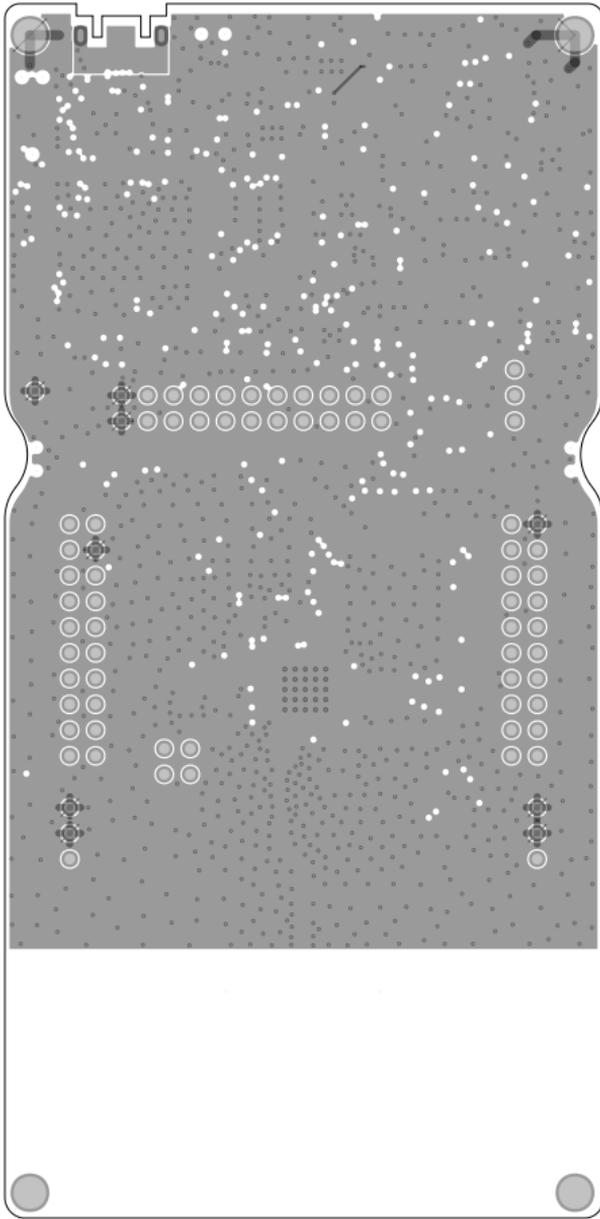
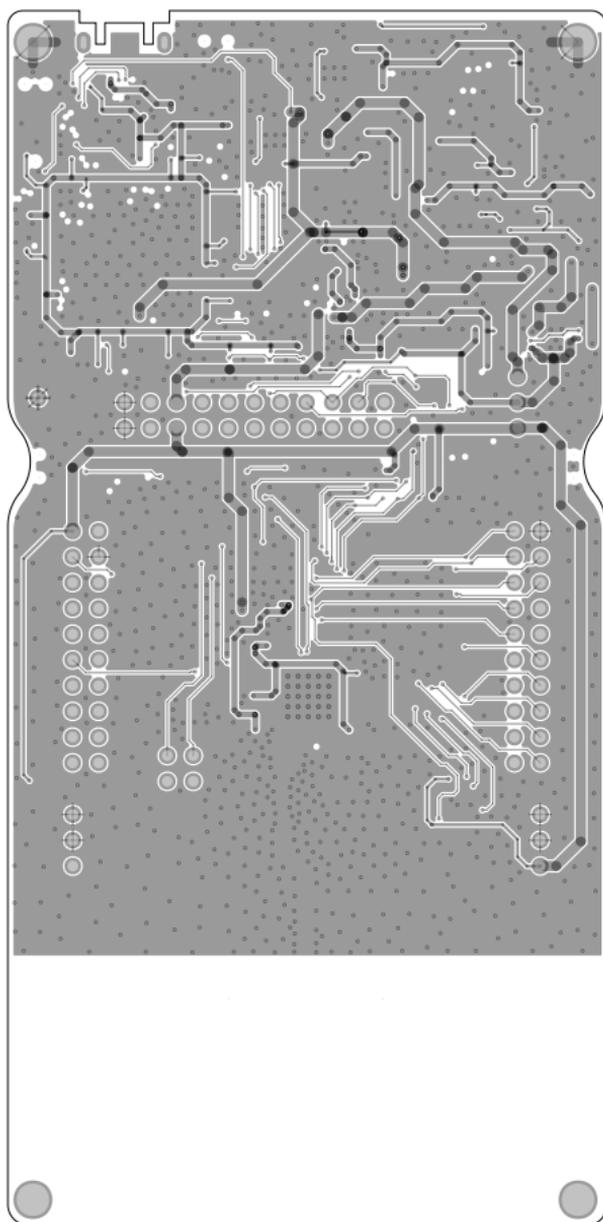


