

NOTES:

1. ELECTRICAL:
 A. IMPEDANCE: 50Ω (NOMINAL)
 B. FREQUENCY RANGE: DC-6.0 GHz
 C. CONTACT RESISTANCE: CENTER CONTACT: $20m\Omega$ MAX.
 OUTER CONTACT: $20m\Omega$ MAX.
 D. INSULATION RESISTANCE: $500M\Omega$ MIN.: MEASURED AT 100 VDC FOR 1 MINUTE
 E. D.W.V: 200 VRMS(AC) FOR 1 MINUTE.
 F. VSWR: 1.3 MAX. (DC TO 3.0 GHz), 1.45 MAX. (3.0-6.0 GHz)

2. PHYSICAL:
 A. DURABILITY: 30 CYCLES
 B. TEMPERATURE RANGE: -40°C TO $+85^\circ\text{C}$.
 C. AMC4 CONNECTOR DEMATING FORCE: 5N MIN. (INITIAL), 3N MIN. (AFTER 30 CYCLES)
 D. AMC4 INTERFACE IS FULLY COMPATIBLE WITH "818000501" SERIES PRODUCT.

3. MATERIALS AND FINISHES (MICRO-METERS):
 CONNECTOR BODY: PHOSPHOR BRONZE, SILVER PLATED (0.76um MIN.) OVER COPPER (1-2)um
 CONNECTOR CENTER CONTACT: PHOSPHOR BRONZE, GOLD PLATED (0.07um MIN.) OVER NICKEL (1.3-2.5)um
 CONNECTOR INSULATOR: HIGH TEMP PLASTIC UL 94V-0, BLACK
 CABLE JACKET: EXTRUDED FEP
 CABLE DIELECTRIC: FEP
 CABLE CENTER CONDUCTOR: ANNEALED COPPER WIRE STRANDED, SILVER PLATED
 CABLE OUTER CONDUCTOR: ANNEALED COPPER WIRE BRAID, TIN PLATED

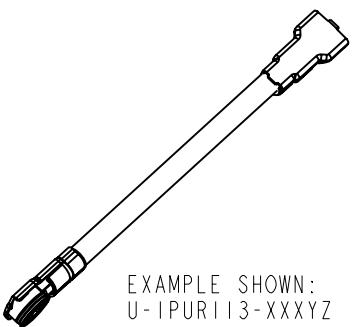
4) USS IS ECT MANUFACTURER'S NAME FOR AMC4

5. AMC4 IS FULLY COMPATIBLE WITH IPEX MH4 AND MURATA HSC

THIRD ANGLE PROJ. 

REVISIONS

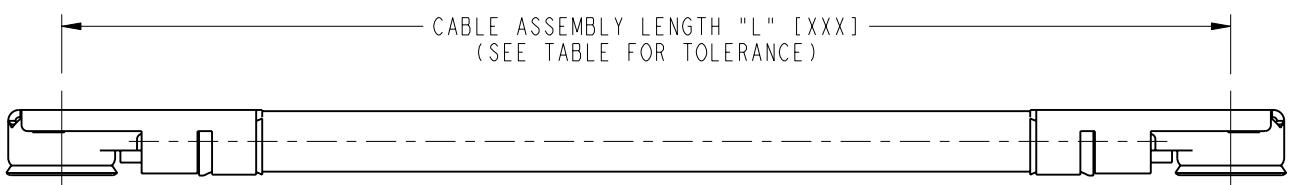
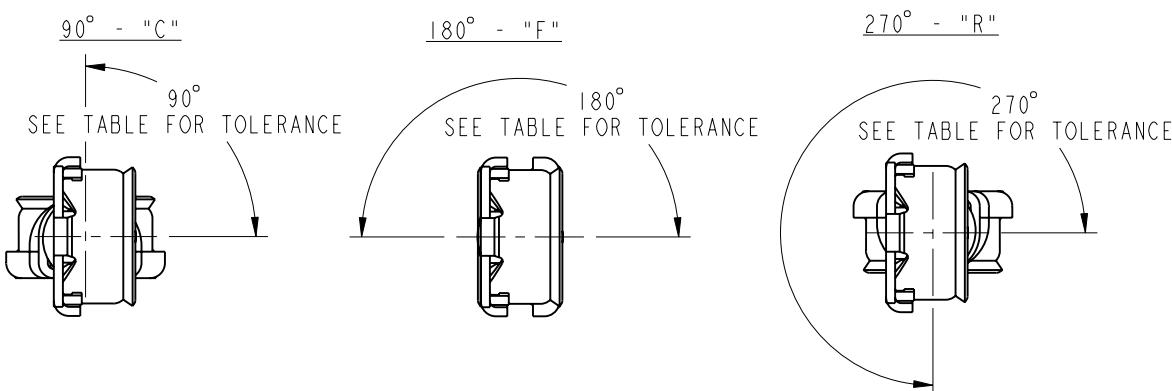
REV	DESCRIPTION	DATE	ECO	APPR
A	RELEASE TO MFG.	25-Feb-16	KZ	
B	AMC4 WAS USS, ADD NOTE 4 AND 5	05-Jun-18	8268	NB



