

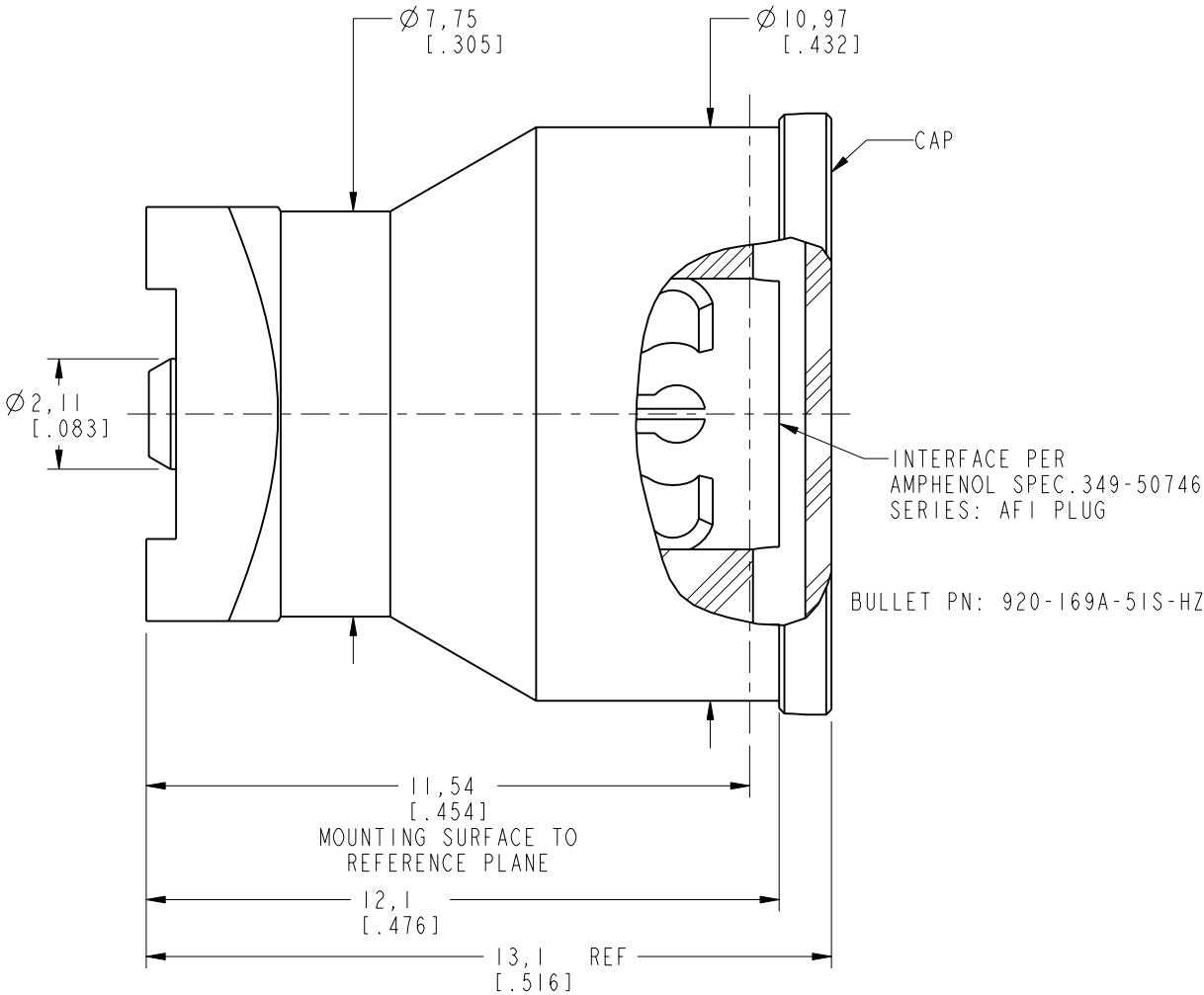
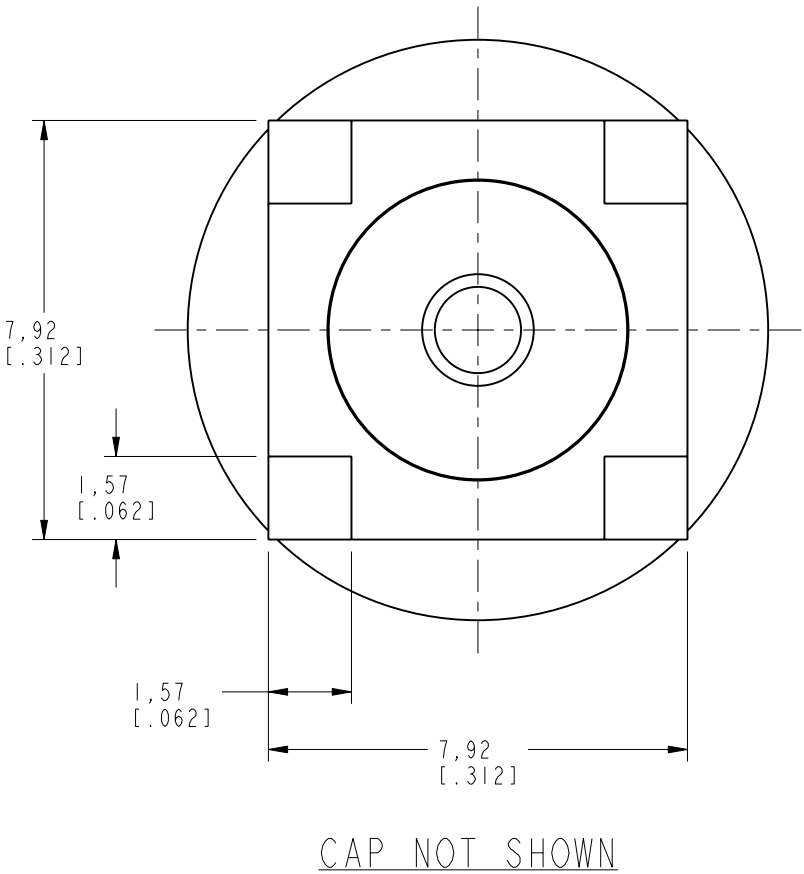
