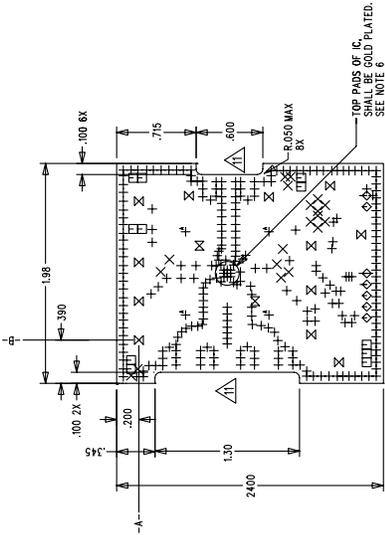


LTC CONFIDENTIAL - For Customer Use Only

DRG. NO. DC499A SH. 1 REV. 3 2 1

REVISION HISTORY		DATE	APPROVED
ECO	REV		
	3		PROTO

DO NOT MODIFY INNER LAYER COPPER BACKOFF OUTLINE.



L1-COMPONENT SIDE

COMPONENT SIDE SHOWN

NOTES: UNLESS OTHERWISE SPECIFIED  
 1. ARTWORK P/N DC499A REV 3.  
 2. FAB PER IPC-A-600  
 3. MATERIAL: GETEK

- FINISHED THICKNESS TO BE .062 +/- .005 INCH WITH 2 OZ. COPPER ON TWO OUTER LAYERS AND 1 OZ. COPPER ON TWO INTERNAL LAYERS.
- FLAMMABILITY RATING: 94 V-0 MINIMUM.
- MINIMUM BOARD THICKNESS: 1.6MM (63 MILS) UNLESS OTHERWISE SPECIFIED.
- OUTER DIELECTRIC THICKNESS: 50-75UM (2.0-3.0 MIL TRACE) TO BE CONTROLLED BY MANUFACTURER.
- TO BE FINALIZED BY MANUFACTURER.
- 5. SIZE: CUT TO DIMENSIONS AND TOLERANCES SHOWN.
- 6. BOARD: SELECTIVE PLATED BOARD. SOLDER
  - a. MASK OVER BARE COPPER.
  - b. WHITE TIN BOTH SIDES.
  - c. GOLD PLATING: (FOR IC PADS ONLY) SECTION 4.0 IN SURFACE PLATING ACCEPTABILITY REQUIREMENTS.
  - d. GOLD PLATING SHALL MEET ANSI/IPC-A-600D, SECTION 4.0, CLASS 3 MINIMUM PLATING THICKNESS REQUIREMENTS (50 um/1.3um thick minimum)
  - e. GOLD PLATING SHALL BE HARD GOLD, TYPE 1 (99.7% gold minimum) GRADE C (Knop hardness 130-200), CLASS 1 (50um/1.3um thick minimum) IN ACCORDANCE WITH MIL-G-45204C.
  - f. SOLDER MASK SHALL MEET PHOTO-IMAGEABLE
  - g. SOLDER MASK SHALL BE GREEN.
  - h. SILKSCREEN COMPONENT SIDE WITH WHITE NON-CONDUCTIVE INK.
  - i. PLATE THRU ALL HOLES WITH COPPER MIN. PLATING THICKNESS: 1 OZ. EXCEPT WHERE PLATING NOT REQUIRED
  - j. ALL HOLES SH ALL BE DRILLED +/- .003 INCH WITH RESPECT TO CTR. OF DRILLED PAD.
  - k. ALL HOLES FINISHED SIZE AFTER PLATING.
  - l. DRUG ALL UNUSED PADS ON INNER LAYERS.
  - m. DO NOT ALTER ARTWORK e.g. TO ADD LOGO OR DATE CODE.
  - n. CONTROLLED 50 OHM IMPEDANCE (AT 2.5GHz FREQ) FOR LAYER 1-2.
  - o. INNER AND OUTER LAYER COPPER SHALL BE EXPOSED IN TWO INSET AREAS ALONG BOARD EDGES.



LAYERING STRUCTURE

HOLE LEGEND

TOLERANCE	SIZE	QTY	SYM	PLTD
+/-0.003	10	271	+	PLTD
+/-0.003	15	19	X	PLTD
+/-0.005	35	11	□	PLTD
+/-0.005	43	7	◇	PLTD
+/-0.005	95	12	⊗	PLTD
+/-0.01	62	2	⊗	NPLTD
+/-0.01	113	4	A	NPLTD

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON ANGLE ±1°  
 2 PLACE ±0.1 3 PLACE ±0.005  
 INTERPRET DIM. AND TOL. PER ASME Y14.5M - 1994

THIRD ANGLE PROJECTION



DO NOT SCALE DRAWING

CONTRACT NO		DATE
APPROVALS	MEI	08/15/02
DRAWN		
CHECKED		
APPROVED		
ENGINEER		

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FAB, LTC5100EUF LASER DRIVER

SIZE CAGE CODE DWG NO DC499A REV 3  
 SCALE 1/1 FILENAME: 499A-3.PCB SHEET 1 OF 1