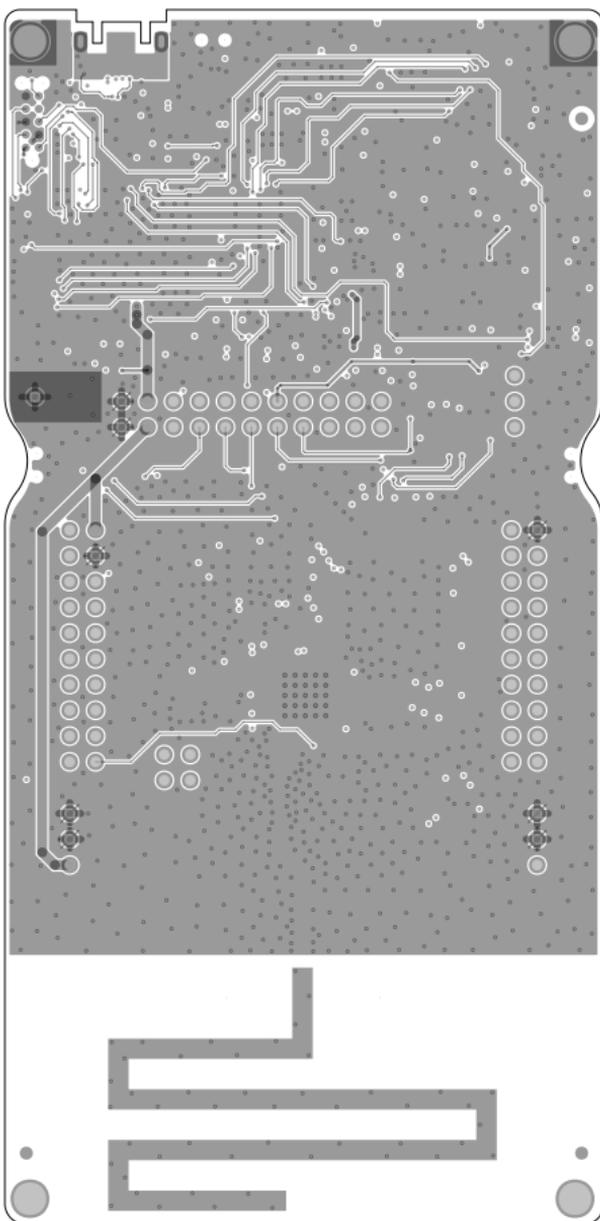
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	DATE: 2018-10-10	



