

1. ELECTRICAL:

- A. IMPEDANCE: 50Ω (NOMINAL)
- B. FREQUENCY RANGE: 0-6 GHz
- C. CONTACT RESISTANCE: CENTER: $20m\Omega$ MAX.; MEASURED AT 10mA MAX. $25m\Omega$ MAX AFTER CYCLING
OUTSIDE: $10m\Omega$ MAX. $15m\Omega$ MAX AFTER CYCLING
- D. INSULATION RESISTANCE: $500M\Omega$ MIN.; MEASURED AT 100 VDC.
- E. WITHSTANDING VOLTAGE: NO LINE OR INSULATION BREAKDOWN: 200 VAC FOR 1 MIN.
- F. V.S.W.R. : 1.3 MAX. AT DC TO 3GHz, 1.4 MAX. AT 3 TO 6GHz
- G. TYPICAL INSERTION LOSS : $.0018 * L * \sqrt{\text{Frequency in GHz}} + .087 * \sqrt{\text{Frequency in GHz}}$

2. PHYSICAL:

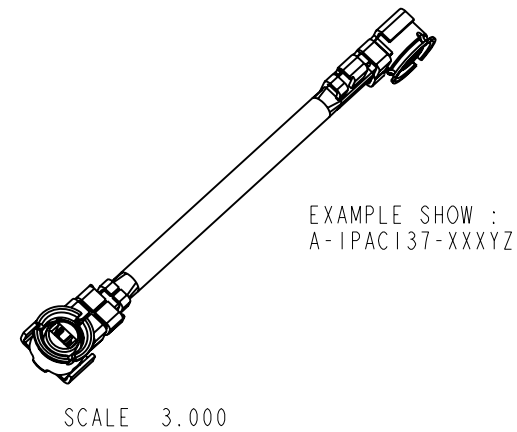
- A. FEMALE CONTACT HOLDING FORCE: 0.15N MIN. : MEASURED WITH A Ø0.475MM PIN GAUGE.
- B. DURABILITY: 30 CYCLES
- C. TEMPERATURE RANGE: -40°C TO +90°C.
- D. AMC CONNECTOR MATING FORCE: 15N TYPICAL
- E. AMC CONNECTOR DEMATING FORCE: 10N TYPICAL - 20N MAX
- F. AMC INTERFACE IS FULLY COMPATIBLE WITH "U.FL" SERIES PRODUCT.

3. MATERIALS AND FINISHES: (IN MICROMETERS)
CONNECTOR BODY: PHOSPHOR BRONZE, SILVER PLATED (0.76 MIN.) OVER COPPER (1 MIN)
CONNECTOR CENTER CONTACT: PHOSPHOR BRONZE, GOLD PLATED (0.076 MIN.) OVER NICKEL (2 MIN)
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. PACKAGED IN BAGS OF 100 PIECES

