

ID	Name	Designator	Footprint	Quantity	Manufacturer Part	Manufacturer	Supplier	Supplier Part	LCSC Assembly
1	Header-Male-2.54_2x10	H2	HDR-TH_20P-P2.54-V-R2-C10-S2.54	1	?		LCSC	C62032	
2	10K	R1,R2,R3,R4,R5,R6,R7,R8,R9,R16,R17,R18	0402	12	RC0402FR-0710KL	YAGEO	LCSC	C60490	
3	NCP3020ADR2G	U4	SOIC-8_L4.9-W3.9-P1.27-LS6.0-BL	1	NCP3020ADR2G	ON Semicon	LCSC	C457728	
4	TS6645TP	BTN_UP,BTN_LEFT,BTN_ENTER,BTN_RIGHT,BTN_DOWN	SW-SMD_4P-L6.2-W6.2-P4.50-LS9.0	5	TS6645TP	SHOU HAN	LCSC	C393947	
5	3.9K	R12	0603	1	AC0603FR-073K9L	YAGEO	LCSC	C144659	
6	1nF	C22,C23	0603	2	CL10B102KB8NNNC	SAMSUNG	LCSC	C1588	Yes
7	FXAS21002CQR1	U3	FXAS21002CQR1	1	FXAS21002CQR1	NXP	LCSC	C110805	
8	MTP125-1103S1	I2C_VOLT	HDR-TH_3P-P2.54-V	1	MTP125-1103S1	MINTRON	LCSC	C358685	
9	Header-Female-2.54_2x4	3V,5V,6V,BATTERY	HDR-TH_8P-P2.54-V-R2-C4-S2.54	4	220S-2*4P H=8.5MM Ytype Gold-plated	Ckmtw	LCSC	C124422	
10	Header-Male-2.54_1x3	SERVO1,SERVO2	HDR-TH_3P-P2.54-V	2	Header2.54mm 1*3P	BOOMELE	LCSC	C49257	
11	BSS306NH6327XTSA1	Q1,Q2	SOT-23-3_3PIN-L3.04-W2.60-PITCH0.95-BL	2	BSS306NH6327XTSA1	Infineon Technologies	LCSC	C152432	
12	DSWB01LHGET	SW7	DSWB01LHGET	1	DSWB01LHGET	KE	LCSC	C126888	
13	Header-Female-2.54_1x5	CAM1,CAM2,GPIO	HDR-5X1/2.54	3	2.54mm 1*5p Female header	BOOMELE	LCSC	C50950	
14	ORH-B36G	LED_6V,LED_BAT	LED-0603	2	ORH-B36G	Orient	LCSC	C193191	Yes
15	100uH	L1	10145	1	SLF10145T-101M1R0-PF	TDK	LCSC	C91528	
16	100nF	C1,C2,C3,C4,C5,C6,C7,C8,C9,C10,C11,C14,C15,C16,C17,C18,C19,C24,C25,C26,C27,C28,C29,C31,C32,C30,C33	0603	27	0603B104M250	WTC	LCSC	C107569	
17	A2541HWV-2P	ADC	HDR-TH_2P-P2.54-V_A2541HWV-2P	1	A2541HWV-2P	Changjiang Connectors	LCSC	C225499	
18	4.7K	R13	0402	1	RC0402FR-074K7L	YAGEO	LCSC	C105871	
19	1K	R10,R14,R15,R19,R20,R21,R22,R25,R30,R26,R27,R28,R29	0402	13	RC0402FR-071KL	YAGEO	LCSC	C106235	
20	5K	R11	RES-ADJ_3362P	1	3362P-1-502LF	BOURNS	LCSC	C81260	
21	Header-Female-2.54_2x10	P1	HDR-10X2/2.54	1	2.54mm,2×10Double row female	BOOMELE	LCSC	C30867	
22	PCA9555PW,118	U5	TSSOP-24_L7.8-W4.4-P0.65-LS6.4-BL	1	PCA9555PW,118	NXP	LCSC	C128392	Yes
23	Header-Male-2.54_2x6	P4	HDR-TH_12P-P2.54-V-R2-C6-S2.54	1	?		LCSC	C66689	
24	1uF	C20,C21	0603	2	CL10A105KA8NNNC	SAMSUNG	LCSC	C5673	
25	Header-Male-2.54_2x8	P2,P3	HDR-8X2/2.54	2	Double row straight 2*8Headers Pins 2.54mm	BOOMELE	LCSC	C68234	
26	220S-1*7P H=8.5MM Ytype Gold-plated	DISPLAY	DIP-1X7P2.54	1	220S-1*7P H=8.5MM Ytype Gold-plated	Ckmtw	LCSC	C124418	
27	DIP switchEI-04	SW1	DIP SWITCHEI-04	1	DIP switchEI-04	DIP	LCSC	C99987	
28	220uF	C12,C13	CAP-SMD_BD6.3-L6.6-W6.6-FD	2	VT1C221M0607	ROQANG	LCSC	C90274	
29	Header-Female-2.54_1x6	BT_MODULE	HDR-TH_6P-P2.54-V	1	Female header 1*6p	BOOMELE	LCSC	C40877	
30	TCA9517DR	U1	SOIC-8_L4.9-W3.9-P1.27-LS6.0-BL	1	TCA9517DR	TI	LCSC	C182421	Yes
31	A2541HWV-4P	ENC1,ENC2,STEPPER,I2C	HDR-TH_4P-P2.54-V_A2541HWV-4P	4	A2541HWV-4P	Changjiang Connectors	LCSC	C225501	
32	30K	R23,R24	0603	2	0603WAF3002T5E	UniOhm	LCSC	C22984	Yes