

NOTES:

1. MATERIALS AND FINISHES:
BODY: BRASS, GOLD PLATING
CONTACT: BERYLLIUM COPPER, GOLD PLATING.
INSULATOR: PTFE

2. PHYSICAL:
A. OPERATING TEMPERATURE: -65°C to +165°C
B. DURABILITY: 100 MATING CYCLES MINIMUM
C. INTERFACE: PROPRIETARY AFI INTERFACE

3. ELECTRICAL:
A. IMPEDANCE: 50 OHMS, NOMINAL
B. FREQUENCY RANGE: 0 TO 6 GHz
C. VSWR: 1.10 + 0.06 x F (GHz) MAX, FROM 0 TO 3 GHz
0.56 + 0.24 x F (GHz) MAX, FROM 3 TO 6 GHz
D. SEE 349-50861 FOR RECOMMENDED LAUNCH

4. PACKAGING:
A. SINGLE PACK IN BAG.
B. MARK BAG OR TAG: AMPHENOL RF
920-248P-51P
DATE CODE (YYWW)

5. ADD DIM "B" FROM PLUG AND DIM "A" FROM JACK OF TWO MATING CONNECTORS TO FIND THE NOMINAL BOARD-TO-BOARD SPACING.
AXIAL FLOAT IS ±0.50 [0.020"]
RADIAL FLOAT IS ±0.38 [0.015"]

THIRD ANGLE PROJ.

REV A

DESCRIPTION
RELEASE TO MFG.

DATE
30-Mar-14

ECO
49535

APPR
S. HEISH

REVISIONS

SCALE 2.400

Ø 5.08 [.200] TYP.

Ø 8.9 [.350]

Ø 10.97 [.432]

Ø 0.95 [.037] TYP.

Ø 1.75 [.069] TYP.

2.7 [.106]

3.44 [.135]

12.68 [.499]

13.29 [.523]

13.85 [.545]

MOUNTING SURFACE TO REFERENCE PLANE
DIM "B" - NOTE 5

Ø 2.41±0.08 [.095±.003]

5.08±0.08 [.200±.003]

5.08±0.08 [.200±.003]

Ø 1.5±0.08 [.059±.003] 4 PLACES

THROUGH HOLE FOR PCB LEGS 4 PLACES

TRACE PAD FOR SURFACE MOUNT CENTER CONTACT

SUGGESTED PCB FOOTPRINT

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN METRIC AND TOLERANCES ARE:
<0.5mm 0.5 - 6mm 6 - 30mm 30 - 120mm ANGLES
±0.1mm ±0.2mm ±0.3mm ±1°

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MATERIAL
SEE NOTES

DRAWN
M. DONG

DATE
28-Mar-14

ENGINEER
T. SMITH

DATE
17-Aug-12

APPROVED
S. HEISH

DATE
30-Mar-14

REFERENCE
EAR # 3289

CONFIGURATION LEVEL: □□□□

FINISH

TITLE
AFI STR PLUG
PCB MOUNT

Amphenol RF
www.amphenolrf.com

DRAWING NO. 920-248P-51P

ITEM NO. 920-248P-51P

PART NO. 920-248P-51P

SCALE: 8.0:1.0 SHEET 2 OF 2

DWG SIZE B

REV A

CUSTOMER OUTLINE DRAWING
ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY