

LTC CONFIDENTIAL - For Customer Use Only

REVISION HISTORY

ECO	REV	DESCRIPTION	DATE	APPROVED
	2	PROTO	10/15/07	

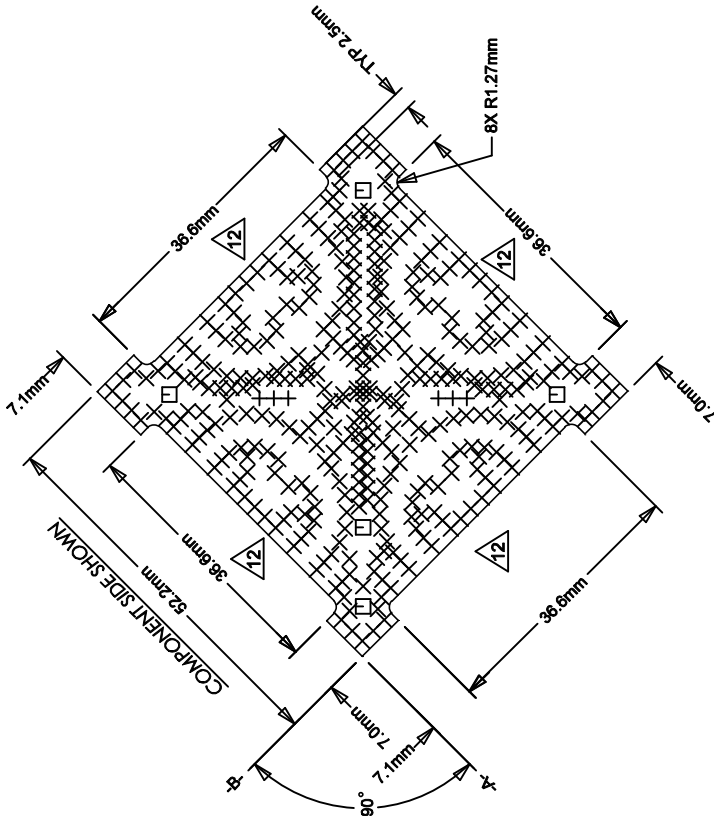
NOTES: UNLESS OTHERWISE SPECIFIED,

- ARTWORK PIN DC1299A REV 2.
- FAB PER IPC-A-600
- PCB SHALL BE RoHS COMPLIANT.
- MATERIAL:
 - LAMINATE: EPOXY FIBERGLASS, NEMA GRADE FR-4
FLAMMABILITY RATING: 94 V-2 MINIMUM.
 - THICKNESS: 1.6 +/- 0.1 mm
 - CLAD: 2 OZ. (50um) EXTERNAL LAYERS.
1 OZ. (25um) COPPER ON TWO INTERNAL LAYERS.
- FINISH:
 - COATING: SOLDERMASK OVER BARE COPPER,
COLOR, GREEN LPI.
 - PLATING: GOLD IMMERSION BOTH SIDES.
 - SILKSCREEN: COMPONENT SIDE WITH WHITE
NON-CONDUCTIVE INK.
- TOLERANCES:
 - WARPAGE: (0.0075mm) MAX. ALONG THE LONGEST DIAG.
AS PER IPC-TM650 METHOD 2.4.22.
 - ETCHING: +0.03mm, -0.3mm OF MASTER PATTERN.
 - REGISTRATION: 0.075mm MAX.
 - MASK THICKNESS: 0.025mm MIN., 0.075mm MAX.
 - HOLE PLATING: 22um +/- 3um.
- SIZE:
 - CUT TO DIMENSIONS AND TOLERANCES SHOWN.
0.00 ARE PRIMARY DATUMS.
 - HOLE DIAMETERS ARE POST-PLATED SIZES.
 - DEBURR AND BREAK ALL SHARP EDGES.
 - DO NOT ALTER ARTWORK e.g. TO ADD LOGO OR DATE CODE.
 - OUTER DIELECTRIC THICKNESS: TARGET 50-OHM USING 0.762mm
TRACE. SEE STACKUP DIAGRAM.
 - CONTROLLED 50 OHM IMPEDANCE(AT 2.5GHz FREQ.)
FOR LAYERS 1-2.
- 13

0.4mm THICKNESS REFLECTS DIELECTRIC CONSTANT OF
4.1@ 2GHz SUBJECT TO CHANGE BY MANUFACTURER,
DEPENDING ON DIELECTRIC CONSTANT DEVIATIONS.

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INNER AND OUTER LAYER COPPER SHALL BE
EXPOSED ALONG BOARD EDGES.



SIZE	QTY	SYM	PLATED	TOL
0.254	377	X	YES	+/-0.08
0.77	6	+	YES	+/-0.08
2.37	5	□	YES	+/-0.13

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ON ANGLE ±1°	
.XX ± 0.25 .XXX ± 0.127	
THIRD ANGLE PROJECTION	
DO NOT SCALE DRAWING	

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DIELECTRIC THICKNESS
TOP approx 0.4mm

LVR1

LVR2

LVR3

LVR4

XXXXXXXXXXXXXXXXXXXX PREPREG XXXXXXXXXXXXXXXX

XXXXXXXXXXXXXXXXXXXX CORE XXXXXXXXXXXXXXXX

XXXXXXXXXXXXXXXXXXXX PREPREG XXXXXXXXXXXXXXXX

XXXXXXXXXXXXXXXXXXXX PREPREG XXXXXXXXXXXXXXXX

LAYERING STRUCTURE

CONTRACT NO.

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN MILLIMETERS
TOLERANCES ON ANGLE ±1°

APPROVALS

DRAWN MI

CHECKED

APPROVED

DESIGNED BY

DATE

06/27/07

THIRD ANGLE PROJECTION

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THIRD ANGLE PROJECTION

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LINEAR TECHNOLOGY

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TITLE

FAB, LTC6420CUDC FAMILY, HIGH SPEED
DUAL ADC DRIVER/AMPLIFIER

SIZE

CAGE CODE

DWG NO.

REV

A

DC1299A

2

SCALE

1/1

FILENAME: 1299A-2.PCB

SHEET

1

OF

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