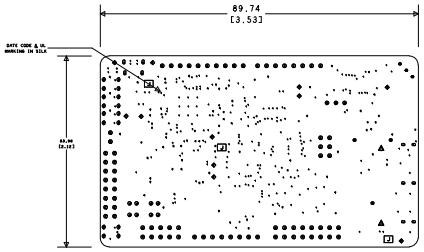
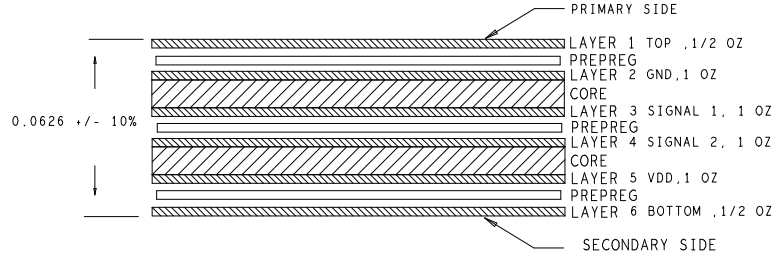
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
01	ALPHA RELEASE	11/25/15	AKAP
02	BETA RELEASE	12/15/15	AKAP
03	ES10 RELEASE	12/24/15	AKAP
04	ES10 RELEASE	12/28/15	AKAP
05	PRODUCTION RELEASE	01/07/16	AKAP
06	PRODUCTION RELEASE	01/14/16	AKAP
06.1	PRODUCTION RELEASE	01/27/16	AKAP
06.2	PRODUCTION RELEASE	02/02/16	AKAP
07	PRODUCTION RELEASE	02/25/16	AKAP



DRILL CHART: PSoC Pioneer kit				
ALL UNITS ARE IN MILS				
FIGURE	SIZE	TOLERANCE	PLATED	QTY
·	8.0	+3.0/-3.0	PLATED	262
·	10.0	+3.0/-3.0	PLATED	86
•	29.9	+3.0/-3.0	PLATED	3
•	31.5	+3.0/-3.0	PLATED	8
•	40.0	+3.0/-3.0	PLATED	76
•	42.9	+3.0/-3.0	PLATED	3
•	43.0	+3.0/-3.0	PLATED	11
•	53.0	+3.0/-3.0	PLATED	3
△	72.8	+3.0/-3.0	PLATED	2
▫	35.4	+2.0/-2.0	NON-PLATED	6
•	46.0	+2.0/-2.0	NON-PLATED	16
⊡	98.0	+2.0/-2.0	NON-PLATED	3
•	41.3x25.6	+3.0/-3.0	PLATED	2
•	47.2x27.6	+3.0/-3.0	PLATED	2

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.
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. MARKING:
   A. SILKSCREEN IN WHITE NON-CONDUCTIVE EPOXY INK ON PRIMARY SIDE OF THE
      BOARD OR BOTH SIDES IF APPLICABLE.
   B. FABRICATOR TO PLACE DATE CODE, LOGO AND RoHS COMPILANT SYMBOL IN SILKSCREEN ON SECONDARY SIDE.
6. 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**
7. FINISH:
   A. SHALL BE IMMERSION GOLD(ENIG).
   B. NICKEL THICKNESS: 0.00010-0.00020in
   C. GOLD THICKNESS: 0.0000030-0.000010in
8. BOARDS SHALL BE PURCHASED FROM UL RECOGNIZED VENDORS ONLY.
   FLAMABILITY RATING (94-V0).
9. MANUFACTURE BOARD TO BE IN ACCORDANCE WITH PERFORMANCE STANDARD
   IPC-6011/6012 CLASS 2 BOARD TO BE INSPECTED PER IPC-600-A CLASS 2.
10. MAXIMUM WRAP OR TWIST SHALL NOT EXCEED .007 in/in.
11. 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.



