

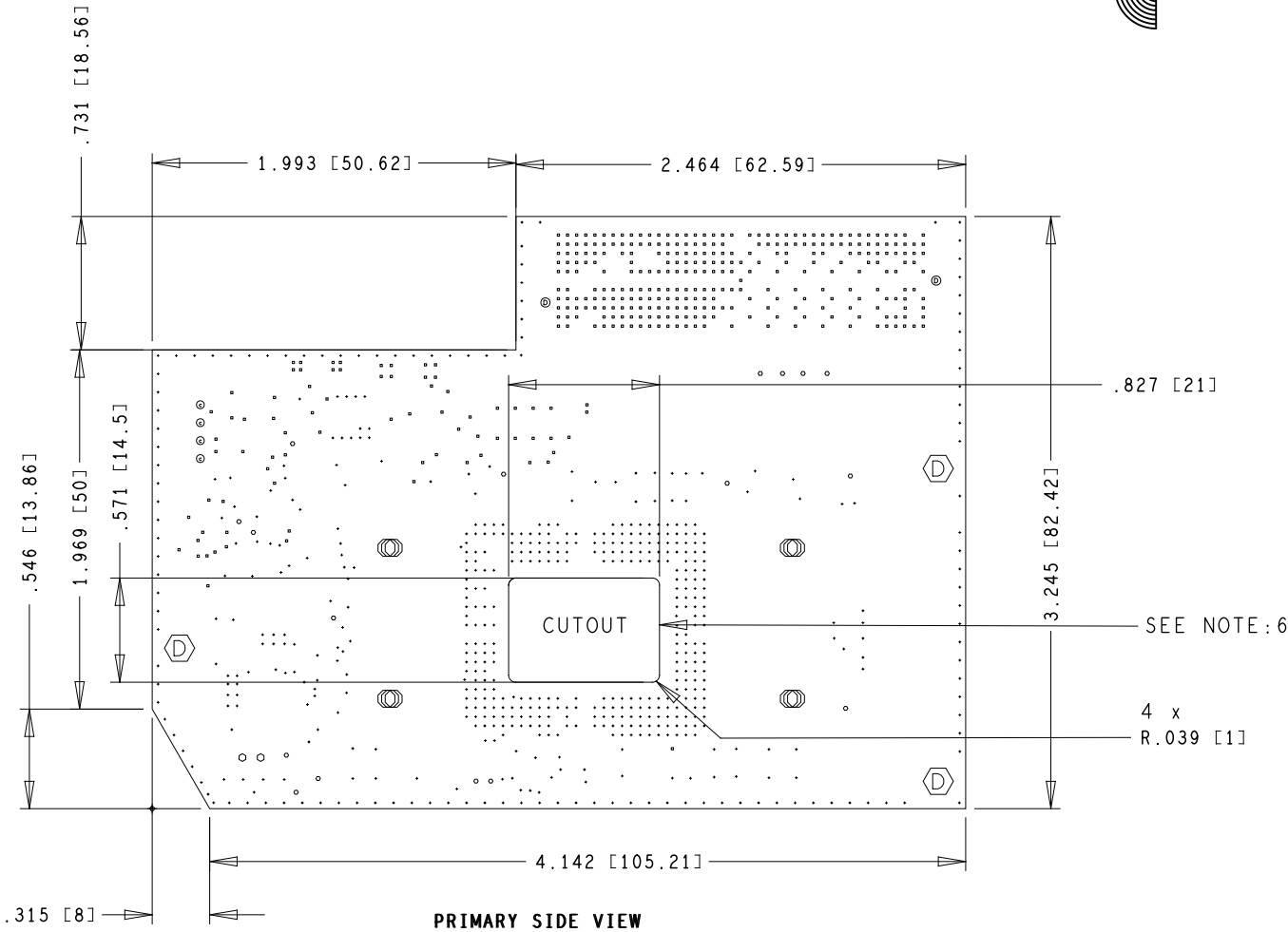
PROCESS NOTES:

1. GENERAL PLATING-ENIG
2. CLIP SILKSCREEN ON NO MASK AREA
3. APPLY LPI SOLDERMASK.SOLDERMASK SHALL CONFORM TO IPC-SM-840, CLASS H. CURRENT REV. COLOR: GLOSSY RED.
4. APPLY LPI SILKSCREEN OR EQUIVALENT PER THE ARTWORK. COLOR: WHITE.
5. BOARD MUST BE ELECTRICALLY TESTED USING SUPPLIED IPC-D-356 NETLIST.
6. NEED TO CUT THE BOARD AS PER MARKED DIMENSION
7. ALL 10 ,12 MIL VIAS NEED TO BE SOLDERMASK PLUGGING ON BOTTOM SIDE
8. REMOVE UNUSED PADS IN ALL INNER LAYERS
9. DEBURR ALL SHARP EDGES