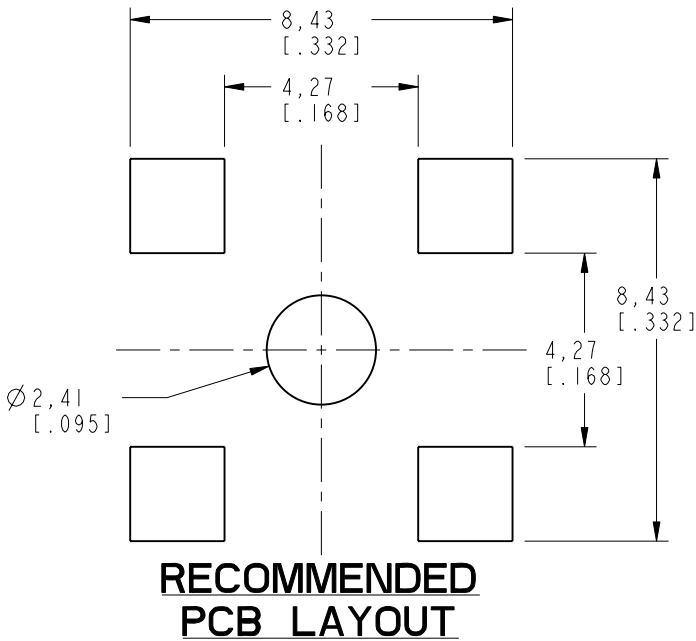
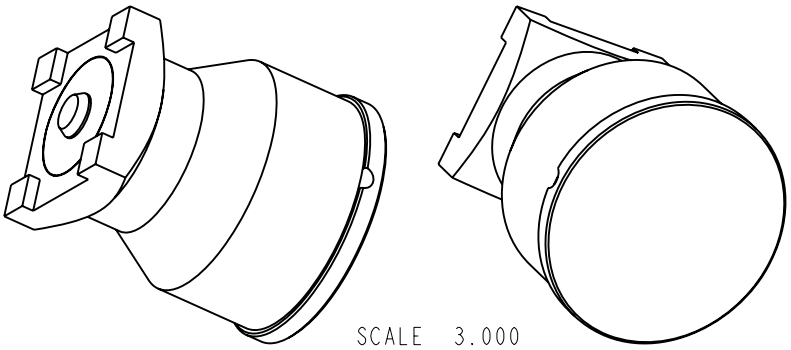
NOTES:

