

Reference	Quantity	Value	Footprint	Datasheet	Type	Voltage
C16 C18 C21	3	4u7	Capacitor_SMD:C_1206_3216Metric	~	X7R	16V
C17	1	2u2	Capacitor_THT:CP_Radial_D4.0mm_P2.00mm	~		25V
C19 C20	2	12p	Capacitor_SMD:C_0603_1608Metric_Pad1.05x0.95mm_HandSolder	~	X7R	16V
C22	1	100nF	Capacitor_SMD:C_0603_1608Metric	~	X7R	16V
C1 C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12 C13 C14 C15	15	100nF	Capacitor_SMD:C_0603_1608Metric_Pad1.05x0.95mm_HandSolder	~	X7R	16V
D1 D2	2	LED	LED_SMD:LED_0805_2012Metric_Pad1.15x1.40mm_HandSolder	~		
FB1	1	150R	Resistor_SMD:R_0603_1608Metric_Pad1.05x0.95mm_HandSolder	~		
J1	1	Conn_01x09	Connector_PinHeader_2.54mm:PinHeader_1x09_P2.54mm_Vertical	~		
J2	1	Power_Conn	TerminalBlock_4Ucon:TerminalBlock_4Ucon_1x02_P3.50mm_Horizontal	~		
J4	1	Conn_ARM_JTAG_SWD_10	Connector_PinHeader_1.27mm:PinHeader_2x05_P1.27mm_Vertical_SMD			
J5	1	Conn_01x03	Connector_PinHeader_2.54mm:PinHeader_1x03_P2.54mm_Vertical	~		
J6	1	Conn_02x05_Odd_Even	Connector_PinHeader_1.27mm:PinHeader_2x05_P1.27mm_Vertical_SMD	~		
R17 R18	2	330R	Resistor_SMD:R_0603_1608Metric_Pad1.05x0.95mm_HandSolder	~		
R2 R7 R10 R11 R12 R13 R16 R19 R20	9	10k	Resistor_SMD:R_0603_1608Metric_Pad1.05x0.95mm_HandSolder	~		
R1 R4 R5 R6 R8 R9 R14 R15	8	10R	Resistor_SMD:R_0603_1608Metric_Pad1.05x0.95mm_HandSolder	~		
SW1	1	SW_Push	Button_Switch_SMD:SW_Push_1P1T_NO_CK_KMR2	~		
U1	1	MCP3564	Package_SO:TSSOP-20_4.4x6.5mm_P0.65mm			
U2	1	MAX6070	Package_TO_SOT_SMD:SOT-23-6_Handsoldering			
U3	1	STM32F373CCT6	Package_QFP:LQFP-48_7x7mm_P0.5mm			

U4	1	TC1108-3.3VDBTR	Package_TO_SOT_SMD:SOT-223-3_TabPin2
U5	1	MPE1205S-1W	simonmartin_kicad_lib:Converter_DCDC_multicorp_THT
X1	1	ECS-2520MVL049-BN	Oscillator:SMD_ECS_2520MV-xxx-xx-4Pin_2.5x2.0mm
Y1	1	Crystal_GND24	Crystal:Crystal_SMD_TXC_7M-4Pin_3.2x2.5mm ~