



Bill of materials

Table 1. STDES-KNXRGBDRV bill of materials

Item	Q.ty	Ref.	Part / Value	Description	Manufacturer	Order code
1	5	LED5,LED6,LED7,LED8,LED4	67-23/ R6GHBHC- B05/2T	LED-ARRAY- SMD_4P-L3.2- W2.7-LS3.5-TR	67-23/ R6GHBHC- B05/2T	EVERLIGHT(□ 光)
2	5	R44,R45,R46,R47,R48	0R	R0603		
3	1	C1	4.7uF	C0603	CL10A475KO8 NNNC	SAMSUNG(三 星)
4	7	C2,C14,C18,C19,C20,C22,C23	100nF	C0603	CC0603KRX7R 9BB104	YAGEO
5	1	C3	220nF/6.3V	C0603	CL10B224KA8 NNNC	SAMSUNG(三 星)
6	2	C4,C5	10uF/50V	C1206	CL31A106KBH NNNE	S+E1+G1:G7+ G5:G7:K15
7	1	C6	470nF/35V	C0805	CL21B474KBF NNNE	SAMSUNG(三 星)
8	2	C7,C10	47nF/35V	C0603	CL10B473KB8 NNNC	SAMSUNG(三 星)
9	1	C8	22uF/25V	C0805	CL21A226MAQ NNNE	SAMSUNG(三 星)
10	1	C9	220uF/35V	CAP- SMD_BD8.0- L8.3-W8.3- LS9.5-FD	EEEF1V221A P	PANASONIC(松 下)
11	2	C11,C12	22pF	C0603	CL10C220JB8 NNNC	SAMSUNG(三 星)
12	1	C13	10nf/50V	C0603	0603B103K500 NT	FH(□□)
13	2	C15,C17	100nF/50V	C0603	CC0603KRX7R 9BB104	YAGEO
14	1	C16	1nF	C0603	CL10B102KB8 NNNC	SAMSUNG
15	1	C21	10uF	C0603	CL10A106MA8 NRNC	SAMSUNG(三 星)
16	1	C24	33uF	C0805	C2012X5R1A3 36MTJ00E	TDK
17	2	C25,C27	1uF	C0603	CL10A105KB8 NNNC	SAMSUNG
18	1	C26	22uF	C0805	CL21A226MAQ NNNE	SAMSUNG
19	1	CFB1	150pF/16V	C0805	0805B151K500 NT	FH(□□)
20	3	D1,D2,D3	TS4148	D1206-RD	LL4148	ST(先科)
21	1	D4	SMAJ40CA-TR, SMA	SMA_L4.4- W2.6-LS5.0-BI	SMAJ40CA-TR	ST

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22	1	D6	STPS1L30A	SMA_L4.3-W2.6-LS5.2-RD	STPS1L30A	ST(意法半□体)
23	1	H1	HDR-M-2.54_1x5	HDR-TH_5P-P2.54-V-M	210S-1*5P L=11.6MMGold-plated black	Ckmtw
24	1	H2	HDR-M-2.54_1x4	HDR-M-2.54_1X4	210S-1*4P L=11.6MMGold-plated black	Ckmtw
25	1	H3	HDR-F-2.54_1x16	HDR-F-2.54_1X16	B-2200S16P-A120	Ckmtw(□科盟)
26	3	H4,H5,H6	HDR-F-2.54_1x2	HDR-F-2.54_1X2	2.54-1*2P 母	BOOMELE(博穆精密)
27	2	KEY1,KEY_NRST	K2-3.6×6.1_SMD	KEY-SMD_2P-L6.2-W3.6-LS8.0	K2-1107ST-A4SW-06	Rectangular Connectors - Contacts
28	1	KEY_PROG	K2-3.6×6.1_SMD	KEY-SMD_4P-L6.0-W6.0-P4.50-LS8.6		
29	1	L1	180uH	IND-SMD_L7.8-W7.0-A	PCD0705MT181	Viking Tech
30	1	LDCDC	22uH	IND-SMD_L5.8-W5.2_SLF05XX	SLF0504-220KTT	Sunltech
31	6	LED1,LED2,LED_DCDC,LED_KNX,LED_MCU,LED_PROG	LED-0603_R	LED0603_RED	19-217/R6C-AL1M2VY/3T	EVERLIGHT(台湾□光)
32	1	LED3	LED-0603_G	LED0603_GREEN	19-217/GHC-YR1S2/3T	EVERLIGHT(台湾□光)
33	2	R1,R34	10k	R0603	0603WAF1002T5E	UNI-ROYAL(厚声)
34	1	R3	68R	R2512	AC2512FK-0768RL	YAGEO
35	2	R4,R5	1k	R0603	0603WAF1001T5E	UNI-ROYAL(厚声)
36	6	R6,R7,R8,R9,R10,R11	2.2k	R0603	0603WAF2201T5E	UNI-ROYAL(厚声)
37	1	R12	4.7M	R0603	0603WAF4704T5E	UNI-ROYAL(厚声)
38	5	R13,R17,R21,R28,R32	33R	R0603	0603WAF330JT5E	UNI-ROYAL(厚声)
39	11	R14,R16,R18,R20,R22,R24,R29,R30,R35,R36,R38	15R	R0603	0603WAF150JT5E	UNI-ROYAL(厚声)
40	11	R15,R19,R23,R26,R27,R31,R33,R37,R39,R40,R42	0R	R0603	0603WAF0000T5E	UNI-ROYAL(厚声)
41	1	R25	11k	R0603	0603WAF1102T5E	UNI-ROYAL(厚声)
42	1	R41	560R	R0603	0603WAF5600T5E	UNI-ROYAL(厚声)
43	1	R43	470R	R0603	0603WAF4700T5E	UNI-ROYAL(厚声)
44	1	RFB1	40.2k/0.1%	R0805	AR05BTCW4022	Viking(光□)

Item	Q.ty	Ref.	Part / Value	Description	Manufacturer	Order code
45	1	RFB2	10k/0.1%	R0805	ERJPB6B1002V	PANASONIC(松下)
46	1	U1	STM32G070CBT6TR, LQFP-48	LQFP-48_L7.0-W7.0-P0.50-LS9.0-BL	STM32G070CBT6TR	ST
47	1	U2	STKNX, VFQPN-24	VFQFPN-24_L4.0-W4.0-P0.50-BL-EP2.8	STKNX	ST
48	1	U3	L6981C33DR, SO8L	SO8L	L6981C33DR	ST
49	1	U4	LED1642GWPT R	QSOP-24_L8.7-W4.0-P0.65-LS6.0-BL	LED1642GWPT R	ST(意法半□体)
50	1	X1	16MHz	OSC-SMD_4P-L3.2-W2.5-BL	X1E000021011900	EPSON

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