

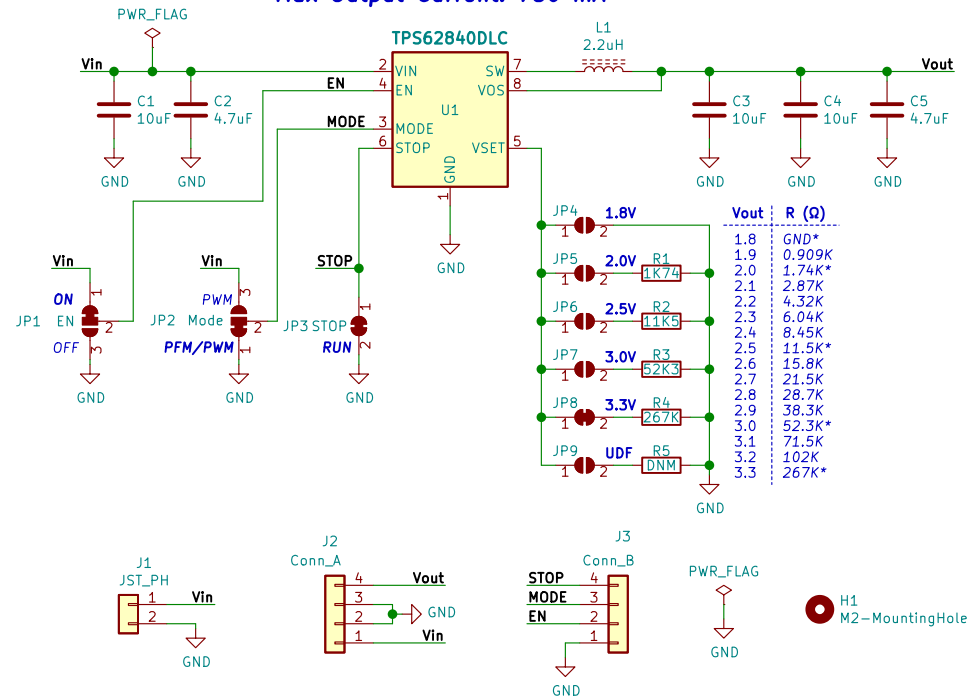
Absolute Maximum Ratings:

		MIN	MAX	UNIT
Pin voltage ⁽²⁾	V _{IN}	-0.3	7	V
	SW (DC)	-0.3	V _{IN} + 0.3	V
	SW (AC), less than 10ns	-2.0	8.5	V
	EN, MODE, STOP	-0.3	6.5	V
	VSET	-0.3	V _{IN} + 0.3 < 3.6	V
	VOS	-0.3	3.7	V
Operating junction temperature, T _J		-40	150	°C
Storage temperature, T _{stg}		-65	150	°C

Recommended Operating Conditions:

		MIN	NOM	MAX	UNIT
V _{IN}	Supply voltage V _{IN}	1.8		6.5	V
L	Effective inductance	1.51	2.2	2.9	μH
C _{OUT}	Effective output capacitance	3	10	40	μF
C _{IN}	Effective input capacitance	1	4.7		μF
C _{VSET}	External parasitic capacitance at VSET pin			100	pF
R _{SET}	Nominal resistance range for external voltage selection resistor (E96 resistor series)	0.909		267	kΩ
	External voltage selection resistor tolerance			1%	
	External voltage selection resistor temperature coefficient			±200	ppm/°C
T _J	Operating junction temperature range	-40		125	°C

Max Output Current: 750 mA



by azerimaker

Sheet: /
File: olmBoard-v1.sch

Title: olmBoard – Ultra-Low-Power Buck Module

Size: A4 Date: 2019-12-03

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Rev: 0.1

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