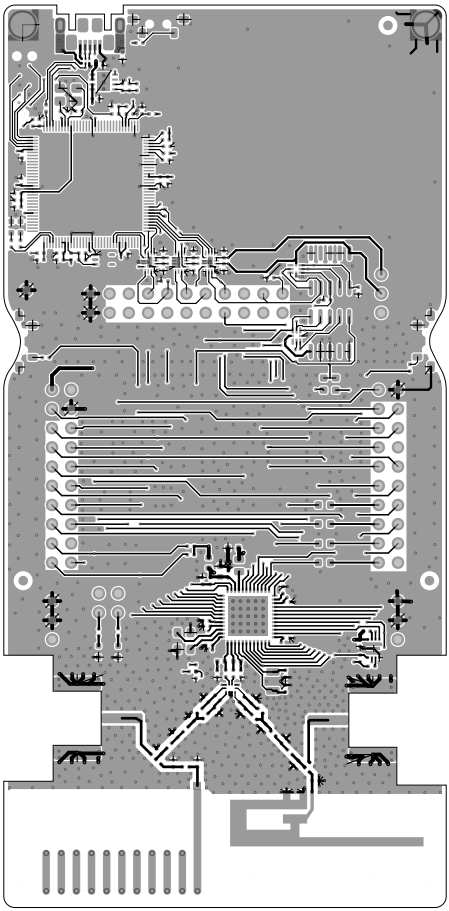
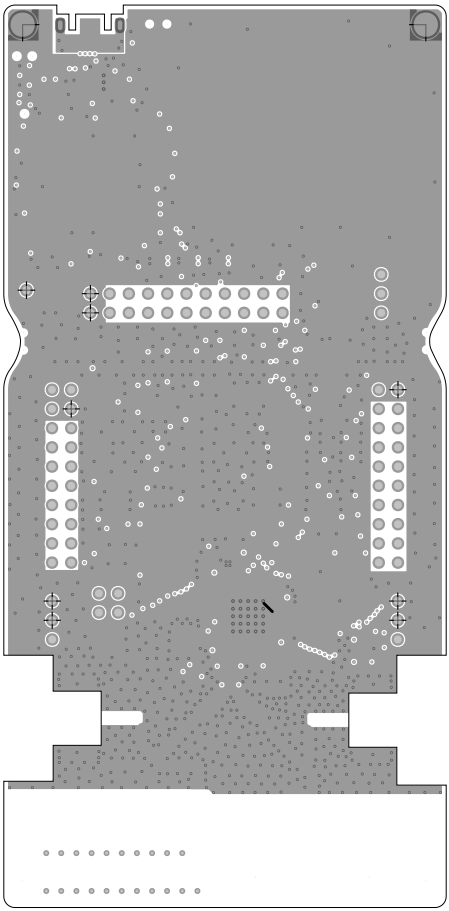
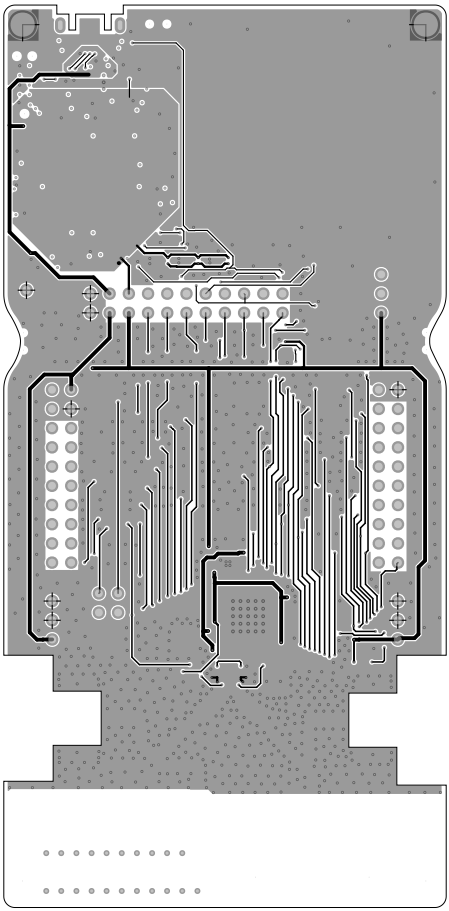


