

Id	Designator	Footprint	Quantity	Designation	Markings
1	U1	PinSocket_1x20_P2.54mm_Horizontal	2	Pin sockets for Bluepill Board 20 pin right angle 2.54mm pin pitch	Black, 20 pin socket
2	U1	PinHeader_1x20_P2.54mm_Horizontal	2	Pinheaders that come with the bluepill board	Yellow
3	U1	stm32f103c8t6-module-china-smd	1	BluePill board stm32f103c8t6	
4	R1	R_Axial_DIN0207_L6.3mm_D2.5mm_P7.62mm_Horizontal	1	330Ω	Orange Orange Black Black Brown
5	R2	R_Axial_DIN0207_L6.3mm_D2.5mm_P7.62mm_Horizontal	1	3.3kΩ	Orange Orange Black Brown Brown
6	R3	R_Axial_DIN0207_L6.3mm_D2.5mm_P7.62mm_Horizontal	1	33kΩ	Orange Orange Black Red Brown
7	R8	R_Axial_DIN0207_L6.3mm_D2.5mm_P7.62mm_Horizontal	1	200k	Red Black Black Orange Brown
8	C2	C_Disc_D3.0mm_W1.6mm_P2.50mm	1	4.7nF	473 (smaller, orange/tan)
9	C1	C_Disc_D3.0mm_W1.6mm_P2.50mm	1	220nF	224 (larger, red)
10	D2,D1	D_DO-35_SOD27_P7.62mm_Horizontal+SMD	2	1N4148	
11	AMP1	3-2-4 pinheader for Amplifier board	1	Modified pinheader	A pinheader with some pins removed to fit the amplifier board.
12	AMP1	GF1002-PAM8403_Amplifier_Module_w_bottom_pins	1	GF1002-PAM8403 Amp board	
13	J3	Jack_3.5mm_PJ-307A_Horizontal	1	3.5mm audio jack with switch	
14	LS1	Speaker 40mm	1	Speaker 40mm	
15	J4	PinHeader_1x03_P2.54mm_Horizontal	1	Optional pinheader for LED Ring	Black, 3pin right angle
16	RGB1	LED RING 16 WS2812B 48mm	1	WS2812B 16 LED Ring with wire	
17		Bodge wire 57mm	1	Connect from LED 3.3V to bluepill 3.3v	
18	J9	PinHeader_1x02_P2.54mm_Vertical	1	3xAA Battery Holder with wire	
Optional					
	J2	SW_Slide_SPDT_Angled_CK_OS102011MA1Q	1	Power Switch (not included)	