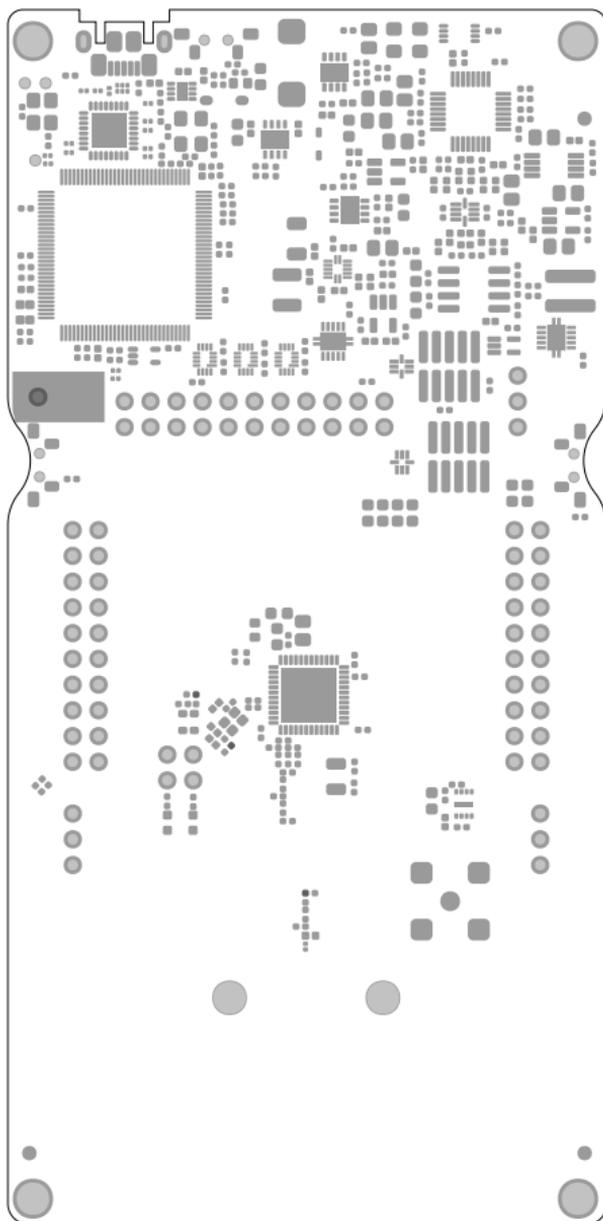
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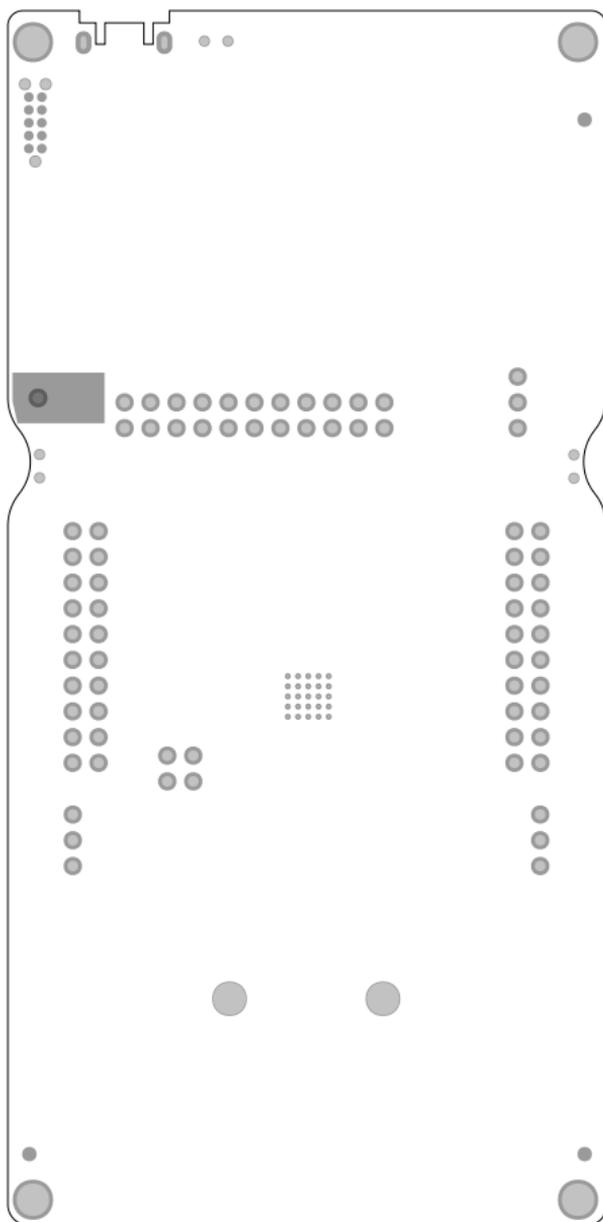
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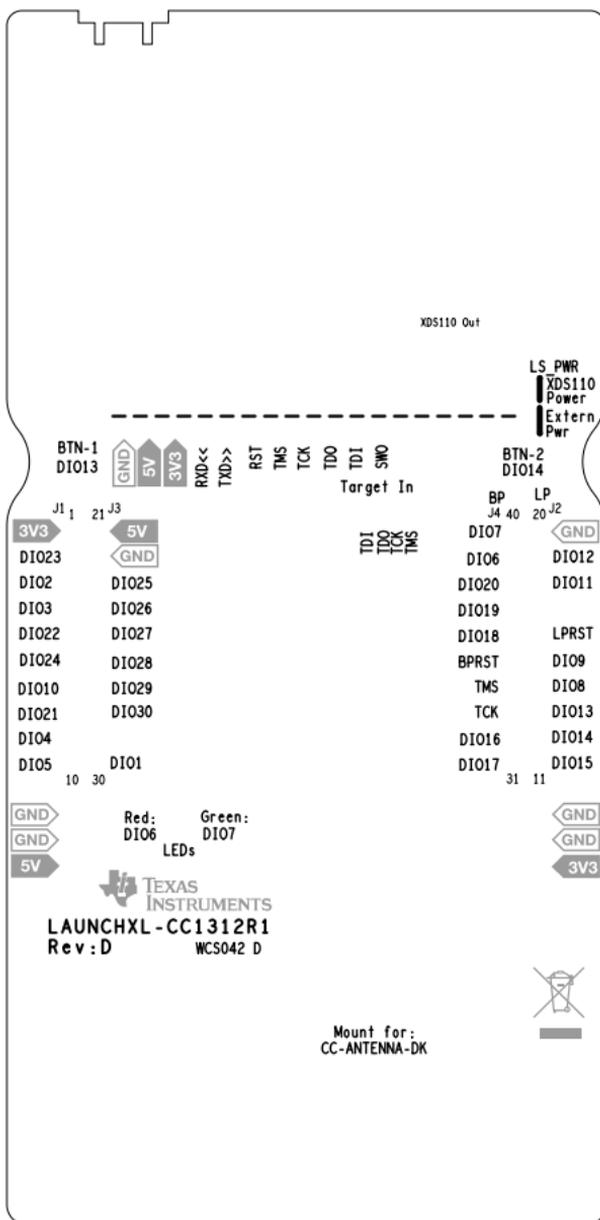
