LAYER STACKUP

0.093 ± 10%

LAYER	DEFINITION	PREPREG/CORE THICKNESS (MILS)	FINISHED Cu WT.
	SILKSCREEN		
	SOLDERMASK		
1	SIGNAL		1 OZ
PREPREG		4.2	
2	PLANE		1/2 OZ
CORE		78	
3	PLANE		1/2 OZ
PREPREG		4.2	
4	SIGNAL		1 OZ
	SOLDERMASK		
	SILKSCREEN		

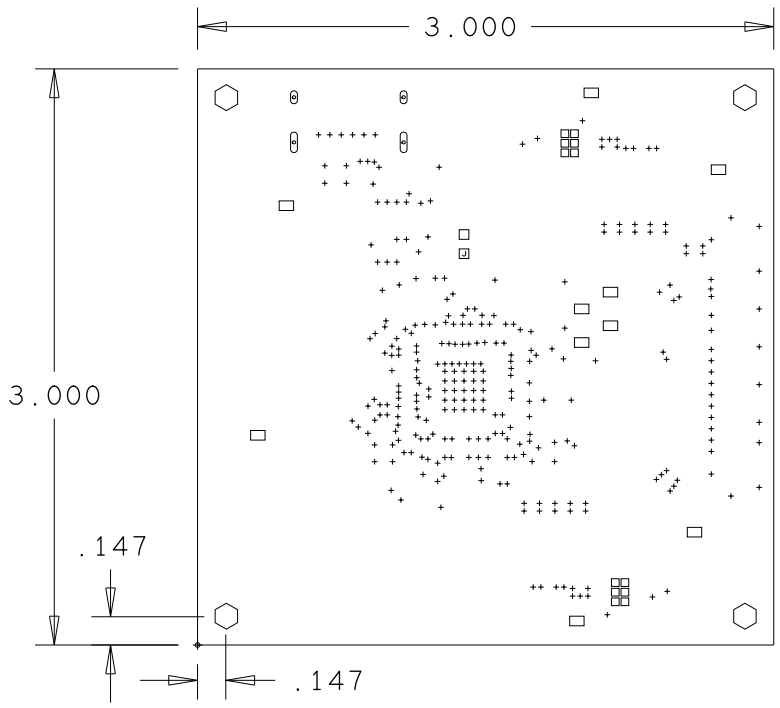
FAB NOTES:

1. ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED. ALL BOARD OUTLINE DIMENSION TOLERANCES ARE +/- .010".
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 ISOLA FR408HR OR EQUIVALENT, RoHS AND REACH COMPLIANT AND LEAD FREE ASSEMBLY CAPABLE. BOARD MATERIAL SHALL MEET OR EXCEED IPC-4101B. RoHS AND REACH CERTIFICATE OF CONFORMANCE SHALL BE DELIVERED WITH EACH LOT.
4. ALL BOARDS MUST MEET OR EXCEED UL94V-0 REQUIREMENTS. PCB MUST BEAR THE UL94V-0 UL REGISTERED MATERIAL ID NUMBER.
5. MINIMUM COPPER WALL THICKNESS OF PLATED-THRU HOLES TO BE .001 INCH, WITH A MINIMUM ANNULAR RING OF .002 INCH.
6. OVERALL BOARD THICKNESS TO BE .093 +/- 10% AND APPLIES AFTER ALL LAMINATION AND PLATING PROCESSES, MEASURED FROM COPPER TO COPPER.
7. MAX. WARP & TWIST TO BE .0075 INCHES PER INCH.
8. ANY DESCREPENCY BETWEEN FABRICATION PRINT AND THE ACTUAL FABRICATION DATA MUST BE REVIEWED AND APPROVED.

PROCESS NOTES:

1. PLATE ALL EXPOSED AREAS WITH ELECTROLESS IMMERSION GOLD, NICKEL 100 MICROINCHES THK MIN, GOLD 2-6 MICROINCHES THK.
2. BOARD MUST BE ELECTRICALLY TESTED USING SUPPLIED IPC-D-356 NETLIST.
3. APPLY LPI SOLDERMASK. COLOR:RED CONFORM TO IPC-SM-840, CLASS H. CURRENT REV. EXCEPT AS NOTED BELOW, SOLDERMASK ARTWORK IS SIZED 1:1 WITH SOLDER PAD FEATURES. VENDOR TO ADJUST FOR THEIR PROCESSES. MUST MAINTAIN WEB OF SOLDERMASK BETWEEN ALL EXPOSED PLATED SURFACES.
4. APPLY LPI SILKSCREEN BOTH SIDES USING NON-CONDUCTIVE EPOXY INK. COLOR: WHITE.

IMPEDANCE REQUIREMENTS		
LAYER	50 OHMS LINE WIDTH (MILS)	100 OHMS DIFFERENTIAL LINE WIDTH/SPACING (MILS)
1	6.5	4/6
4	6.5	



DRILL CHART: TOP to BOTTOM				
ALL UNITS ARE IN MILS				
FIGURE	SIZE	TOLERANCE	PLATED	QTY
+	10.0	+0.0/-10.0	PLATED	300
□	12.0	+3.0/-12.0	PLATED	12
□	40.0	+3.0/-3.0	PLATED	1
⊡	40.0	+3.0/-3.0	PLATED	1
▭	63.0	+3.0/-3.0	PLATED	10
⬡	135.0	+3.0/-3.0	NON-PLATED	4
⊙	66.93x35.43	+3.0/-3.0	PLATED	2
⊙	106.3x35.43	+3.0/-3.0	PLATED	2

CUSTOMER NAME: TEXAS INSTRUMENTS				DRAWN
BOARD NAME: DLPC7540EVM FRONT END BOARD		DESCRIPTION: DRILL CHART FAB DWG		
BOARD NO.: DLP064	REV: A	DATE: 26 JAN 2021	PRJ#: TIDLP-119421-01	SH: 11 OF: 11