

NOTES:

1. ELECTRICAL:

- A. IMPEDANCE: 50Ω (NOMINAL)  
B. FREQUENCY RANGE: DC-6 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: 1.30 MAX. (DC TO 3 GHz), 1.40 MAX. (3-6 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 Ø0.475 mm PIN GAUGE.  
B. DURABILITY: 30 CYCLES  
C. TEMPERATURE RANGE: -40°C TO +85°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

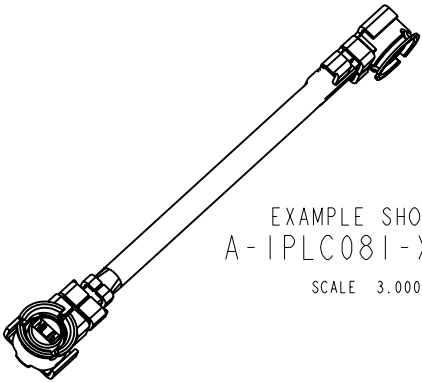
4. PACKAGING:

- A. BAGS OF 100 PIECES

THIRD ANGLE PROJ.

REVISIONS

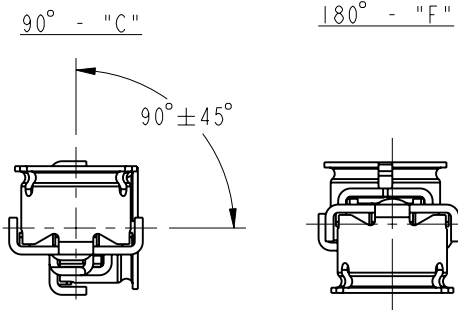
| REV | DESCRIPTION     | DATE      | ECO  | APPR |
|-----|-----------------|-----------|------|------|
| A   | RELEASE TO MFG  | 09-Nov-16 | 2381 | NR   |
| B   | DRAWING UPDATED | 05-Sep-18 | 2884 | JC   |



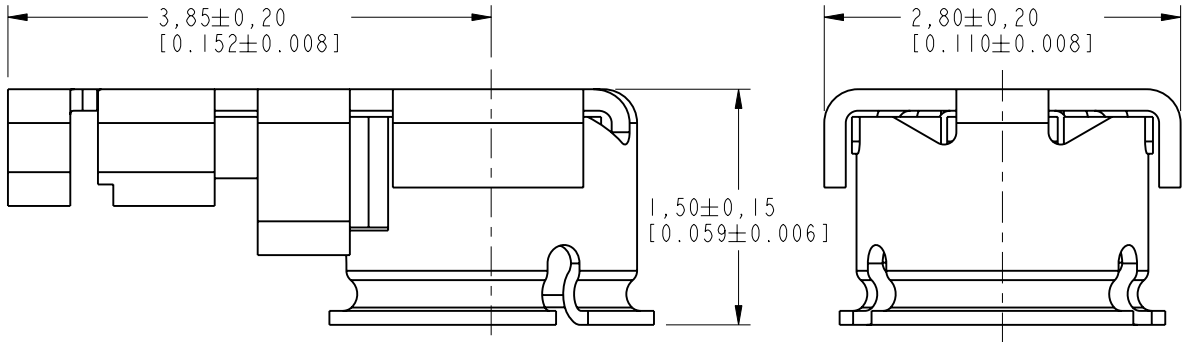
EXAMPLE SHOWN:  
A-IPLC081-XXXY2  
SCALE 3.000

CABLE ASSEMBLY TOLERANCE

| OVERALL LENGTH<br>L (mm) | STANDARD<br>TOLERANCE (mm) |
|--------------------------|----------------------------|
| 35.00<L<200.00           | ± 4.00                     |
| 200.00 < L 500.00        | ± 8.00                     |
| 500.00 < L 1000.00       | ± 12.00                    |
| 1000.00 < L              | ±1.50 %                    |

