

No.	Quantity	Comment	Designator	Footprint	Value	Manufacturer Part	Manufacturer	Supplier Part	Supplier
1		7 HX TS5220A 160gf	A1,B1,DOWN1,LEFT1,RIG	SW-SMD 4P-L5.2-W5.2		HX TS5220A 160gf	hanxia(韩下)	C5340185	LCSC
2		2 10uF	C1,C2	CASE-C 6032	10uF	593D106X9025C2TE3	VISHAY(威世)	C132690	LCSC
3		7 100nF	C3,C7,C9,C15,C16,C17,C	C0603	100nF	CC0603KRX7R9BB104	YAGEO(国巨)	C14663	LCSC
4		1 4.7uF	C4	C0603	4.7uF	CL10A475K08NNNC	SAMSUNG(三星)	C19666	LCSC
5		2 10uF	C5,C6	C0603	10uF	CL10A106MQ8NNNC	SAMSUNG(三星)	C1691	LCSC
6		2 22uF	C8,C11	C0805	22uF	GRM21BR61E226ME44L	muRata(村田)	C86816	LCSC
7		1 10nF	C10	C0603	10nF	CC0603KRX7R9BB103	YAGEO(国巨)	C100042	LCSC
8		1 100nF	C12	C0805	100nF	GCM21BR91H104KA37L	muRata(村田)	C161269	LCSC
9		3 1uF	C13,C14,C21	C0603	1uF	CL10A105KB8NNNC	SAMSUNG(三星)	C15849	LCSC
10		2 22pF	C19,C20	C0603	22pF	CL10C220JB8NNNC	SAMSUNG(三星)	C1653	LCSC
11		1 CLK	CLK	Test-Point-0.5mm					
12		2 B5819W	D1,D2	SOD-123 L2.8-W1.8-LS3		B5819W	FUXINSEMI(富芯森美)	C908224	LCSC
13		1 0805L110ULYR	F1	F0805		0805L110ULYR	Littelfuse(美国力特)	C468888	LCSC
14		1 GND	GND	Test-Point-0.5mm					
15		1 532610271	H1	CONN-SMD 532610271		532610271	MOLEX	C177225	LCSC
16		1 10uH	L3	IND-SMD L3.2-W2.5	10uH	SCW3225H100KTT	Sunitech(顺磁)	C2842780	LCSC
17		1 LTST-C191KRKT	LED1	LED0603-RD		LTST-C191KRKT	LITEON(光宝)	C125099	LCSC
18		1 LTST-C193TGKT-5A	LED2	LED0603-RD		LTST-C193TGKT-5A	LITEON(光宝)	C12065	LCSC
19		1 E6C0606RGBC3UDA	LED3	LED-ARRAY-SMD 4P-L1.6		E6C0606RGBC3UDA	ekinglux(亿晶源)	C375569	LCSC
20		1 MISO	MISO	Test-Point-0.5mm					
21		1 MOSI	MOSI	Test-Point-0.5mm					
22		1 AFC07-S24ECC-00	P1	FPC-SMD 24P-L17.5-W5		AFC07-S24ECC-00	JS(钜硕电子)	C11092	LCSC
23		3 4.7kΩ	R1,R2,R3	R0603	4.7kΩ	0603WAF4701T5E	UNI-ROYAL(厚声)	C23162	LCSC
24		1 910kΩ	R4	R0603	910kΩ	0603WAF9103T5E	UNI-ROYAL(厚声)	C23263	LCSC
25		1 3.3kΩ	R5	R0603	3.3kΩ	0603WAF3301T5E	UNI-ROYAL(厚声)	C22978	LCSC
26		2 22Ω	R6,R7	R0603	22Ω	0603WAF2201T5E	UNI-ROYAL(厚声)	C23345	LCSC
27		2 1.6kΩ	R8,R15	R0603	1.6kΩ	0603WAF1601T5E	UNI-ROYAL(厚声)	C22847	LCSC
28		1 1.1kΩ	R9	R0603	1.1kΩ	0603WAF1101T5E	UNI-ROYAL(厚声)	C22764	LCSC
29		1 5kΩ	R10	R0603	5kΩ	RTT035001FTP	RALEC(旺途)	C166926	LCSC
30		1 100kΩ	R11	R0603	100kΩ	0603WAF1003T5E	UNI-ROYAL(厚声)	C25803	LCSC
31		2 10kΩ	R12,R16	R0603	10kΩ	0603WAF1002T5E	UNI-ROYAL(厚声)	C25804	LCSC
32		1 300Ω	R13	R0603	300Ω	0603WAF3000T5E	UNI-ROYAL(厚声)	C23025	LCSC
33		1 1.2kΩ	R14	R0603	1.2kΩ	0603WAF1201T5E	UNI-ROYAL(厚声)	C22765	LCSC
34		1 RST	RST	Test-Point-0.5mm					
35		2 Test-Point	SP+,SP-	Test-Point-0.5mm					
36		1 KH-SS12F23-G6	SW1	SW-TH KH-SS12F23-G6		KH-SS12F23-G6	kinghelm(金航标)	C5274466	LCSC
37		1 TP4056	U1	ESOP-8 L4.9-W3.9-P1.27		TP4056	UMW(友台半导体)	C725790	LCSC
38		1 W25Q128JVSQ	U2	SOIC-8 L5.3-W5.3-P1.27		W25Q128JVSQ	WINBOND(华邦)	C97521	LCSC
39		1 TP561170DRVR	U3	QFN-6 L2.0-W2.0-P0.65		TP561170DRVR	TI(德州仪器)	C15163	LCSC
40		1 AP7333-33SRG-7	U4	SOT-23-3 L2.9-W1.3-P1		AP7333-33SRG-7	DIODES(美台)	C150745	LCSC
41		1 ATMEGA32U4-AU	U5	QFP-44 L10.0-W10.0-P0		ATMEGA32U4-AU	MICROCHIP(美国微芯)	C44854	LCSC
42		1 920-E52A2021S10101	USB1	MICRO-USB MICRO-USB		920-E52A2021S10101	精拓金	C40946	LCSC
43		1 VCC	VCC	Test-Point-0.5mm					
44		1 16MHz	X1	CRYSTAL-SMD 4P-L3.2-V	16MHz	TAXM16M4RDBCCT2T	YIX(雅晶鑫)	C164044	LCSC