

ECO

REV

DESCRIPTION

APPROVAL

DATE

1

GEORGE Q.

Apr 08, 2013

NOTES: UNLESS OTHERWISE SPECIFIED,
1. ARTWORK P/N DC:1816B REV 1.
2. FAB PER IPC-A-800
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 +/- 0.12 mm
C. CLAD: 2 OZ. (50um) EXTERNAL 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.

154.0mm

65.0mm

TOP SIDE SHOWN
L1-COMPONENT SIDE

SIZE	QTY	SYM	PLATED	TOL
0.25	37	+	YES	+/-0.08
0.9	8	X	YES	+/-0.08
1	2	□	YES	+/-0.08
1.14	2	◇	YES	+/-0.13
1.15	18	⊗	YES	+/-0.13
1.3	12	⊗	YES	+/-0.13
1.4	16	⊕ ^A	YES	+/-0.13
1.5	2	⊕ ^B	YES	+/-0.13
1.8	2	⊕ ^C	NO	+/-0.13
2.45	4	⊕ ^D	YES	+/-0.13

APPROVALS

PCB DES. MI
APP. ENG. GEORGE Q.

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN MILLIMETERS
TOLERANCES ON ANGLE ±1°
XX ±0.25
XXX ±0.127
INTERPRET DIM AND TOL
PER ASME Y14.5M-1994
THIRD ANGLE PROJECTION

1816B

TECHNOLOGY

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FOR CUSTOMER USE ONLY

TITLE: FABRICATION DRAWING,
OFFLINE ISOLATED FLYBACK LED
CONTROLLER WITH PFC

SIZE N/A
IC NO. LT3799EMSE-1
PCB NO. DEMO CIRCUIT 1816B
REV 1

DO NOT SCALE DRAWING
SCALE: NONE
FILENAME: 1816B-Rev1.PCB
SHT 1 of 1