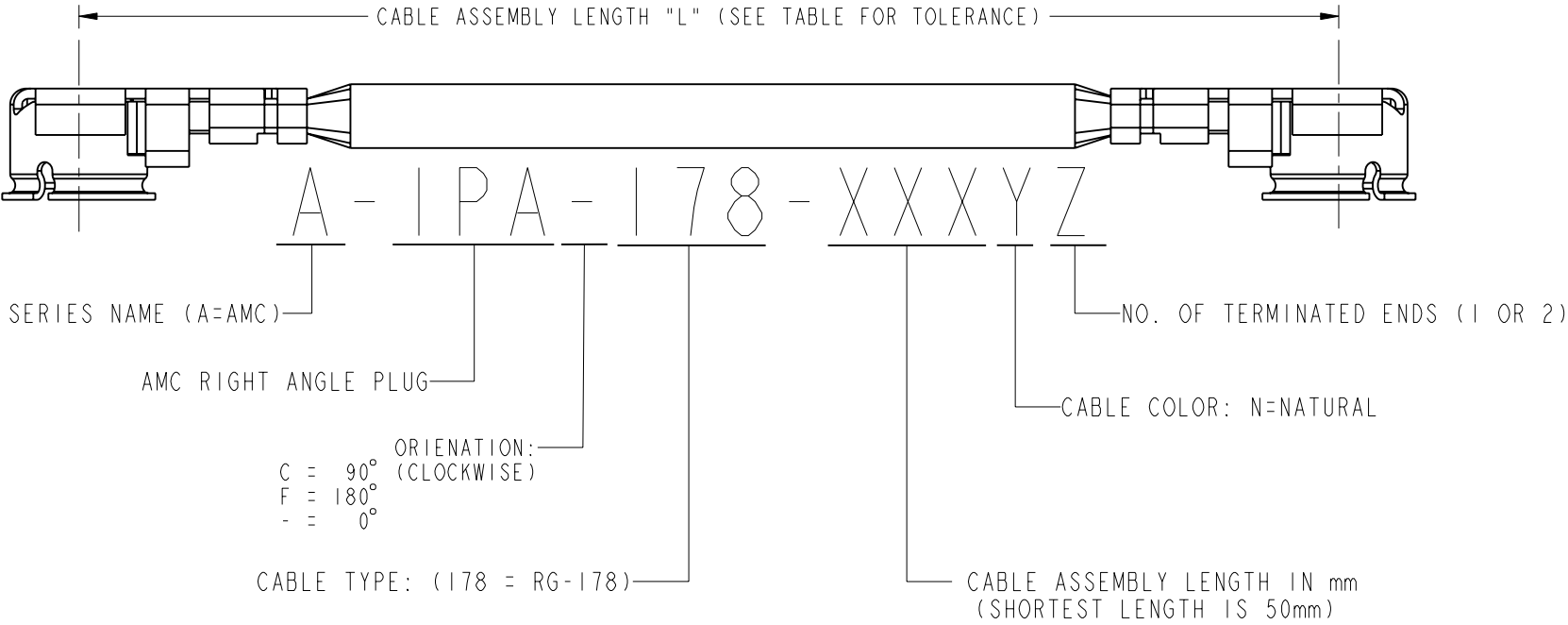
SCALE 3.000

CABLE ASSEMBLY TOLERANCES

OVERALL LENGTH L (mm)	STANDARD TOLERANCE (mm)	ANGULAR TOLERANCE ± °
50<L<100	± 4	± 30°
101 < L 200	± 4	± 45°
201 < L 500	± 8	± 45°
501 < L 1000	± 12	± 45°
1001 < L	±1.5 %	± 45°



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

DRAWN

DATE

TITLE

Amphenol RF

www.amphenolrf.com

DRAWING NO. A-IPA-178-XXXXYZ

ITEM NO. A-IPA-178-XXXXYZ

PART NO. A-IPA-178-XXXXYZ

K. SONG

30-Dec-16

CABLE ASSY
AMC, PLUG

ENGINEER
ENGINEER: I

DATE
19-May-14

REFERENCE
EAR:D AND

APPROVED
S. HSIEH

DATE
1-Jan-17

SCALE: 8.0:1.0 SHEET 2 OF 2

DWG SIZE
B

REV
B

FINISH

CONFIGURATION LEVEL: PTC.WM.LIFECYCLE.STATE:D

CAD FILE