

Item	Qty	Ref - Des	Desc	Manufacturer's Part Number
1	14	C1-C13,C19	CAP, 1206 100nF 20% 100V X7R	MURATA GCM319R72A104MA37D
2	11	C14,C15,C23-C30,C35	CAP, 0603 1uF 10% 16V X7R	MURATA GCM188R71C105KA64D
3	4	C16,C17,C18,C22	CAP, 0603 100nF 10% 25V X7R	MURATA GCM188R71E104KA57D
4	1	C20	CAP, 0603 220pF 5% 50V NPO	AVX 06035A221JAT
5	3	C21,C32,C34	CAP, 1206 10uF 10% 16V X7R	MURATA GCM31CR71C106KA64L
6	1	C31	CAP, 1206 1uF 10% 100V X7R	MURATA GRM31CR72A105KA01L
7	1	C33	CAP, 1206 1000pF 5% 630V U2J	MURATA GCM31A742J102JX01D
8	3	D1,D2,D3	DIODE, SWITCHING	VISHAY RS07J
9	3	D4,D5,D7	DIODE, SCHOTTKY	DIODES INC. BAT46W
10	1	D6	DIODE, ZENER, 75V	ON SEMI. MMSZ5267BT1G
11	13	D8-D20	DIODE, ZENER 7.5V 200mW SOD323	PHILIPS PDZ7.5B
12	4	D21,D22,D23,D24	DIODE, SWITCHING, DUAL	DIODES INC. BAV99
13	6	E1,E2,E3,E4,E5,E6	TURRET	MILL MAX 2308-2-00-80-00-00-07-0
14	6	JP1,JP2,JP3,JP4,JP5,JP6	SHUNT	SAMTEC 2SN-BK-G
15	6	JP1,JP2,JP3,JP4,JP5,JP6	HEADER,3PIN, 2mm	SAMTEC TMM-103-02-L-S
16	1	J1	HEADER, 1X16 3.5mm, HORIZ.	WEIDMULLER 1761682001
17	2	J2,J3	HEADER, 2X7 2mm	MOLEX 87831-1420
18	12	LED1-LED12	LED, 0603 GREEN	LITE-ON LTST-C190KGKT
19	25	L1-L25	IND, 1210 10 uH 10 % 187 mA SMD	WURTH ELEKTRONIK 74476410
20	1	P1	CONN. MATING 1X16 3.5 HORZ	WEIDMULLER 1615770000
21	10	Q1-Q10	XSTR, MOSFET, P-CHANNEL	RENESAS RQJ0303PGDQALT-E
22	2	Q11,Q12	XSTR, MOSFET, P-CHANNEL	ROMH RTR020P02
23	1	R1	RES, 0603 33.2K OHMS 1% 1/4W	NIC NRC06F3322TRF
24	1	R4	RES, 0603 100 OHMS 5% 1/10W	NIC NRC06F3322TRF
25	15	R5,R7,R9,R11,R13,R15,R17,R19, R21,R23,R25,R27,R29,R30,R69	RES, 0603 100 OHMS 1% 1/10W	NIC NRC06F1000TRF
26	12	R6,R8,R10,R12,R14,R16,R18, R20,R22,R24,R26,R28	RES, 0603 3.3k OHMS 5% 1/10W	NIC NRC06J332TRF
27	3	R31,R32,R70	RES, 0603 10K OHMS 1% 1/10W	NIC NRC06F1002TRF
28	2	R33,R34	RES, 0603 4.99K OHMS 1% 1/10W	NIC NRC06F4991TRF
29	0	R35,R40	RES, 1206 OPTION	OPTION
30	7	R36,R37,R39,R41-R44	RES, 0603 1M OHMS 1% 1/10W	NIC NRC06F1004TRF
31	12	R45-R56	RES, 0603 475 OHMS 1% 1/10W	NIC NRC06F4750TRF
32	12	R57-R68	RES, 2512 33 OHMS 5% 1W	NIC NRC100J330TRF
33	1	T1	XFMR, 1:1:1, 1140uH	PULSE PA0264NL
34	1	U1	IC, BATTERY MONITOR	LINEAR TECH. LT6803IG-3
35	1	U2	IC, Op AMP DUAL	LINEAR TECH LT6004CMS8
36	1	U3	IC, DUAL N-CHANNEL MOSFET DRIVERS	LINEAR TECH. LTC1693-2IS8

37	1	U4	IC, REGULATOR	LINEAR TECH. LT1790BCS6-5
38	1	U5	IC, 24LC025-I/ST	MICROCHIP TECH. 24LC025-I/ST
39	1	U6	IC, 0.25ppm NOISE, LOW DRIFT PRECISION BUFFERED REFERENCE OPTION	LINEAR TECH. LTC6655BHMS8-3.3 OPTION
40	4		STANDOFF, SNAP ON	KEYSTONE_8831