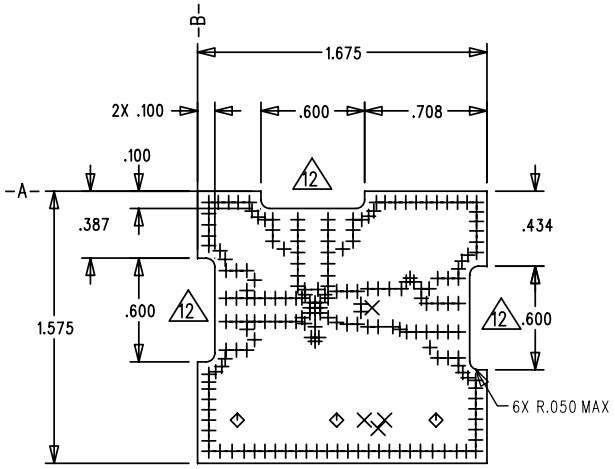
DWG NO	SH	REV
DC651A	1	2

LTC CONFIDENTIAL – For Customer Use Only

REVISION HISTORY

ECO	REV	DESCRIPTION	DATE	APPROVED
	2	PROTO	04/30/03	



COMPONENT SIDE

LAYERING STRUCTURE

HOLE LEGEND

SIZE	TOLERANCE	QTY	SYM	PLTD
.010	+/-.003	192	+	PLTD
.150	+/-.003	4	X	PLTD
.086	+/-.005	3	◇	PLTD

NOTES: UNLESS OTHERWISE SPECIFIED

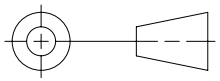
1. ARTWORK P/N DC651A REV 2.
2. FAB PER IPC-A-600
3. MATERIAL: EPOXY FIBERGLASS, NEMA GRADE FR-4
   FINISHED THICKNESS TO BE .062 +/- .005 INCH
   WITH 2 OZ. COPPER ON TWO OUTER LAYERS AND
   1 OZ. COPPER ON TWO INTERNAL LAYERS.
   FLAMABILITY RATING: 94 V-0 MINIMUM .
4. OUTER DIELECTRIC THICKNESS: TARGET 50-OHM USING 30 MIL TRACE. SEE STACKUP DIAGRAM.
5. SIZE: CUT TO DIMENSIONS AND TOLERANCES SHOWN.
   -A- AND -B- ARE PRIMARY DATUMS.
6. BOARD: SELECTIVE PLATED BOARD. SOLDER
   MASK OVER BARE COPPER.
   WHITE TIN BOTH SIDES.
   SOLDER MASK TYPE: WET PHOTO-IMAGEABLE
   THE PCB COLOR: GREEN
   SILKSCREEN BOTH SIDES WITH WHITE NON-
   CONDUCTIVE INK.
   PLATE THRU ALL HOLES WITH COPPER
   MIN. PLATING THICKNESS: 1 OZ. EXCEPT
   WHERE PLATING NOT REQUIRED
7. DRILL: ALL HOLES SHALL BE DRILLED +/-.003 INCH
   WITH RESPECT TO CTR. OF DRILLED PAD.
   ALL HOLES FINISHED SIZE AFTER PLATING.
8. DROP ALL UNUSED PADS ON INNER LAYERS.
9. DO NOT ALTER ARTWORK e.g. TO ADD LOGO OR DATE CODE.
10. CONTROLLED 50 OHM IMPEDANCE(AT 2.5GHz FREQ.) FOR LAYER 1-2.

11 17 MILLS THICKNESS REFLECTS DIELECTRIC CONSTANT OF 4.1 @ 2GHz. SUBJECT TO CHANGE BY MANUFACTURER, DEPENDING ON DIELECTRIC CONSTANT DEVIATIONS.

12 INNER AND OUTER LAYER COPPER SHALL BE EXPOSED IN TWO INSET AREAS ALONG BOARD EDGES. DO NOT MODIFY INNER LAYER COPPER BACKOFF OUTLINE.

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON ANGLE ±1 °
2 PLACE ±.01 3 PLACE ±005
INTERPRET DIM AND TOL
PER ASME Y14.5M – 1994

THIRD ANGLE PROJECTION



DO NOT SCALE DRAWING

CONTRACT NO

APPROVALS		DATE
DRAWN	MEI	04/30/03
CHECKED		
APPROVED		
ENGINEER		

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TITLE
FAB, LT5522EUF DOWN CONVERTING MIXER FOR CATV

SIZE	CAGE CODE	DWG NO	REV
A		DC651A	2

SCALE	FILENAME	SHEET
1/1	651A-2.PCB	1 OF 1