

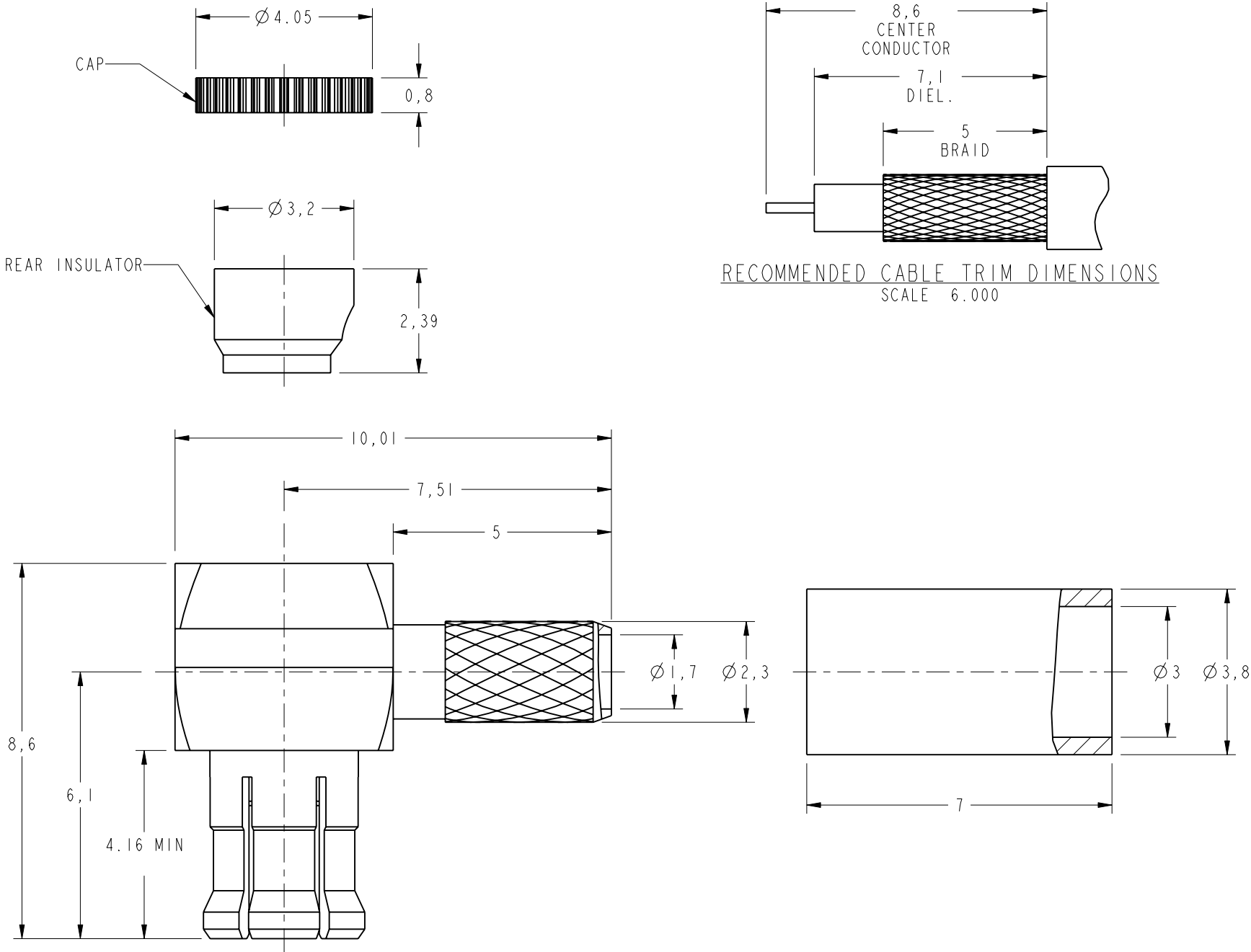
NOTES:

1. MATERIALS OF CONSTRUCTION:
HOUSING = BRASS , GOLD PLATED (.000003 MIN THICK)
BODY = BERYLLIUM COPPER, GOLD PLATED (.000003 MIN THICK)
CONTACT PIN = BRASS , GOLD PLATED (.000030 MIN THICK)
COVER = BRASS , GOLD PLATED (.000003 MIN THICK)
INSULATOR = TEFLON PER MIL-P-19468
INSULATOR = DELRIN, COLOR NATURAL
2. ELECTRICAL DATA:
VSWR = 1.05 MAX TO 1 GHz
1.30 MAX TO 6 GHz
INSERTION LOSS = .05 dB MAX TO 1 GHz
(MATED PAIR) = .15 dB MAX TO 6 GHz
3. CONTACT AND FRONT INSULATOR WITHSTANDS 2.3 LBS AXIAL FORCE
IN BOTH DIRECTIONS BEFORE ASSEMBLING REAR INSULATOR AND CAP.
4. CABLE ASSEMBLY INSTRUCTIONS:
A. TRIM CABLE AS SHOWN
B. INSERT CABLE INTO BODY
C. CRIMP USING AMPHENOL TOOL 227-944
WITH DIE SET227-1221-03,
CAVITY 'A' (.128 HEX) FOR FERRULE
D. AFTER CRIMPING, SOLDER CABLE CENTER CONDUCTOR TO CONTACT, THE SOLDER
MUST NOT PROTRUDE ABOVE THE CENTER CONTACT END SURFACE
E. ORIENT REAR INSULATOR SLOT WITH CABLE DIELECTRIC AND INSERT TO DIMENSION SHOWN
F. INSERT CAP UNTIL FLUSH WITH SURFACE OF BODY, INSERTION TOOLING
MUST ENSURE THAT CAP SURFACE IS PARALLEL TO BODY SURFACE
5. PACKAGING:
A. PACKAGE CONNECTOR AS PER ROUTING INSTRUCTIONS.
B. MARK BAG OR TAG "919-181P-71AX YYWW"

THIRD ANGLE PROJ.

REVISIONS

REV	DESCRIPTION	DATE	ECO	APPR
B	SEE SHEET 1	04-Jan-06		SH
C	SEE SHEET 1	11-Jan-08		AW
D	SEE SHEET 1	7/15/09		SH
E	UPDATED, SYNC DRAWINGS	14-Dec-10	48371	CPM



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

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REFERENCE

EAR# 927
GEN# ASSYM18.MCX
SIMILAR TO 919-177P-71AX

FINISH

DRAWN

S.LI

DATE

14-Dec-10

ENGINEER

C.WANG

DATE

11-Jan-08

APPROVED

S.HSIEH

DATE

14-Dec-10

CAD FILE

Root Folder/MCX/919-181P-71AX

TITLE

MCX R/A CRIMP PLUG
75 OHM (FOR
RG-179/U 187A/U)

SCALE: 8.0:1.0

SHEET 2 OF 2

DWG SIZE

B

REV

E

Amphenol RF

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DRAWING NO. 919-181P-71AX

ITEM NO. 919-181P-71AX

PART NO.919-181P-71AX