90E IMPEDANCE CONTROL ON 9MIL AND 16MIL SPACING USB CONNECTOR(REFDES J6)

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

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

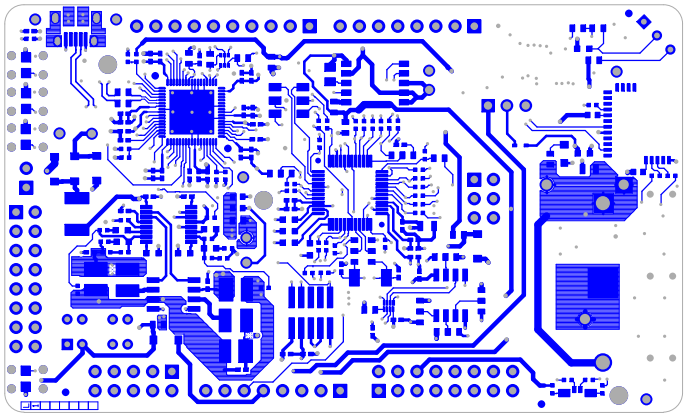
SIGNATURES		DATE
DRAWN	PRAO	02/25/16
CHECKED	AKAP	02/25/16
ENGRG	AKAP	02/25/16
ISSUED		

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

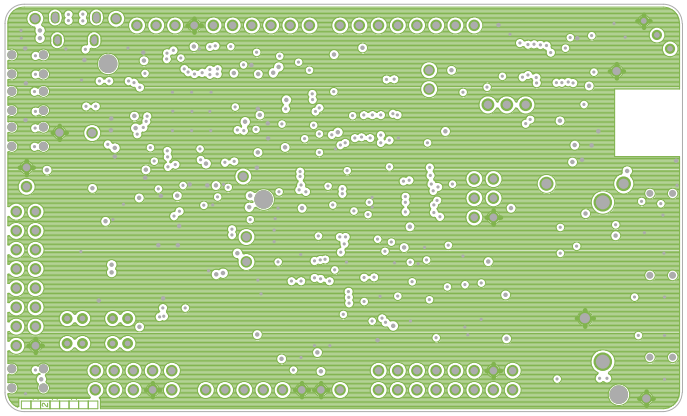
FABRICATION DRAWING
CY8CKIT-041-XX-PSoC 4S Series Pioneer kit

