

## FAB NOTES:

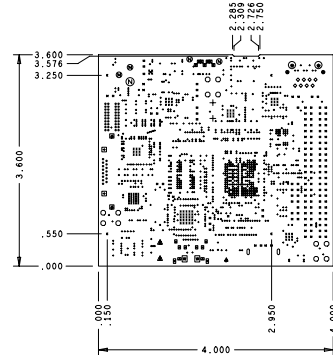
1. ALL DIMENSIONS ARE IN INCHES, UNLESS OTHERWISE NOTED.
2. THE PWB SHALL BE FABRICATED TO IPC-6012, CLASS 2 AND WORKMANSHIP SHALL CONFORM TO IPC-A-600, CLASS 2, CURRENT REVISIONS.
3. BOARD MATERIAL SHALL BE 180 Tg/350 Td ISOLA FR-370HR OR EQUIVALENT, RoHS COMPLIANT AND LEAD FREE ASSEMBLY CAPABLE. BOARD MATERIAL SHALL MEET OR EXCEED IPC-4101B, COLOR: NATURAL.
4. BOARD MATERIAL & CONSTRUCTION SHOULD MEET OR EXCEED UL FLAMMABILITY RATING 94V-0 AND IT SHOULD BE MARKED ON BOARD.
5. MINIMUM COPPER WALL THICKNESS OF PLATED-THRU HOLES TO BE .001 INCH, WITH A MINIMUM ANNUAL RING OF .002 INCH.
6. OVERALL BOARD THICKNESS TO BE .062 +/- .01% AND APPLIES AFTER ALL LAMINATION AND PLATING PROCESSES, MEASURED FROM COPPER TO COPPER.
7. MAX. WARP & TWIST TO BE .0075 INCHES PER INCH.
8. BOARD MUST BE ELECTRICALLY TESTED USING SUPPLIED IPC-D-350 NETLIST.
9. PLATED THROUGH SLOT INDICATED WITH MULTIPLE DRILL HITS SHOULD BE FINISHED AS SMOOTH WALL BY VENDOR.
10. ALL VIAS TO HAVE SOLDERMASK.

## PROCESS NOTES:

1. PLATE ALL EXPOSED AREAS WITH ELECTROLESS IMMERSION GOLD, NICKEL 150 MICROINCHES THK MIN GOLD 5-15 MICROINCHES THK MIN.
2. APPLY LPI SOLDERMASK OVER BARE COPPER (SBOBC). 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.
4. APPLY LPI SILKSCREEN OR EQUIVALENT PER THE ARTWORK. COLOR: WHITE.

## LAYER STACK-UP - ALL DIMENSIONS IN INCHES

LAYER#	COPPER WEIGHT (OZ)	50um SINGLE ENDED IMPEDANCE CONTROL +/- 10%		90um DIFFERENTIAL IMPEDANCE CONTROL +/- 10%		100um DIFFERENTIAL IMPEDANCE CONTROL +/- 10%	
		TRACE WIDTH	TRACE WIDTH / SPACE	TRACE WIDTH / SPACE	TRACE WIDTH / SPACE	TRACE WIDTH / SPACE	TRACE WIDTH / SPACE
LAYER 1 - PRIMARY SIDE - SIGNAL	HALF-PLATING	4.75	4.5/6.5		3.75/7.25		
LAYER 2 - GROUND PLANE	1						
LAYER 3 - SIGNAL	1	5.25	5.0/7.0		4.00/8.00		
LAYER 4 - SIGNAL	1	5.25	5.0/7.0		4.00/8.00		
LAYER 5 - SPLIT POWER PLANE	1						
LAYER 6 - SECONDARY SIDE - SIGNAL	HALF-PLATING	4.75	4.5/6.5		3.75/7.25		



DRILL CHART: TOP to BOTTOM				
ALL UNITS ARE IN MILS				
FIGURE	SIZE	TOLERANCE	PLATED	QTY
•	8.0	+3.0/-3.0	PLATED	1275
•	12.0	+3.0/-3.0	PLATED	100
•	28.0	+3.0/-3.0	PLATED	55
■	30.0	+3.0/-3.0	PLATED	7
•	35.0	+3.0/-3.0	PLATED	8
•	40.0	+3.0/-3.0	PLATED	139
○	42.0	+3.0/-3.0	PLATED	12
+	45.0	+3.0/-3.0	PLATED	2
⊗	55.0	+3.0/-3.0	PLATED	2
•	62.0	+3.0/-3.0	PLATED	2
•	71.0	+3.0/-3.0	PLATED	1
■	76.0	+3.0/-3.0	PLATED	2
⊗	120.0	+3.0/-3.0	PLATED	2
⊗	140.0	+3.0/-3.0	PLATED	1
•	156.0	+3.0/-3.0	PLATED	4
▲	67.0	+5.0/-5.0	NON-PLATED	2
■	77.0	+5.0/-5.0	NON-PLATED	2
⊗	128.0	+5.0/-5.0	NON-PLATED	2
•	59.1x39.4	+3.0/-3.0	PLATED	2
•	59.1x39.4	+3.0/-3.0	PLATED	6
■	78.7x39.4	+3.0/-3.0	PLATED	2
○	95.0x40.0	+3.0/-3.0	PLATED	2
■	105.0x85.0	+3.0/-3.0	NON-PLATED	2

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES +/- .XX +/- .01 +/- .XXX +/- .005		CONTRACT NO.		PTI	
MATERIAL		APPROVALS		DATE	
FINISH		DRAWN		PTI	
DO NOT SCALE DRAWING		CHECKED		2-4-15	
				FABRICATION DRAWING	
				OMAP-L138/C6748 LCDK-PCB-004	
		SIZE		CODE IDENT NO.	
		B		DRAWING NO.	
		SCALE		NONE	
				SHEET 1 OF 1	
				REV. 4	