



- FABRICATION NOTES:
1. NUMBER OF LAYERS = 4
 2. UNLESS OTHERWISE SPECIFIED THE PRINTED WIRING BOARD SHALL MEET THE REQUIREMENTS OF IPC-6012 CLASS 2.
 3. ACCEPTABILITY TO IPC-A-600 CLASS 2.
 4. MATERIAL:
 - A. TYPE: FR4 OR EQUIVALENT
 - B. RAW Cu WEIGHT OUTER LAYERS: 2 oz.
 - C. RAW Cu WEIGHT INNER SIGNAL LAYERS: 2 oz.
 - D. RAW Cu WEIGHT INNER PLANE LAYERS: 2 oz.
 - E. ☐ H Tg ☐ RgHS ☐ HALOGEN FREE
 5. PROCESSING:
 - A. COPPER THEIVING ALLOWED ON OUTER LAYERS KEEPING A MINIMUM OF 0.200"
 - B. REMOVE ALL UNUSED PADS ON ARTWORK ON ALL INNER LAYERS.
 - C. ETCH DATE CODE AND UL RECOGNIZED VENDOR MARK ON SECONDARY SIDE.
 6. IMPEDANCE:
 - A. USE REQUIREMENTS IN STACKUP. FABRICATOR HAS PERMISSION TO CHANGE THICKNESS AND TRACE WIDTHS IN ORDER TO MEET IMPEDANCE REQUIREMENTS.
 - B. NON-CONTROLLED TRACES TO BE WITHIN 20% OF SPECIFIED APERTURE VALUE IN ARTWORK.
 7. Cu PLATING:
 - A. UNLESS OTHERWISE SPECIFIED, HOLE DIMENSIONS ARE FOR FINISHED HOLES.
 - B. UNLESS OTHERWISE SPECIFIED, HOLE BARREL THICKNESS TO BE 0.001" MIN.
 8. FINISH PLATING: FINISH ALL EXPOSED PADS WITH:
 - ☐ ELECTROLESS NICKEL/IMMERSION GOLD (ENIG)
 - ☐ IMMERSION SILVER (ENG)
 - ☒ TIN/LEAD (HASL)
 - ☐ HARD GOLD OVER NICKEL 30u/80u
 - ☐ WHITE TIN
 - ☐ ORGANIC SOLDERABILITY PRESERVATIVE (OSP)
 - ☐ LEAD FREE HASL
 9. SOLDERMASK:
 - A. LPI GREEN SOLDER MASK OVER BARE COPPER BOTH SIDES.
 - B. SOLDER MASK REGISTRATION TO BE WITHIN +/-0.003" OF RELEVANT LAYER.
 - C. NO MASK TO APPEAR ON PADS
 10. SILKSCREEN:
 - A. USE WHITE NON-CONDUCTIVE INK.
 - B. NO SILKSCREEN TO APPEAR ON PADS.
 11. WARP AND TWIST NOT TO EXCEED .010 INCH/INCH.
 12. MILLING:
 - A. ALL BOARD DIMENSIONS TO BE HELD TO WITHIN 0.005".
 - B. IF NO DIMENSIONS PRESENT, USE BOARD OUTLINE IN DOLPHO (THIS DRAWING) TO FEED DIRECTLY INTO MILLING PROCESSOR.

SIZE	QTY	SYM	PLATED	TOL
13	61	+	YES	+/-0.003
18	361	+	YES	+/-0.003
20	13	+	YES	+/-0.003
28	2	+	YES	+/-0.003
30	201	+	YES	+/-0.003
31.5	4	+	YES	+/-0.003
35	4	+	YES	+/-0.003
38	4	+	YES	+/-0.003
40	64	+	YES	+/-0.003
41	12	+	YES	+/-0.003
42	110	+	YES	+/-0.003
43	10	+	YES	+/-0.003
45	2	+	YES	+/-0.003
51.18	6	+	YES	+/-0.005
52	32	+	YES	+/-0.005
52	4	+	NO	+/-0.005
55	23	+	YES	+/-0.003
60	8	+	YES	+/-0.003
63	24	+	YES	+/-0.003
70.87	3	+	YES	+/-0.003
75	8	+	YES	+/-0.003
76	8	+	YES	+/-0.003
92	2	+	YES	+/-0.003
96	2	+	NO	+/-0.003
110	4	+	YES	+/-0.003
124	2	+	YES	+/-0.003
125	8	+	YES	+/-0.003
137.8	2	+	NO	+/-0.003
141	8	+	YES	+/-0.003
180	9	+	NO	+/-0.003
250	7	+	YES	+/-0.003

REVISIONS				
REV.	REV.	DESCRIPTION	DATE	APPROVED

APPLICATION USED ON NEXT ASSY.		CONTRACT NO. CHK: DESIGN: P.C.: O.C.: C.M.: REL: MFG: ENG.WGR: OTHER: OTHER:	DWN: www.WTSCORP.com 11/14	TEXAS INSTRUMENTS	
MATERIAL: SEE NOTE FINISH: SEE NOTE DO NOT SCALE DRAWING		UNLESS OTHERWISE SPECIFIED 1. TOLERANCES: LINEAR = : 0.26 (.010) ANGULAR = : 0.50° 2. ALL DIMENSIONS ARE IN MM (INCHES). 3. INTERPRET DRAWING IN ACCORDANCE WITH DOD-STD-100.	TITLE: FABRICATION DRAWING, C2000 Solar Micro Inverter, PPD		SIZE B
			SCALE: 1:1	DRAWING NO. C2000SolarMicroInverterPPD	REV: 3.0
			SHEET 1 OF 1		