Vin = 18 - 29 Vdc

Vout = 28 Vdc
2.5 A max load,
1 A when 37 V is loaded

Vout = 37 Vdc
1 A max load

2.80k R22
820pF C21
71.5k R16
820pF C21
10.0k R18
0.47uF C20
25V 0.01uF C20

fsw = 100 kHz

MURA120T3G

COQ1

Synchronous Buck

PGND 4
GATE 3
CS 5
FB 8
COMP 6
BIAS 1

MMSD4148T1G

D5

Vin

Win = 37 Vdc

2.5 A max load,
1 A when 37 V is loaded

Engineer: John Dorosa

Contact: http://www.ti.com/support

File:

Orderable: ChangeMe in variant

Designed for: UTC

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Revision/Label Table

REV Notes
A PRELIMINARY DESIGN
B Updated components from rev A, debug
Changed to new transformer spin

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http://www.ti.com/support

Engineer: John Dorosa

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