SIZE	FSCM NO	DWG NO	REV
C		610-60265-01	07

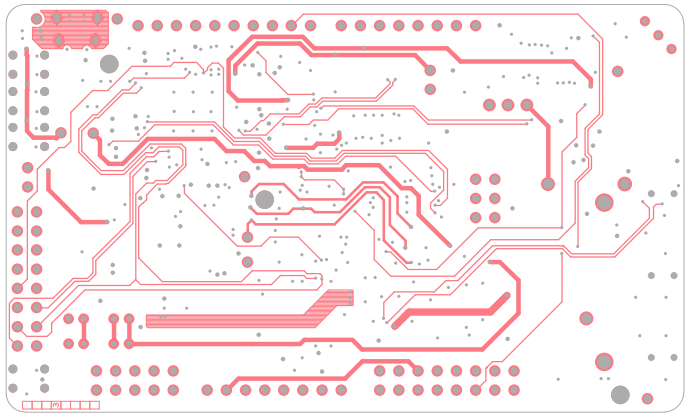
SCALE: NTS
SHEET: 1 OF 1



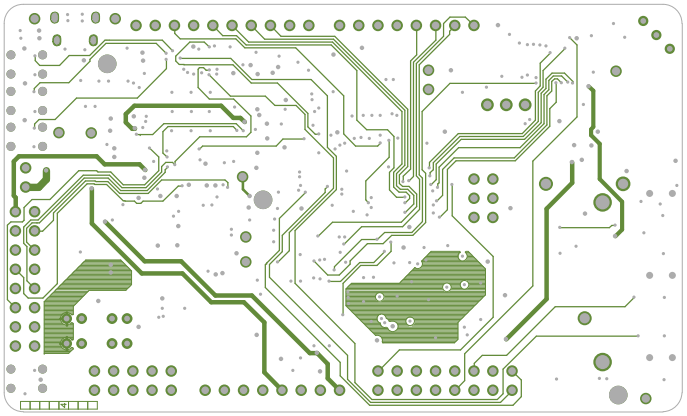
600-60321-01 REV07 PRIMARY SIDE



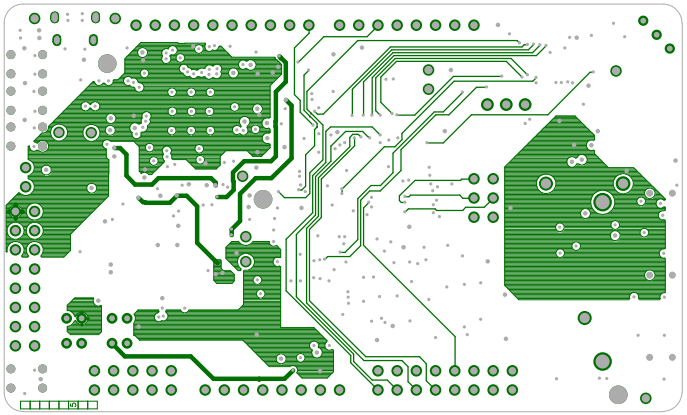
600-60321-01 REV07 GND LAYER



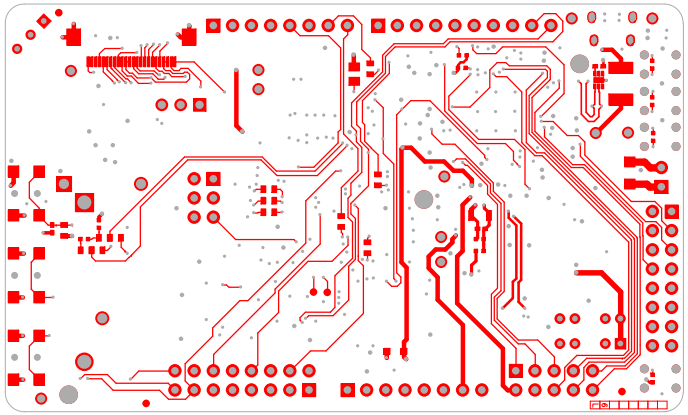
600-60321-01 REV07 SIGNAL1 LAYER



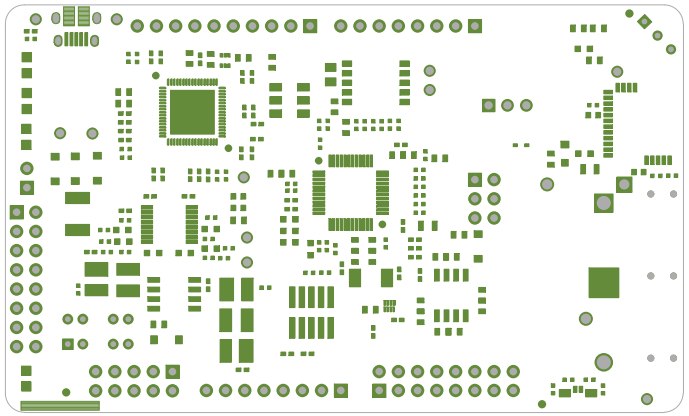
600-60321-01 REV07 SIGNAL2 LAYER



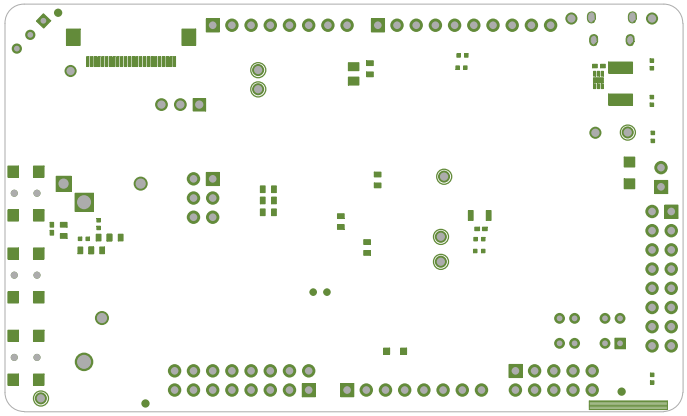
600-60321-01 REV07 PWR LAYER