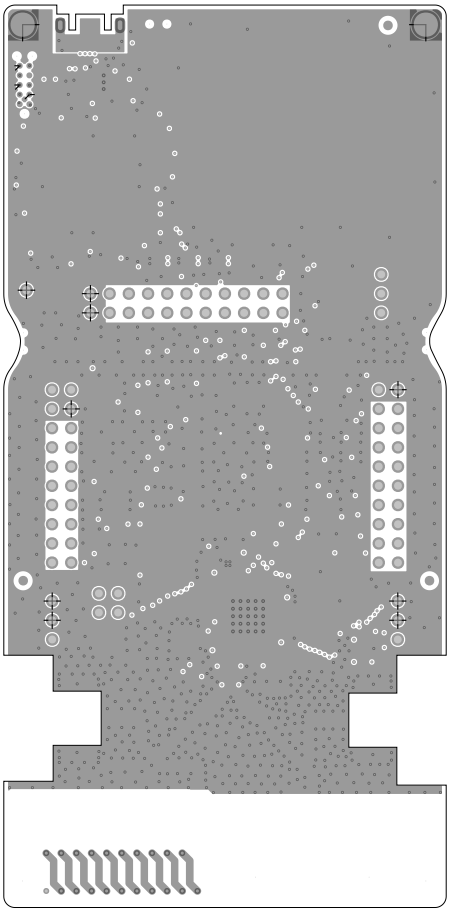
CUSTOMER: TEXAS INSTRUMENTS			
BOARD NAME: LAUNCHXL-CC1350-4	LAYER NAME: Top Layer		
PROJECT NO: WCS034	BOARD REV: A	RELEASE DATE: 2017-01-23	SHEET NO: 1 OF 10



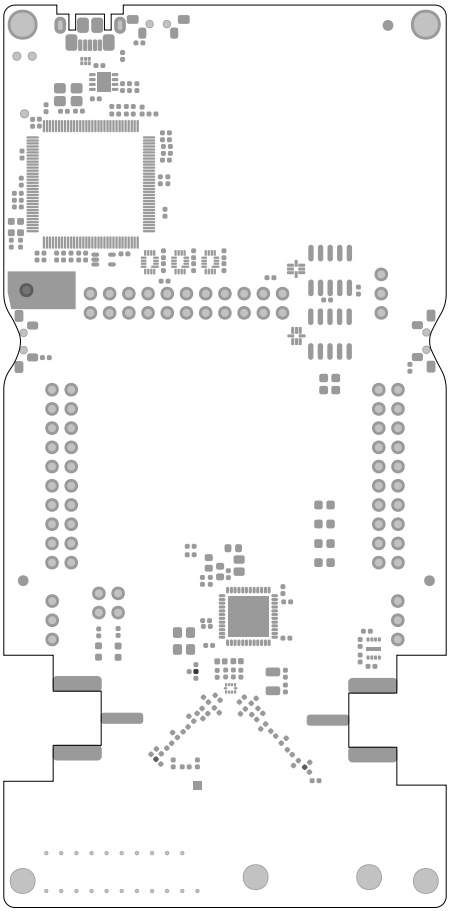
CUSTOMER: TEXAS INSTRUMENTS			
BOARD NAME: LAUNCHXL-CC1350-4	LAYER NAME: Layer-2		
PROJECT NO: WCS034	BOARD REV: A	RELEASE DATE: 2017-01-23	SHEET NO: 2 OF 10