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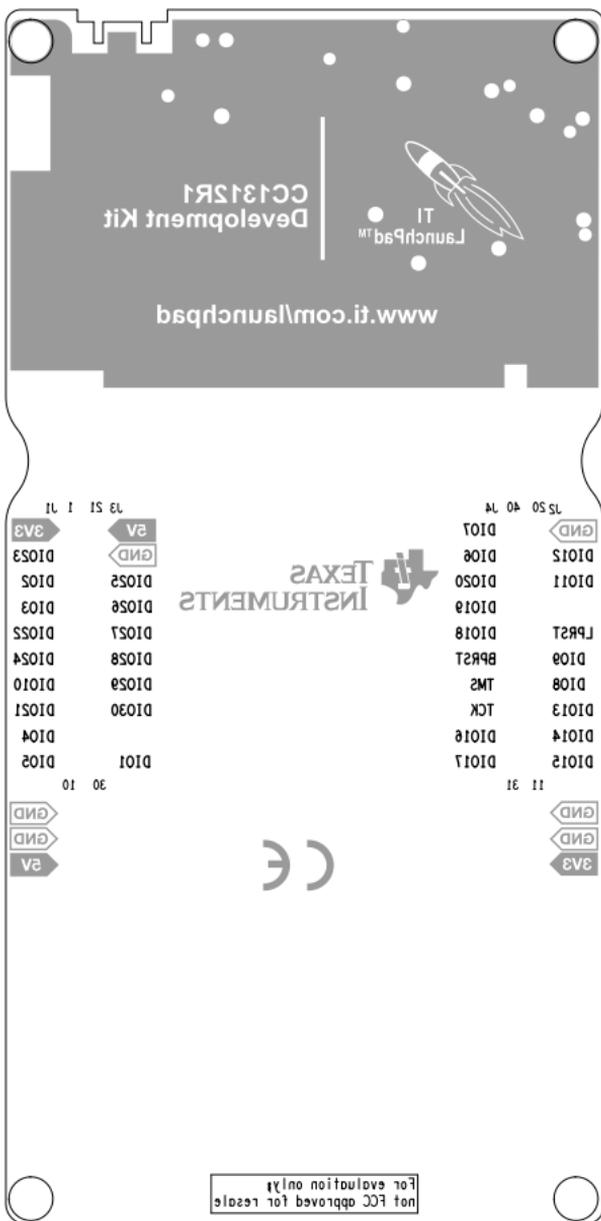
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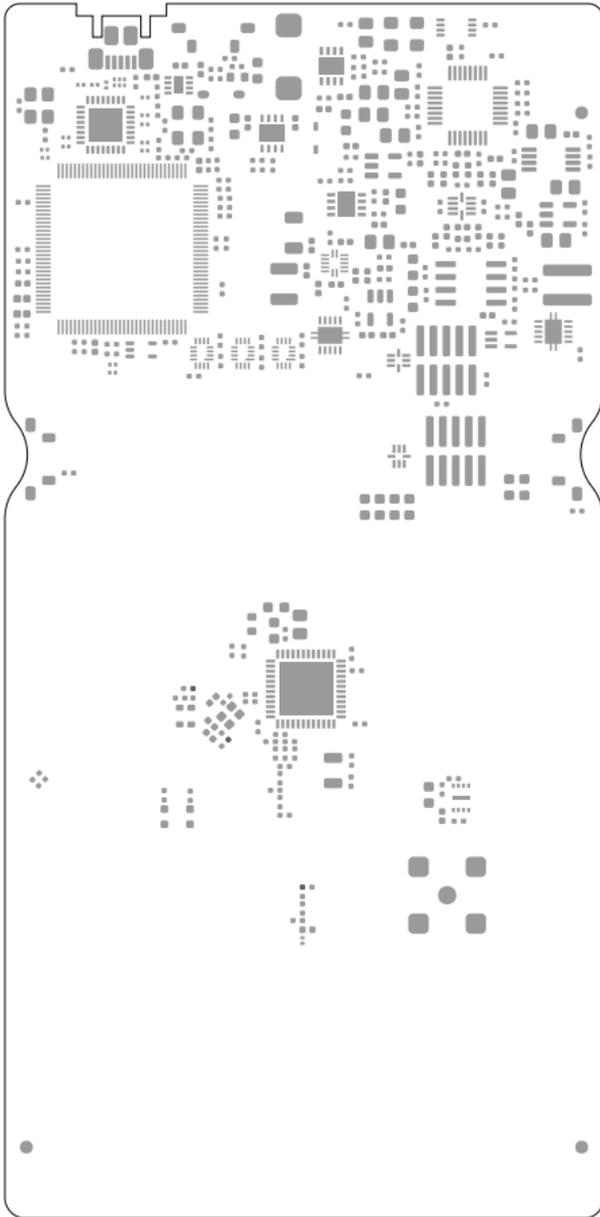
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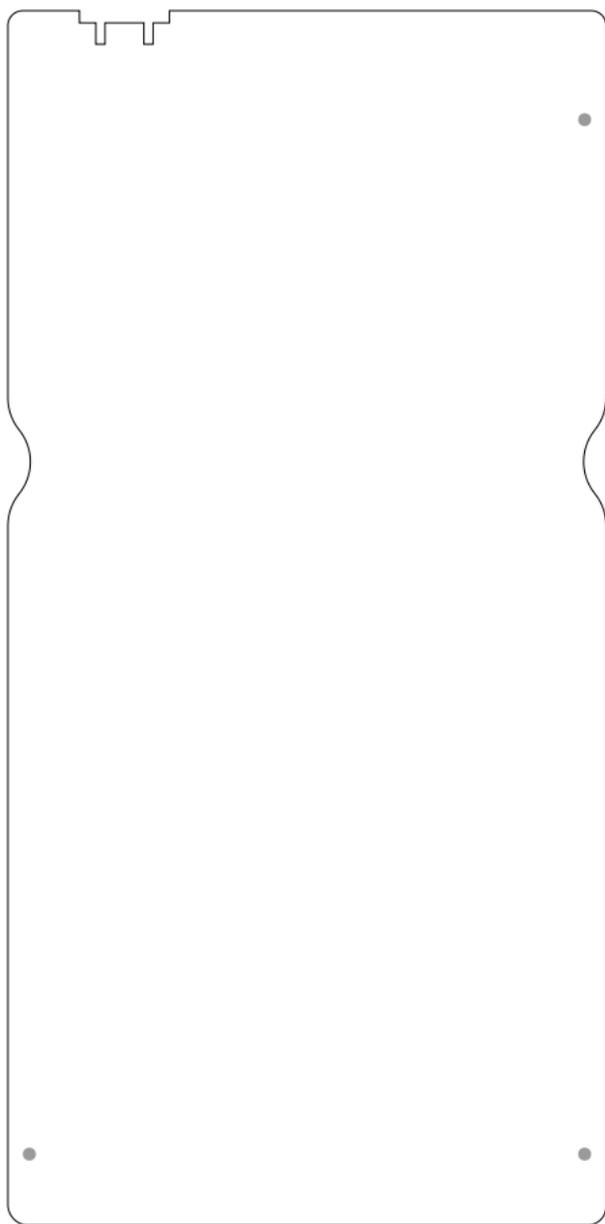
