

Part	Quantity	Designator	Description
10kΩ	7	R1, R3, R4, R5, R13, R14, R15	0402 Resistor
10uF	3	C2, C6, C8	0402 Capacitor
4.7uF	3	C3, C4, C5	0402 Capacitor
PMZ550UNEYL	3	Q3, Q4, Q5	PMZ550UNEYL N-Channel 30V 590mA (Ta) 310mW (Ta), 1.67W (Tc) Surface Mount DFN1006-3
100Ω	2	R11, R12	0402 Resistor
1uF	2	C1, C9	0402 Capacitor
5.1MΩ	2	R9, R10	0402 Resistor
CIGT201610EH2R2MNE	2	L1, L2	CIGT201610EH2R2MNE 2.2μH Unshielded Thin Film Inductor 2.5A 87mOhm Max 0806 (2016 Metric)
100nF	1	C7	0402 Capacitor
2.2kΩ	1	R8	0402 Resistor
200Ω	1	R2	0402 Resistor
330Ω	1	R7	0402 Resistor
66.5kΩ	1	R6	0402 Resistor
APTF1616LSEEZGKBKC	1	D1	APTF1616LSEEZGKBKC Red, Green, Blue (RGB) 621nm Red, 525nm Green, 465nm Blue LED Indication - Discrete 1.8V Red, 2.7V Green, 2.7V Blue 0606 (1616 Metric)
BQ29700DSER	1	U5	Battery Battery Protection IC Lithium-Ion/Polymer 6-WSON (1.5x1.5)
BSS84AKM,315	1	Q1	BSS84AKM,315 MOSFET P-CH 50V SOT883
D5V0L1B2LP4-7B	1	D2	D5V0L1B2LP4-7B 14V Clamp 6A (8/20μs) Ipp Tvs Diode Surface Mount X2-DFN1006-2
DA14531	1	U1	DA14531 IC RF TxRx + MCU Bluetooth Bluetooth v5.1 2.4GHz 24- WFQFN, FC
ECH8693R	1	Q2	Mosfet Array 2 N-Channel (Dual) Common Drain 24V 14A 1.4W Surface Mount SOT-28FL/ECH8
ECS-320-8-37B-CKY	1	X1	ECS-320-8-37B-CKY CRYSTAL 32.0000MHZ 8PF SMD
LIR1220	1	BAT1	LIR1220 Battery
LIS3DH	1	U6	LIS3DH ACCEL 2-16G I2C/SPI 16LGA
LM3671	1	U4	LM3671 IC REG BUCK 3.3V 0.6A SYNC 5USMD
MCP73831T-2ACI/MC	1	U3	MCP73831T-2ACI/MC Charger IC Lithium-Ion/Polymer
PCA9570GMH	1	U7	PCA9570GMH I/O Expander 4 I ² C, SMBus 100kHz 8-XQFN (1.6x1.6)
TC2030-CTX-NL	1	P1	TC2030-CTX-NL Tag Connect Cable
W25X20CLUXIG	1	U2	W25X20CLUXIG FLASH Memory IC 2Mb (256K x 8) SPI 104MHz 8- USON (2x3)