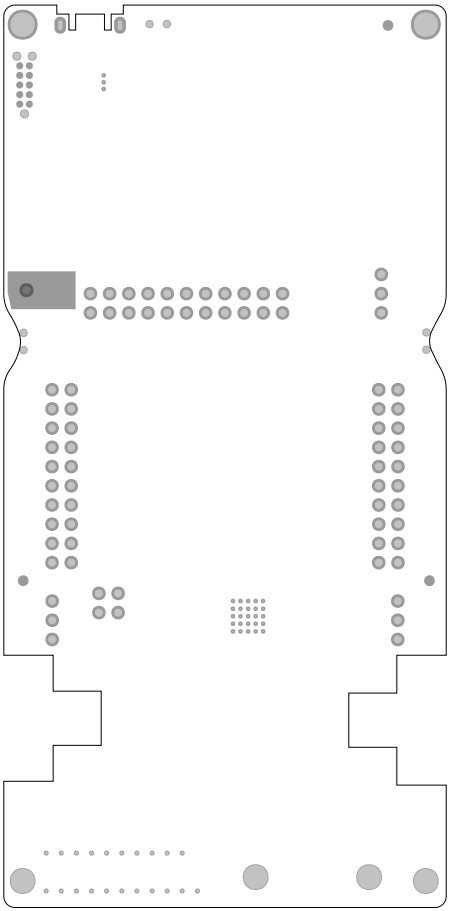
CUSTOMER: TEXAS INSTRUMENTS			
BOARD NAME: LAUNCHXL-CC1350-4	LAYER NAME: Layer-3		
PROJECT NO: WCS034	BOARD REV: A	RELEASE DATE: 2017-01-23	SHEET NO: 3 OF 10



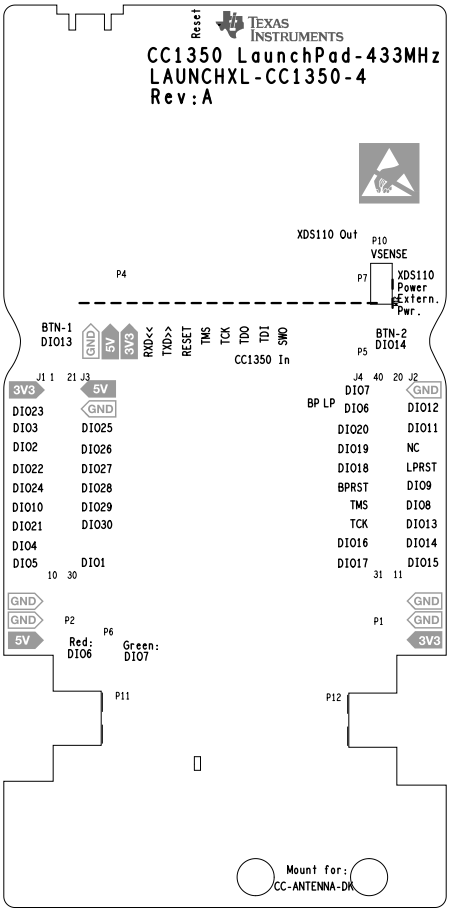
CUSTOMER: TEXAS INSTRUMENTS			
BOARD NAME: LAUNCHXL-CC1350-4	LAYER NAME: Bottom Layer		
PROJECT NO: WCS034	BOARD REV: A	RELEASE DATE: 2017-01-23	SHEET NO: 4 OF 10



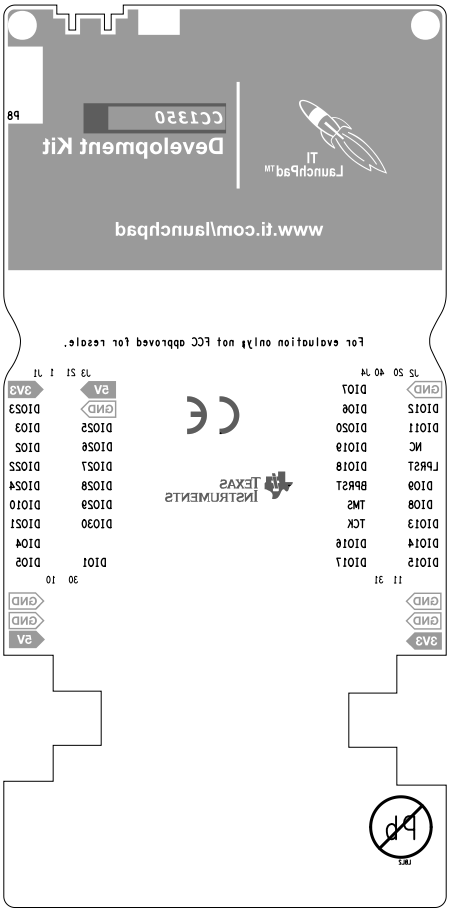
CUSTOMER: TEXAS INSTRUMENTS			
BOARD NAME: LAUNCHXL-CC1350-4	LAYER NAME: Soldermask-Top		
PROJECT NO: WCS034	BOARD REV: A	RELEASE DATE: 2017-01-23	SHEET NO: 5 OF 10