1. MATERIALS AND FINISHES:
BODY - BRASS, GOLD PLATING (.000030 MIN. THICK), OVER NICKEL (.000080 MIN. THICK)
CONTACT - BeCu, GOLD PLATING (.000030 MIN. THICK), OVER NICKEL (.000080 MIN. THICK)
BULLET BODY & CONTACT - BeCu, GOLD PLATING (.000030 MIN. THICK), OVER NICKEL (.000080 MIN. THICK)
INSULATORS - PTFE
2. ELECTRICAL:
A. IMPEDANCE: 50 OHM
B. FREQUENCY RANGE: DC - 5 GHz
C. VSWR: 1.20 FROM DC TO 2.5 GHz
1.30 FROM 2.5 GHz TO 5 GHz
D. DIELECTRIC WITHSTANDING VOLTAGE: 500 VRMS MIN
3. MECHANICAL:
A. DURABILITY: 100 CYCLES MIN.
B. TEMPERATURE RANGE: -65° C TO 165° C
4. PACKAGING:
A. TAPE & REEL: 13" REEL, 200 PCS PER REEL
B. TAPE & REEL TO BE MARKED
"AMPHENOL RF, 920-307P-51P, AND DATE CODE"
5. ADD THE "MOUNTING SURFACE TO REFERENCE PLANE"
DIMENSION OF TWO MATED CONNECTORS TO FIND THE
NOMINAL BOARD-TO-BOARD SPACING.
AXIAL FLOAT IS ±0.50 [0.020"]
RADIAL FLOAT IS ±0.38 [0.015"]
6. SEE SHEET 4 FOR RECOMMENDED PCB LAUNCH.

THIRD ANGLE PROJ.

REVISIONS

REV	DESCRIPTION	DATE	ECO	APPR
A	RELEASE TO MFG.	02-Jun-17	03881	RM



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°

NOTICE - These drawings, specifications, or other data (1) are, and remain the property of Amphenol corp. (2) must be returned upon request; and (3) are confidential and not to be disclosed to any person other than those to whom they are given by Amphenol Corp. the furnishing of these drawings, specifications, or other data by Amphenol Corp., or to any other person to anyone for any purpose is not to be regarded by implication or otherwise in any manner licensing, granting rights to permitting such holder or any other person to manufacture, use or sell any product, process or design, patented or otherwise, that may in any way be related to or disclosed by said drawings, specifications, or other data.

