



Bill of materials

Table 1. STDES-KNXSENSOR bill of materials

Item	Q.ty	Ref.	Part / Value	Description	Manufacturer	Order code
1	2	LED5,LED6	LED-0603_R	LED0603_Red	EVERLIGHT(台湾口光)	19-217/R6C-AL1M2VY/3T
2	2	SW1,SW2	TS-1088-AR02016	SW-SMD_L4.0-W2.9-H2-LS5.0	XUNPU	TS-1088-AR02016
3	1	C1	10uF/50V	C1206_L3.2-W1.6-H1.3	SAMSUNG(三星)	CL31A106KBHNNNE
4	1	C2	470nF/35V	C0805_L2.0-W1.3-H1.3	SAMSUNG(三星)	CL21B474KBFNNNE
5	2	C3,C5	47nF/35V	C0603_L1.6-W0.8-H0.8	SAMSUNG(三星)	CL10B473KB8NNNC
6	1	C4	220uF/35V	CAP-SMD_BD8.0-L8.3-W8.3-LS9.5-FD	ST(先科)	LZ1V221M-CRF10
7	1	C6	10nf/50V	C0603_L1.6-W0.8-H0.8	FH(口口)	0603B103K500NT
8	6	C7,C14,C15,C20,C21,C18	100nF	C0603_L1.6-W0.8-H0.8	YAGEO	CC0603KRX7R9BB104
9	1	C8	100nF/6.3V	C0603_L1.6-W0.8-H0.8	YAGEO	CC0603KRX7R9BB104
10	3	C9,C13,C19	4.7uF	C0603_L1.6-W0.8-H0.8	SAMSUNG(三星)	CL10A475KO8NNNC
11	2	C10,C12	100nF/50V	C0603_L1.6-W0.8-H0.8	YAGEO	CC0603KRX7R9BB104
12	1	C11	1nF	C0603_L1.6-W0.8-H0.8	SAMSUNG	CL10B102KB8NNNC
13	2	C16,C17	22pF	C0603_L1.6-W0.8-H0.8	SAMSUNG(三星)	CL10C220JB8NNNC
14	5	D1,D2,D3,D4,D5	TS4148	D1206_L3.2-W1.5-H0.9	Taiwan Semiconductor(Taiwan Semicon)	TS4148 RXG
15	1	D6	SMAJ40CA-TR, SMA	SMA_L4.3-W2.5-H2.1-LS5.0	ST	SMAJ40CA-TR
16	1	FB1	600Ω@100MHz	L0603_L1.6-W0.8-H0.5_BEAD	Sunlord	GZ1608D601TF
17	1	H1	DW127R-22-14-23	HDR-TH_14P-P1.27-V-M-R2-C7-S1.27-2	DEALON(德口隆)	DW127R-22-14-23
18	4	LED1,LED2,LED3,LED4	LED-0603_B	LED0603_Blue	EVERLIGHT(台湾口光)	19-217/BHC-ZL1M2RY/3T
19	1	R3	68R	R2512_L6.3-W3.2-H0.6	YAGEO	AC2512FK-0768RL
20	1	R4	10k	R0603_L1.6-W0.8-H0.8	UNI-ROYAL(厚声)	0603WAF1002T5E
21	6	R5,R6,R16,R17,R18,R23	1k	R0603_L1.6-W0.8-H0.8	UNI-ROYAL(厚声)	0603WAF1001T5E

Item	Q.ty	Ref.	Part / Value	Description	Manufacturer	Order code
22	1	R7	4.7M	R0603_L1.6-W0.8-H0.8	UNI-ROYAL(厚声)	0603WAF4704T5E
23	2	R8,R22	0R	R0603_L1.6-W0.8-H0.8	UNI-ROYAL(厚声)	0603WAF0000T5E
24	1	R9	NM/0R	R0603_L1.6-W0.8-H0.8	UNI-ROYAL(厚声)	0603WAF0000T5E
25	6	R10,R11,R14,R15,R20,R21	2.2k	R0603_L1.6-W0.8-H0.8	UNI-ROYAL(厚声)	0603WAF2201T5E
26	1	U1	STKNX, VFQFPN-24	VFQFPN-24_L4.0-W4.0-H0.9-P0.50	ST	STKNX
27	1	U2	STM32G070CBT6TR, LQFP-48	LQFP-48_L7.0-W7.0-H1.4-LS9.0-P0.50	ST	STM32G070CBT6TR
28	1	X1	16MHz	OSC-SMD_4P-L3.2-W2.5-H1.0	EPSON	X1E000021011900
29	1	U3	PIR Sensor		SENBA SENSING TECHNOLOGY CO,LTD	BS312
30	1	U4	STHS34PF80, OLGA-10L	OLGA-10L	ST	STHS34PF80

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