

NOTES:

1. MATERIALS AND FINISHES:
 - FAKRA SMB PLUG: BODY - ZINC ALLOY, NICKEL PLATING
CENTER CONTACT - BERYLLIUM COPPER, GOLD PLATING
 - AMC PLUG: BODY - PHOSPHOR BRONZE, SILVER PLATING
CENTER CONTACT - PHOSPHOR BRONZE, GOLD PLATING
 - CABLE: 1.37MM MICRO-COAX
2. ELECTRICAL :
 - A. IMPEDANCE: 50 OHM
3. MECHANICAL:
 - A. RECOMMENDED LOCKWASHER TORQUE: 1.13 N-M [10 IN-LBS]
4. PACKAGING:
 - A. QUANTITY: SINGLE PACK
 - B. MARKING: BAG TO BE MARKED
"AMPHENOL RF, 95-820-109-XXX, AND DATE CODE"



RECOMMENDED MOUNTING HOLE DIMENSIONS

THIRD ANGLE PROJ.

REVISIONS				
REV	DESCRIPTION	DATE	ECN	APPR
A	RELEASE TO MFG.	12-FEB-18	06921	BMG
B	FAKRA KEY TABLE ADDED	23-Aug-18	08941	KR



SCALE 1.000



PART NUMBER TABLE	
PART NUMBER	LENGTH "L" MM [IN]
95-820-109-05Y	50.00±5.00 [1.97±.20]
95-820-109-10Y	100.00±5.00 [3.94±.20]
95-820-109-15Y	150.00±5.00 [5.91±.20]
95-820-109-20Y	200.00±5.00 [7.87±.20]
95-820-109-25Y	250.00±5.00 [9.84±.20]
95-820-109-30Y	300.00±5.00 [11.81±.20]

ADDITIONAL LENGTHS AND FAKRA KEY CODES AVAILABLE BY CHANGING XXX TO DESIRED LENGTH IN MM AND FAKRA KEY CODE. CONTACT AMPHENOL RF MARKETING FOR QUOTE. EXAMPLE: -09B IS 90MM WITH FAKRA KEY CODE "B"

FAKRA KEY TABLE			
KEY CODE	ASSEMBLY PART #	COLOR	RAL NO.
A	95-820-109-XXA	JET BLACK	9005
B	95-820-109-XXB	CREAM	9001
C	95-820-109-XXC	SIGNAL BLUE	5005
D	95-820-109-XXD	CLARET VIOLET	4004
E	95-820-109-XXE	LEAF GREEN	6002
F	95-820-109-XXF	NUT BROWN	8011
G	95-820-109-XXG	BLUE GREY	7031
H	95-820-109-XXH	HEATHER VIOLET	4003
I	95-820-109-XXI	BEIGE	1001
K	95-820-109-XXK	CURRY	1027
L	95-820-109-XXL	CARMINE RED	3002
M	95-820-109-XXM	PASTEL ORANGE	3003
N	95-820-109-XXN	PASTEL GREEN	6019
Z	95-820-109-XXZ	WATER BLUE	5021

DESIGN REQUIREMENTS:

- | | |
|---|--|
| <input checked="" type="checkbox"/> FREQUENCY: DC TO 6 GHz | <input checked="" type="checkbox"/> CONTINUITY |
| <input checked="" type="checkbox"/> VSWR : 1.30 MAX @ 2 GHz
1.50 MAX @ 6 GHz | <input checked="" type="checkbox"/> HI-POT :200 VRMS |
| <input type="checkbox"/> INS. LOSS ----- dB MAX | <input type="checkbox"/> OTHER |

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°	MATERIAL SEE NOTES	DRAWN K. SONG	DATE 26-FEB-18	TITLE IP-67 FAKRA STR SMB PLUG TO AMC R/A PLUG ON 1.37MM CABLE, VARIOUS LENGTH		Amphenol RF www.amphenolrf.com
	REFERENCE EAR# 8550 REF: TRUE	ENGINEER B. GREENBAUM	DATE 16-OCT-17			
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	FINISH					DRAWING NO. 95-820-109-XXY ITEM NO. 95-820-109-XXY PART NO. 95-820-109-XXX