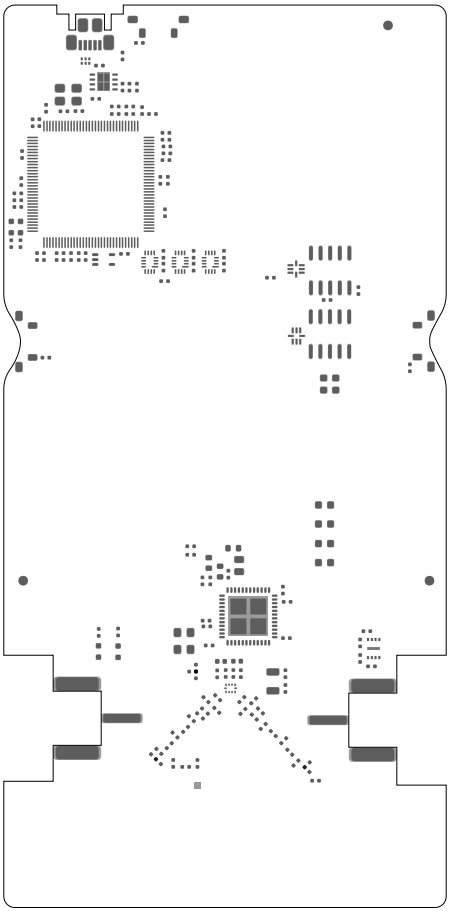
CUSTOMER: TEXAS INSTRUMENTS			
BOARD NAME: LAUNCHXL-CC1350-4	LAYER NAME: Soldermask-Bottom		
PROJECT NO: WCS034	BOARD REV: A	RELEASE DATE: 2017-01-23	SHEET NO: 6 OF 10



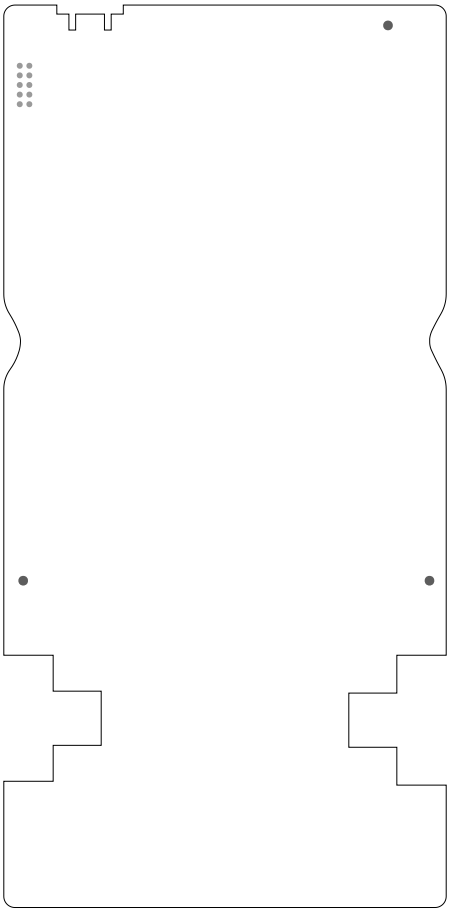
CUSTOMER: TEXAS INSTRUMENTS			
BOARD NAME: LAUNCHXL-CC1350-4	LAYER NAME: Silkscreen-Top		
PROJECT NO: WCS034	BOARD REV: A	RELEASE DATE: 2017-01-23	SHEET NO: 7 OF 10



