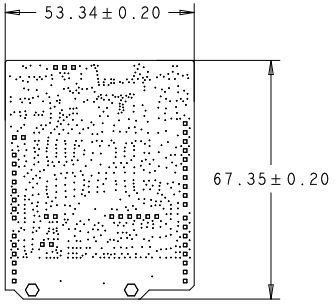
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
1.0	INITIAL RELEASE	WW1803	
1.1	CHANGE KEEP-OUT AREA	WW1810	



DRILL CHART: TOP to BOTTOM				
ALL UNITS ARE IN MILS				
FIGURE	SIZE	TOLERANCE	PLATED	QTY
·	10.0	+3.0/-3.0	PLATED	720
▫	39.37	+3.0/-3.0	PLATED	47
⬡	150.0	+4.0/-4.0	NON-PLATED	2

STACKUP

1OZ COPPER PLATING — LAYER 1 - TOP

PREPREG

1OZ COPPER PLATING — LAYER 2 - BOTTOM

TOTAL: 1.6MM+/-10%

NOTES (UNLESS OTHERWISE SPECIFIED):

1. GENERAL
   - 1.0 PCB MUST BE ROHS COMPLIANT. ~~HF COMPLIANT~~.
   - 1.1 STANDARDS-ALL RAW CARDS MUST CONFORM TO IPC6011/IPC-6012 CLASS 2 USING THE MOST CURRENT REVISION LEVEL.
   - 1.2 FOR INSPECTION, BOARDS MUST MEET THE REQUIREMENTS OF THE LEVEL OF IPC-600 USING THE MOST CURRENT REVISION LEVEL.
2. MATERIAL
   - 2.0 NEMA GRADE FR-4 140 MIN.
   - 2.1 SEE LAYER STACKUP DETAIL FOR FINISHED COPPER LAYERS AND PCB THICKNESS. FLAMMABILITY RATING 94V-0.

   ETCH TOLERANCE ON ALL FOIL FEATURES INCLUDING FINISHED TRACE WIDTH AND SPACING TOLERANCE IS +/-15% OF THE ORIGINAL ARTWORK/GERBER DESIGN. THE ARTWORK/GERBER DESIGN MINIMUM TRACE WIDTH IS 0.004 INCH AND THE MINIMUM COPPER TO COPPER SPACING IS 0.004 INCH.
4. LAYER STRUCTURE

   REFER TO DETAIL STACKUP FIGURE FOR LAYER STRUCTURE AND ASSOCIATED ARTWORK.
5. FINISH

   PLATE THRU WITH COPPER.
   FINISH SURFACE: ENIG
   COPPER PLATING IN THRU-HOLES:0.001 INCH MIN.
6. SOLDERMASK

   SOLDERMASK TO BE GREEN.
   SOLDERMASK TO BE IN ACCORDANCE WITH IPC-SM-840C CLASS T.
7. DRILLING

   DIAMETERS IN DRILL TABLE ARE FINISHED HOLE SIZES +/-0.003 INCH TOL.
   UNLESS OTHERWISE SPECIFIED IN DRILL TABLE.
   TEARDROP ALLOWED ON ENTRY OF VIA ON EVERY TRACE LAYER.
8. MARKING

   MARKING TO BE WHITE.
   MARKING NOT TO ENCROACH ON SURFACE MOUNT LANDS.
   FABRICATOR SHOULD ADD DATE CODE AND LOGO ON WHERE CYPRESS INDICATES.
9. VENDOR OPTIONS/REQUIREMENTS

   VENDORS MAY MAKE THE FOLLOWING CHANGES WITHOUT CYPRESS APPROVAL:
   - ADD TEARDROPS

   ANY OTHER CHANGES NEED WRITTEN APPROVAL FROM CYPRESS.
10. WARP/TWIST

    MAXIMUM WARP OR TWIST SHALL NOT EXCEED 0.5%.

UNLESS OTHERWISE SPECIFIED	SIGNATURES	DATE
DIMENSIONS ARE IN METRIC	DRAWN	WW1810
TOLERANCES ON: ANGLES +/- 2°	CHECKED	
2 PL DECIMALS +/- .010	ENGRG	
3 PL DECIMALS +/- .005	ISSUED	
THIRD ANGLE PROJECTIONS		

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

SIZE	FSCM NO	DWG NO	REV
C		610-20113-01	1.1

SCALE: 1/1 SHEET: