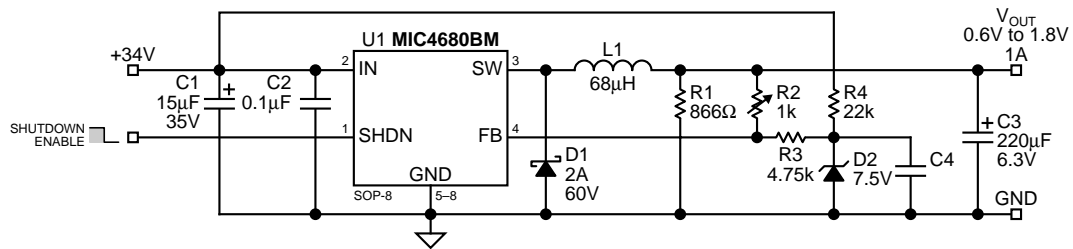


Circuit Performance

- Provides simple switcher solution for low-voltage devices, RISCs processors, etc.
- Core voltages: 1.5V, 1.8V and 0.9V
- Low-cost



Bill of Material

Reference	Part Number	Manufacturer	Description	Qty
C1	TPSD156035R0300	AVX	15µF 35V, tantalum	1
C2, C4	08055C104KAT1A	AVX	0.1µF 50V, ceramic	2
C3	TPSD227006R0100	AVX	220µF 6.3V, tantalum	1
D1	B260A SS26	Vishay-Diode, Inc. (Note 1) GI	Schottky diode, 2A 60V Schottky diode, 2A 60V	1
D2			Zener diode, 7.5V	1
L1	UP2B-680MC	Coiltronics	68µH	1
R1	CRCW08058660FRT1	Vishay-Dale (Note 2)	866Ω 1% 1/4W	1
R2			1k, potentiometer	1
R3	CRCW08054751FRT1	Vishay-Dale (Note 2)	4.75k 1% 1/4W	1
R4	CRCW08052202FRT1	Vishay-Dale (Note 2)	22k 1% 1/4W	1
U1	MIC4680BM	Micrel Semiconductor	1A 200kHz power-SO-8 buck regulator	1

Note 1: Vishay-Diode, Inc. (805) 446-4800

Note 2: Vishay-Dale (402) 371-0080

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