



Bill of materials

Table 1. STDES-KNXRFID bill of materials

Item	Q.ty	Ref.	Part / Value	Description	Manufacturer	Order code
1	2	C1,C16	4.7uF	C0603	SAMSUNG(三星)	CL10A475KO8NNNC
2	6	C2,C14,C20,C21,C22,C23	100nF	C0603	YAGEO	CC0603KRX7R9BB104
3	1	C3	220nF/6.3V	C0603	SAMSUNG(三星)	CL10B224KA8NNNC
4	1	C4	10uF/50V	C1206	SAMSUNG(三星)	CL31A106KBHNNNE
5	1	C5	10uF/35V	C1206	SAMSUNG(三星)	CL31A106KBHNNNE
6	1	C6	470nF/35V	C0603	SAMSUNG(三星)	CL21B474KBFNNNE
7	2	C7,C10	47nF/35V	C0603	SAMSUNG(三星)	CL10B473KB8NNNC
8	1	C8	470uF	CAP-SMD_BD10.0-L10.3-W10.3-LS11.3-FD	ROQANG(容口)	VT1V471M1010
9	2	C11,C12	22pF	C0603	SAMSUNG(三星)	CL10C220JB8NNNC
10	1	C13	10nf/50V	C0603	FH(□□)	0603B103K500NT
11	1	C15	100nF/6.3V	C0603	YAGEO	CC0603KRX7R9BB104
12	2	C17,C19	100nF/50V	C0603	YAGEO	CC0603KRX7R9BB104
13	1	C18	1nF	C0603	SAMSUNG	CL10B102KB8NNNC
14	2	C24,C56	120pF	C0603	TDK	CGA3E2C0G1H121JT0Y0N
15	4	C25,C29,C54,C55	10pF	C0603	SAMSUNG	CL10C100JB8NNNC
16	2	C27,C52	220pF	C0603	SAMSUNG	CL10B221KB8NNNC
17	4	C28,C46,C47,C51	12pF	C0603	SAMSUNG	CL10C120JB8NNNC
18	2	C30,C53	82pF	C0603	TDK	CGA3E2C0G1H820JT0Y0N
19	2	C31,C57	470pF	C0603	FH	0603B471K500NT
20	9	C32,C34,C37,C38,C40,C42,C45,C49,C50	10nF	C0603	FH	0603B103K500NT
21	1	C33	1uF	C0603	SAMSUNG	CL10A105KB8NNNC
22	7	C35,C36,C39,C41,C43,C44,C48	2.2uF	C0603	SAMSUNG	CL10A225KO8NNNC
23	1	C58	220uF/35V	CAP-SMD_BD8.0-L8.3-W8.3-LS9.5-FD	KNSCHA(科尼盛)	RVT220UF35V67RV0024
24	1	CFB1	51pF/16V	C0805	YAGEO	CC0805JRNPO9BN510
25	3	D1,D2,D3	TS4148	D1206-RD	ST(先科)	LL4148
26	1	D4	SMAJ40CA-TR, SMA	SMA_L4.4-W2.6-LS5.0-BI	ST	SMAJ40CA-TR
27	2	FB1,FB4	600Ω@100MHz	L0603	Sunlord	GZ1608D601TF
28	1	H1	HDR-M-2.54_1x5	HDR-TH_5P-P2.54-V-M	Ckmtw	210S-1*5P L=11.6MMGold-plated black

Item	Q.ty	Ref.	Part / Value	Description	Manufacturer	Order code
29	1	H4	HDR-M-2.54_1x4	HDR-M-2.54_1X4	Any	Any
30	3	KEY1,KEY2,KEY_N_RST	K2-3.6x6.1_SMD	KEY-SMD_2P-L6.2-W3.6-LS8.0	Rectangular Connectors - Contacts	K2-1107ST-A4SW-06
31	1	KEY_PROG	K2-3.6x6.1_SMD	KEY-SMD_4P-L6.0-W6.0-P4.50-LS8.6	Any	Any
32	2	L3,L4	270nH	L0603	Guangdong Fenghua Advanced Tech	VHF160808HR27JT
33	1	LDCDC	33uH	IND-SMD_L5.8-W5.2_SLF05XX	Sunltech	SLF0504-220KTT
34	4	LED1,LED2,LED4,LED5	LED-0603_R	LED0603_RED	EVERLIGHT(台湾□光)	19-217/R6C-AL1M2VY/3T
35	1	LED3	LED-0603_G	LED0603_GREEN	EVERLIGHT(台湾□光)	19-217/GHC-YR1S2/3T
36	1	R1	10K	R0603	UNI-ROYAL(厚声)	0603WAF1002T5E
37	1	R2	NM/OR	R0603	UniOhm	0603WAF0000T5E
38	1	R4	68R	R2512	YAGEO	AC2512FK-0768RL
39	2	R5,R6	1K	R0603	UNI-ROYAL(厚声)	0603WAF1001T5E
40	1	R7	4.7M	R0603	UNI-ROYAL(厚声)	0603WAF4704T5E
41	8	R8,R9,R10,R11,R14,R15,R18,R19	2.2K	R0603	UNI-ROYAL(厚声)	0603WAF2201T5E
42	2	R21,R22	1R	R0603	UniOhm	0603WAF100KT5E
43	1	RF1	BWIPX-1-001E	IPEX-SMD_BWIPX-1-001E	BAT WIRELESS(蝙蝠无□)	BWIPX-1-001E
44	1	RFB1	40.2K/0.1%	R0805	YAGEO	
45	1	RFB2	10K/0.1%	R0805	YAGEO	
46	1	U1	STM32G070CBT6TR, LQFP-48	LQFP-48_L7.0-W7.0-P0.50-LS9.0-BL	ST	STM32G070CBT6TR
47	1	U2	STKNX, VFQFPN-24	VFQFPN-24_L4.0-W4.0-P0.50-BL-EP2.8	ST	STKNX
48	1	U3	ST25R3916-AQWT, VFQFPN-32	VFQFPN-32_L5.0-W5.0-P0.50-TL-EP3.5	ST	ST25R3916-AQWT
49	1	X1	16MHz	OSC-SMD_4P-L3.2-W2.5-BL	EPSON	X1E000021011900
50	1	X2	27.12MHz	CRYSTAL-SMD_4P-L3.2-W2.5-BL	EPSON(□普生)	X1E0000210502

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