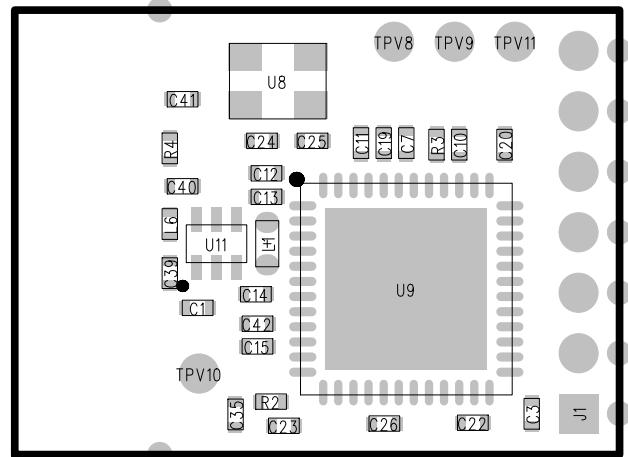
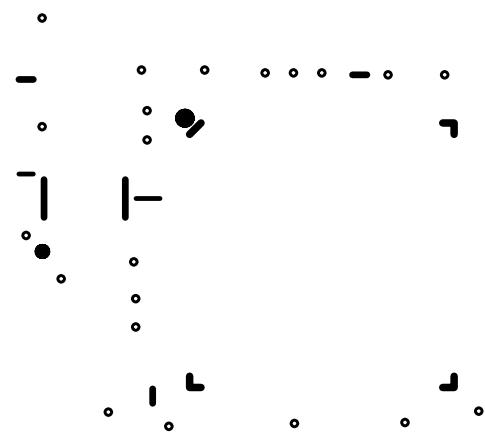


