

Bill of Materials

Project Title: **Bill of Materials for Project [Buck_Boost Converter.PrjPcb]** (No PCB Document Selected)
Project File Name: **Buck_Boost Converter.PrjPcb**
Assembly Variant: **None**

Altium
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Part Number	Description	Designator	Manufacture	Manufacture Part Number	Supplier	Supplier Part Number	Supplier Unit Price	Quantity
CMP-05427-0006	Aluminum Electrolytic Capacitors (Radial Lead Type) 1000uF ±20% 25V	C1, C2	Panasonic	EEU-FM1E102	Newark	04M9016		2
CMP-02417-0000	CAP CER 2200PF 760VAC Y5U RADIAL	C3	Vishay BCcomponents	VV1222M47Y5UQ6TV0	Future Electronics	2098949	\$0.63	1
CMP-05427-0008	Aluminum Electrolytic Capacitors (Radial Lead Type) AEC-Q200 Qualified 1000uF ±20% 63V	C4	Panasonic	ECA-1JHG102B	Digikey	10-ECA-1JHG102BCT-ND	\$2.91	1
CMP-00030-4287	MBR20100CT-E3/4W Dual Common-Cathode High-Voltage Schottky Rectifier DIODE ARRAY SCHOTTKY 100V TO220	D1	Vishay Semiconductors	MBR20100CT-E3/4W	Newark	11M5072		1
CMP-2000-05815	PCB Terminal Block, 13.5 A, 400 V, 2-Pin THD, RoHS, Bulk	J1, J2	Phoenix Contact	1729128	Arrow Electronics	1729128	\$1.40	2
CMP-03913-2280	744115 200 µH ±20% Ferrite Toroidal Inductor, 2.2A Idc, 180mO Rdc WE-SI Wurth Electronics 744115	L1	Wurth Electronics	744115	Farnell	3237525	\$3.82	1
CMP-00196-6587	IRFZ44NLPBF Single N-Channel 55 V 17.5 mOhm 63 nC HEXFET® Power Mosfet - TO-262	Q1	Infineon	IRFZ44NLPBF	Newark	6317130		1
CMP-02408-0000	RES 10K OHM 0.6W 1% AXIAL	R1, R2, R4, R5, R6, R7, R8, R11, R13, R15, R17	Vishay Beyschlag	MB802070C1002FCT00	Farnell	1652647	\$0.16	11
CMP-02408-0000	RES 560 OHM 3W 1% AXIAL	R3, R9	Vishay BCcomponents	PAC300005600FAC000	Newark	08R3232		2
CMP-00030-3974	AC05000004701JAC00 VISHAY AC05000004701JAC00 Through Hole Resistor, AC Series, 4.7 kohm, 5 W, 5%, Axial Leaded	R10	Vishay	AC05000004701JAC00	Farnell	1735166	\$0.77	1
CMP-03212-0000	RES 2.2K OHM 5% 1/2W AXIAL	R12, R14	TE Connectivity	CFR50J2K2	Farnell	2329765		2
CMP-07234-0000	TRIMMER 10K OHM 0.25W PC PIN TOP	R16	Bourns	3266W-1-1031F	Avnet	3266W-1-1031F	\$2.66	1
CMP-0319-00147	Pulse-Width-Modulation Control Circuit with Voltage Control, 45 % Duty Cycle, 0 to +70 degC, 16-pin PDIP (N), Pb-Free (RoHS)	U1	Texas Instruments	TL494CN	Digikey	296-1799-5-ND	\$0.79	1
CMP-1310-00098	Single Supply Dual Operational Amplifier, 3 to 32 V, 0 to 70 degC, 8-Pin PDIP, Tube	U2	ON Semiconductor / Fairchild	LM358N				1
							\$13.14	28

Approved	Notes
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