

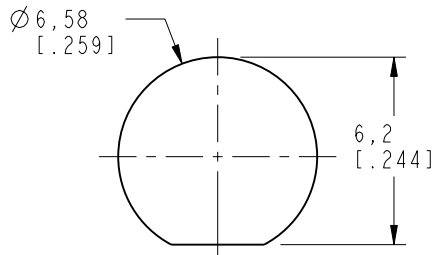
NOTES:

1. MATERIALS AND FINISHES:
FAKRA SMB STR PLUG:
BODY - ZINC ALLOY, NICKEL PLATING
CONTACT - BRASS, GOLD PLATING
COVER - NILON 46, COLOR, SEE TABLE BELOW
INSULATOR - PTFE, NATURAL
CABLE - 1.13 MM
2. ELECTRICAL
A. IMPEDANCE: 50 OHM
3. PACKAGING
A. QUANTITY: SINGLE PACK
B. MARKING : BAG TO BE MARKED
"AMPHENOL RF, 95-820-124-XXX & DATE CODE"
SEE TABLE

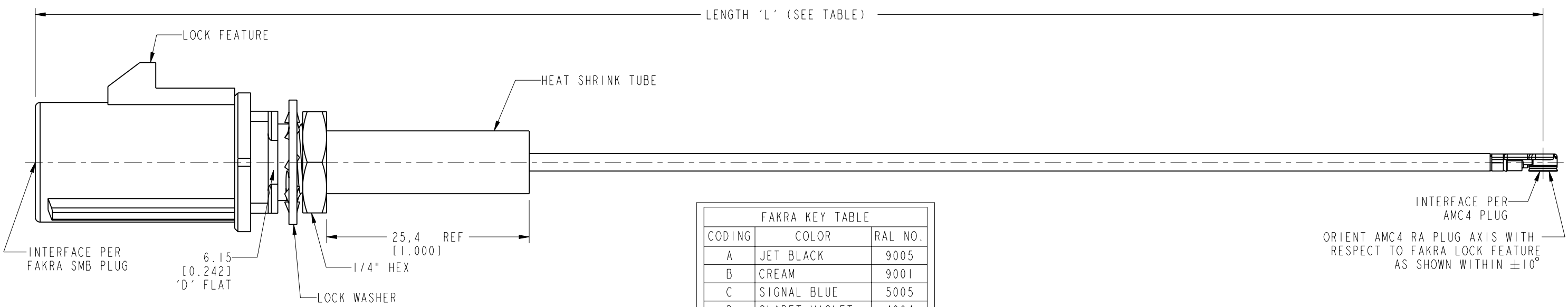
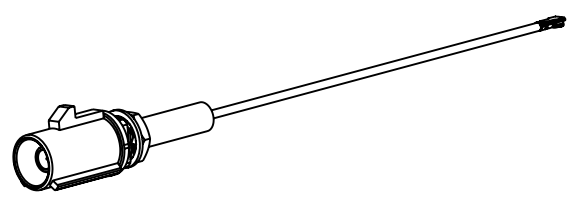
THIRD ANGLE PROJ.

REVISIONS

REV	DESCRIPTION	DATE	ECN	APPR
A	RELEASE TO MFG.	27-Mar-20	13986	VR
B	NO CHANGES ON THIS SHEET	22-Jun-20	15242	SH



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

INTERFACE PER
AMC4 PLUG

ORIENT AMC4 RA PLUG AXIS WITH
RESPECT TO FAKRA LOCK FEATURE
AS SHOWN WITHIN ±10°

DESIGN REQUIREMENTS:

☒ FREQUENCY: DC - 6 GHz

☒ CONTINUITY

☐ VSWR: ____ MAX.

☒ HI-POT: 200 VRMS

☐ INS. LOSS: ____dB MAX.

☐ OTHERS:

ADDITIONAL LENGTHS AND FAKRA KEY CODES AVAILABLE BY
CHANGING XXX 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: -10B IS 100MM WITH FAKRA KEY CODE "B"

LENGTH TABLE	
PART NUMBER	LENGTH AND TOLERANCE 'L' IN MM (INCHES)
95-820-124-05X	50.00 ± 3.81 [1.969 ± 0.150]
95-820-124-10X	100.00 ± 3.81 [3.937 ± 0.150]
95-820-124-15X	150.00 ± 3.81 [5.906 ± 0.150]
95-820-124-20X	200.00 ± 5.08 [7.874 ± 0.200]
95-820-124-25X	250.00 ± 5.08 [9.843 ± 0.200]
95-820-124-30X	300.00 ± 5.08 [11.811 ± 0.200]

CUSTOMER OUTLINE DRAWING

ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN METRIC AND TOLERANCES ARE: <0.5mm 0.5 - 6mm 6 - 30mm 30 - 120mm ANGLES ± 0.05mm ±0.1mm ±0.2mm ± 0.3mm ±1°	MATERIAL	DRAWN	DATE	TITLE FAKRA SMB STR PLUG TO AMC4 RA PLUG USING 1.13 MM CABLE VARIOUS LENGTH		Amphenol RF www.amphenolrf.com		
	SEE NOTES	M. ZHANG	22-Jun-20					
	REFERENCE	ENGINEER	DATE			DRAWING NO. 95-820-124-XXX		
	EAR# 9542	VIJAY N M	25-Nov-19	ITEM NO. 95-820-124-XXX				
	REF:	APPROVED	DATE	PART NO. 95-820-124-XXX				
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	FINISH	CAD FILE			DWG SIZE	REV		
					B	B		