# PRIMARY ASSEMBLY

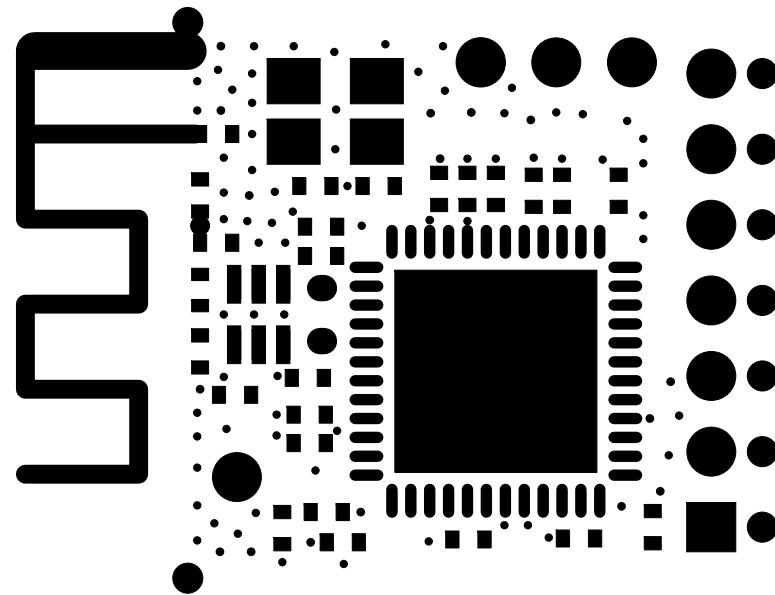
## PRIMARY SILKSCREEN

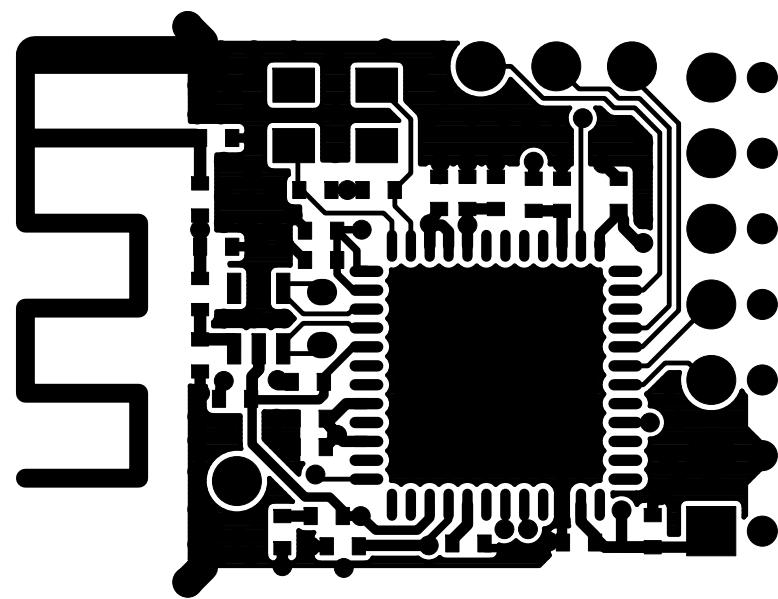


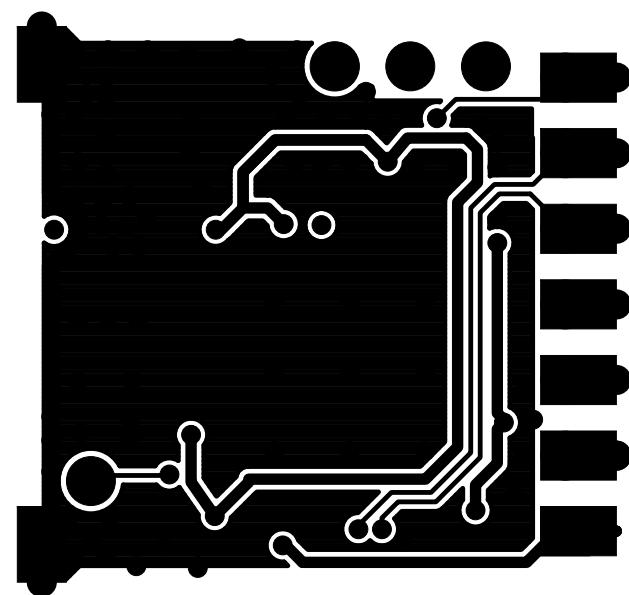
# PRIMARY SILKSCREEN



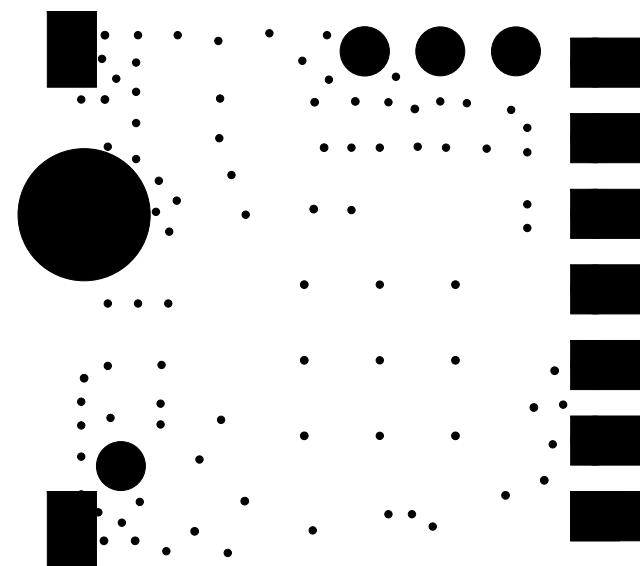
# PRIMARY SOLDER MASK





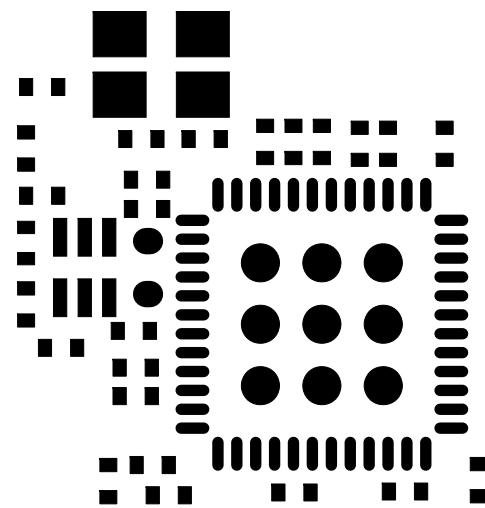


# SECONDARY SOLDER MASK

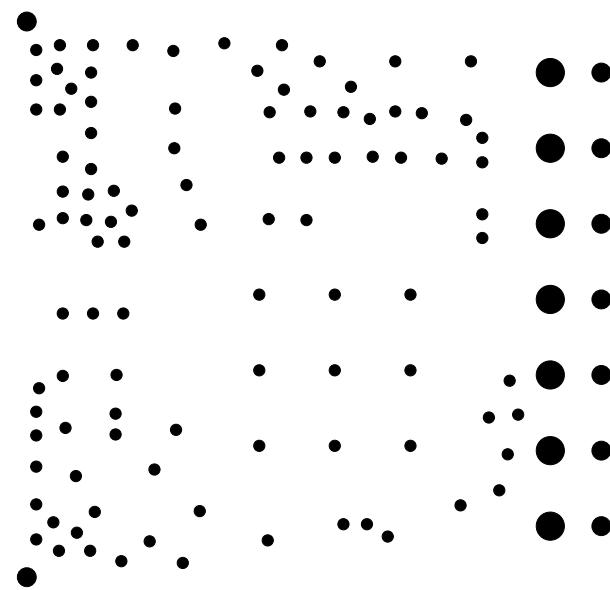


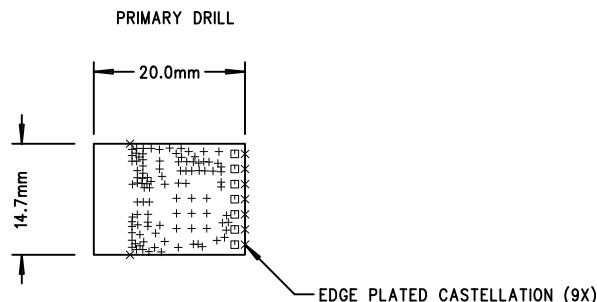


# PRIMARY SOLDER PASTE









NOTES : UNLESS OTHERWISE SPECIFIED

1. MANUFACTURE IN ACCORDANCE WITH IPC-6012, TYPE 3, CLASS 2.
2. END PRODUCT FEATURES SHALL NOT VARY MORE THAN 20% FROM ARTWORK ORIGINALS.
3. MATERIAL SHALL BE COPPER CLAD FR-4, NEMA GRADE PER IPC-4101/26, COLOR NATURAL.
4. COPPER WEIGHT SHALL BE 0.5 OZ./SQ. FT. BEFORE PLATING.
5. ALL PLATED THROUGH HOLES SHALL HAVE A MINIMUM OF 0.001" COPPER.
6. DRILL HOLE TOLERANCE AFTER PLATING SHALL BE  $\pm 0.003"$ .
7. MINIMUM ANNULAR RING SHALL BE 0.001".
8. MINIMUM ANNULAR RING AT EMERGENT CONDUCTORS SHALL BE 0.003".
9. FINAL PCB THICKNESS SHALL BE 0.031"  $\pm 10\%$ .
10. WARP/TWIST SHALL NOT EXCEED 1.0%
11. FINISH SHALL BE LPI, BLACK SMOBC, ENIG BOTH SIDES.
12. SILKSCREEN WITH NONCONDUCTIVE WHITE EPOXY INK.
13. REFERENCE ADDITIONAL FAB NOTES IN FILE README.TXT

