NOTES:

1. MATERIALS AND FINISHES:
   FAKRA PLUG:
   BODY - ZINCE ALLOY, NICKEL PLATING
   CONTACT - BRASS & BERYLLIUM COPPER, GOLD PLATING

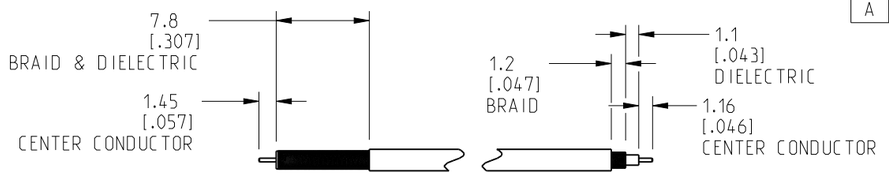
   AMC RA PLUG:
   BODY - PHOSPHOR BRONZE, GOLD PLATING
   CONTACT - PHOSPHOR BRONZE, GOLD PLATING

   CABLE - RG 178

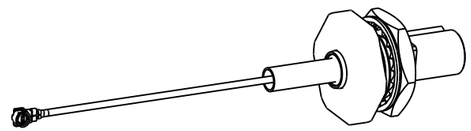
2. ELECTRICAL:
   A. IMPEDANCE: 50 OHMS

3. PACKAGING:
   A. PACKAGE CABLE ASSEMBLY PER ROUTING INSTRUCTIONS.
   B. MARK PACKAGING OR TAG "AMPHENOL RF 95-820-253-XXY YYWW"

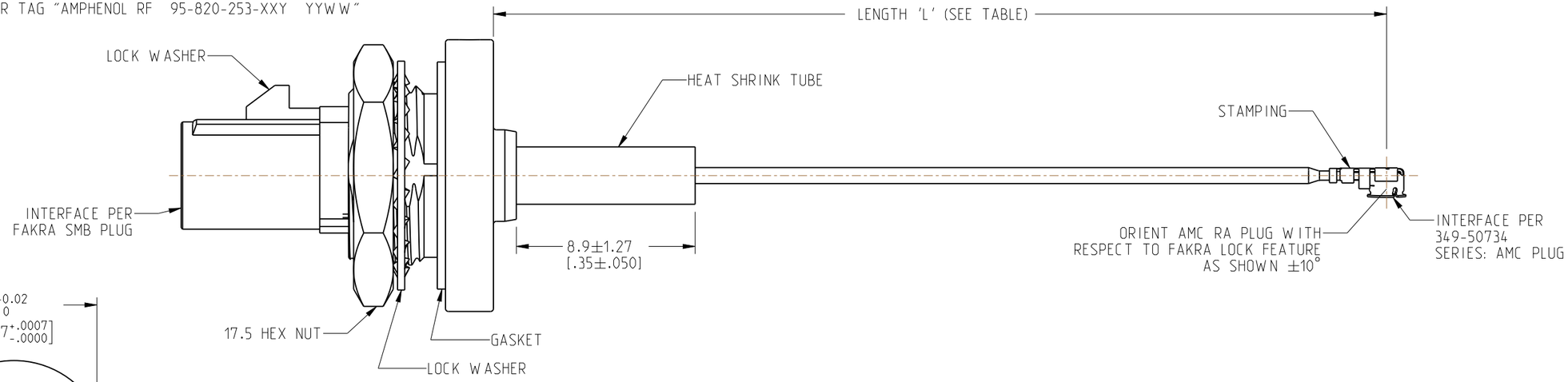
REVISIONS				
REV	DESCRIPTION	DATE	ECN	BY
A	RELEASE MFG.	07-APR-26	17856	SEH



RECOMMENDED CABLE STRIPPING DIMENSIONS



SCALE 1.000



SCALE 3.000

RECOMMENDED MOUNTING HOLE DIMENSIONS

FAKRA KEY TABLE		
CODING	COLOR	RAL NO.
A	JET BLACK	9005
B	CREAM	9001
C	SIGNAL BLUE	5005
D	CLARET VIOLET	4004
E	LEAF GREEN	6002
F	NUT BROWN	8011
G	BLUE GREY	7031
H	HEATHER VIOLET	4003
I	BEIGE	1001
K	CURRY	1027
L	CARMINE RED	3002
M	PASTEL ORANGE	3003
N	PASTEL GREEN	6019
Z	WATER BLUE	5021

LENGTH TABLE	
PART NUMBER (IMPERIAL)	LENGTH AND TOLERNACE "L" IN MM [INCHES]
95-820-253-05Y	50.00 ± 2.50 [1.967±0.150]
95-820-253-10Y	100.00 ± 2.50 [3.937±0.150]
95-820-253-15Y	150.00 ± 3.75 [5.906±0.150]
95-820-253-20Y	200.00 ± 5.00 [7.874±0.200]
95-820-253-25Y	250.00 ± 6.25 [9.843±0.200]
95-820-253-30Y	300.00 ± 7.50 [11.811±0.200]

ADDITIONAL LENGTHS AND FAKRA KEY CODES AVAILABLE BY CHANGING XXY TO DESIRED LENGTH IN MM AND FAKRA KEY CODE.
FOR THE DETAIL FAKRA KEY CODE, SEE FAKRA KEY CODE TABLE FOR CLARITY CONTACT AMPHENOL RF MARKETING FOR QUOTE.
EXAMPLE: -09B IS 90MM WITH FAKRA KEY CODE "B."

DESIGN REQUIREMENTS

X	FREQUENCY:	DC TO --- GHz	X	CONTINUITY	
	VSWR:	---- :1 MAX	X	HI-POT:	--- VRMS
	INS. LOSS:	---- dB MAX		OTHER	

CUSTOMER OUTLINE DRAWING

ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

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UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE METRIC [INCHES] AND TOLERANCES ARE:
<0.5mm = ±0.05mm [<0.020 = ±0.002]
0.5 - 6mm = ±0.1mm [>0.020 - 0.236 = ±0.004]
>6.00 - 30mm = ±0.2mm [>0.236 - 1.181 = ±0.008]
>30.00 - 120mm = ±0.3mm [>1.181 - 4.725 = ±0.012]
ANGLES = ±1°

MATERIAL: SEE NOTES

TITLE: FAKRA IP-67 PLUG TO AMC RA PLUG USING RG 178 CABLE VAR. LENGTHS

THIRD ANGLE PROJ.	REFERENCE	EAR# 13193	
ENGR.1 S. HOFFLER	ENGR.2	DATE 22-AUG-25	
SHEET NO. 2 OF 2	SCALE: 3.0:1.0		

Amphenol RF

SIZE	DRAWING NO.	REV
B	95-820-253-XXY	A
	ITEM NO. 95-820-253-XXY	
	PART NO. 95-820-253-XXY	

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