

PLLIN

-12V

+12V

PGND

+5V

TRIG

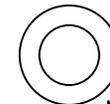
ON  
JP3 OFF  
DLC BIAS

ON  
JP2 OFF  
DLC

R74 R71  
SLOPE SLOPE  
UP DOWN



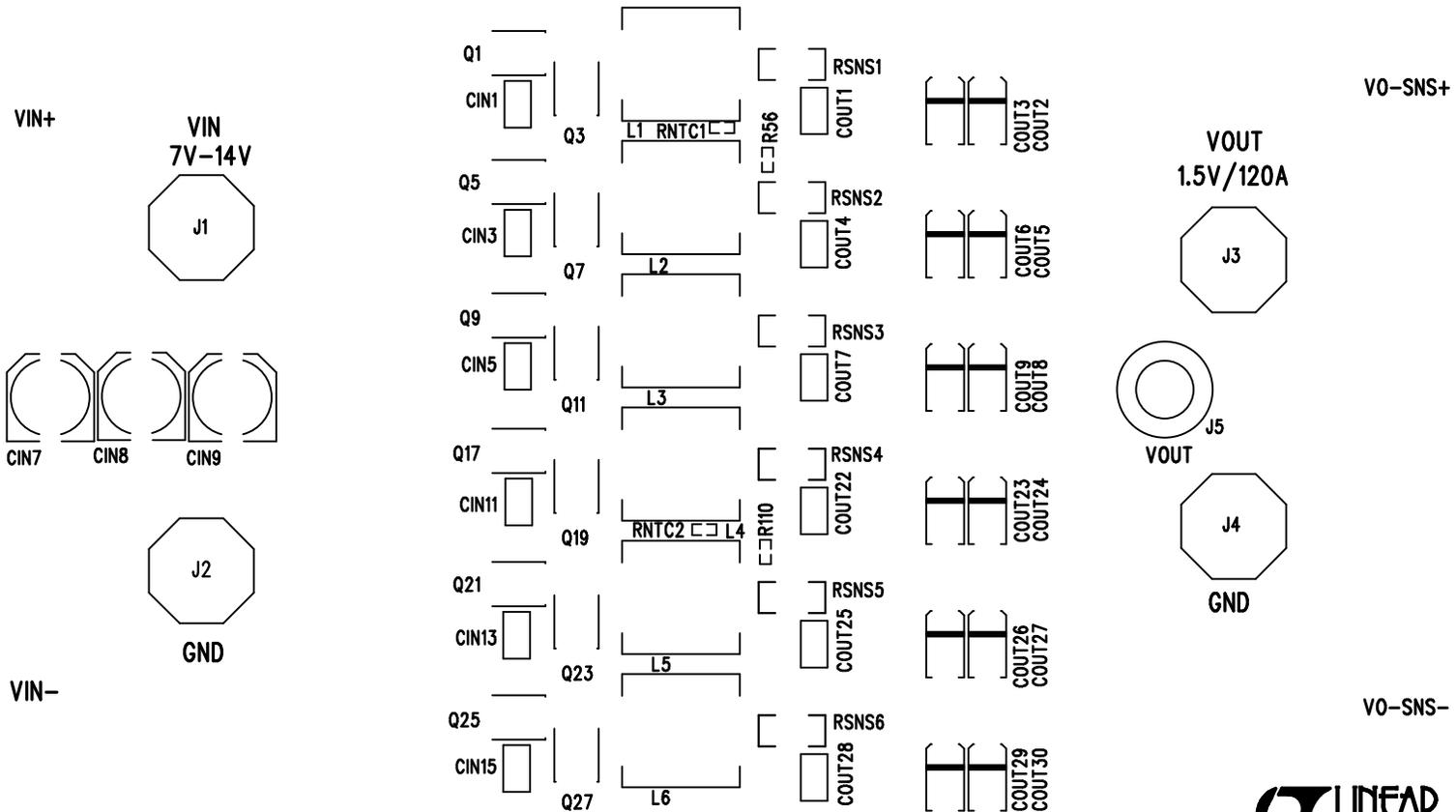
R77  
IMAX  
ADJ



J6  
LOAD STEP

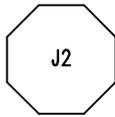
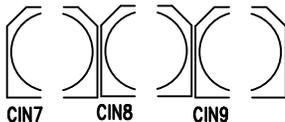
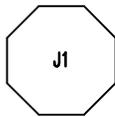
# LTC3829EUHF

## HIGH EFFICIENCY 6-PHASE 120A STEP-DOWN SUPPLY DEMO CIRCUIT 1675A



VIN+

VIN  
7V-14V



GND

VIN-

EXTVCC  
(5.5V MAX)

PGOOD

IFAST1  
ON  
OFF  
JP5

MODE  
STAGE SHEDDING  
BURST/SYNC  
FORCE CONTINUOUS  
JP4

IFAST2  
ON  
OFF  
JP6

CLKOUT

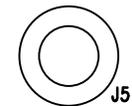
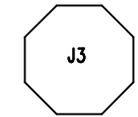
TK/SS

RUN

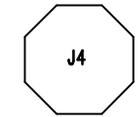
RUN  
ON  
OFF  
JP1

VO-SNS+

VOUT  
1.5V/120A



VOUT



GND

VO-SNS-



(408)432-1900  
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SILKSCREEN TOP

LINEAR TECHNOLOGY  
DC1675A-2-LTC3829EUHF  
HIGH EFFICIENCY 6-PHASE 120A STEP-DOWN SUPPLY  
DATE: 12-01-10