FAB NOTES:

1. ALL DIMENSIONS ARE IN INCHES[MILLIMETERS] UNLESS OTHERWISE SPECIFIED
2. THE PWB SHALL BE FABRICATED TO IPC-6011 AND IPC-6012, CLASS 2, TYPE 3. WORKMANSHIP SHALL CONFORM TO IPC-A-600, CLASS 2. CURRENT REVISIONS.
3. BOARD MATERIAL -REFER STACKUP BOARD MATERIAL SHALL MEET OR EXCEED IPC-4101B. COLOR: NATURAL.
4. ALL BOARDS MUST MEET OR EXCEED UL94V - 0 REQUIREMENTS. PCB MUST BEAR THE UL94V - 0 UL REGISTERED MATERIAL ID NUMBER.
5. IONIC CONTAMINATION LEVEL 10 uG/IN SQ MAXIMUM.
6. VERIFICATION OF GOLD AND NICKEL PLATING THICKNESS REQUIRED FOR EACH FABRICATION LOT.
7. MINIMUM COPPER WALL THICKNESS OF PLATED-THRU HOLES TO BE .001 INCH, WITH A MINIMUM ANNULAR RING OF .002 INCH.
8. OVERALL BOARD THICKNESS TO BE .063 INCHES +/- 10% AND APPLIES AFTER ALL LAMINATION AND PLATING PROCESSES, MEASURED FROM COPPER TO COPPER.
9. MAX. WARP & TWIST TO BE .005 INCHES PER INCH.
10. MAXIMUM RATED VOLTAGE BETWEEN CONDUCTORS SHALL BE 65 VOLTS PEAK.
11. NO BREAKOUT ALLOWED ON PLATED THROUGH HOLES.
12. ALL HOLES IN DRILL CHART ARE FINISHED HOLE SIZES (FHS)
13. NO VENDOR LOGO, ART WORKS SHOULD NOT BE CHANGED WITHOUT PRIOR APPROVAL FROM TEXAS INSTRUMENTS
14. TEARDROPS SHOULD NOT BE ADDED ON ANY AREA WITHOUT PRIOR APPROVAL FROM TEXAS INSTRUMENTS
15. SEE DETAIL A FOR IMPEDANCE REQUIREMENTS AND COPPER WEIGHTS
16. THIS IS A ROHS COMPLIANT BOARD

DRILL CHART: TOP & BOTTOM				
ALL UNITS ARE IN MILS				
FIGURE	SIZE	TOLERANCE	PLATED	QTY
•	10.0	+3.0/-3.0	PLATED	582
"	12.0	+3.0/-3.0	PLATED	383
o	24.0	+3.0/-3.0	PLATED	17
○	42.0	+3.0/-3.0	PLATED	2
⊙	42.8	+3.0/-3.0	PLATED	4
⊕	125.0	+3.0/-3.0	PLATED	3
○	165.0	+3.0/-3.0	PLATED	12
⊗	59.0	+2.0/-0.0	NON-PLATED	2



CUSTOMER NAME			
TEXAS INSTRUMENTS			
BOARD NAME		DESCRIPTION	
DLP650NE_DLP670RE_Board_Rev1		FABRICATION DRAWING	
BOARD NO.	REV	DATE	SH 15 OF 15
305-PD-23-0423	1	MAY 2023	

STACKUP: 8 LAYERS

50ohm SINGLE ENDED  
IMPEDANCE CONTROL +/- 10%

100ohm DIFFERENTIAL  
IMPEDANCE CONTROL +/- 10%

	TOP (1 oz + PLATING)	7.37 MIL	-----
TU768	DIELECTRIC (4.24 mils)		
	02_PWR (2 oz)		
TU768	DIELECTRIC (7.09 mils)		
	03_GND1 (2 oz)		
TU768	DIELECTRIC (6.42 mils)		
	04_SIG1 (1 oz)	5.3 MIL	3.71/6.29 MIL
TU768	DIELECTRIC (7.09 mils)		
	05_GND2 (2 oz)		
TU768	DIELECTRIC (6.42 mils)		
	06_SIG2 (1 oz)	5.3 MIL	3.71/6.29 MIL
TU768	DIELECTRIC (7.09 mils)		
	07_GND3 (2 oz)		
TU768	DIELECTRIC (4.65 mils)		
	BOTTOM (1 oz + PLATING)	8.37 MIL	-----
TOTAL THICKNESS: 63 mils +/-10%			