



Comment	Description	Designator	Footprint	LibRef	Quantity
10nF	WCAP-CSGP Ceramic	C1, C12, C47, C48, C4	0805_2x1.25x0.8mm	885012207092	12
15pF	WCAP-CSGP Ceramic	C2, C3	0805_2x1.25x0.6mm	885012007052	2
100nF	WCAP-CSGP Ceramic	C4, C8, C9, C11, C46,	0805_2x1.25x0.8mm	885012207098	6
1nF	WCAP-CSGP Ceramic	C5, C6	0805_2x1.25x0.8mm	885012007063	2
10uF	WCAP-CSGP Ceramic	C7, C10	0805_2x1.25x1.25mm	885012107014	2
50V, 10nF	WCAP-CSGP Ceramic	C13, C14, C15, C16,	0805_2x1.25x0.8mm	885012207092	26
50V, 100nF	WCAP-CSGP Ceramic	C39	0805_2x1.25x0.8mm	885012207098	1
50V, 1uF	WCAP-CSGP Ceramic	C40, C41, C42	0805_2x1.25x1.25mm	885012207103	3
1uF	WCAP-CSGP Ceramic	C43, C44, C45	0805_2x1.25x1.25mm	885012207103	3
Blue	SMT Mono-color Chip	D1, D2	WL-SMCW_0805	150080BS75000	2
Red	SMT Mono-color Chip	D3	WL-SMCW_0805	150080RS75000	1
Yellow	SMT Mono-color Chip	D4, D5, D6, D7, D8, D	WL-SMCW_0805	150080YS75000	12
400W, 5V	WE-TVSP Power TVS	D16	WE-TVSP_DO-214A	824501500	1
Green	SMT Mono-color Chip	D17	WL-SMCW_0805	150080GS75000	1
Bright Green	SMT Mono-color Chip	D18	WL-SMCW_0805	150080VS75000	1
63 V, 0.5A	437A Series Fuse	F1	437 Series	0437.500A	1
560 Ohm	WE-CBA SMD EMI Su	FB1, FB2, FB3, FB4, F	0805_High Current	782853561	15
61300411121	THT Vertical Pin Head	J1	61300411121	61300411121	1
61300611121	THT Vertical Pin Head	J2	61300611121	61300611121	1
43045-0427	Micro-Fit 3.0 Vertical	J3	43045-0427	43045-0427	1
61301311121	THT Vertical Pin Head	J4	61301311121-bottom	61301311121	1
61301021121	THT Vertical Pin Head	J5	61301021121	61301021121	1
61300811121	THT Vertical Pin Head	J6	61300811121-bottom	61300811121	1
BSS308PE	P-Channel OptiMOS P	Q1, Q2, Q3, Q4, Q5,	INF-PG-SOT23_N	BSS308PE	12
10kΩ	Chip Resistor 0805	R1, R63, R64, R65, R6	CR0805	CR0805-JW-103ELF	9
100Ω	Chip Resistor 0805	R2, R44, R45, R46, R4	CR0805	CR0805-FX-1000ELF	14
470Ω	Chip Resistor 0805	R3, R4, R6, R8, R9, R	CR0805	CR0805-FX-4700GLF	17
60.4Ω	Chip Resistor 0805	R5, R7	CR0805	ERA6AEB60R4V	2
2W, 15Ω	SMD Power Resistor,	R20, R21, R22, R23, R	352115RFT	352115RFT	12
1kΩ	Chip Resistor 0805	R32, R33, R34, R35, R	CR0805	CR0805-JW-102ELF	12
4.7kΩ	Chip Resistor 0805	R57, R58, R59, R60, R	CR0805	CR0805-FX-4701GLF	6
10kΩ	NTC Thermistor Lead	RT1, RT2	NXRT15XV103FA1B04	NXRT15XV103FA1B04	2
PIC24HJ128GP502	16-bit Microcontroller	U1	PIC24HJ128GP502	PIC24HJ128GP502	1
ISO1050DW	Galvanically isolated	U2	ISO1050DW	ISO1050DW	1
LTC6811-2	Multicell Battery Moni	U3	LTC6811-2	LTC6811-2	1
R-78HB5.0-0.5 / 173	High efficiency, high i	U4	R-78HB5.0-0.5	R-78HB5.0-0.5	1
1.5 - 13.8 Vin, 3.3 Vo	800-mA Low-Dropou	U5	LM1117IMP3.3	LM1117IMP-3.3/NOPB	1
LTC1296	A DC. Single Chip 12-B	U6	LTC1296	LTC1296	1
20MHz	Industry standard SM	XTAL1	830028710	830028710	1