

REVISION HISTORY			
ECO	REV	DESCRIPTION	APP. ENG.
-	3	PRODUCTION	Charlie
			DATE
			2-3-17

PHMODE

2-PH

1-PH

3-PH

JP2

ON

OFF

JP1

GND

E8

TRACK

E7

CLKOUT

E9

PGOOD

E5

M/S

CM/

DCM

SYNC

E6

SYNC

DCM

JP3

VIN

E2

VIN

3.1V-20V

J1

CIN1

GND

J4

E4

GND

E12

LOAD STEP

E10

PULSE GEN

VOUT

1.2V

20A MAX

J2

VO SENSE

E1

J3

GND SENSE

E3

COU12

COU13

COU14

C2

C3

C4

C5

C6

C7

C8

C9

R1

R2

R3

R4

R5

R6

R7

RFB1

U1

U2

U3

U4

U5

U6

U7

U8

U9

U10

U11

U12

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U14

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LINEAR

TECHNOLOGY

www.linear.com

(408) 432-1900

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mm

TOP SIDE

BOTTOM SIDE

PCB

4X STANDOFF, NYLON, SNAP ON.

NOTES: UNLESS OTHERWISE SPECIFIED

1. WORKMANSHIP SHALL BE IN ACCORDANCE WITH IPC-A-610.

2. ASSEMBLY PROCESS SHALL INCLUDE: REFLOW SOLDER TOP SIDE SMD. MAXIMUM SOLDER TEMPERATURE IS 240 DEGREES CELSIUS.

3. PARTS TO OMIT WILL BE SPECIFIED ON THE BILL OF MATERIALS. LOCATIONS OF OMITTED PARTS SHALL BE FREE OF SOLDER. MASK THE SOLDER STENCIL WHERE SMT PARTS ARE OMITTED.

4. INSTALL SHUNTS AS SHOWN ON ASSY DRAWING.

5. DEANELIZE BOARDS AFTER ASSEMBLY AND ROUTE-OUT THE BREAKOUT TABS ON FOUR SIDES OF THE BOARD EDGE.

6. DO NOT APPLY ANY KIND OF ASSEMBLY STAMP OR QA STAMP TO ANY BOARD.

7. INSTALL 4 STANDOFFS AT 4 LOCATIONS AS SHOWN BELOW:

APPROVALS		LINEAR TECHNOLOGY		1630 MCCARTHY BLVD MILPITAS, CA 95035 PH: (408) 432-1900 www.linear.com LTC CONFIDENTIAL - FOR CUSTOMER USE ONLY	
PCB DES.	HZ	TITLE: TOP ASSEMBLY DRAWING		HIGH EFFICIENCY 20A SYNCHRONOUS BUCK REGULATOR	
APP ENG.	Charlie	SIZE		IC NO. LTC7150EY	
		N/A		REV. 3	
SCALE = NONE		FILENAME: DC2411A-3.PCB		SHT 1 OF 2	