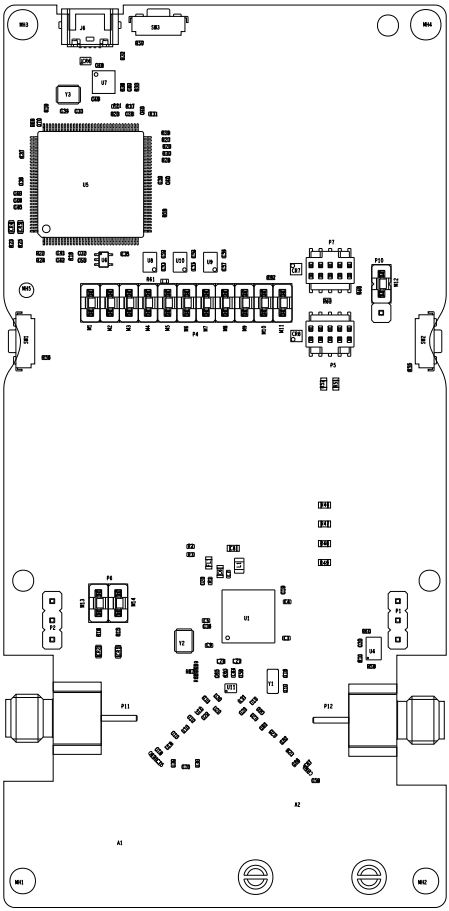
CUSTOMER: TEXAS INSTRUMENTS			
BOARD NAME: LAUNCHXL-CC1350-4	LAYER NAME: Silkscreen-Bottom		
PROJECT NO: WCS034	BOARD REV: A	RELEASE DATE: 2017-01-23	SHEET NO: 8 OF 10



CUSTOMER: TEXAS INSTRUMENTS			
BOARD NAME: LAUNCHXL-CC1350-4	LAYER NAME: Pastemask-Top		
PROJECT NO: WCS034	BOARD REV: A	RELEASE DATE: 2017-01-23	SHEET NO: 9 OF 10

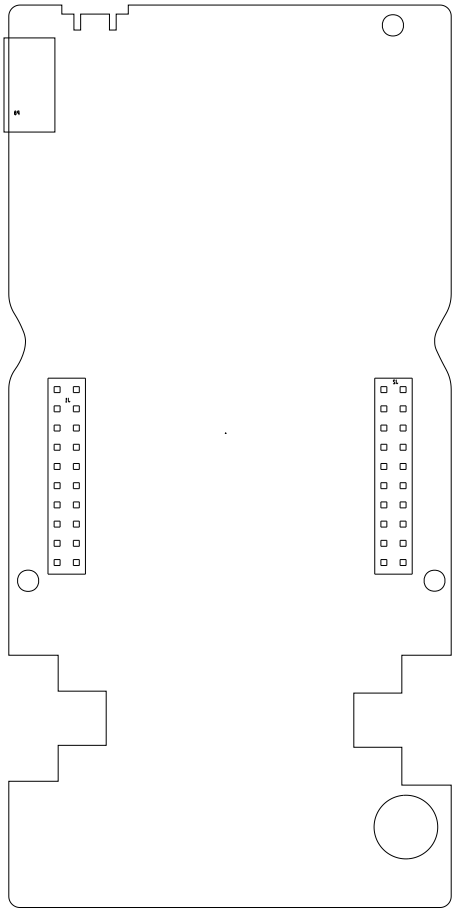


CUSTOMER: TEXAS INSTRUMENTS			
BOARD NAME: LAUNCHXL-CC1350-4	LAYER NAME: Pastemask-Bottom		
PROJECT NO: WCS034	BOARD REV: A	RELEASE DATE: 2017-01-23	SHEET NO: 10 OF 10



