

Comment	Designator	Footprint	LCSC	Quantity	Notes
100n	C2,C9	Capacitor_SMD	C49678		
5k1	R1	Resistor_SMD	C27834		
3k6	R2	Resistor_SMD	C18359		
3k	R3	Resistor_SMD	C17661		
100k	R4,R5,R6,R7,R12,R13,R14,R15	Resistor_SMD	C17407		
30k	R8,R9,R16,R17	Resistor_SMD	C17621		
TL431DBZ	U1	Package_TO	C23892		
MCP6004	U2	Package_SO	C7378		
LD1117S33TR	U4	Package_TO	C35879		
Thonkiconn 3.5mm mono jack	CH1,CH2,CH3,CH4	kicad_libraries:Thonkiconn		4	Thonkiconn 3.5mm mono jack
SW_Push	SW1,SW2,SW3,SW4,SW5	Button_Switch_THT:SW_PUSH_6mm		5	6mm push switch
10u	C1,C7,C8	Capacitor_THT:CP_Radial_D5.0mm_P2.50mm		3	Power filtering capacitor - solder on rear of board
1N5817	D1,D2	Diode_THT:D_DO-41_SOD81_P10.16mm_Horizontal		2	Reverse connection protection diodes - solder on rear of board
2x5 Pin Header	J1	Connector_IDC:IDC-Header_2x05_P2.54mm_Vertical		1	Power
YAAJ_BluePill	U3	kicad_libraries:YAAJ_BluePill_2		1	STM32F103C8T6 Blue Pill board
1x20 Pin Header Socket				2	Pin Header Sockets for Blue Pill - solder on rear of board
OLED	J2	Connector_PinHeader_2.54mm:PinHeader_1x07_P2.54mm_Vertical		1	128x128 SPI RGB OLED Screen based on SSD1351
Kapton tape					To insulate rear of OLED screen
M3x12 Bolt				2	Black plastic is best. For OLED screen standoff
M3 Nut				4	Black plastic is best. For OLED screen standoff