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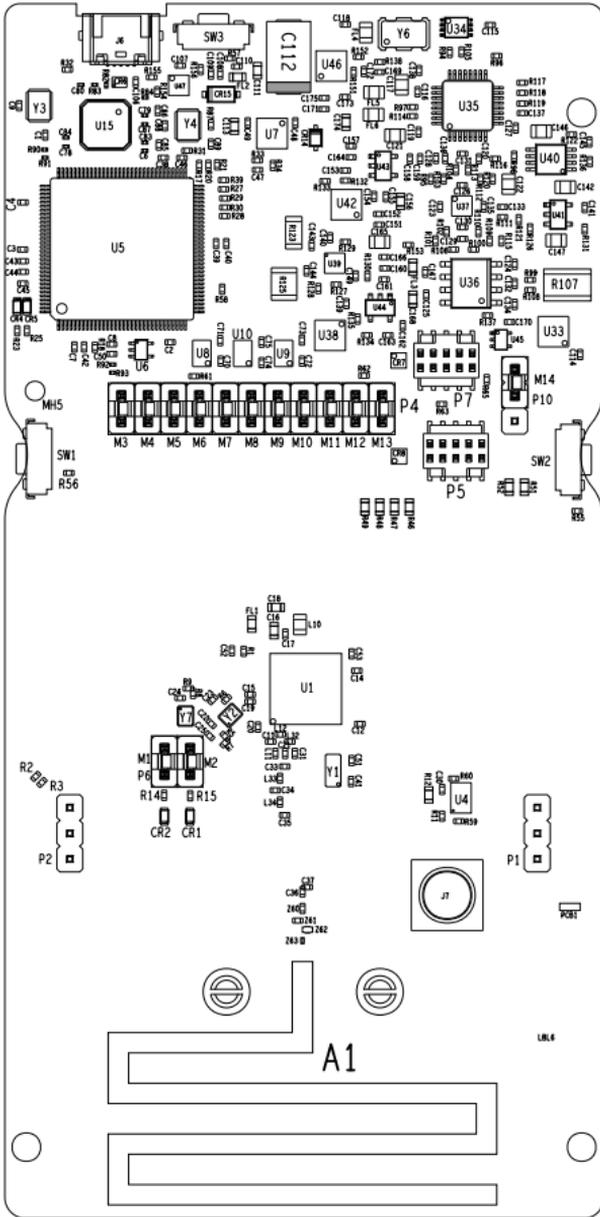
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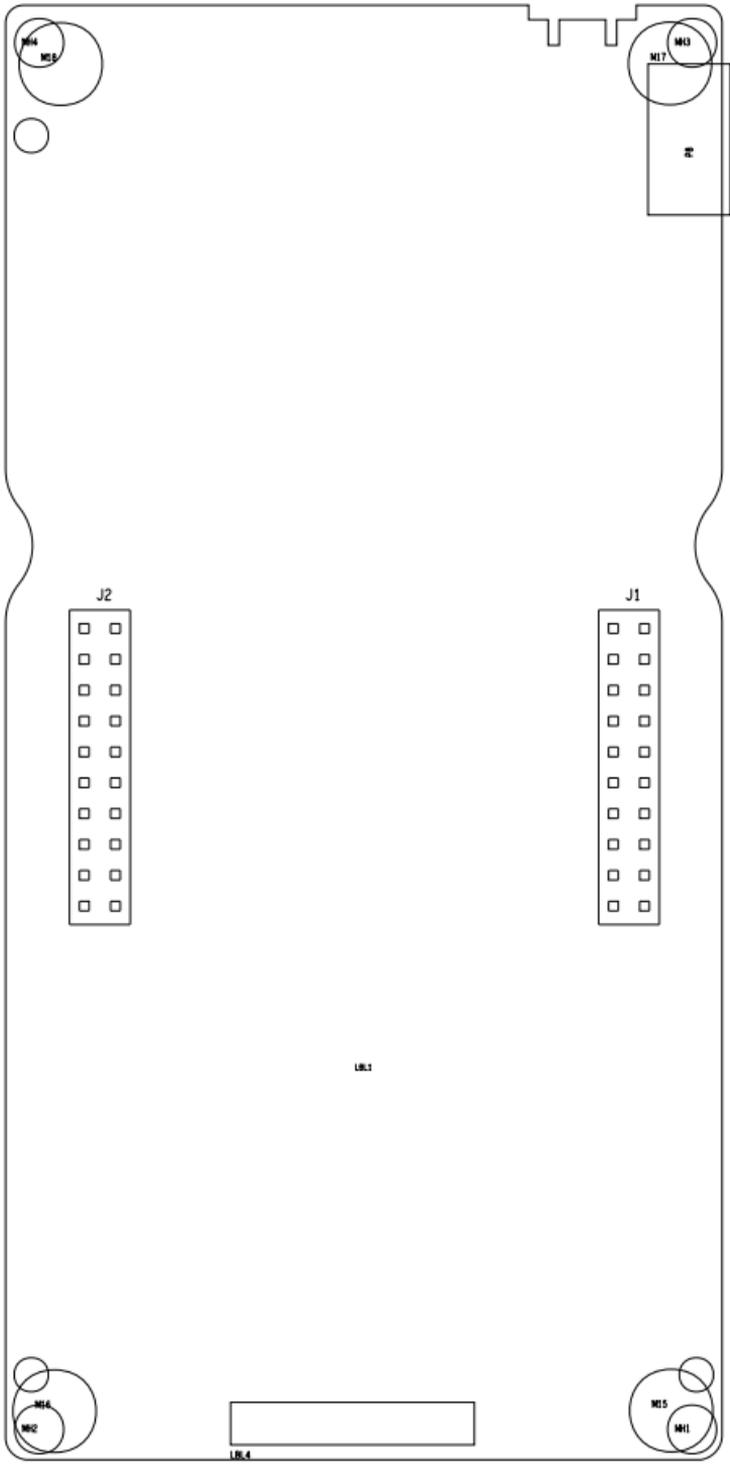
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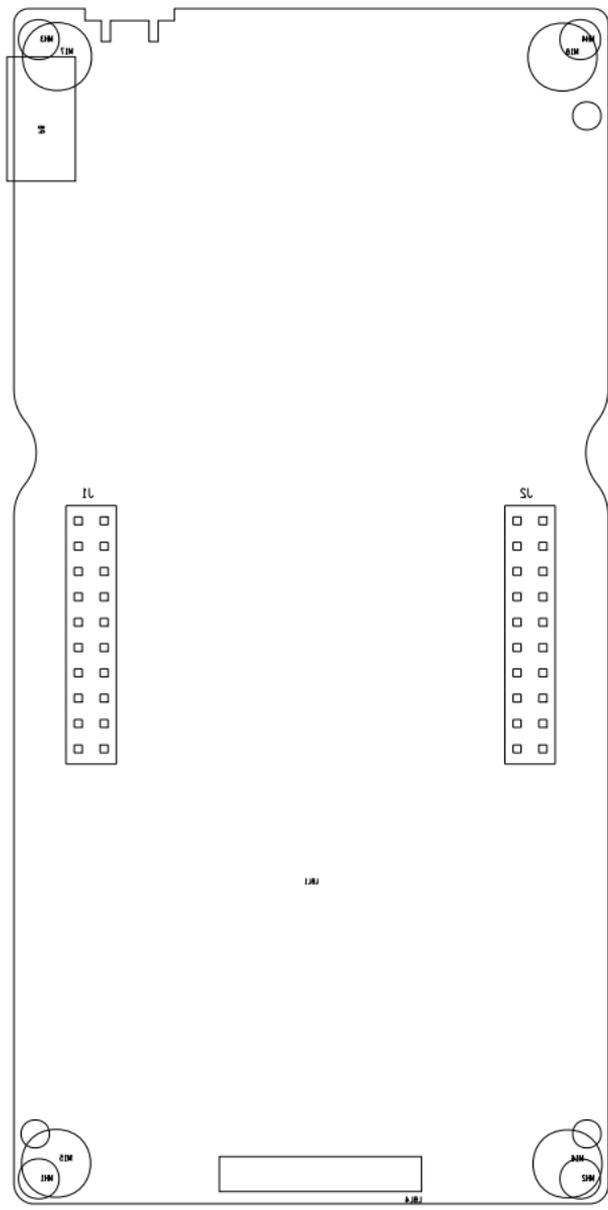


