Comment	Designator	Footprint	LCSC	Quantity	Notes
100n	C2,C9	Capacitor_SMD:C_0805_2012MetricVal	C49678	2	
5k1	R1	Resistor_SMD:R_0805_2012MetricValue	C27834	1	
3k6	R2	Resistor_SMD:R_0805_2012MetricValue	C18359	1	
3k	R3	Resistor_SMD:R_0805_2012MetricValue	C17661	1	
100k	R4,R5,R6,R7,R12,R13,R14, R15	Resistor_SMD:R_0805_2012MetricValue	C17407	8	
30k	R8,R9,R16,R17	Resistor_SMD:R_0805_2012MetricValue	C17621	4	
TL431DBZ	U1	Package_TO_SOT_SMD:SOT-23	C23892	1	
MCP6004	U2	Package_SO:SOIC-14_3.9x8.7mm_P1.27mm	C7378	1	
LD1117S33TR	U4	Package_TO_SOT_SMD:SOT-223-3_TabPin2	C35879	1	
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 - solder on rear of board
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
1x7 Pin Header				1	for OLED screen
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