

MBot Control Board V1.0

ID	Name	Designator	Footprint	Quantity
1	200kΩ	R26	R0402	1
2	DRV8876PWPR	DRV0,DRV1,DRV2	HTSSOP-16_L5.0-W4.4-P0.65-LS6.4-BL-EP	3
3	X6521WV-2x03H-C30D60	J1	HDR-TH_6P-P2.54-V-M-R2-C3-S2.54	1
4	49.9kΩ	R27	R0402	1
5	2.54-1*4P母	P2	HDR-TH_4P-P2.54-V-F	1
6	Header-Male-2.54_1x4	J14,J7,J8,J10,J11,J12,J13	HDR-TH_4P-P2.54-V-M-1	7
7	220nF 25V	C1,C24,C25	C0603	3
8	220nF	C2,C3,C6	C0603	3
9	22nF	C4,C5,C7	C0603	3
10	100nF	C8,C9,C10	C0603	3
11	1uF	C11	C0402	1
12	220nF	C12,C13,C15,C16,C17,C18	C0402	6
13	470nF	C14	C0402	1
14	100uF 35V	C19	CAP-SMD_BD6.3-L6.6-W6.6-LS7.6-FD	1
15	22uF 25V	C20,C21,C22,C23,C26	C0805	5
16	SS54_C22452	D1,D2	SMA_L4.4-W2.8-LS5.4-R-RD	2
17	Header-Male-2.54_1x6	J2,J3	HDR-TH_6P-P2.54-V-M-1	2
18	Header-Male-2.54_1x6	J4,J5,J6	HDR-TH_6P-P2.54-V-M	3
19	B3B-ZR-(LF)(SN)	J9	CONN-TH_B3B-ZR	1
20	TJ-S1608SW6TGLC2R-A5	LED1,LED2	LED0603-R-RD_RED	2
21	RED	LED3	LED0603-R-RD_RED	1
22	Header-Female-2.54_1x20	P1,P3	HDR-TH_20P-P2.54-V-F	2
23	1k	R1,R3,R5,R6,R11,R13	R0603	6
24	10K	R2,R4,R12	R0603	3
25	220Ω	R7,R14,R8	R0603	3
26	20K	R9,R10,R15	R0603	3
27	1.8k	R16,R17,R18,R19,R20,R21	R0603	6
28	4.7K	R22,R23,R24,R25	R0402	4
29	10kΩ	R28,R29	R0603	2
30	75kΩ	R30	R0603	1
31	470Ω	R31	R0402	1
32	SN74LVC1G19DBVR	U2	SOT-23-6_L2.9-W1.6-P0.95-LS2.8-BL	1
33	BMP280	U7	SENSOR-TH_BMP280-BL	1
34	BMM150	U8	WLCSP-12_L1.6-W1.6-BMM150	1
35	MB85RC04V	U9	SOIC-8_L5.0-W4.0-P1.27-LS6.0-BL	1
36	TPS7B6950DBVR	U10	SOT-23-5_L3.0-W1.7-P0.95-LS2.8-BL	1
37	TPS565201DDCR	U11	TSOT-23-6_L2.9-W1.6-P0.95-LS2.8-BL	1
38	TF-01A_C2889258	CARD1	TF-SMD_TF-02	1
39	Blue	LED4	LED0603-RD_BLUE	1
40	DC-005-A200	DC1	DC-IN-TH_DC-005-A200	1
41	X6511WV-03H-C30D60	H1	HDR-TH_3P-P2.54-V-M	1
42	LM4040CIM3-3.0/NOPB	U1	SOT-23-3_L2.9-W1.6-P1.90-LS2.8-BR	1
43	0466005.NR	F1	F1206	1
44	2.2uH	L1	IND-SMD_L5.2-W5.1	1
45	DSHP03TS-S	SW2	SW-SMD_DSHP03TS-S	1
46	KF396-3.96-2P	CONN1	CONN-TH_P3.96_KF396-3.96-2P	1
47	YTS-A011-1B	SW1	SW-SMD_L4.0-W3.0-LS4.6	1
48	BHI160B	U6	LGA-24_L3.0-W3.0-P0.40-TL	1