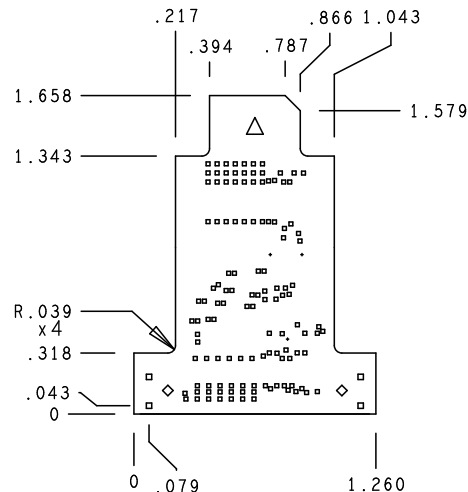


LAYER STACKUP

LAYER 1 - PRIMARY SIDE 4.3 MIL TRACE = 50 OHMS +/- %10
LAYER 2 - GND PLANE
LAYER 3 - GND PLANE
LAYER 4 - SECONDARY SIDE 4.3 MIL TRACE = 50 OHMS +/- %10



PRIMARY SIDE VIEW



CUSTOMER NAME TEXAS INSTRUMENTS					
BOARD NAME SPECTRA S241 DMD BOARD			DESCRIPTION FAB DRAWING		
BOARD NO. 2513467	REV	DATE 12 NOV 2013	PRJ# TIDL P-22694-01	SH 9	OF 9

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 180 Tg/340 Td ISOLA FR-370HR OR EQUIVALENT, RoHS COMPLIANT AND LEAD FREE ASSEMBLY CAPABLE. BOARD MATERIAL SHALL MEET OR EXCEED IPC-4101B. RoHS CERTIFICATE OF CONFORMANCE SHALL BE DELIVERED WITH EACH LOT.
4. BOARD MATERIAL & CONSTRUCTION TO BE ULL APPROVED AND MARKED ON THE FINISHED BOARD.
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 .062 +/- 10% AND APPLIES AFTER ALL LAMINATION AND PLATING PROCESSES, MEASURED FROM COPPER TO COPPER.
7. ALL COPPER LAYERS TO BE 1/2 OZ. COPPER PLUS PLATING.
8. MAX. WARP & TWIST TO BE .00750 INCHES PER INCH.
9. THIEVING IS NOT ALLOWED.

PROCESS NOTES:

1. EXCEPT AS NOTED BELOW, ALL EXPOSED CONDUCTORS ON BOTH SIDES PWB SHALL BE ELECTROPLATED GOLD (5-8 MICROINCHES) OVER ELECTROPLATED NICKEL (150 MIN MICROINCHES).
2. APPLY LPI SOLDERMASK. COLOR: GREEN. SOLDERMASK SHALL CONFORM TO IPC-SM-840, CLASS H. CURRENT REV.
3. SOLDERMASK ARTWORK HAS ZERO (0) OVERSIZED PADS. FABRICATION VENDOR IS ALLOWED TO ADJUST THE COMPONENT SOLDERMASK PADS TO MEET THEIR TOOLING REQUIREMENTS WHILE MAINTAINING WEBBING BETWEEN ADJACENT PADS.
4. APPLY LPI SILKSCREEN OR EQUIVALENT PER THE ARTWORK. COLOR: WHITE.
5. BOARD MUST BE ELECTRICALLY TESTED USING SUPPLIED IPC-D-356 NETLIST.

DRILL CHART: TOP to BOTTOM

ALL UNITS ARE IN MILS				
FIGURE	SIZE	TOLERANCE	PLATED	QTY
"	10.0	+3.0/-10.0	PLATED	123
.	12.0	+3.0/-3.0	PLATED	3
□	28.0	+3.0/-3.0	NON-PLATED	4
◇	57.0	+3.0/-3.0	NON-PLATED	2
△	87.0	+3.0/-3.0	NON-PLATED	1