





Comment	Description	Designator	Footprint	LibRef	Quantity
100n	Capacitor	C1, C15, C16, C17, C18, C19, C22, C23, C24, C25, C26, C28	C0805_Manual	C	12
1u	Capacitor	C2	C0805_Manual	C	1
680u/200v	Polar capacitor	C3, C8	ECAP_10P26X35V	CPolar	2
47n/2kV	Capacitor	C4, C5	CAP_26.5_L30.5_W13.5	TroughHole_C	2
4.7u/630v	Capacitor	C6	CAP_31_L33_W14.5	TroughHole_C	1
470/25v	Polar capacitor	C7, C10, C14	ECAP_5P10X16V	CPolar	3
4.7n/Y2	Capacitor	C9, C11	Y2_CAP_10_L18_W6	TroughHole_C	2
10u	Capacitor	C12, C13, C20, C21	C0805_Manual	C	4
BAT54S	Schottky barrier (double) diodes	D1, D12	SOT23	BAT54S	2
Warning	Generic LED	D2	LED 5mm	LED	1
P6KE400A		D3, D7	DO204AC	Zener	2
SS16	1A schottky diode	D4, D5, D8, D14	DO214AC_Manual	SS16	4
KBU10M	Diode bridge	D6	KBU10 Diode bridge	Bridge	1
1SMB5915		D9, D15	DO214AA_Manual	Zener	2
P6KE18CA	Zener 2-way	D10, D16	DO204AC-NODIR	Zener 2-way	2
DF04M	Diode bridge	D11	DIP4 Diode bridge	Bridge	1
Status	Generic LED	D13	LED 5mm	LED	1
5A	Fuse	F1	Fuse holder	Fuse	1
Bead	Bead	L1, L2, L3	C0805_Manual	Bead	3
Secondary	WF-2(R)	P1	WF-2	WF-2(R)	1
WF-3	WF-3(R)	P4	WF-3	WF-3(R)	1
SWD	BSVi's SWD Connector	P6	PLS-4 (SKIP 3)	BSVi's SWD Connector	1
Bootloader	Header, 2-Pin	P8	HDR1X2	Header 2	1
IRGP50B60PD1		Q1, Q2	TO247	IgbtD	2
irf7379	P and N mosfets	Q3, Q4	SO8	IRF7105	2
5.1	Resistor	R1, R3, R5, R23, R24	R0805_Manual	R	5
4.7k	Resistor	R2, R7, R10	R0805_Manual	R	3
150	Resistor	R4, R15	R0805_Manual	R	2
47k/2W	Resistor	R6, R8, R9, R20	RES_L19_W5	TroughHole_R	4
620	Resistor	R11, R17	R0805_Manual	R	2
1k	Resistor	R12, R13, R14, R16, R18, R19	R0805_Manual	R	6
5R	Negative temperature coefficient resistor	RT1, RT2	TERMISTOR_7.5_L12_W4.75	NTC	2
CST206-3A		T1	CST206	CST206-3A	1
GDT	GDT	T2	GDT	GDT	1
TH 38/13 G		T3	TH 38/13 G	TH 38/13 G	1
74AC02D	Quadruple 2-Input Positive-NOR Gate	U1	D014_N	SN74HC02D	1
UCC37324	4A dual mosfet driver	U2	SO8	UCC37324	1
LM317	Ajustable voltage regulator	U3, U4	TO220 Bent	LM317	2
stm32f10xCy	STM32 Microcontroller in tqfp48	U5	LQFP48	stm32f10xCy	1
HC-06	Bluetooth module	U7	HC-05	HC-05	1