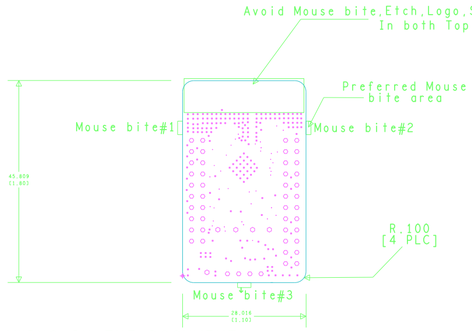
ART FILM - fab

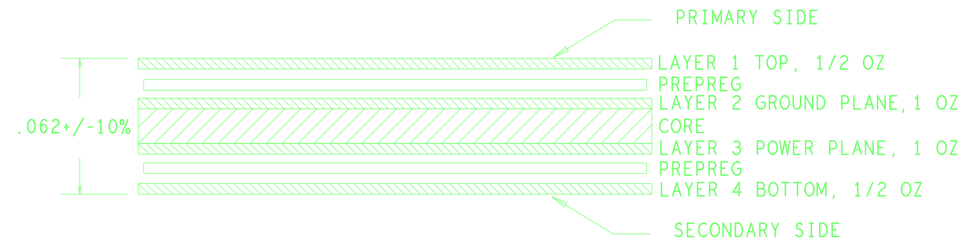
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
01	ALPHA RELEASE	08/10/16	AARA
02	BETA RELEASE	08/10/16	AARA
03	PRODUCTION RELEASE	08/10/16	AARA
04	CERTIFICATION DETAILS ADDED	07/26/16	RKPM



DRILL CHART: PSoC 4 BLE Module				
ALL UNITS ARE IN MILS				
FIGURE	SIZE	TOLERANCE	PLATED	QTY
·	8.0	+3.0/-3.0	PLATED	38
·	10.0	+3.0/-3.0	PLATED	193
○	40.0	+3.0/-3.0	PLATED	48
○	43.0	+3.0/-3.0	PLATED	5

NOTES:(UNLESS OTHERWISE SPECIFIED)

1. RoHS COMPLIANT CERTIFICATION OR MATERIAL DECLARATION REQUIRED.
2. MATERIAL:
   A. IS410 OR EQUIVALENT. MATERIAL MUST CONFORM TO UL94V-0.
   B. REFER TO AS MENTIONED IN CROSS SECTION AREA IN THIS DOCUMENT.
   C. OVERALL METAL TO METAL THICKNESS AS SPECIFIED IN THE CROSS SECTION DRAWING IN THE DOCUMENT.
   D. FABRICATOR TO ENSURE THAT THERE ARE NO CHANGES TO THE MATERIALS LIKE LAMINATE,PREPEG, SOLDERMASK INK AND LEGEND PRINITING FROM THE SAMPLE SUPPLIES TO SUBSEQUENT BULK SUPPLIES.
3. DRILLING:
   A. DIAMETERS IN DRILL TABLE ARE FINISHED HOLE SIZES +/-.003 tol. UNLESS OTHERWISE SPECIFIED IN DRILL TABLE.
   B. TEARDROP ALLOWED ON ENTRY OF VIA ON EVERY TRACE LAYER.
4. PLATING:
   COPPER PLATING IN THRU-HOLES .001 min.
5. ETCHING:
   A. COPPER THICKNESS >1oz,CARE MUST BE TAKEN TO AVOID OVER ETCHING ON PADS
6. MARKING:
   A. SILKSCREEN IN WHITE NON-CONDUCTIVE EPOXY INK ON PRIMARY SIDE OF THE BOARD OR BOTH SIDES IF APPLICABLE.
   B. FABRICATOR TO ENSURE THE CLARITY OF LEGEND AS THIS IS A IMPORTANT FACTOR FOR CYPRESS KITS HENCE CARE HAS TO BE TAKEN TO ENSURE THERE ARE NO BROKEN CHARACTERS IN SILK SCREEN APPLY SOLDERMASK APPROPRIATLY TO COVER THE VIA'S
   C. FABRICATOR TO PLACE DATE CODE, LOGO AND RoHS COMPILANT SYMBOL IN SILKSCREEN ON SECONDARY SIDE.
7. FINAL FABRICATION:
   A. SOLDRMASK PRIMARY AND SECONDARY SIDE OF BOARD USING LIQUID PHOTOIMAGABLE MASK MATERIAL OVER BARE COPPER. PER IPC-SM-840. MASK ARTWORKS PROVIDED ARE 1:1. SOLDERMASK COLOR **RED**
   B. SOLDRMASK THICKNESS TO BE MAINTAINED UNIFORMLY AS PER IPC-SM-840.THE VARIATION IN THE SOLDER THICKNESS SHALL BE AT THE MINIMUM FROM PANEL TO PANEL AND PANEL AND LOT TO LOT TO ENSURE UNIFORMITY IN COLOUR AND COVERAGE.
8. FINISH:
   A. SHALL BE IMMERSION GOLD(ENIG).
   B. NICKEL THICKNESS: 0.00010-0.00020in.
   C. GOLD THICKNESS: 0.0000030-0.000010in
9. BOARDS SHALL BE PURCHASED FROM UL RECOGNIZED VENDORS ONLY. FLAMABILITY RATING (94-V0).
10. MANUFACTURE BOARD TO BE IN ACCORDANCE WITH PERFORMANCE STANDARD IPC-6011/6012 CLASS 2 BOARD TO BE INSPECTED PER IPC-600-A CLASS 2.
11. MAXIMUM WRAP OR TWIST SHALL NOT EXCEED .007 in/in.
12. TESTING:
   A. FABRICATOR TO ADD TEST STRUCTURES OR CUPONS AS NEEDED.
   B. T-LINE IMPEDENCE TO BE TESTED OR GUARANTEE WITHIN 10% IF SPECIFIED IN THE CROSS SECTION. TOLERANCE TO BE +/-10% UNLESS OTHERWISE SPECIFIED.