MATERIAL	
REFERENCE	
EAR# 7348	920-297P-51P
EXP# --	
CONFIGURATION LEVEL: In Work	
FINISH	

DRAWN	DATE
B.WYMAN	22-Jul-16
ENGINEER	DATE
B.WYMAN	22-Jul-16
APPROVED	DATE
S.HSIEH	02-Jun-17
CAD FILE	

TITLE	
AFI STR PLUG	
PCB SURFACE MOUNT	
50 OHM	
SCALE: 7.0:1.0	SHEET 2 OF 4
DWG SIZE B	REV A

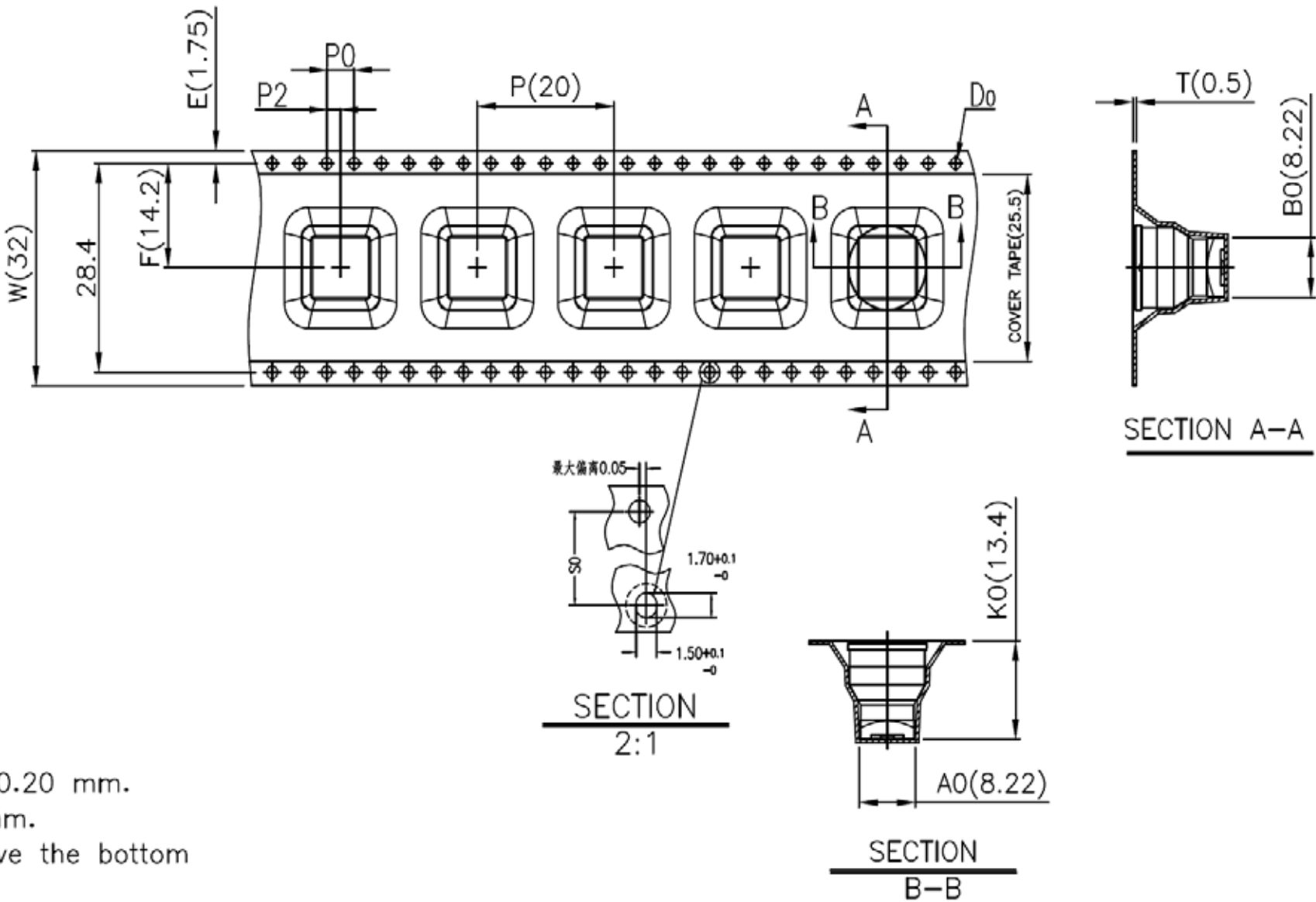
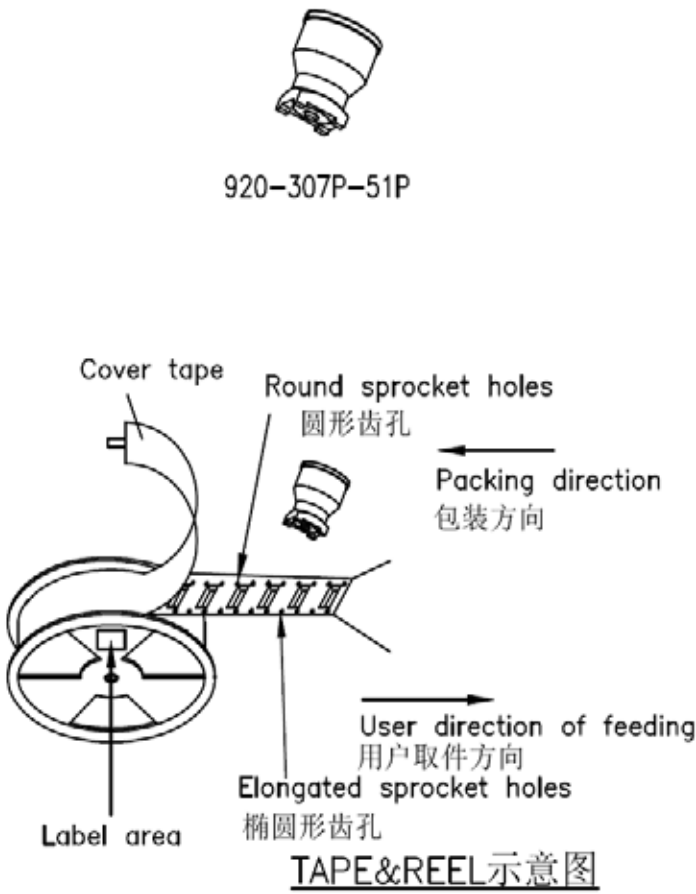
Amphenol RF
www.amphenolrf.com
DRAWING NO. 920-307P-51P
ITEM NO. 920-307P-51P
PART NO. 920-307P-51P

