

**Linear Technology**  
(408) 432-1900  
www.linear.com

**Demo Circuit 768A**  
**LTC3415EUHF**  
**Dual Phase 15A**  
**Monolithic Synchronous Buck Converter**


**Component Values:**

Component	Value
R1	10k
R2	10k
R3	10k
R4	10k
R5	10k
R6	10k
R7	10k
R8	10k
R9	10k
R10	10k
R11	10k
C1	100nF
C2	100nF
C3	100nF
C4	100nF
C5	100nF
C6	100nF
C7	100nF
C8	100nF
C9	100nF
L1	100uH
L2	100uH

**Test Points:**

Test Point	Location
TP1	VIN
TP2	GND
TP3	ITHM
TP4	ITH
TP5	CLKOUT2
TP6	VOUT
TP7	GND
TP8	TRACK
TP9	CLKIN
TP10	PGOOD
TP11	CLKOUT2
TP12	PHMODE2
TP13	GND

# Assembly Top Drawing

APPROVALS			<div> <b>LINEAR</b> <b>TECHNOLOGY</b></div> <div>1630 McCarthy Blvd. Milpitas, CA 95035 PH: (408)432-1900</div>		
	INIT	DATE			
DRAWN					
CHECK					
DESIGN	RmB				
ENGR	TomG		TITLE: LTC3415EUHF		
			Dual Phase 15A Monolithic Synchronous Buck Converter		
			SIZE	Demo Circuit 768A	REV. 3
			NONE		
SCALE = NONE			DES-230667		SHT 1 of 2