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	DATE: 2018-10-10	



	TEXAS INSTRUMENTS	
	ASSYTOP	LAUNCHXL-CC1312R1 D WCS042 D
	DATE: 2018-10-10	





	TEXAS INSTRUMENTS	
	ASSYBOT	LAUNCHXL-CC1312R1 D WCS042 D
	DATE: 2018-10-10	

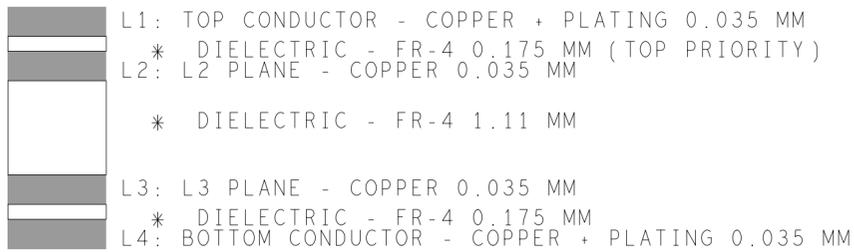
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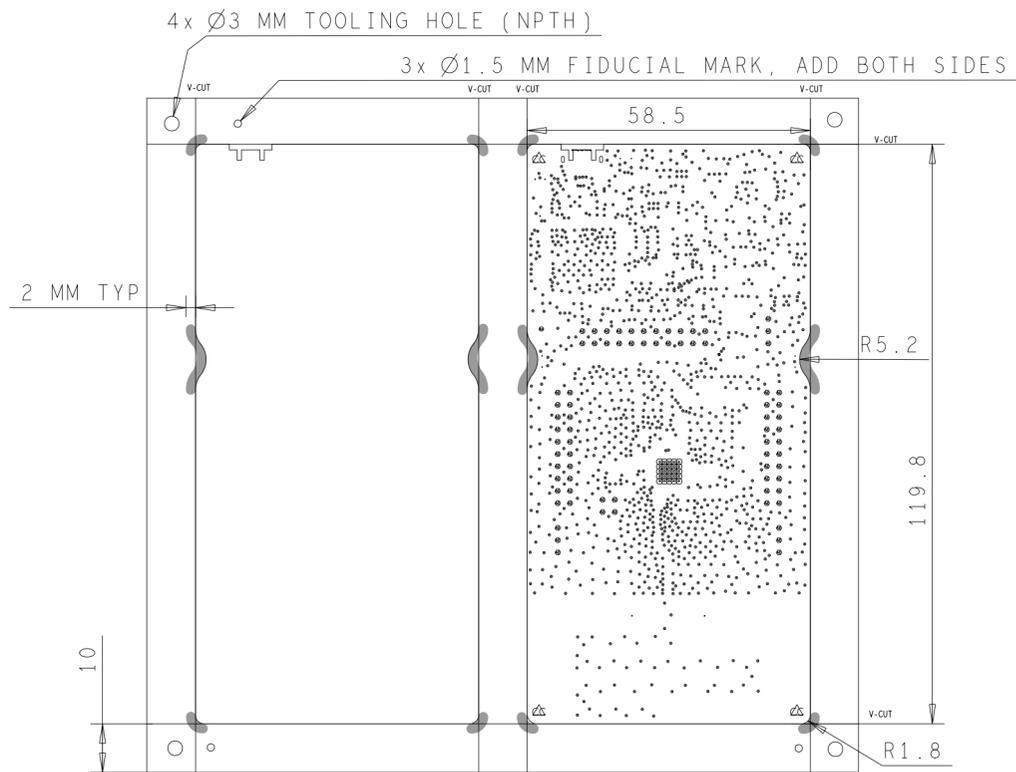
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DESIGN CROSS SECTION CHART  
TOTAL THICKNESS 1.6 MM