UNLESS OTHERWISE SPECIFIED

DIMENSIONS ARE IN INCHES
TOLERANCES ON; ANGLES +/- 2°
2 PL DECIMALS +/- .010
3 PL DECIMALS +/- .005
THIRD ANGLE PROJECTIONS

CYPRESS PROPRIETARY
THIS DOCUMENT CONTAINS CONFIDENTAL, PROPRIETARY INFORMATION THAT IS CYPRESS SEMICONDUCTOR PROPERTY. DO NOT DISCLOSE TO OR DUPLICATE FOR OTHERS EXCEPT AS AUTHORIZED BY CYPRESS.

SIGNATURES		DATE
DRAWN	PLTO	08/10/16
CHECKED	PLTO	08/10/16
ENGRG	PLTO	08/10/16
ISSUED		

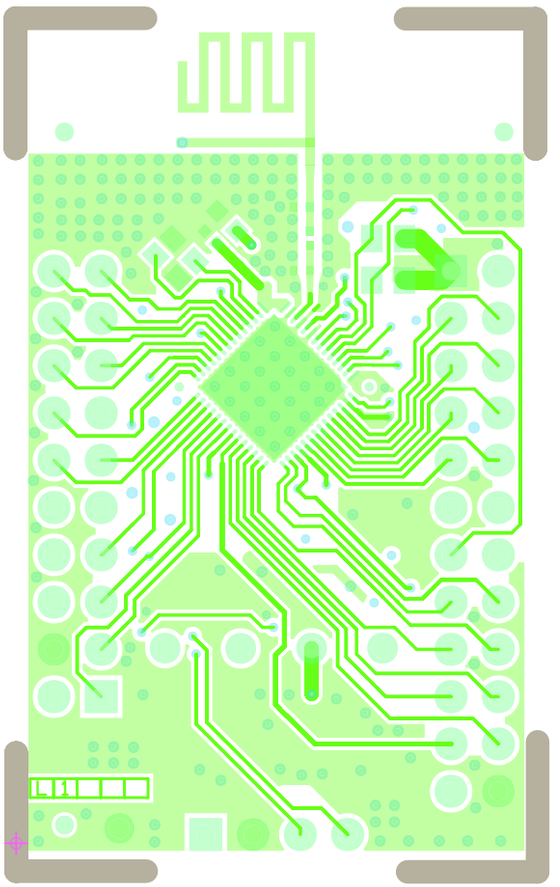
CYPRESS SEMICONDUCTOR
198 CHAMPION COURT
SAN JOSE, CA 95134
(408) 943-2600

FABRICATION DRAWING
CY8CKIT-143A
PSoC 4 BLE 256KB Module

SIZE	FSCM NO	DWG NO	REV
C		610-60240-0104	

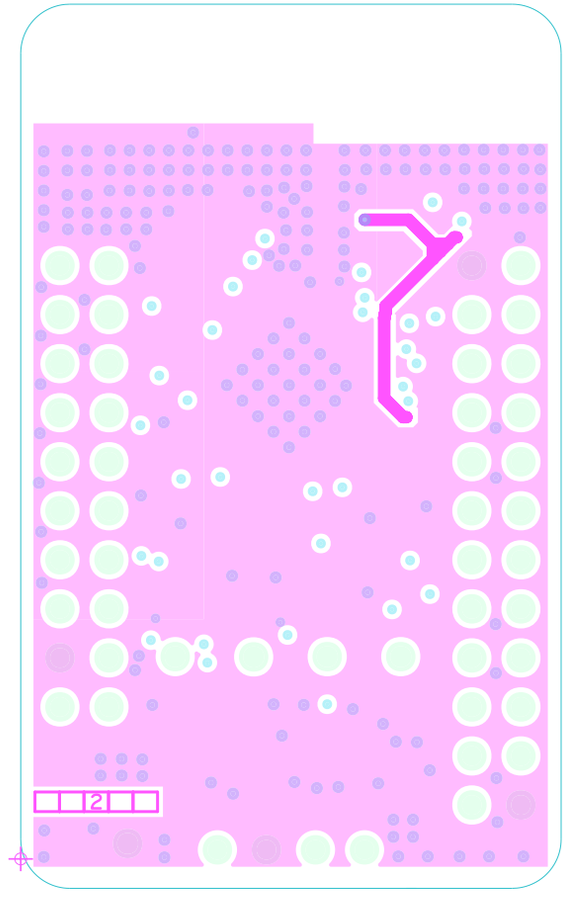
SCALE: 1/1 SHEET: 1 OF 1

ART FILM - fab



