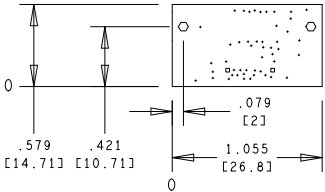


LAYER STACK-UP - ALL DIMENSIONS IN INCHES				
		68ohm SINGLE ENDED IMPEDANCE CONTROL +/- 10%	75ohm SINGLE ENDED IMPEDANCE CONTROL +/- 10%	100ohm DIFFERENTIAL IMPEDANCE CONTROL +/- 10%
LAYER#	COPPER WEIGHT (OZ)			
LAYER 1 - PRIMARY SIDE - SIGNAL	HALF+PLATING	4		4.7/5.3
LAYER 2 - GND PLANE	1			
LAYER 3 - GND/PWR PLANE	1			
LAYER 4 - SECONDARY SIDE - SIGNAL/ PLANE	HALF+PLATING	4		

- FAB NOTES:
- ALL DIMENSIONS ARE IN INCHES, UNLESS OTHERWISE NOTED. ALL BOARD OUTLINE DIMENSION TOLERANCES ARE +/- 0.010".
  - THE PWB SHALL BE FABRICATED TO IPC-6011 AND IPC-6012, CLASS 2 AND WORKMANSHIP SHALL CONFORM TO IPC-A-600, CLASS 2. CURRENT REVISIONS.
  - 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. COLOR: NATURAL.
  - BOARD MATERIAL & CONSTRUCTION TO BE U.L. APPROVED AND MARKED ON THE FINISHED BOARD. MATERIAL SHALL MEET A MINIMUM OF UL796 AND 94V-0 FLAMMABILITY RATING AND BE MARKED IN COPPER ON THE TOP SIDE OF THE BOARD IN INDICATED AREA.
  - MINIMUM COPPER WALL THICKNESS OF PLATED-THRU HOLES TO BE .001 INCH, WITH A MINIMUM ANNULAR RING OF .002 INCH.
  - OVERALL BOARD THICKNESS TO BE .062 +/- 10% AND APPLIES AFTER ALL LAMINATION AND PLATING PROCESSES, MEASURED FROM COPPER TO COPPER.
  - MAX. WARP & TWIST TO BE .0075 INCHES PER INCH.
  - BOARD MUST BE ELECTRICALLY TESTED USING SUPPLIED IPC-D-356 NETLIST.

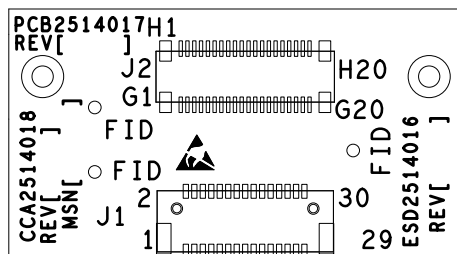
- PROCESS NOTES:
- PLATE ALL EXPOSED AREAS WITH ELECTROLESS IMMERSION GOLD, NICKEL 100 MICROINCHES THK, GOLD 2-6 MICROINCHES THK MIN.
  - APPLY LDI SOLDERMASK OVER BARE COPPER (SMOBC). COLOR: GREEN. SOLDERMASK SHALL CONFORM TO IPC-SM-840, CLASS H. CURRENT REV.
  - SOLDERMASK ARTWORK HAS ZERO (0) OVERSIZED PADS. FABRICATION VENDOR IS ALLOWED TO ADJUST THE COMPONENT SOLDERMASK PADS TO MEET THEIR TOOLING REQUIREMENTS WHILE MAINTAINING WEBBING BETWEEN ADJACENT PADS.
  - APPLY LPI SILKSCREEN OR EQUIVALENT PER THE ARTWORK. COLOR: WHITE.



PRIMARY SIDE VIEW

DRILL CHART: TOP to BOTTOM				
ALL UNITS ARE IN MILS				
FIGURE	SIZE	TOLERANCE	PLATED	QTY
•	12.0	+3.0/-12.0	PLATED	48
◻	27.0	+3.0/-3.0	NON-PLATED	2
○	98.4	+3.0/-3.0	NON-PLATED	2

CUSTOMER NAME		TEXAS INSTRUMENTS			
BOARD NAME			DESCRIPTION		
NIRscan Nano DMD Board			FAB DRAWING		
BOARD NO.	2514018	REV	DATE	PRJ#	SH OF
		-	29 OCT 2014	TIDL P-23202-02	11 11



CUSTOMER NAME		TEXAS INSTRUMENTS		
BOARD NAME		DESCRIPTION		
NIRscan Nano DMD Board		ASSEMBLY SILKSCREEN - PRIMARY SIDE		
BOARD NO.	REV	DATE	PRJ#	SH OF
2514018	-	29 OCT 2014	TIDL P-23202-02	7 11

