



Figure 1. Adjustable Output Voltage 0.5V to 1.24V at 1.5A

Bill of Materials

Item	Part Number	Manufacturer	Description	Qty
C1	594D226X0020C2T	Vishay-Sprague ⁽¹⁾	22µF, 20V	1
C2	594D337X06R3DT2	Vishay-Sprague ⁽¹⁾	330µF, 6.3V	1
C3	GRM42-6 X7R 334K	Murata ⁽²⁾	0.33µF, 50V	1
C4	VJ0805Y104KXAAB	Vishay-Vitramon ⁽³⁾	0.1µF, 50V	1
D1	SK32A	Micro Commercial ⁽⁴⁾	2A, 30V, Schottky Diode	1
L1	CR105-270MC	Sumida ⁽⁵⁾	27µH, I _{SAT} = 1.76A	1
R1			2.5k, Size 0805 1%	1
R2			1.24k, Size 0805	1
R3			1k, Pot	1
R4			499Ω, size 0805	1
U1	MIC4684BM	Micrel Semiconductor⁽⁶⁾	2A High-Efficiency SuperSwitcher™ Buck Regulator	1
U2	LM4040DIM-2.5	Micrel Semiconductor⁽⁶⁾	Precision Micropower Shunt Voltage Reference	1

1. Vishay-Sprague tel: 207-490-7256
2. Murata tel: 949-916-4000
3. Vishay-Vitramon tel: 203-452-5670
4. Micro Commercial Corp. tel: 800-346-3371
5. Sumida tel: 408-982-9960
6. Micrel Semiconductor tel: 408-944-0800

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