

Reference	Value	
U1	L7805	
C1	1000u	
C2	100u	
BT1	BS-7-BLUE	
U2	BOB-12009	
BT2	BK-18650-PC6	
J5	B+	
J6	B2	
J7	B1	
J8	B-	
Q1	BC547	
R1	3.3k	
R2		330
U4	Y17P21221FP	
J4	P-	
J10	PROG	
J13	RELAY	
J11	SOLAR	
J9	SENSOR	
J1	GSM SERIAL	
J2	Barrel_Jack_Switch	
D1	D	
J3	P+	
U3	BP	
J14	SWITCH	
J12	RELAYgsm	

Footprint

Package_TO_SOT_THT:TO-220-3_Vertical
Capacitor_THT:CP_Radial_D10.0mm_P5.00mm
Capacitor_THT:CP_Radial_D6.3mm_P2.50mm
BS-7-BLUE:BAT_BS-7-BLUE
BOB-12009:CONV_BOB-12009
BK-18650-PC6:BAT_BK-18650-PC6
Connector_PinHeader_2.54mm:PinHeader_1x01_P2.54mm_Vertical
Connector_PinHeader_2.54mm:PinHeader_1x01_P2.54mm_Vertical
Connector_PinHeader_2.54mm:PinHeader_1x01_P2.54mm_Vertical
Connector_PinHeader_2.54mm:PinHeader_1x01_P2.54mm_Vertical
Package_TO_SOT_THT:TO-92_Inline
Resistor_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P10.16mm_Horizontal
Resistor_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P10.16mm_Horizontal
Y17P21221FP:SW_PVA2EEH21.7NV2
Connector_PinHeader_2.54mm:PinHeader_1x01_P2.54mm_Vertical
Connector_PinSocket_2.54mm:PinSocket_1x04_P2.54mm_Vertical
Connector_PinHeader_2.54mm:PinHeader_1x03_P2.54mm_Vertical
TerminalBlock_Phoenix:TerminalBlock_Phoenix_MKDS-1,5-2-5.08_1x02_P5.08mm_Horizontal
TerminalBlock_Phoenix:TerminalBlock_Phoenix_MKDS-1,5-4-5.08_1x04_P5.08mm_Horizontal
Connector_PinHeader_2.54mm:PinHeader_1x03_P2.54mm_Vertical
Connector_BarrelJack:BarrelJack_Horizontal
Diode_THT:D_5W_P12.70mm_Horizontal
Connector_PinHeader_2.54mm:PinHeader_1x01_P2.54mm_Vertical
blue-pill-kicad-master:blue_pill
TerminalBlock_Phoenix:TerminalBlock_Phoenix_MKDS-1,5-2-5.08_1x02_P5.08mm_Horizontal
TerminalBlock_Phoenix:TerminalBlock_Phoenix_MKDS-1,5-3-5.08_1x03_P5.08mm_Horizontal

General Names

7805 Regulator
1000uF 25V Capacitor
100uf 16v Capacitor
Coin Cell Holder FOR PCB
Level Shifter
18650 3s Battery holder 6 pin for PCB
Pinheader_1x1
Pinheader_1x1
Pinheader_1x1
Pinheader_1x1
547 transistor
3.3k Ohms Resistor
330 Ohms Resistor
Switch 7mm SPDT for PCB
Pinheader_1x1
Female_header_1x4
Pinheader_1x3
Terminal_block_1x2
Terminal_block_1x4
Pinheader_1x3 Long
Do not add
Diode IN4007
Pinheader_1x1
Blue pill stm32F103C8 or CB not C6
Terminal_block_1x2
Pinheader_1x3