

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"

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 |



RECOMMENDED MOUNTING HOLE DIMENSIONS



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 | DRAWN | DATE | TITLE | | Amphenol RF www.amphenolrf.com |
| | SEE NOTES | K. SONG | 26-FEB-18 | IP-67 FAKRA STR SMB PLUG TO AMC R/A PLUG ON 1.37MM CABLE, VARIOUS LENGTH | | |
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| | EAR# 8550 | B. GREENBAUM | 16-OCT-17 | DWG SIZE B | | ITEM NO. 95-820-109-XXY |
| | REF: TRUE | S. HSIEH | 27-FEB-18 | REV B | | PART NO. 95-820-109-XXX |
| CONFIGURATION LEVEL: In Work | CAD FILE | | | | | |
| FINISH | | | | | | |