

# Bill of Materials

Bill of Materials for Project [Buck Boost PCB]

Source Data From:

Power\_Distribution.PrjPcb

Project:

Power\_Distribution.PrjPcb

Variant:

None

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Item Number	Designator	Part Number	Footprint	Description	Manufacturer	Quantity
1	C1, C2, C3, C4, C5, C6	EEEEFK1J470P	PNSC-FK-V-F_V	Aluminum Electrolytic Capacitor, 47 uF, +/-	Panasonic	6
2	C7, C8, C9, C10	CGA6M3X7S2A475K200AB	CAPC3225X220X20LL40	Chip Capacitor, 4.7 uF, +/- 10%, 100 V, -55 to	TDK	4
3	C11	12101C105KAT2A	CAPC3325X279X50ML40T25	Chip Capacitor, 1 uF, +/- 10%, 100 V, -55 to 125	AVX	1
4	C12, C13, C18	08055C104JAT2A	CAPC2013X94X50ML20T25	Chip Capacitor, 0.1 uF, +/- 5%, 50 V, -55 to 125	AVX	3
5	C14	0805ZD475KAT2A	CAPC2013X140X50ML20T25		AVX Interconnect / Elco	1
6	C15	08055C474JAT2A	CAPC2013X140X50ML20T25		AVX Interconnect / Elco	1
7	C16	DNF	DNF	DNF	DNF	0
8	C17	12101C105KAT2A	CAPC3325X279X50LL40T25	Chip Capacitor, 1 uF, +/- 10%, 100 V, -55 to 125	AVX	1
9	C19	08055C103JAT2A	CAPC2013X94X50ML20T25		AVX Interconnect / Elco	1
10	D1	150080RS75000	WL-SMCW_0805	WL-SMCW SMT Mono-color Chip LED	Würth Elektronik	1
11	L1	7443631000	WE-HCF-2013	SMD High Current Inductor WE-HCF,	Würth Elektronik	1
12	P1, P2, P3, P4, P5, P6	TLW-102-06-G-D	HDR2X2	Header, 2-Pin, Dual row	Samtec Inc	10
13	Q1, Q2, Q3, Q4	BSC027N04LSGATMA1	INF-PG-TDSON-8-1 V	N-Channel OptiMOS 3 Power-Transistor, 40 V	Infineon	4
14	R1	ERJ-MS4HF10MU	RESC6432X135N	Resistor	Panasonic	1
15	R2	ERJ-6ENF1503V	RESC2013X70X40ML20T20	RES SMD 150K OHM 1% 1/8W 0805	Panasonic	1
16	R3	ERJ-6GEYJ133V	RESC2013X70X40ML20T20		Panasonic	1
17	R4	ERJ-6ENF1693V	RESC2013X70X40ML20T20		Panasonic	1
18	R5	ERJ-6GEYJ333V	RESC2013X70X40ML20T20		Panasonic	1
19	R6	ERJ-MS4SF4M0U	RESC6432X135N	Resistor		1
20	R7	ERA-6AEB103V	RESC2013X60X40ML20T25 A	Metal Film Chip Resistor, High Reliability	Panasonic	1
21	R8	ERJ-6ENF8251V	RESC2013X70X40ML20T20		Panasonic	1
22	R9, R10, R12	ERJ-6GEY0R00V	RESC2013X70X40ML20T20	Chip Resistor, 0 Ohm, +/- 1%, 0.125 W, -55 to	Panasonic	3
23	R11	CRCW0805390RFB EA	RESC2013X50X30ML20T20		Vishay Dale	1
24	R13, R15	DNF	DNF	DNF	DNF	0
25	R14	ERA6AEB104V	RESC2013X60X40ML20T25		Panasonic	1
26	R17	ERA6AEB222V	RESC2013X60X40ML20T25		Panasonic	1
27	U1	LT8390EFE#PBF	SOP65P640X120-29N	DC-DC Switching Controller	Linear Technology/Analog Devices	1

Total Components

49

Approved

Notes