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E1	Initial Version	2017-08-09	2017-08-09
A	Production Release Version	2017-10-20	2017-10-20
B	Production Release Version (Added DustBin Symbol)	2018-01-04	2018-01-04
C	Updated with new Energy Trace Circuit	2018-07-09	2018-07-09
D	Production Release Version (Added CE Logo)	2018-10-10	2018-10-10

PANEL DRAWING



DRILL CHART: TOP to BOTTOM				
ALL UNITS ARE IN MILLIMETERS				
FIGURE	FINISHED_SIZE	ROTATION	PLATED	QTY
.	0.2	-	PLATED	1369
o	0.201	-	PLATED	25
•	1.05	-	PLATED	75
•	1.1	-	PLATED	1
△	3.2	-	PLATED	4
.	0.899	-	NON-PLATED	6
.	1.0	-	NON-PLATED	3
.	3.2	-	NON-PLATED	2
o	1.3x0.6	90.000	PLATED	2
TOTAL HOLES:				1487

TEXAS INSTRUMENTS
DRILL LAUNCHXL-CC1312R1 D WCS042 D
DATE: 2018-10-10

- FAB NOTES:
- ALL DIMENSIONS ARE IN MM, UNLESS OTHERWISE NOTED.
  - THE PWB SHALL BE FABRICATED TO IPC-6012, CLASS 2 AND WORKMANSHIP SHALL CONFORM TO IPC-A-600, CLASS 2, CURRENT REVISIONS.
  - BOARD MATERIAL SHALL BE 180 Tg/240 Td ISOLA FR-370HR OR EQUIVALENT, R6HS COMPLIANT AND LEAD FREE ASSEMBLY CAPABLE. BOARD MATERIAL SHALL MEET OR EXCEED IPC-4101B. R6HS/REACH CERTIFICATE OF CONFORMANCE SHALL BE DELIVERED WITH EACH LOT.
  - BOARD MATERIAL & CONSTRUCTION TO BE U.L. 94V-0 APPROVED AND MARKED ON THE FINISHED BOARD. UL GUIDE NUMBER SHOULD BE MARKED ON THE FINISHED BOARD.
  - OVERALL BOARD THICKNESS TO BE 1.6 MM AND APPLIES AFTER ALL LAMINATION AND PLATING PROCESSES, MEASURED FROM COPPER TO COPPER.
  - MAX. WARP & TWIST TO BE .0075 PER INCH.
  - BOARD MUST BE ELECTRICALLY TESTED USING SUPPLIED IPC-D-356 NETLIST.
  - 0.32MM TRACES ON LAYER 1 ARE 50 OHMS +/-10%. THEY ARE REFERENCE TO LAYER 2 GROUND
  - MANUFACTURER MARKING: TWO LETTER + YEAR + WEEK  
THE LETTER CODE SHALL IDENTIFY THE MANUFACTURER AND IS DECIDED BY MFR. NO LOGOS OR OTHER IDENTIFIERS ARE ALLOWED  
THE MARKING SHALL BE IN BOTTOM SILK SCREEN PRINT

- PROCESS NOTES:
- APPLY LPI SOLDERMASK OVER BARE COPPER (SMOBC), SOLDERMASK SHALL CONFORM TO IPC-SM-840, CLASS H, CURRENT REV, COLOR OF MASK TO BE RED.
  - PLATE ALL EXPOSED AREAS WITH ELECTROLESS NICKEL IMMERSION GOLD. NICKEL:100 MICRO-INCHES MIN. GOLD:2-8 MICROINCHES MIN.
  - SOLDERMASK ARTWORK HAS ZERO (0) OVERSIZED PADS. FABRICATION VENDOR IS ALLOWED TO ADJUST THE COMPONENT SOLDERMASK PADS TO MEET THEIR TOOLING REQUIREMENTS.
  - APPLY NON-CONDUCTIVE LPI SILKSCREEN OR EQUIVALENT PER THE ARTWORK. COLOR: WHITE.
  - ALL VIAS ARE TENTED.

