Component Count: 87

Item	Qty	Reference(s)	Value	Footprint
1	1	C1	22uF	Capacitor_SMD:CP_Elec_5x5.4
2	1	C2	1nF	Capacitor_SMD:C_0603_1608Metric_Pad1.08x0.95mm_HandSolder
3	2	C3, C5	100n	Capacitor_SMD:C_0603_1608Metric_Pad1.08x0.95mm_HandSolder
4	1	C4	1u	Capacitor_SMD:C_0603_1608Metric_Pad1.08x0.95mm_HandSolder
5	1	C6	10u	Capacitor_SMD:C_0603_1608Metric_Pad1.08x0.95mm_HandSolder
6	3	C7, C8, C10	100nF	Capacitor_SMD:C_0603_1608Metric_Pad1.08x0.95mm_HandSolder
7	1	C9	470p	Capacitor_SMD:C_0603_1608Metric_Pad1.08x0.95mm_HandSolder
8	1	D2	LED_Small	LED_SMD:LED_0603_1608Metric_Pad1.05x0.95mm_HandSolder
9	1	D3	G1	LED_SMD:LED_0603_1608Metric_Pad1.05x0.95mm_HandSolder
10	1	D4	G2	LED_SMD:LED_0603_1608Metric_Pad1.05x0.95mm_HandSolder
11	1	D5	G3	LED_SMD:LED_0603_1608Metric_Pad1.05x0.95mm_HandSolder
12	1	D6	G4	LED_SMD:LED_0603_1608Metric_Pad1.05x0.95mm_HandSolder
13	1	D7	G5	LED_SMD:LED_0603_1608Metric_Pad1.05x0.95mm_HandSolder
14	1	D8	G6	LED_SMD:LED_0603_1608Metric_Pad1.05x0.95mm_HandSolder
15	1	D9	G7	LED_SMD:LED_0603_1608Metric_Pad1.05x0.95mm_HandSolder
16	1	D10	G8	LED_SMD:LED_0603_1608Metric_Pad1.05x0.95mm_HandSolder
17	1	D11	O1	LED_SMD:LED_0603_1608Metric_Pad1.05x0.95mm_HandSolder
18	1	D12	O2	LED_SMD:LED_0603_1608Metric_Pad1.05x0.95mm_HandSolder
19	1	D13	O3	LED_SMD:LED_0603_1608Metric_Pad1.05x0.95mm_HandSolder
20	1	D14	O4	LED_SMD:LED_0603_1608Metric_Pad1.05x0.95mm_HandSolder
21	1	D15	R1	LED_SMD:LED_0603_1608Metric_Pad1.05x0.95mm_HandSolder
22	1	D16	R2	LED_SMD:LED_0603_1608Metric_Pad1.05x0.95mm_HandSolder
23	1	D17	R3	LED_SMD:LED_0603_1608Metric_Pad1.05x0.95mm_HandSolder
24	1	D18	R4	LED_SMD:LED_0603_1608Metric_Pad1.05x0.95mm_HandSolder
25	6	H1, H2, H3, H4, H5, H6	MountingHole_Pad	MountingHole:MountingHole_3.2mm_M3_DIN965_Pad
26	1	J1	Conn_01x02	Connector_JST:JST_XH_B2B-XH-A_1x02_P2.50mm_Vertical
27	1	J2	Conn_02x07_Odd_Even	Connector_PinHeader_1.27mm:PinHeader_2x07_P1.27mm_Vertical_SMD
28	2	J3, J4	Conn_01x03	Connector_JST:JST_XH_B3B-XH-A_1x03_P2.50mm_Vertical
29	20	R1, R2, R3, R13, R18, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34	1K	Resistor_SMD:R_0603_1608Metric_Pad0.98x0.95mm_HandSolder
30	2	R4, R7	1k	Resistor_SMD:R_0603_1608Metric_Pad0.98x0.95mm_HandSolder
31	7	R5, R6, R8, R11, R12, R14, R16	10K	Resistor_SMD:R_0603_1608Metric_Pad0.98x0.95mm_HandSolder
32	2	R9, R10	1M	Resistor_SMD:R_0603_1608Metric_Pad0.98x0.95mm_HandSolder
33	2	SW1, SW10	SW_DIP_x01	Button_Switch_SMD:SW_DIP_SPSTx01_Slide_Copal_CHS-01B_W7.62mm_P1.27mm
34	10	SW2, SW3, SW4, SW5, SW6, SW8, SW9, SW11, SW12, SW13	SW_Push	Button_Switch_SMD:SW_SPST_B3S-1000
35	1	SW7	SW_SPST	Button_Switch_SMD:SW_SPST_B3S-1000
36	1	U1	STM32L412KBTx	Package_QFP:LQFP-32_7x7mm_P0.8mm
37	1	U2	nRF24_Full	Connector_PinHeader_2.54mm:PinHeader_2x04_P2.54mm_Vertical
38	1	U3	MIC5219-3.3YMM	Package_SO:MSOP-8_3x3mm_P0.65mm
39	1	U4	PCA9685PW	Package_SO:TSSOP-28_4.4x9.7mm_P0.65mm
40	2	U5, U6	PCF8574TS	Package_SO:SSOP-20_4.4x6.5mm_P0.65mm