TAPE & REEL DETAILS

THIRD ANGLE PROJ.

REVISIONS

REV	DESCRIPTION	DATE	ECO	APPR
A	RELEASE TO MFG.	02-Jun-17	03881	RM



NOTES:

1. 10 sprocket holes pitch cumulative tolerance ± 0.20 mm.
2. Carrier camber not to exceed 1 mm in 250 mm.
3. A0 and B0 measured on a plane 0.3 mm above the bottom of the pocket.
4. K0 measured from a plane on the inside bottom of the pocket to the top surface of the carrier.
5. All dimensions meet EIA-481-D requirements.
6. Material of carrier tape: Black PS (RoHS Compliant)
7. Thickness: 0.50 ± 0.05 mm.
8. Packing length per 13" reel: 4.9 Meters.
9. Component loader per 13" reel: 200 pcs.

注:未注公差為 ± 0.10

NOTE: ALL TOLERANCES ARE: ± 0.10 , EXCEPT WHERE NOTED

ITEM	W	A ₀	B ₀	K ₀	S ₀	P	F	E	D ₀	D ₁	P ₀	P ₂	T
DIM	32.0 ± 0.30	8.22 ± 0.10	8.22 ± 0.10	13.4 ± 0.10	28.4 ± 0.10	20.0 ± 0.10	14.2 ± 0.10	1.75 ± 0.10	1.50 ± 0.10		4.00 ± 0.10	2.00 ± 0.10	0.50 ± 0.05

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN METRIC AND TOLERANCES ARE:
<0.5mm 0.5 - 6mm 6 - 30mm 30 - 120mm ANGLES
 ± 0.05 mm ± 0.1 mm ± 0.2 mm ± 0.3 mm $\pm 1^\circ$

NOTICE - These drawings, specifications, or other data (1) are, and remain the property of Amphenol corp. (2) must be returned upon request; and (3) are confidential and not to be disclosed to any person other than those to whom they are given by Amphenol Corp. the furnishing of these drawings, specifications, or other data by Amphenol Corp., or to any other person to anyone for any purpose is not to be regarded by implication or otherwise in any manner licensing, granting rights to permitting such holder or any other person to manufacture, use or sell any product, process or design, patented or otherwise, that may in any way be related to or disclosed by said drawings, specifications, or other data.

