

AloT SixSense

v1

6/6/2019

Item	Quantity	Reference	Part	Footprint	Mfg	Mfg P/N	Vendor	Vendor P/N	Gtech P/N	Notes
1	23	C1, C2, C3, C4, C6, C7, C10, C11, C12, C15, C17, C22, C23, C25, C26, C27, C29, C30, C31, C32, C33, C35, C37	CAP CER 0.1UF 50V X7R	0402	Murata	GRM155R71H104KE14D	LCSC	C77020		
2	3	C5, C18, C19	CAP CER 10NF 25V X7R	0402	Murata	GRM155R71E103KA01D	LCSC	C77013		
3	1	C8	CAP CER 1UF 6.3V X7R	0402	Murata	GRM155R70J105KA12D	LCSC	C88945		
4	8	C9, C13, C14, C16, C24, C28, C34, C36	CAP CER 10UF 10V X7R	0805	Murata	GRM21BR71A106KE51L	LCSC	C86038		
5	2	C20, C21	CAP CER 1NF 50V X7R	0402	Murata	GRM155R71H102KA01D	LCSC	C77018		
6	1	J1	6-PIN Male Header	1.27MM						Not installed
7	1	J2	2X10-PIN Male Header	0.1"						Not installed
8	2	J3, J4	1X4-PIN SMD Header	0.1"						
9	5	K1, K2, K3, K4, K5	Tactile Switches SPST	2-SMD	Omron	B3U-1000P	LCSC	C231329		
10	1	LED1	Light Emitting Diodes (LED) Blue	0402	Everlight	16-213/BHC-AN1P2/3T	LCSC	C131223		
11	1	R1	RES SMD 1K OHM 1% 1/16W	0402	Yageo	RC0402FR-071KL	LCSC	C106235		
12	10	R2, R3, R4, R5, R6, R7, R8, R9, R11, R12	RES SMD 100K OHM 1% 1/16W	0402	Yageo	RC0402FR-07100KL	LCSC	C60491		
13	1	R10	RES SMD 2K2 OHM 1% 1/16W	0402	Yageo	RC0402FR-072K2L	LCSC	C114762		
14	1	U1	Ambient Light Sensors	WSOF-6I	ROHM	BH1750FVI-TR	LCSC	C78960		
15	1	U2	Gas Sensors	LGA-8	Bosch	BMP280	LCSC	C83291		
16	1	U3	Inertial Measurement Units	LGA-24	STMicro	LSM9DS1TR	MOUSER	511-LSM9DS1TR		
17	1	U4	Board Mount Humidity Sensors	HLGA-6L	STMicro	HTS221TR	MOUSER	511-HTS221TR		
18	1	U5	0.96 inch I2C Interface White Color OLED	4-SMD	OPEN-SMART		ALIEXPRESS	32894549606		https://www.aliexpress.com/item/32894549606.html
19	1	U6	Low Dropout Regulators(LDO)	SOT-25	Diodes	AP2112K-3.3TRG1	LCSC	C51118		
20	1	U7	Real-time Clocks Clock/Calendar I2C	SOIC-20_300mil	Maxim	DS3232SN#T&R	LCSC	C117526		
21	1	U8	Real-time Clocks Clock/Calendar I2C	SOIC-8_150mil	Maxim	DS3232MZ/V+	LCSC	C143316		Not installed
22	1	U9	Battery Holders, Clips	2-SMD	Q&J	CR1220-2	LCSC	C70381		