EXAMPLE SHOWN:
 U-IPUX113-XXXXYZ

CABLE ASSEMBLY TOLERANCE

OVERALL LENGTH L (mm)	STANDARD TOLERANCE (mm)	ORIENTATION TOLERANCE
35 < L < 200	± 4	$\pm 30^\circ$
201 < L < 500	± 8	
501 < L < 1000	± 12	
1001 < L	$\pm 1.5\%$	$\pm 45^\circ$

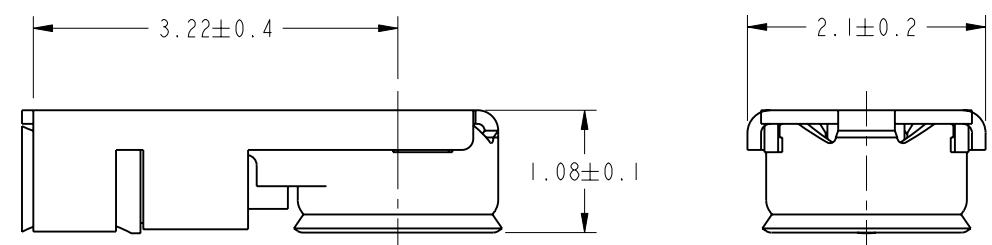


4) SERIES NAME (U=USS)
 U - I P U X | | 3 - X X X Y Z
 AMC4 RF IV PLUG
 ORIENTATION:
 C = 90° (CLOCKWISE)
 F = 180°
 R = 270°
 - = 0°

CABLE DIAMETER: (113 = 1.13mm)

NO. OF TERMINATED ENDS (1 OR 2)
 CABLE COLOR: G=GRAY
 B=BLACK
 W=WHITE
 U=BLUE
 R=RED
 E=GREEN

CABLE ASSEMBLY LENGTH IN mm
 (SHORTEST LENGTH IS 35mm)



AMC4 RIGHT ANGLE PLUG

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN METRIC AND TOLERANCES ARE:
 <0.5mm 0.5 - 6mm 6 - 30mm 30 - 120mm ANGLES
 $\pm 0.05\text{mm}$ $\pm 0.1\text{mm}$ $\pm 0.2\text{mm}$ $\pm 0.3\text{mm}$ $\pm 1^\circ$

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MATERIAL
 DRAWN
 K.ZHANG
 DATE
 25-Feb-16
 ENGINEER
 FIGO
 DATE
 25-Feb-16
 REFERENCE
 EAR #6325
 U-IPAG081-XXXX2
 APPROVED
 S.HSIEH
 DATE
 12-Jun-18
 CAD FILE
 FINISH

TITLE
 CABLE ASSY
 AMC4, PLUG

SCALE: 8.0:1.0 SHEET 1 OF 1
 DWG SIZE B REV B

Amphenol RF

www.amphenolrf.com

DRAWING NO. U-IPUX113-XXXXYZ
 ITEM NO. U-IPUX113-XXXXYZ
 PART NO. U-IPUX113-XXXXYZ

Mouser Electronics

Authorized Distributor

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