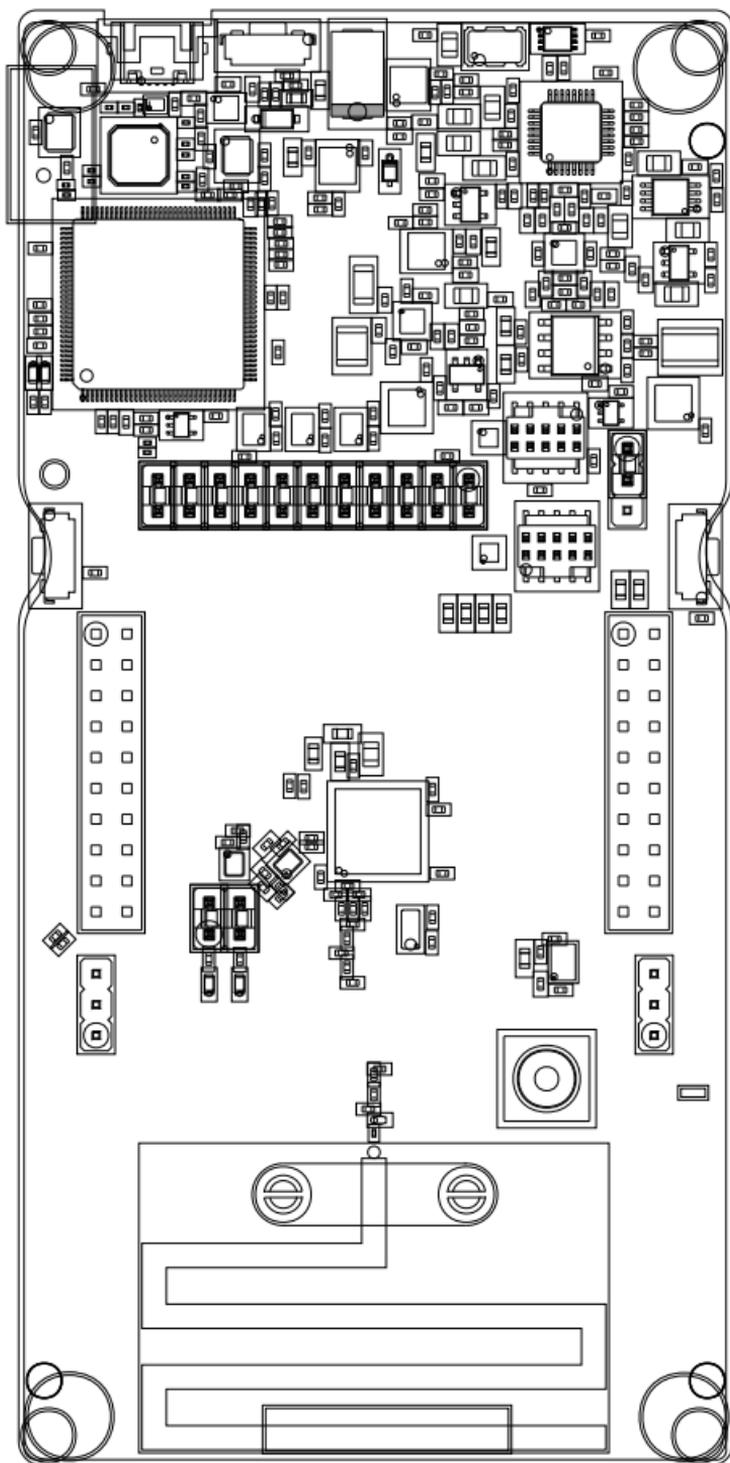
UNLESS OTHERWISE SPECIFIED	SIGNATURES	DATE	TEXAS INSTRUMENTS	
DIMENSIONS ARE IN MM	DRAWN PM	2018-10-10	FABRICATION DRAWING LAUNCHXL-CC1312R1 CC1312R LaunchPad WCS042 D	
	CHECKED TA.SJ	2018-10-10		
			SIZE	FSCM NO
			DWG NO	
			SCALE	NONE
			SHEET 1 OF 1	

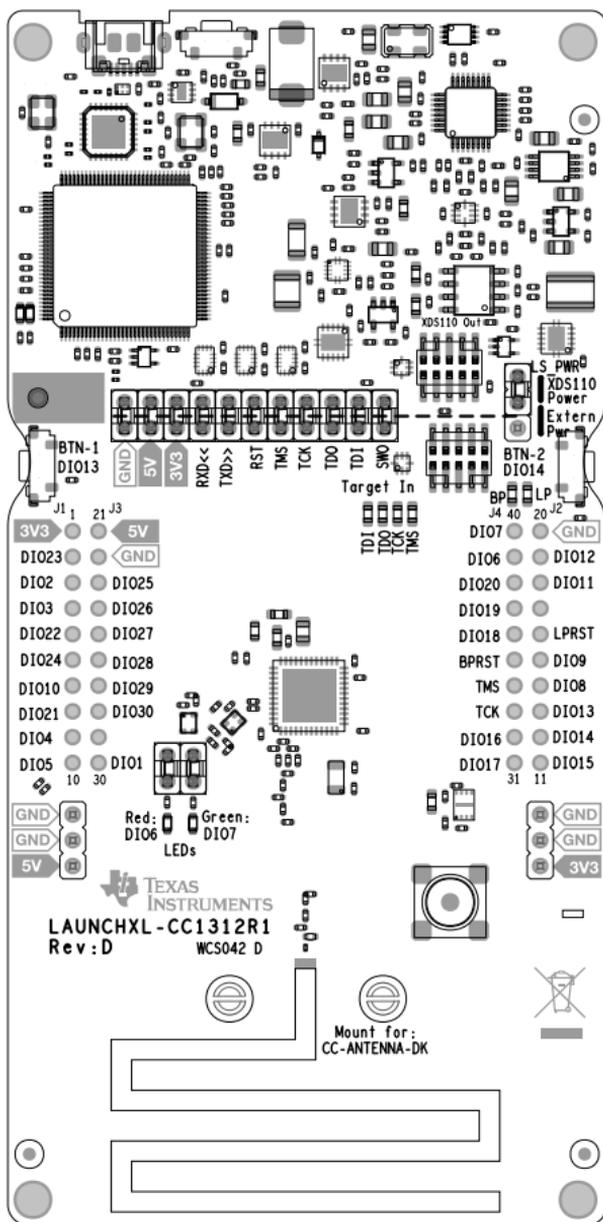
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1





	TEXAS INSTRUMENTS	
	SILKTOP	LAUNCHXL-CC1312R1 D WCS042 D
	DATE: 2018-10-10	