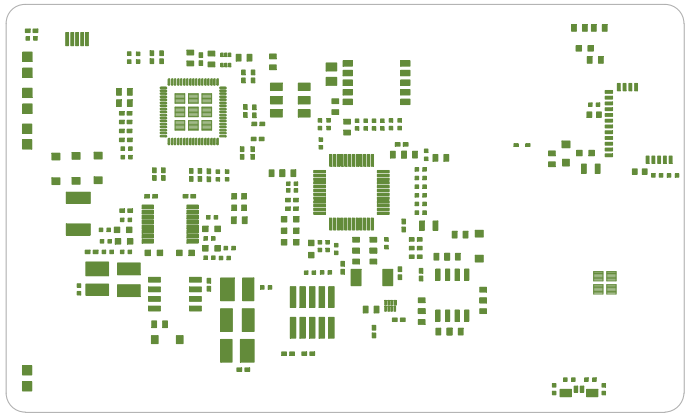
600-60321-01 REV07 SECONDARY SIDE



600-60321-01 REV07 PRIMARY SOLDERMASK



600-60321-01 REV07 SECONDARY SODERMASKE



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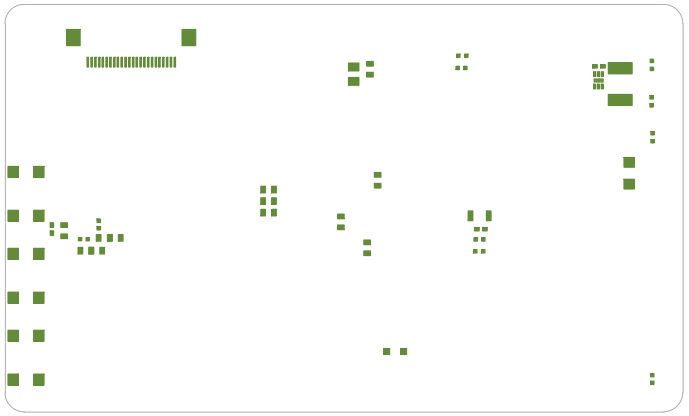

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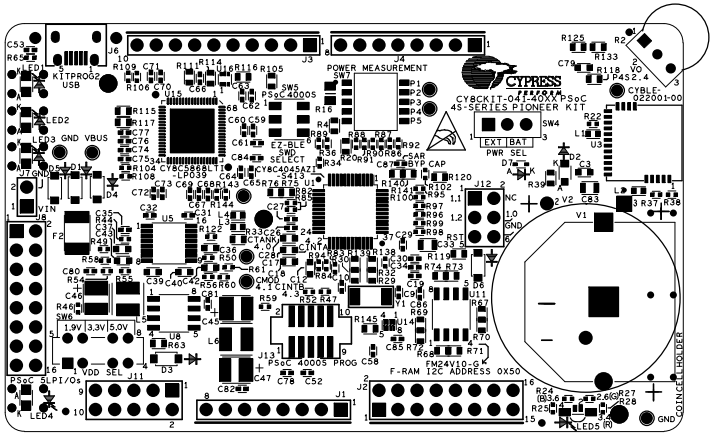
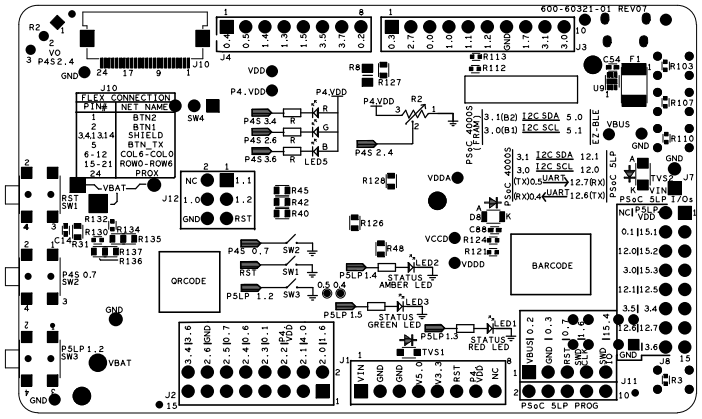


600-60321-01 REV07 PRIMARY SILKSCREEN



600-60321-01 REV07 SECONDARY SILKSCREEN