

LTC CONFIDENTIAL - For Customer Use Only

143.0mm

152.0mm

REVISION HISTORY

ECO	REV	DESCRIPTION	DATE	APPROVED
	2	PROD	10/29/13	YINGYI Y.

NOTES: UNLESS OTHERWISE SPECIFIED,  
 1. ARTWORK P/N DC2142A REV 2.  
 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.

LAYER CONSTRUCTION

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

.XX ± 0.25  
 XXX ± 0.127

THIRD ANGLE PROJECTION

DO NOT SCALE DRAWING

SIZE	QTY	SYM	PLATED	TOL
0.25	550	+	YES	+/-0.08
0.9	19	×	YES	+/-0.08
1.4	10	□	YES	+/-0.13
1.8	6	◇	NO	+/-0.13
2.42	12	⊗	YES	+/-0.13
4.75	4	⊗	NO	+/-0.13
4.96	6	⊕	YES	+/-0.13

CONTRACT NO

APPROVALS

DATE	MI
08/14/13	
10/29/13	

DRAWN  
 CHECKED  
 APPROVED  
 ENGINEER YINGYI Y.

LINEAR TECHNOLOGY  
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TITLE  
 FAB, LTC3875EJ / LTC3874EUF, HIGH EFFICIENCY POLYPHASE, SYNCHRONOUS BUCK CONVERTER WITH VERY LOW DCR INDUCTOR

SCALE 1/1  
 FILENAME: 2142A-2.PCB  
 SHEET 1 OF 1