CUSTOMER: TEXAS INSTRUMENTS			
BOARD NAME: LAUNCHXL-CC1350-4	LAYER NAME: Assembly-Top		
PROJECT NO: WCS034	BOARD REV: A	RELEASE DATE: 2017-01-23	SHEET NO: 1 OF 2

CUSTOMER: TEXAS INSTRUMENTS			
BOARD NAME: LAUNCHXL-CC1350-4	LAYER NAME: Assembly-Bottom		
PROJECT NO: WC5034	BOARD REV: A	RELEASE DATE: 2017-01-23	SHEET NO: 2 OF 2

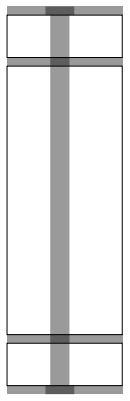


CUSTOMER: TEXAS INSTRUMENTS			
BOARD NAME: LAUNCHXL-CC1350-4	LAYER NAME: Assembly-Bottom		
PROJECT NO: WCS034	BOARD REV: A	RELEASE DATE: 2017-01-23	SHEET NO: 2 OF 2

FAB NOTES:
1. ALL DIMENSIONS ARE IN INCHES, UNLESS OTHERWISE NOTED.
2. THE PWB SHALL BE FABRICATED TO IPC-6012, CLASS 2 AND WORKMANSHIP SHALL CONFORM TO IPC-A-600, CLASS 2. CURRENT REVISIONS.
3. BOARD MATERIAL SHALL BE 180 Tg/340 Td ISOLA FR-370HR OR EQUIVALENT, RoHS/REACH COMPLIANT AND LEAD FREE ASSEMBLY CAPABLE. BOARD MATERIAL SHALL MEET OR EXCEED IPC-4101B, RoHS/REACH CERTIFICATE OF CONFORMANCE SHALL BE DELIVERED WITH EACH LOT.
4. 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.
5. OVERALL BOARD THICKNESS TO BE .063 +/-.005" AND APPLIES AFTER ALL LAMINATION AND PLATING PROCESSES, MEASURED FROM COPPER TO COPPER.
6. MAX. WARP & TWIST TO BE .0075 PER INCH.
7. BOARD MUST BE ELECTRICALLY TESTED USING SUPPLIED IPC-D-356 NETLIST.
8. 14 MIL TRACES ON LAYER 1 ARE 50 OHMS +/-10%. THEY ARE REFERENCE TO LAYER 2 GROUND WITH SOLDERMASK CLEAR AWAY.