LAYER STACKUP

PRIMARY SILKSCREEN
PRIMARY SOLDERMASK
PRIMARY SIDE
SECONDARY SIDE
SECONDARY SOLDERMASK
SECONDARY SILKSCREEN

FILE NAMES

A09\_PSS.PHO  
 A09\_PSM.PHO  
 A09\_PRI.PHO  
 A09\_SEC.PHO  
 A09\_SSM.PHO  
 A09\_SSS.PHO

SCALE: NONE

SIZE	QTY	SYM	PLT	TOOL	TOL
0.30	101	+	P	1	+0/-0.30
0.50	9	X	P	2	+/-0.075
0.75	7	□	P	3	+/-0.075

UNLESS OTHERWISE SPECIFIED		
DIMENSIONS ARE IN MILLIMETERS AND APPLY AFTER FINISH		
INTERPRET DRAWING PER MIL-D-1000		
TOLERANCES		
HOLE TOLERANCES PER 78027		
DECIMALS .XX +/- .XXX +/-	ANGLES +/-	SURFACES MICROINCHES
PART TO BE FREE OF BURRS		
BREAK EDGES MAX	BEND RADIUS MAX	BEND RELIEF MAX

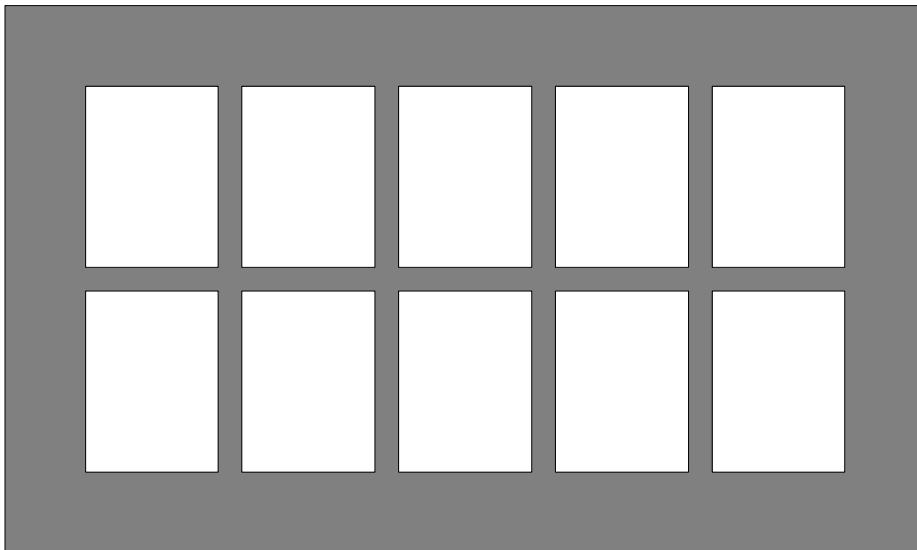
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 INFORMATION AND SHALL NOT BE DUPLICATED  
 OR USED FOR ANY PURPOSE OTHER THAN  
 THAT FOR WHICH PROVIDED OR DISCLOSED  
 IN WHOLE OR IN PART, WITHOUT THE WRITTEN  
 CONSENT OF SILICON LABORATORIES, INC..

DESIGN	CD	22APR2015
LAYOUT	CT	23APR2015

DO NOT SCALE DRAWING

COMPANY:   SILICON LABORATORIES	400 W Cesar Chavez AUSTIN, TX 78701 (512)416-8500 www.silabs.com
NAME:  IST-A09 OSRAM F ANTENNA	REV : 4.C
SIZE A	PART NUMBER: .

SCALE 1:1 FABRICATION DRAWING SHEET 1 OF 1

**IST-A09 REV 4c****Size:**

Array: 3.993701 x 2.374803  
Part: 0.57874 x 0.787402

**Parts On Array:**

10 Parts

**Matrix:**

5 x 2

**Spacing:**

0.1 x 0.1

**Array Borders:**

Left: 0.35 Right: 0.35  
Top: 0.35 Bottom: 0.35

**Notes:**

Please add 4, 0.125" NP tooling holes located 0.125" from tab corners and 3, 40/120 fiduials to each side of array located 0.25" from tooling holes.