



Comment	Description	Designator	Footprint	Ref	Quantity
CAPACITOR	CAP CER 10UF 25V X7R 1206	C1, C8	CAP_1206_B	GRM31C071E104MA1 JA	2
CAPACITOR	CAP CER 0.1UF 25V X7R 0402, CAP CER 0.1UF 50V X7R 0402, CAP CER 0.1UF 16V X7R 0402, CAP CER 470PF 50V X7R 0402	C2, C4, C6, C7, C11, C12, C13, C14, C15, C16, C17, C18, C21, C22	CAP_0402_B	GRM155R71E104M14 JL GRM155R71H104M1 4B GRM155R71C104KA55 D GRM155R71H47KAJ7 B	14
CAPACITOR	CAP CER 1UF 35V X7R 0805, CAP CER 4.7UF 16V X7R 0805, CAP CER 1UF 50V X7R 0805	C3, C5, C9, C10, C19, C20	CAP_0805_B	GRM219R71A105KA12 B GRM218R71C475KA73 L GRM218R71H105KA0 3K GRM218R71H105KA0 B	6
TVS-B	TVS DIODE 5V 9.2V SOD123	D1_U_balance_cell_1 D1_U_balance_cell_2 D1_U_balance_cell_3 D1_U_balance_cell_4 D1_U_balance_cell_5 D1_U_balance_cell_6	SOD1L371X135_2N	ATV02W050B-HF	6
DiodeZener-KA	DIODE ZENER 5.6V 200MW SOD323	D2_U_balance_cell_1 D2_U_balance_cell_2 D2_U_balance_cell_3 D2_U_balance_cell_4 D2_U_balance_cell_5 D2_U_balance_cell_6	SOD323 FL250K120- 2N	MMZ52Z285-F-F	6
Diode-KA	DIODE GEN PURP 100V 200MA SOD123	D3, D4, D5, D9	SOD123 FL371X135- 2N	MM5D4148T1G	4
TVS-B	TVS DIODE 30V 42.7V DO214AC	D6, D8	DO-214AC- DIOA130X23N	39AL28CA	2
BLUE-AK	LED BLUE CLEAR CHIP SMD	D7	0805-DIOC201208N	LTST-C171TBCT	1
HEATSINK D2PAK	TOP MOUNT HEATSINK 4" D2PAK	H51, H52	HS-D2PAK	57133000000G	2
4x1	CONN HEADER R/A 2POS 2.54MM	J1	CONN_HEADER_RA_2P 2.54MM	80R16-4094EF	1
7x1	CONN HEADER R/A 7POS 2.54MM	J2	57B-4X-A	57B-4X-AQJ73N0	1
MOSFET N-GSD	MOSFET N-CH 20V 1.2A SOT-23, MOSFET N-CH 100V 0.17A SOT- 23	Q1_U_balance_cell_1 Q1_U_balance_cell_2 Q1_U_balance_cell_3 Q1_U_balance_cell_4 Q1_U_balance_cell_5 Q1_U_balance_cell_6	SOT23-99P245X110- 3N	WTR4501NT1G, W0373L	7
MOSFET N-GDS	MOSFET N-CH 100V 1D, 2A3.3	Q2, Q3	OPAM254P1510K470- 8N-GDS	CSD19532KTTT	2
RESISTOR	RES SMD 10 OHM 1% 3W 2512	R1_U_balance_cell_1 R1_U_balance_cell_2 R1_U_balance_cell_3 R1_U_balance_cell_4 R1_U_balance_cell_5 R1_U_balance_cell_6	RES_2512_B	3521188FT	6
RESISTOR	RES SMD 10K OHM 5% 1/10W 0603, RES SMD 1K OHM 5% 1/10W 0402, RES SMD 100K OHM 5% 1/10W 0603, RES SMD 47K OHM 1% 1/10W 0603	R2_U_balance_cell_1 R2_U_balance_cell_2 R2_U_balance_cell_3 R2_U_balance_cell_4 R2_U_balance_cell_5 R2_U_balance_cell_6 R3, R4, R5, R6, R9, R10, R11, R12, R15, R16, R17, R20	RES_0603_B	RC0603UR-0710KL, RC0603UR-071KL, RC0603UR-07100KL, RC0603UR-0747KL	18
RESISTOR	RES SMD 200 OHM 5% 1/4W 1206, RES SMD 3.3K OHM 1% 1/4W 1206	R7, R18	RES_1206_B	RC1206UR-07200KL, RC1206UR-073K3L	2
RESISTOR	RES SMD 10K OHM 1% 1/16W 0402, RES SMD 0 OHM JUMPER 1/16W 0402, RES SMD 4.7K OHM 5% 1/16W 0402, RES SMD 510K OHM 5% 1/16W 0402	R8, R14, R19, R21, R22, R23	RES_0402_B	RC0402FR-0710KL, RC0402FR-070BL, RC0402UR-0747KL, RC0402UR-07510KL	4
THERMISTOR	THERMISTOR NTC 10KOHM 330K 0603	R13	RES_0603_B	WCU180H103F649B	1
TACTILE	SWITCH TACTILE SPST NO 0.05A 12V	SW1	PTS64SS	PTS64SSA45M1892 JFS	1
45	PC TEST POINT NATURAL	TP2	RCU-OC	RCU-OC	1
55	PC TEST POINT NATURAL	TP3	RCU-OC	RCU-OC	1
45	PC TEST POINT NATURAL	TP4	RCU-OC	RCU-OC	1
35	PC TEST POINT NATURAL	TP5	RCU-OC	RCU-OC	1
25	PC TEST POINT NATURAL	TP6	RCU-OC	RCU-OC	1
15	PC TEST POINT NATURAL	TP7	RCU-OC	RCU-OC	1
12V	PC TEST POINT NATURAL	TP8	RCU-OC	RCU-OC	1
10	PC TEST POINT NATURAL	TP9	RCU-OC	RCU-OC	1
INP	PC TEST POINT NATURAL	TP10	RCU-OC	RCU-OC	1
5DA	PC TEST POINT NATURAL	TP11	RCU-OC	RCU-OC	1
5CL	PC TEST POINT NATURAL	TP12	RCU-OC	RCU-OC	1
ALERT	PC TEST POINT NATURAL	TP13	RCU-OC	RCU-OC	1
4x7490x	IC BATT MGMT LI-ION AIE, 80550P	U1	TSSOP50P40X120- 30N	RC07490X0608TR	1
MCU1804	IC REG LINEAR 1.2V 150MA SOT23-3	U2	SOT89-150P415X160- 8N	MCU1804T-C00274MB	1
LTC7001	IC GATE DRVR HIGH- SIDE 10A50C	U3	TSSOP50P40X114-34 5-11N	LTC7001E3M649EF	1
PIC16F18326	IC MCU 8BIT 28KB FLASH 16K27N	U4	OPNSOP40X40X35- MS-17N	PIC16F18326T-I/JC	1