MATERIAL	
REFERENCE	920-297P-51P
EAR# 7348	
EXP# --	
CONFIGURATION LEVEL: In Work	
FINISH	

DRAWN	DATE
B.WYMAN	22-Jul-16
ENGINEER	DATE
B.WYMAN	22-Jul-16
APPROVED	DATE
S.HSIEH	02-Jun-17
CAD FILE	

TITLE
AFI STR PLUG
PCB SURFACE MOUNT
50 OHM
SCALE: 9.0:1.0
SHEET 3 OF 4
DWG SIZE B
REV A

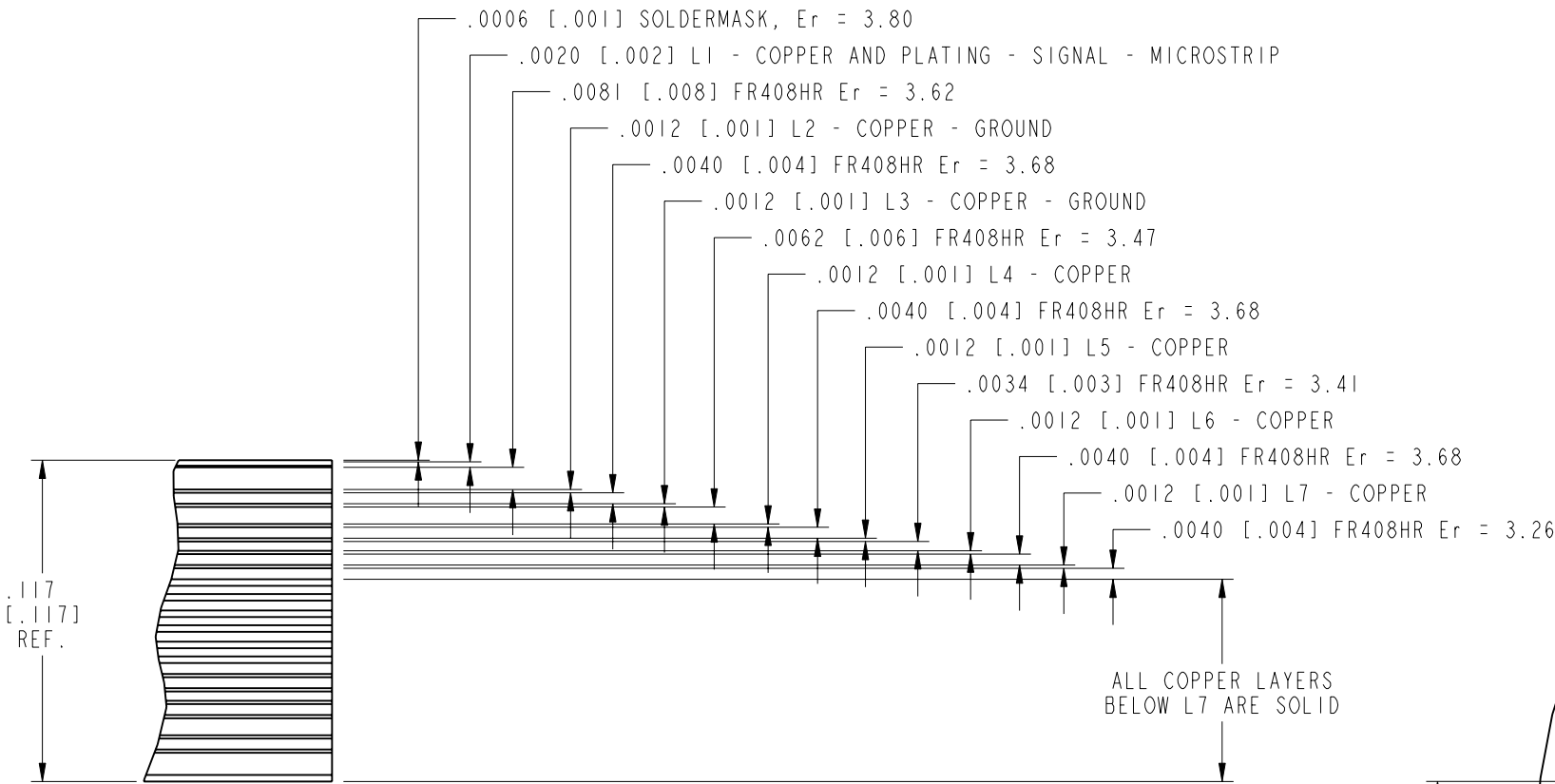
Amphenol RF
www.amphenolrf.com
DRAWING NO. 920-307P-51P
ITEM NO. 920-307P-51P
PART NO. 920-307P-51P

