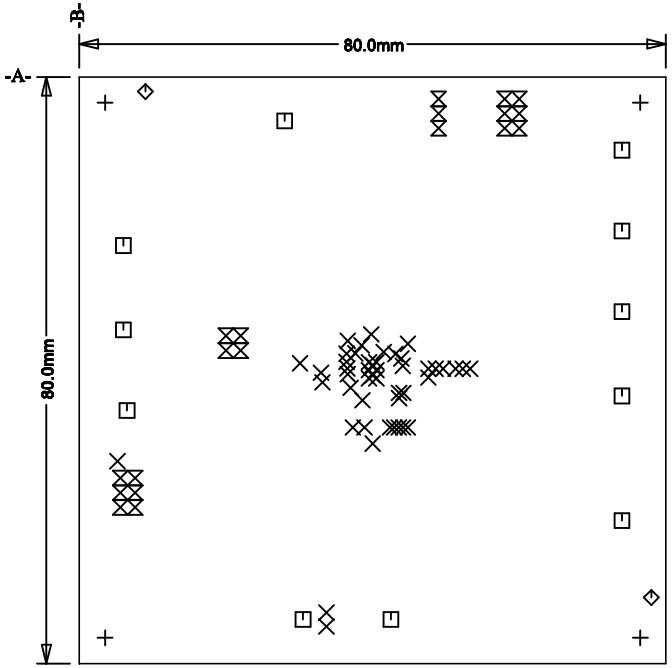
DWG NO	SH	REV
DC1820A	1	4

LTC CONFIDENTIAL - For Customer Use Only



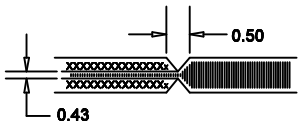
TOP COMPONENT SIDE SHOWN

REVISION HISTORY

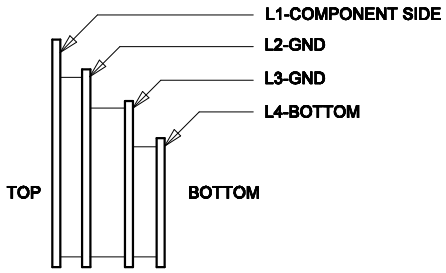
ECO	REV	DESCRIPTION	DATE	APPROVED
	4	PROD	09/21/12	

NOTES: UNLESS OTHERWISE SPECIFIED,

1. ARTWORK P/N DC1820A REV 4.
2. FAB PER IPC-A-600
3. PCB SHALL MEET RoHS COMPLIANCE.
4. MATERIAL:
   - A. LAMINATE: EPOXY FIBERGLASS, NEMA GRADE FR-4 FLAMMABILITY RATING: 94 V-2 MINIMUM .
   - B. THICKNESS: 1.6 +/- 0.1 mm
   - C. CLAD: 2 OZ. (50um) EXTERNAL LAYERS. 1 OZ. (25um) COPPER ON INTERNAL LAYERS.
5. FINISH:
   - A. COATING: SOLDERMASK OVER BARE COPPER, COLOR, GREEN LPI.
   - B. PLATING: GOLD IMMERSION BOTH SIDES.
   - C. SILKSCREEN: COMPONENT SIDE WITH WHITE NON-CONDUCTIVE INK.
6. TOLERANCES:
   - A. WARPAGE: (0.075mm) MAX. ALONG THE LONGEST DIAG. AS PER IPC-TM650 METHOD 2.4.22.
   - B. ETCHING: +0.03mm, -0.3mm OF MASTER PATTERN.
   - C. REGISTRATION: 0.075mm MAX.
   - D. MASK THICKNESS: 0.025mm MIN., 0.075mm MAX.
   - E. HOLE PLATING: 22um +/- 3um.
7. SIZE:
   - A. CUT TO DIMENSIONS AND TOLERANCES SHOWN. 0.00 ARE PRIMARY DATUMS.
8. HOLE DIAMETERS ARE POST-PLATED SIZES.
9. DEBURR AND BREAK ALL SHARP EDGES.
10. DO NOT ALTER ARTWORK e.g. TO ADD LOGO OR DATE CODE.
11. SCORING:



SIZE	QTY	SYM	PLATED	TOL
0.25	47	X	YES	+/-0.08
0.9	19	⧖	YES	+/-0.08
1.8	2	◇	NO	+/-0.13
2.4	11	□	YES	+/-0.13
4.75	4	+	NO	+/-0.13



LAYER STRUCTURE

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS
TOLERANCES ON ANGLE ±1°
.XX ±0.25
.XXX ±0.127

THIRD ANGLE PROJECTION

DO NOT SCALE DRAWING

CONTRACT NO.

APPROVALS	DATE
DRAWN MEI	10/22/07
CHECKED	
APPROVED YAN L.	09/21/12
DESIGNED BY	

LINEAR TECHNOLOGY
1630 McCarthy Blvd. Milpitas, CA 95035
Phone: (408)432-1900 Fax: (408)434-0507

TITLE: FAB, LTC3646EMSE/LTC3646EMSE-1 HIGH EFFICIENCY LOW QUIESCENT CURRENT STEP-DOWN CONVERTER

SIZE	CAGE CODE	DWG NO.	REV
A		DC1820A-A/B	4

SCALE	FILENAME	SHEET
1/1	1820A-4.PCB	1 OF 1