



DRILL CHART: TOP to BOTTOM				
ALL UNITS ARE IN MILS				
FIGURE	SIZE	TOLERANCE	PLATED	QTY
•	8.0	+0.0/-8.0	PLATED	498
+	33.46	+2.0/-2.0	PLATED	2
+	40.16	+3.0/-3.0	PLATED	129
+	47.33	+3.0/-3.0	PLATED	3
⊙	75.0	+3.0/-3.0	PLATED	2
■	40.16	+2.0/-2.0	NON-PLATED	6
△	160.0	+2.0/-2.0	NON-PLATED	4
-	51.18x23.62	+2.0/-2.0	PLATED	2

TEXAS INSTRUMENTS	
FAB LAYER	DATE: 30-SEP-2016
DESIGN	REV: 02

- NOTES: UNLESS OTHERWISE SPECIFIED.
- FABRICATE PER IPC-6012A CLASS 2.
  - TOTAL BOARD THICKNESS SHALL BE 1.6mm +/- 10%.
  - ALL MATERIAL SHALL BE NEMA GRADE FR-4 OR EQUIVALENT.
  - PRINTED WIRING BOARD SHALL COMPLY WITH REQUIREMENTS OF ANSI/J-STD-003.
  - SURFACE FINISH: ENIG.
  - SOLDERMASK ON BOTH SIDES OF THE BOARD SHALL BE LPI, COLOR RED.
  - SILK SCREEN LEGEND TO BE APPLIED PER LAYER STACKUP USING WHITE NON-CONDUCTIVE EPOXY INK.
  - 100% CONTINUITY TESTING USING DATABASE NETLIST SHALL BE PERFORMED.
  - THIS PRINTED WIRING BOARD IS DESIGNED WITH A MINIMUM CONDUCTOR WIDTH AND SPACING OF 4.9 MIL & 6 MILS
  - ALL VIAS ARE TENTED ON BOTH SIDES, EXCEPT VIAS ON PAD.
  - VENDOR SHOULD FOLLOW ROHS COMPLIANT PROCESS AND Pb FREE FOR MANUFACTURING
  - MANUFACTURER'S IDENTIFICATION, DATECODE LETTER SHALL BE SILKSCREENED ON SOLDER SIDE OF THE BOARD.
  - THIS IS IMPEDANCE CONTROL BOARD (IMPEDANCE TOLERANCE +/-10%). FOLLOW AS PER STACKUP DOCUMENT PROVIDED.
    - 9.494MILS TRACE WIDTH & 10.506MILS AIRGAP SHOULD BE 90 OHM IMPEDANCE ON TOP LAYER.
    - 4.9MILS TRACE WIDTH & 9.7MILS AIRGAP SHOULD BE 100 OHM IMPEDANCE ON INNER LAYER(L3 & L4).
    - 7.462MILS TRACE WIDTH & 10.408MILS AIRGAP SHOULD BE 100 OHM IMPEDANCE ON TOP & BOTTOM LAYERS
    - NO 50 OHM IMPEDANCE CONTROLLED TRACES ON THIS BOARD.
  - BOARD DIMENSIONS ARE IN MM.
  - BOW AND TWIST SHALL NOT EXCEED 0.7% OF LONGEST SIDE
  - Registration tolerance should be +/-0.003 inches.
  - PCB Material must meet or exceed UL94V-0 requirements. PCB must bear the UL94V-0 registered material ID number.
  - SOLDER MASK OPENING IS SAME SIZE AS PAD FOR ALL COMPONENTS EXCEPT NPTH, MOUNTING HOLES AND FIDUCIALS. THE MANUFACTURER IS REQUESTED TO OVERSIZE IT AS PER THEIR SOLDERMASK TOLERANCE.

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN		TEXAS INSTRUMENTS	
<input type="checkbox"/> INCHES	<input checked="" type="checkbox"/> MILLIMETERS	DRAWING TITLE	
		FABRICATION DRAWING	
		AR1XXEVM-012	
DATE	SIZE	PART NUMBER	REV
30-SEP-2016	D		E2
	SCALE		SHEET
	1/1		1 OF 1

CAD DATA 2 DO NOT MANUALLY UPDATE 1