

NOTES:

1. ELECTRICAL:
A. IMPEDANCE: 50Ω (NOMINAL)
B. FREQUENCY RANGE: DC-6.0 GHz
C. CONTACT RESISTANCE: CENTER CONTACT: 20mΩ MAX
OUTER CONTACT: 20mΩ MAX.
D. INSULATION RESISTANCE: 500MΩ 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°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

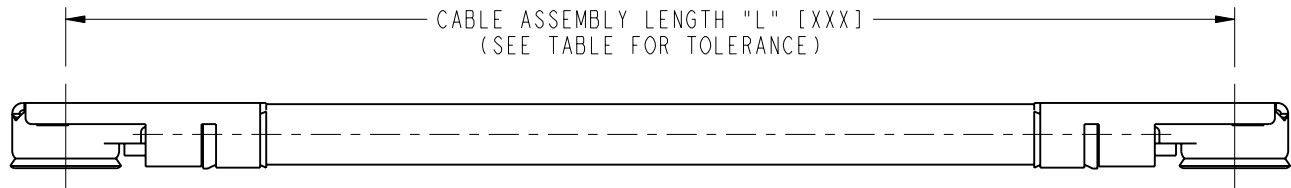
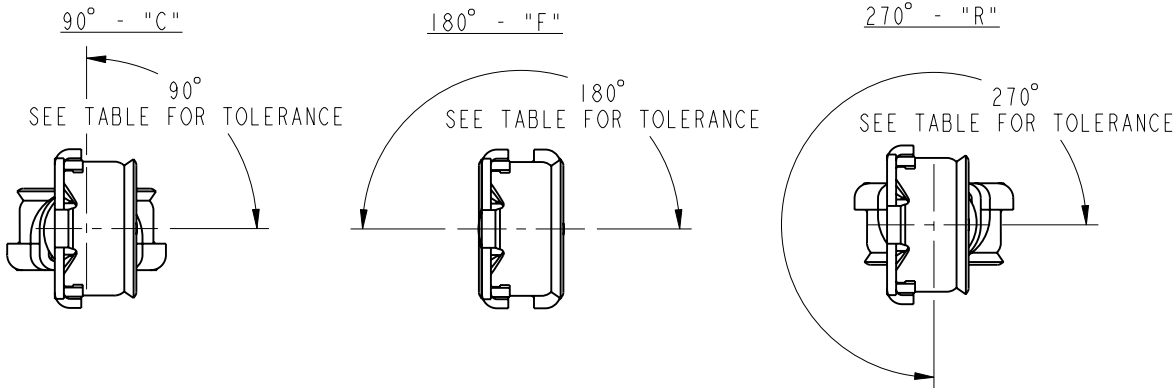
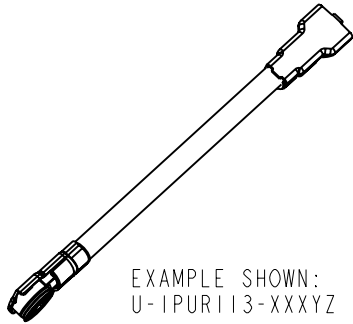
THIRD ANGLE PROJ.

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

CABLE ASSEMBLY TOLERANCE

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



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U-IPUX113-XXXYZ

SERIES NAME (U=USS)

AMC4 RF IV PLUG

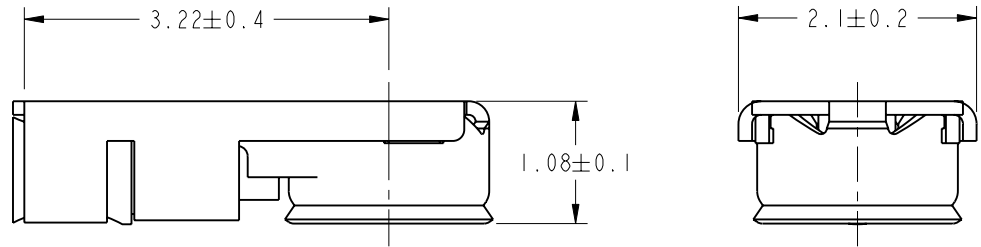
ORIENTATION:
(CLOCKWISE)
C = 90°
F = 180°
R = 270°
- = 0°

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 ± 0.05mm 0.5 - 6mm ±0.1mm 6 - 30mm ±0.2mm 30 - 120mm ± 0.3mm ANGLES ±1°

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MATERIAL	DRAWN K.ZHANG	DATE 25-Feb-16	TITLE CABLE ASSY AMC4, PLUG		Amphenol RF www.amphenolrf.com	
	ENGINEER FIGO	DATE 25-Feb-16			DRAWING NO. U-IPUX113-XXXYZ	
	REFERENCE EAR #6325 U-IPAG081-XXXY2	APPROVED S.HSIEH	DATE 12-Jun-18	SCALE: 8.0:1.0 SHEET 1 OF 1		ITEM NO. U-IPUX113-XXXYZ
	FINISH	CAD FILE		DWG SIZE B	REV B	PART NO. U-IPUX113-XXXYZ

Mouser Electronics

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