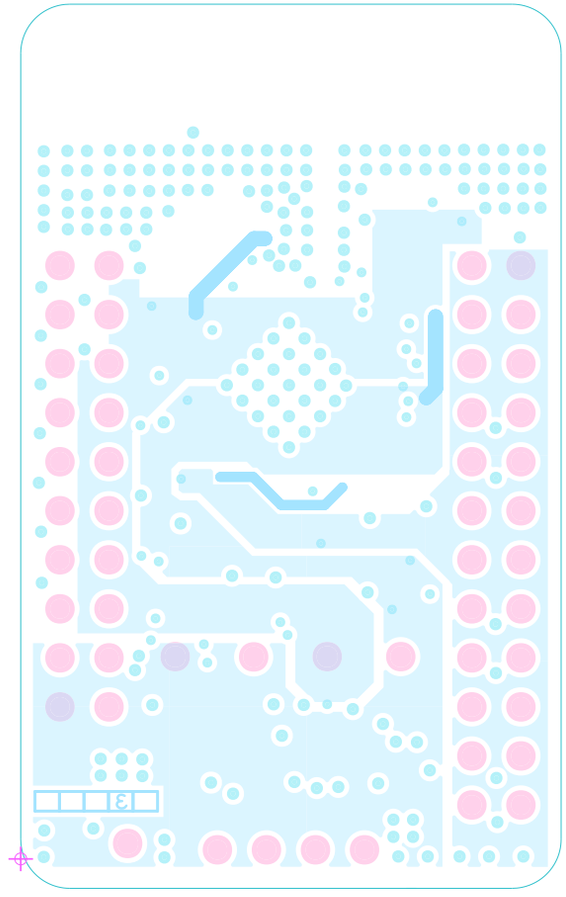
600-60248-01 REV04 PRIMARY SIDE

ART FILM - GND

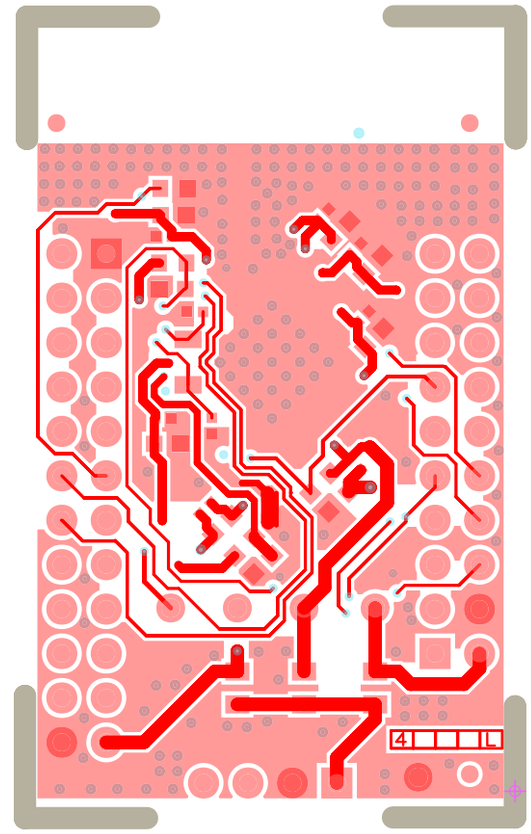


600-60248-01 REV04 GND LAYER

ART FILM - GND



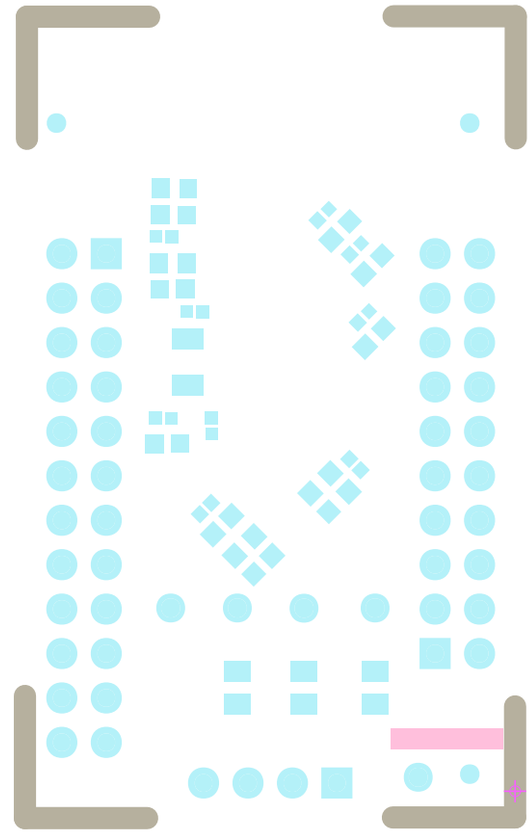
600-60248-01 REV04 VCC LAYER



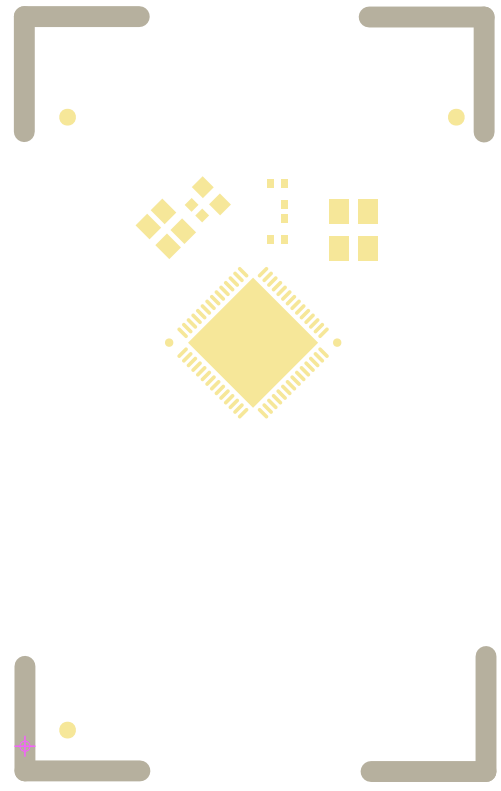
600-60248-01 REV04 SECONDARY SIDE



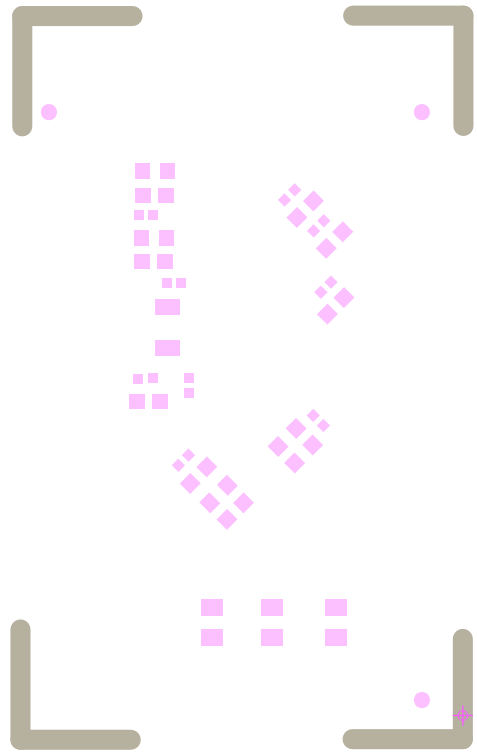
