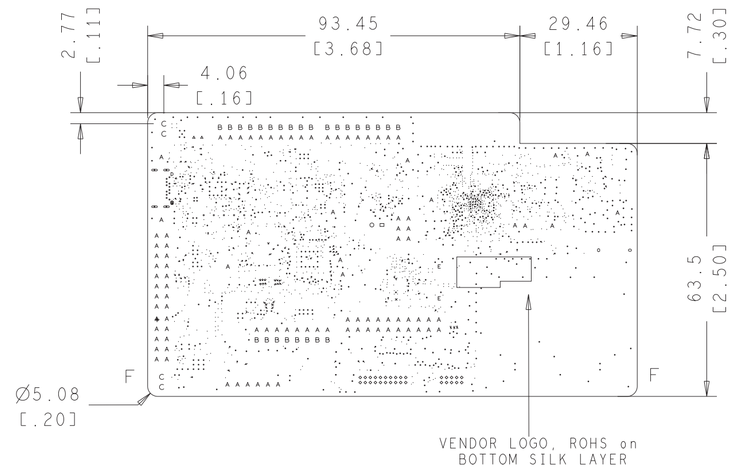
ART FILM - fab

IMPEDANCE NOTE

1] Track width with 4.6/7.4 mil for top and Bottom is 90 Ohms Diffpair

2] Track width with 12.1/6.95 Mils [width/ Spacing] is 50 Ohms CPW on TOP



DRILL CHART: TOP to GND1				
ALL UNITS ARE IN MILS				
FIGURE	SIZE	TOLERANCE	PLATED	QTY
·	4.0	+1.969/-1.969	PLATED	839

DRILL CHART: GND1 to GND2				
ALL UNITS ARE IN MILS				
FIGURE	SIZE	TOLERANCE	PLATED	QTY
·	7.874	+1.969/-1.969	PLATED	358

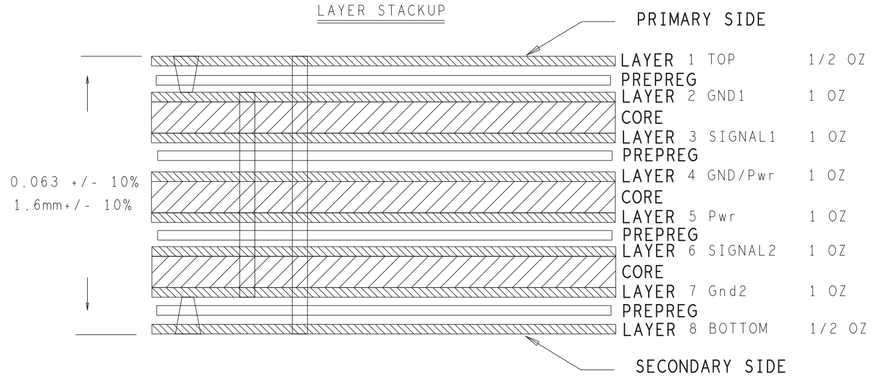
DRILL CHART: GND2 to BOTTOM				
ALL UNITS ARE IN MILS				
FIGURE	SIZE	TOLERANCE	PLATED	QTY
·	4.0	+1.969/-1.969	PLATED	755

DRILL CHART: TOP to BOTTOM				
ALL UNITS ARE IN MILS				
FIGURE	SIZE	TOLERANCE	PLATED	QTY
·	9.843	+1.969/-1.969	PLATED	639
·	12.0	+2.992/-2.992	PLATED	12
·	13.0	+2.992/-2.992	PLATED	5
◇	27.559	+2.988/-2.988	PLATED	30
△	28.0	+2.998/-2.998	PLATED	2
○	29.528	+2.99/-2.99	PLATED	1
○	29.53	+2.99/-2.99	PLATED	1
□	39.0	+3.0/-3.0	PLATED	1
○	39.37	+3.0/-3.0	PLATED	1
A	40.157	+3.0/-3.0	PLATED	99
B	45.276	+2.992/-2.992	PLATED	26
C	51.181	+2.992/-2.992	PLATED	4
D	29.528	+1.969/-1.969	NON-PLATED	1
E	35.4	+2.0/-2.0	NON-PLATED	2
F	125.984	+1.97/-1.97	NON-PLATED	4
▭	56.0x16.0	+3.0/-3.0	PLATED	4
●	37.402x29.528	+1.969/-1.969	NON-PLATED	1

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.
   C. FILL ALL MICROVIAS WITH COPPER PLATING OR NON-CONDUCTIVE EPOXY WITH COPPER OVERPLATING.
   D. FILL ALL BURIED VIAS USING NON-CONDUCTIVE EPOXY AND OVERPLATE WITH COPPER,
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. SOLDERMASK 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 **BLUE*
7. FINISH:
   A. SHALL BE IMMERSION GOLD(ENIG).
   B. NICKEL THICKNESS: 100-200 MICROINCHES.
   C. GOLD THICKNESS: 3-10 MICROINCHES.
8. BOARDS SHALL BE PURCHASED FROM UL RECOGNIZED VENDORS ONLY.
   FLAMMABILITY 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 IMPEDANCE TO BE TESTED OR GUARANTEE WITHIN 10% IF SPECIFIED IN
      THE CROSS SECTION. TOLERANCE TO BE +/-10% UNLESS OTHERWISE SPECIFIED.
12. IF PANEL SPECIFICATIONS ARE PROVIDED, THE PCBS SHALL BE DELIVERED IN
    PANEL FORM. HOWEVER, THESE SPECIFICATIONS MAY BE CHANGED AS REQUIRED BY THE
    CONTRACT MANUFACTURER TO SUPPORT VOLUME ASSEMBLY REQUIREMENTS.

LAYER STACKUP



UNLESS OTHERWISE SPECIFIED	SIGNATURES		DATE
DIMENSIONS ARE IN INCHES	DRAWN	PLTO	06/21/17
TOLERANCES ON; ANGLES +/- 2°	CHECKED	RKPM	06/21/17
2 PL DECIMALS +/- .010	ENGRG	RKPM	06/21/17
3 PL DECIMALS +/- .005	ISSUED		
THIRD ANGLE PROJECTIONS			

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

CYPRESS EMBEDDED IN TOMORROW
198 CHAMPION COURT
SAN JOSE, CA 95134
(408) 943-2600

FABRICATION DRAWING
CY8CKIT-062-BLE
PSoC 6 BLE PIONEER BOARD

SIZE	FSCM NO	DWG NO	REV NO
C		610-60337-01	08

SCALE: 1/1 SHEET: 1

ART FILM - fab