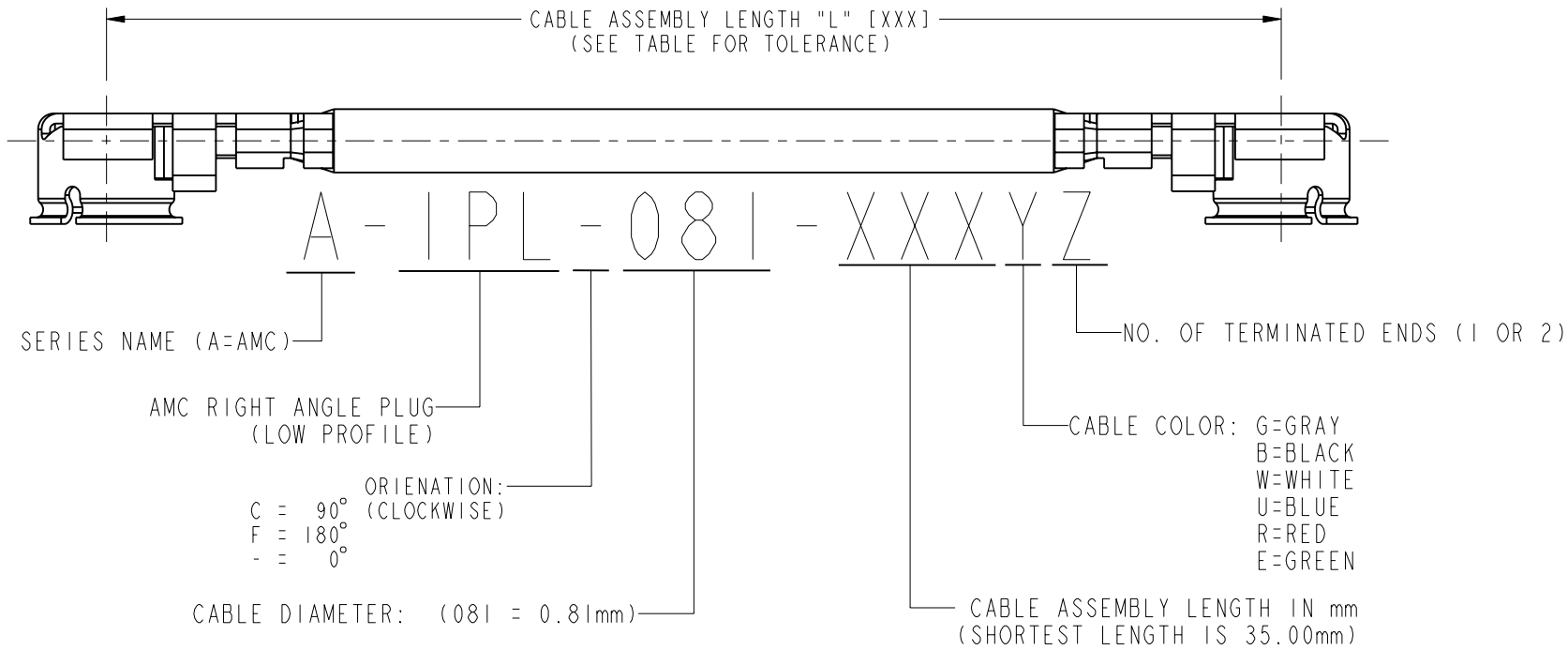


AMC RIGHT ANGLE PLUG DETAILS



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<br>-                | DRAWN<br>JEKY.C         | DATE<br>16-Mar-16 | TITLE<br>AMC R/A PLUG<br>TO AMC R/A PLUG<br>USING 0.81 CABLE |              | Amphenol RF<br>www.amphenolrf.com |
| REFERENCE<br>EAR # 7140 AND  | ENGINEER<br>RAJAGOPAL N | DATE<br>05-Sep-18 |                                                              |              |                                   |
| CONFIGURATION LEVEL: In Work | APPROVED<br>S.HSIEH     | DATE<br>06-Sep-18 | SCALE: 8.0:1.0                                               | SHEET 2 OF 2 | DRAWING NO. A-IPL-081-XXXYZ       |
| FINISH                       | CAD FILE                |                   | DWG SIZE<br>B                                                | REV<br>B     | ITEM NO. A-IPL-081-XXXYZ          |
|                              |                         |                   |                                                              |              | PART NO. A-IPL-081-XXXYZ          |