

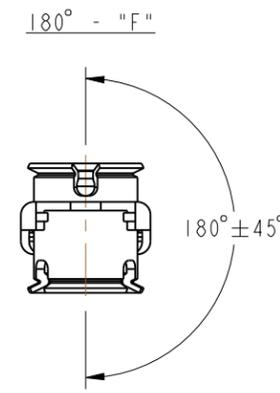
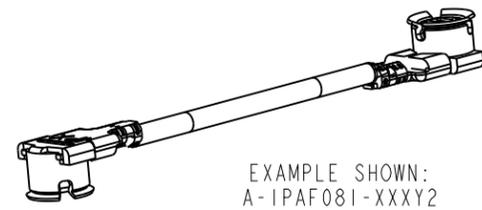
NOTES:

- ELECTRICAL:
 - A. IMPEDANCE: 50Ω (NOMINAL)
 - B. FREQUENCY RANGE: DC-6.0 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), 1.400 MAX. (3.0-6.0 GHz)
 - G. TYPICAL INSERTION LOSS : $[0.00384 \times (L \text{ in mm}) \times \sqrt{\text{Freq. in GHz}}] + [0.078 \times \sqrt{\text{Freq. in GHz}}]$

- 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: 7 N TYPICAL
 - E. AMC CONNECTOR DEMATING FORCE: 4 N MIN 1st CYCLE / 2 N MIN AFTER
 - F. AMC INTERFACE IS FULLY COMPATIBLE WITH "U.FL" SERIES PRODUCT.

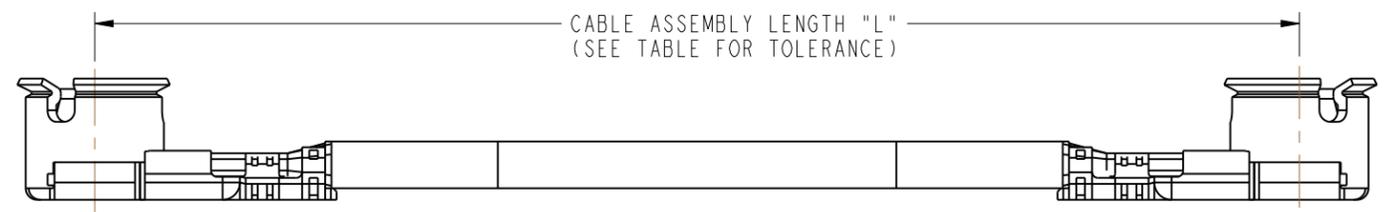
- MATERIALS AND FINISHES (IN MICROMETERS):
 - CONNECTOR BODY: PHOSPHOR BRONZE, CONTACT PART GOLD PLATED (0.02μm MIN.) OVER NICKEL (1μm MIN.)
 - CONNECTOR CENTER CONTACT: PHOSPHOR BRONZE, CONTACT PART GOLD PLATED (0.1μm MIN.) OVER NICKEL (1μm MIN.)
 - CONNECTOR INSULATOR: HIGH TEMP PLASTIC UL 94V-0, WHITE
 - CABLE JACKET: FEP
 - CABLE DIELECTRIC: FEP
 - CABLE CENTER CONDUCTOR: ANNEALED COPPER WIRE STRANDED, SILVER PLATED
 - CABLE OUTER CONDUCTOR: ANNEALED COPPER WIRE BRAID, TIN PLATED

- PACKAGING:
 - A. BAGS OF 100 PIECES

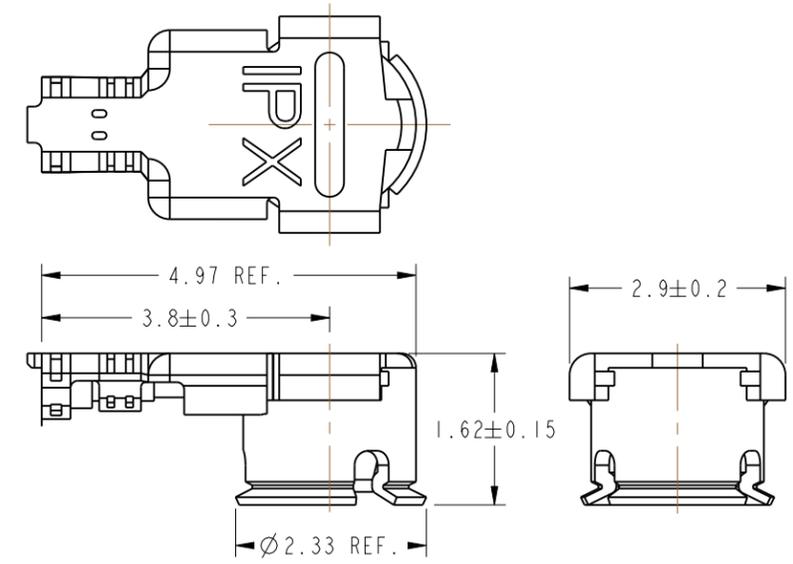


REVISIONS				
REV	DESCRIPTION	DATE	ECN	BY
A	RELEASE TO MFG.	6/17/14	50043	BCG
B	DIMENSIONS CORRECTED 3.75 REF WAS 4 ± 0.4 , 2.8 ± 0.2 WAS 3.1 ± 0.2 , 2 ± 0.1 WAS 1.95 ± 0.15	21-Apr-18	07821	SS
C	CONNECTOR BODY WAS SILVER PLATED, SOURCE WAS CHANGED, UPDATED FORMAT	11-Nov-22	16547	SH

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



AMC RIGHT ANGLE PLUG DETAILS



A-IPAX081-XXXYZ

SERIES NAME (A=AMC) — AMC RIGHT ANGLE PLUG (MHF II) — ORIENTATION: F = 180° (CLOCKWISE) — CABLE COLOR: G=GRAY, B=BLACK, W=WHITE, U=BLUE, R=RED, E=GREEN — NO. OF TERMINATED ENDS (1 OR 2) — CABLE ASSEMBLY LENGTH IN MM (SHORTEST LENGTH IS 35MM) (L<1000MM) EXAMPLE: 150=150MM, 01K=1000MM, CHANGE "-" TO "X" WHEN L>1000MM EXAMPLE: 1020=1020MM — CABLE DIAMETER: (081 = 0.81mm)

CUSTOMER OUTLINE DRAWING

ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

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THIRD ANGLE PROJ.			ANGLES = ±1°			ENGR.1 STAR			ENGR.2 L.QIN			DATE 23-Apr-18		
REFERENCE			EARTH			CABLE ASSY MHF II, PLUG (0.81)			SHEET NO. 2 OF 2			SCALE: 8.0:1.0		
DRAWING NO. A-1PAX081-XXXYZ			ITEM NO. A-1PAX081-XXXYZ			PART NO. A-1PAX081-XXXYZ			SIZE B			REV		