THIRD ANGLE PROJ.

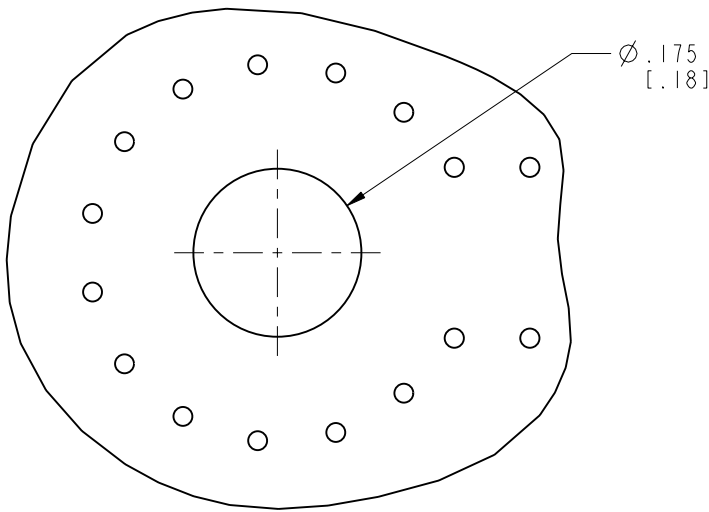
REVISIONS

REV	DESCRIPTION	DATE	ECO	APPR
A	RELEASE TO MFG.	02-Jun-17	03881	RM

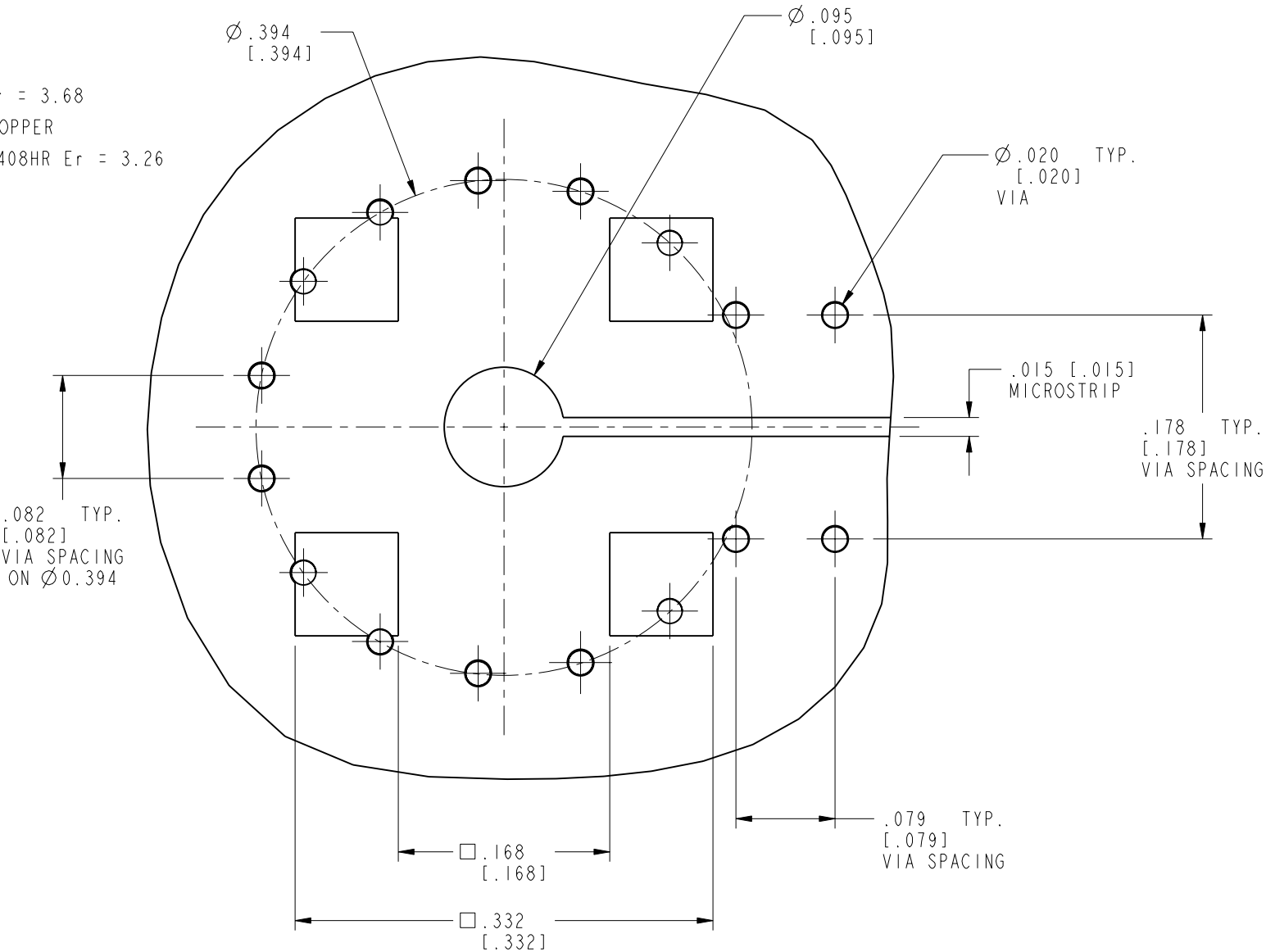
RECOMMENDED PCB LAUNCH



BOARD STACKUP DETAIL



GROUND LAYER DETAIL
L2 THROUGH L7



SIGNAL LAYER DETAIL
L1

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°

NOTICE - These drawings, specifications, or other data (1) are, and remain the property of Amphenol corp. (2) must be returned upon request; and (3) are confidential and not to be disclosed to any person other than those to whom they are given by Amphenol Corp. the furnishing of these drawings, specifications, or other data by Amphenol Corp., or to any other person to anyone for any purpose is not to be regarded by implication or otherwise in any manner licensing, granting rights to permitting such holder or any other person to manufacture, use or sell any product, process or design, patented or otherwise, that may in any way be related to or disclosed by said drawings, specifications, or other data.

MATERIAL	-
REFERENCE	920-297P-51P
EAR# 7348	
EXP# --	
CONFIGURATION LEVEL: In Work	
FINISH	

DRAWN	DATE
B.WYMAN	22-Jul-16
ENGINEER	DATE
B.WYMAN	22-Jul-16
APPROVED	DATE
S.HSIEH	02-Jun-17
CAD FILE	

TITLE	
AFI STR PLUG PCB SURFACE MOUNT 50 OHM	
SCALE: 9.0:1.0	SHEET 4 OF 4
DWG SIZE B	REV A

Amphenol RF	
www.amphenolrf.com	
DRAWING NO.	920-307P-51P
ITEM NO.	920-307P-51P
PART NO.	920-307P-51P