

Description	Designator	Manufacturer	Manufacturer Part Number	Manufacturer Part Number	Quantity	Value
CAP 1uF 25V ±10% 0603 (1608 Metric) Thickness 1mm SMD	C1				1	1uF
CAP 470nF 35V ±10% 0603 (1608 Metric) Thickness 1mm SMD	C2				1	470nF
Capacitor	C3	Panasonic		EEVFK1E222M	1	2200uF
CAP 15nF 10V ±5% 0603 (1608 Metric) Thickness 1mm SMD	C4				1	15nF
CAP 1nF 50V ±2% 0603 (1608 Metric) Thickness 1mm SMD	C5				1	1nF
CAP 2.2nF 25V ±5% 0603 (1608 Metric) Thickness 1mm SMD	C6				1	2.2nF
CAP 220pF 100V ±10% 0603 (1608 Metric) Thickness 1mm SMD	C7				1	220pF
CAP 220nF 14V ±10% 0603 (1608 Metric) Thickness 1mm SMD	C8, C15, C18, C19, C20, C21, C22, C23, C24				9	220nF
CAP 1uF 100V ±20% 1210 (3225 Metric) Thickness 2.0mm SMD	C9, C10				2	1uF
CAP 100nF 25V ±5% 0603 (1608 Metric) Thickness 1mm SMD	C11				1	10nF
Capacitor	C12	Panasonic		EEEFK1E221P	1	220uF
CAP 27nF 25V ±5% 0603 (1608 Metric) Thickness 1mm SMD	C13				1	27nF
CAP 1uF 16V ±5% 0805 (2012 Metric) Thickness 1.45mm SMD	C14				1	1uF
CAP 22uF 16V ±20% 0805 (2012 Metric) Thickness 1.45mm SMD	C16, C17				2	22uF
Capacitor	C25, C26, C27	Panasonic		EEVFK2A331M	3	330uF
Surface Mount Glass Passivated Rectifier, 400 VDC, 1 A, -55 to 150 degC, 2-Pin SMD, RoHS, Tape and Reel	D1	Vishay Semiconductor			1	
LED, SMT, 0603(1608), 1.1mm thickness, Green	DS1, DS3, DS4	Kingbright			4	
LED, SMT, 0603(1608), 1.1mm thickness, Orange	DS5	Kingbright			1	
Fuse	F1				1	
HeatSink	HSNK1	Thermo Electric Devices				TDCX6015 1/TH
Shielded Power Inductor, 15 uH, +/- 20%, 3.8 A, -40 to 125 degC, 2-Pin SMD, RoHS, Tape and Reel	L1	Coilcraft	3432918H-153KL		1	15uH
SMD-Shielded Power Inductor WE-PD, L = 10.0 uH	L2	Coilcraft			1	
	L3				1	
Lightpipe	Lightpipe1					
	Lightpipe2					
	Lightpipe3	Dialight			3	315-1094F
Mega-Fit Right-Angle Header, 2 Circuits, Tin (Sn) Plating, UL 94 V-0, Tray	P1, P3	Molex			16025-2	0002
Header, 5-Pin	P2				1	
Mini-Fit Jr. Header, 4 Circuits, Dual Row, Right-Angle, with Snap-in Plastic Peg PCB Lock, PA Polyamide Nylon 6/6 94V-0, 2.54um Matte Tin (Sn) Plating	P4	Molex			39-30-10040	
Mini-Fit Jr. Header, 2 Circuits, Dual Row, Right-Angle, with Snap-in Plastic Peg PCB Lock, PA Polyamide Nylon 6/6 94V-0, 2.54um Matte Tin (Sn) Plating	P5	Molex			39-30-10020	
Header, 2-Pin	P6				1	
100V NexFET N-ch MOSFET	Q1	Texas Instruments	CSD19534 QSA			CSD19534 QSA
P-CHANNEL ENHANCEMENT MODE MOSFET	Q2	Diodes Incorporated				DMG2307 1L
100V POWERTRENCH N-ch MOSFET	Q3	ON Semiconductor	FDWS8606-F085			FDWS860 168-F085
100K 0.1W 1% 0603 (1608 Metric) SMD	R1				1	100K
86K6 0.1W 1% 0603 (1608 Metric) SMD	R2				1	86K6
3K4 0.1W 1% 0603 (1608 Metric) SMD	R3				1	3K4
10K 0.1W 5% 0603 (1608 Metric) SMD	R4, R33, R34				3	10K
56K 0.1W 1% 0603 (1608 Metric) SMD	R5, R9, R17	Susumu			3	5mR
56K 0.1W 1% 0603 (1608 Metric) SMD	R6, R19				2	56K
23K7 0.1W 1% 0603 (1608 Metric) SMD	R7				1	23K7
9K76 0.1W 1% 0603 (1608 Metric) SMD	R8				1	9K76
28K 0.1W 1% 0603 (1608 Metric) SMD	R10				1	28K
220R 0.1W 5% 0603 (1608 Metric) SMD	R11, R22, R28, R29, R30, R31, R32, R35				8	220R
1K1 0.1W 1% 0603 (1608 Metric) SMD	R12				1	1K1
10K 0.1W 1% 0603 (1608 Metric) SMD	R13, R18, R23				3	10K
464K 0.1W 1% 0603 (1608 Metric) SMD	R14				1	464K
301K 0.1W 1% 0603 (1608 Metric) SMD	R15				1	301K
78K7 0.1W 1% 0603 (1608 Metric) SMD	R16				1	78K7
2K74 0.1W 1% 0603 (1608 Metric) SMD	R20				1	2K74
2K 0.1W 1% 0603 (1608 Metric) SMD	R21				1	2K
61K9 0.1W 1% 0603 (1608 Metric) SMD	R24				1	61K9
20K5 0.1W 1% 0603 (1608 Metric) SMD	R25				1	20K5
100K 0.125W 1% 0805 (2012 Metric) SMD	R26				1	100K
2K7 0.125W 1% 0805 (2012 Metric) SMD	R27				1	2K7
120R 0.125W 5% 0805 (2012 Metric) SMD	R36				1	120R
Wide Range Synchronous Buck Controller		Texas Instruments				