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

1.4



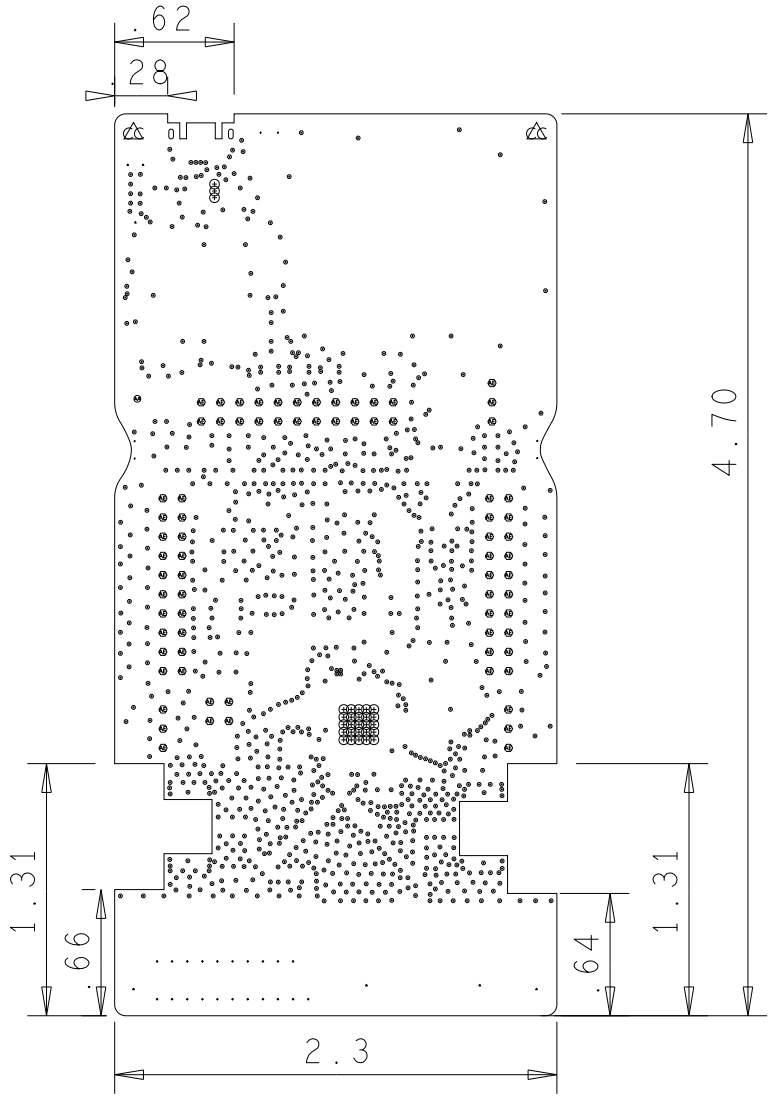
* SURFACE - AIR 0 MIL
L1: TOP CONDUCTOR - COPPER 1.4 MIL
* DIELECTRIC - FR-4 6.9 MIL
L2: L2 PLANE - COPPER 1.4 MIL

* DIELECTRIC - FR-4 43.7 MIL

L3: L3 CONDUCTOR - COPPER 1.4 MIL
* DIELECTRIC - FR-4 6.9 MIL
L4: BOTTOM CONDUCTOR - COPPER 1.4 MIL
* SURFACE - AIR 0 MIL