600-60248-01 REV04 PRIMARY SOLDERMASK



600-60248-01 REV04 SECONDARY SIDE

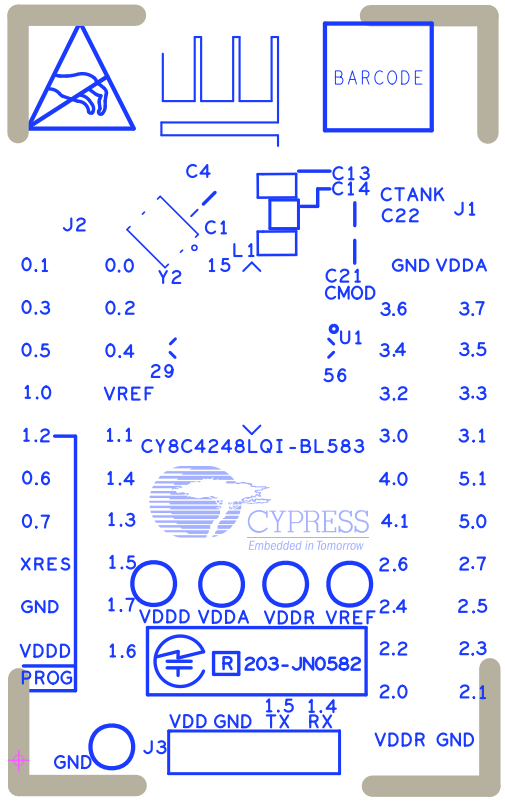


600-60248-01 REV04 PRIMARY SOLDERPASTE



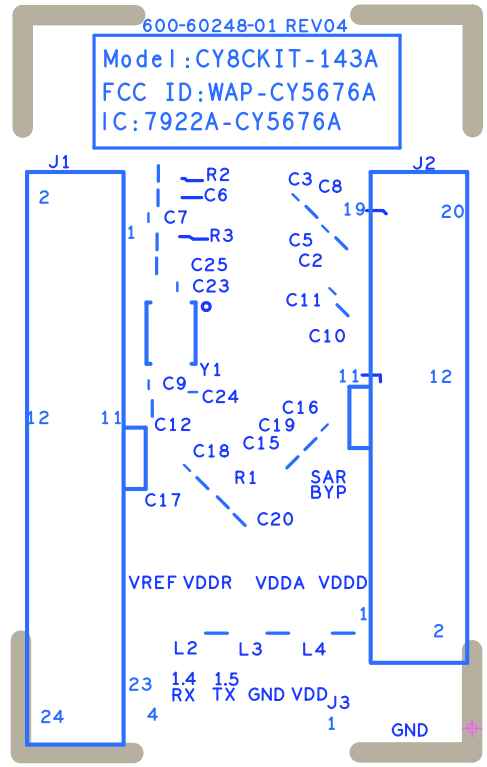
600-60248-01 REV04 SECONDARY SOLDERPASTE

ART FILM - pss



600-60248-01 REV04 PRIMARY SILKSCREEN

ART FILM - pss



600-60248-01 REV04 SECONDARY SILKSCREEN