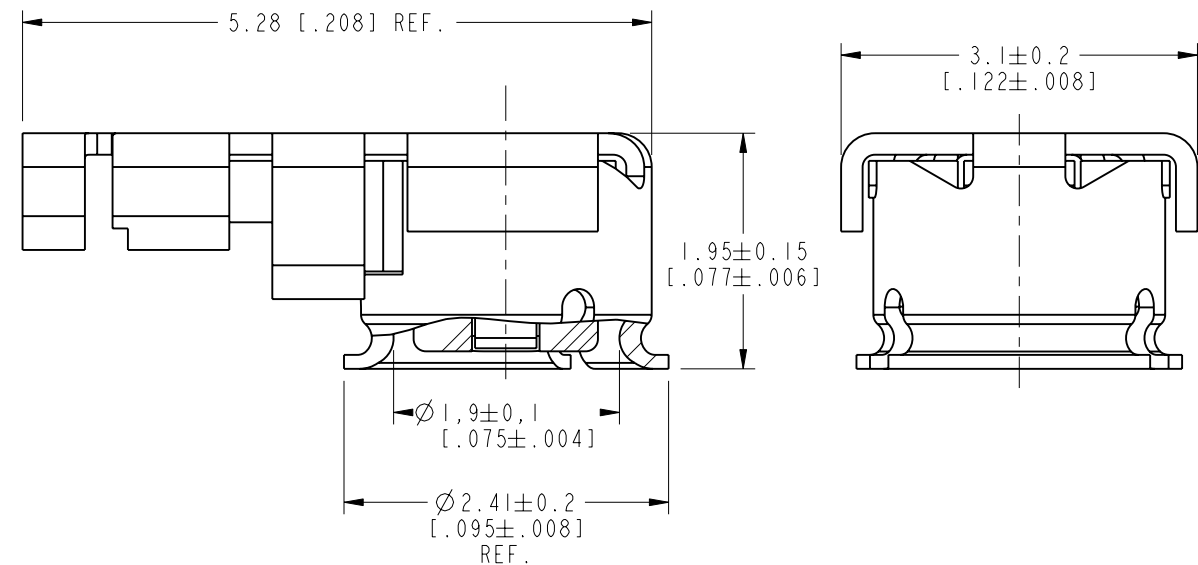
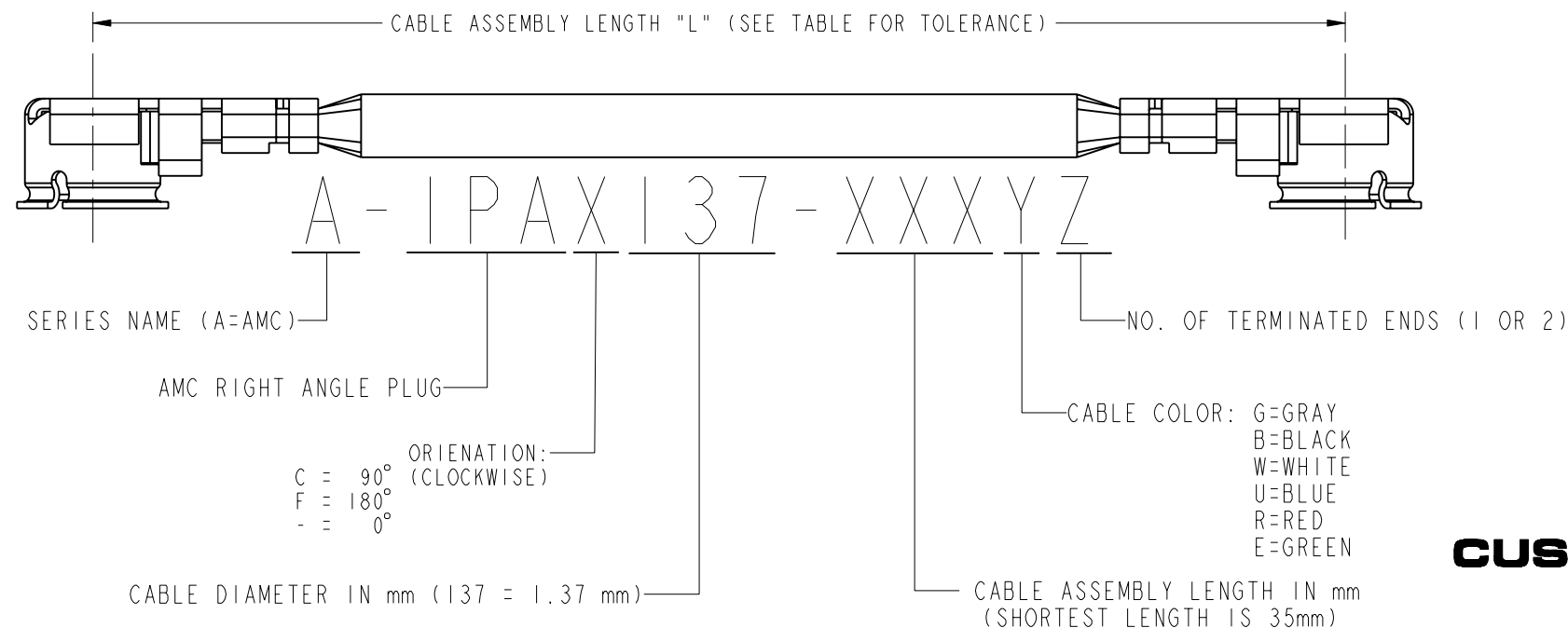
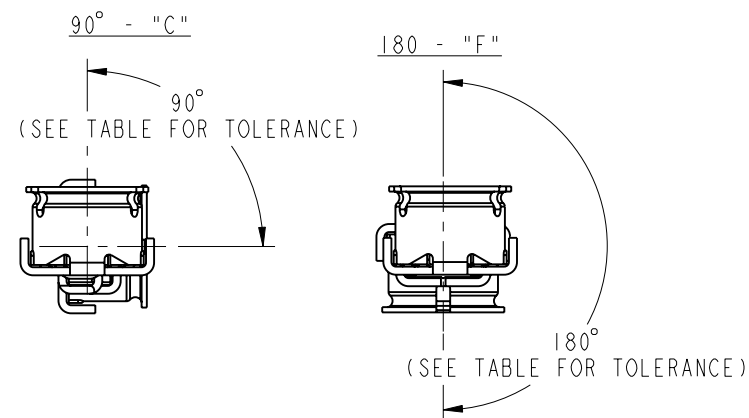
REVISIONS

REV	DESCRIPTION	DATE	ECO	APPR
-	RELEASE TO MFG.	- - - - -	- - - - -	- - - - -
E	REDRAWN, ADDED NOTE 1G,4&5 AND COD, ADD ORIENTAION AND COLORS	10/2/14	50005	EW



EXAMPLE SHOW :
A-IPACI37-XXXYZ

CABLE ASSEMBLY TOLERANCE		
OVERALL LENGTH L (mm)	STANDARD TOLERANCE (mm)	ORIENTATION TOLERANCE
35<L<100	± 4	±30°
100<L<200	± 4	±45°
200 < L 500	± 8	
500 < L 1000	± 12	
1000 < L	±1.5 %	



CUSTOMER OUTLINE DRAWING

ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

AMC RIGHT ANGLE PLUG

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN METRIC AND TOLERANCES ARE: <0.5mm 0.5 - 6mm 6 - 30mm 30 - 120mm ANGLES ± 0.05mm ± 0.1mm ± 0.2mm ± 0.3mm ± 1°	MATERIAL - -	DRAWN SUNDE	DATE 25-Nov-14	TITLE CABLE ASSY AMC, PLUG		Amphenol RF www.amphenolrf.com	
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	CONFIGURATION LEVEL: ☐ ☐ ☐	APPROVED HARRY	DATE 25-Nov-14	DWG SIZE B		REV E	ITEM NO. A-1PAX137-XXXXYZ
	FINISH	CAD FILE					PART NO. A-1PAX137-XXXXYZ