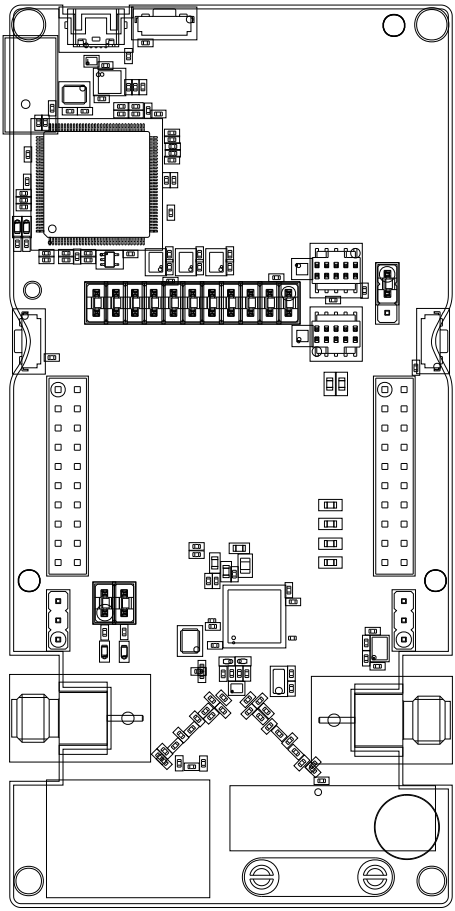
DESIGN CROSS SECTION CHART

TOTAL THICKNESS 63.1 MIL

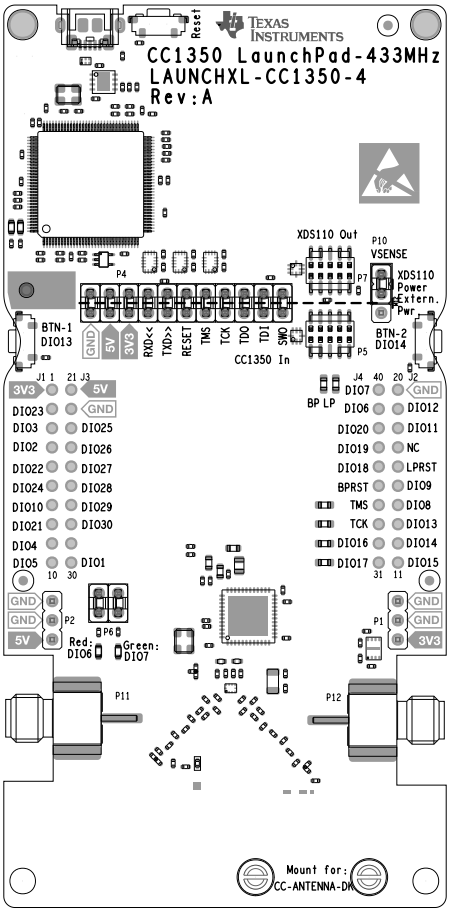


DRILL CHART: TOP to BOTTOM			
ALL UNITS ARE IN MILS			
FIGURE	SIZE	PLATED	QTY
•	8.0	PLATED	1023
⊙	8.0	PLATED	28
•	10.0	PLATED	8
·	16.0	PLATED	21
◉	41.0	PLATED	75
◉	43.0	PLATED	1
⧋	126.0	PLATED	2
·	35.0	NON-PLATED	6
·	39.0	NON-PLATED	3
·	126.0	NON-PLATED	4
▯	51.0x24.0	PLATED	2

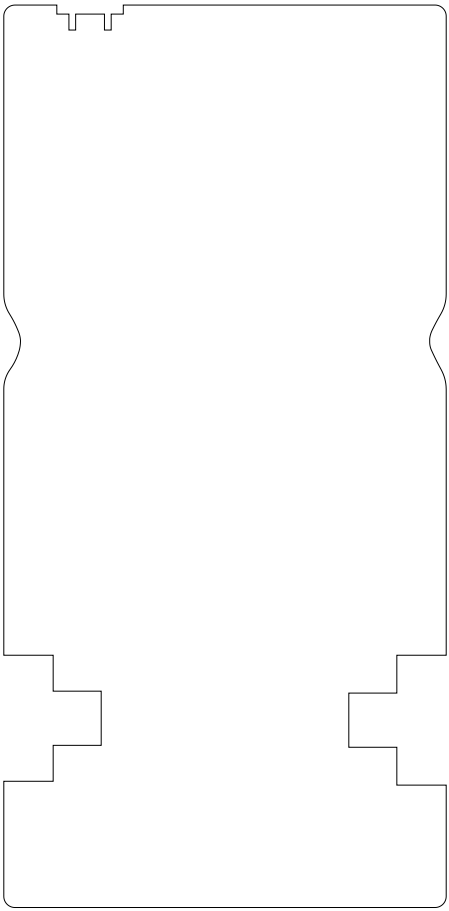
CUSTOMER: TEXAS INSTRUMENTS			
BOARD NAME: LAUNCHXL-CC1350-4	LAYER NAME: Fabrication Drawing		
PROJECT NO: WCS034	BOARD REV: A	RELEASE DATE: 2017-01-23	SHEET NO: 1 OF 1



CUSTOMER: TEXAS INSTRUMENTS			
BOARD NAME: LAUNCHXL-CC1350-4	LAYER NAME: Assembly-Bottom		
PROJECT NO: WCS034	BOARD REV: A	RELEASE DATE: 2017-01-23	SHEET NO: 2 OF 12



CUSTOMER: TEXAS INSTRUMENTS			
BOARD NAME: LAUNCHXL-CC1350-4	LAYER NAME: Assembly-Top		
PROJECT NO: WCS034	BOARD REV: A	RELEASE DATE: 2017-01-23	SHEET NO: 1 OF 10



CUSTOMER: TEXAS INSTRUMENTS			
BOARD NAME: LAUNCHXL-CC1350-4	LAYER NAME:		
PROJECT NO: WCS034	BOARD REV: A	RELEASE DATE: 2017-01-23	SHEET NO: OF