









AK Base Kit 2.1.PrjPcb

	Name	esign	Footprint	CSC Part Nur	Manufacturer Part Num	Manufacturer	Quan	Description Assembly Typ Link
1	MY-1220-03		Batt CR1220	C964818	MY-1220-03	MYOUNG		MY-1220-03 Battery but SMT Assembly
	0.1uF		C_0603	C14663	CC0603KRX7R9BB104	YAGEO		100NF 50V 0603 ROHSSMT Assembly
	100nF		C_0402	C41851	0402B104K160NT	FH(Guangdong Fenghua Adva		100nF 16V X7R ±10% (SMT Assembly
4	10uF	C3	C_0805	C15850	CL21A106KAYNNNE	Samsung Electro-Mechanics	1	10UF 25V 0805 ROHS SMT Assembly
5	1uF	C4, C7,	C_0603	C15849	CL10A105KB8NNNC	Samsung Electro-Mechanics	5	1UF 50V 0603 ROHS SMT Assembly
6	10nF	C5, C6,	C_0402	C1547	0402CG120J500NT	FH(Guangdong Fenghua Adva	3	10nF 50V X7R ±10% 04SMT Assembly
7	33nF	C12	C 0402	C106862	CC0402KRX7R9BB333	YAGEO	1	50V 33nF X7R ±10% 04SMT Assembly
8	1nF	C14	C_0402	C1523	0402B102K500NT	FH(Guangdong Fenghua Adva	1	1nF 50V X7R ±10% 040 SMT Assembly
9	22pF	C15, C1	C_0402	C1555	0402CG220J500NT	FH(Guangdong Fenghua Adva	4	22pF 50V C0G ±5% 04 SMT Assembly
10	1.5pF	C17	C_0402	C1552	0402CG1R5C500NT	FH(Guangdong Fenghua Adva	1	1.5pF 50V C0G ±0.25pl SMT Assembly
	1.0pF	C18	C_0402	C1550	0402CG1R0C500NT	FH(Guangdong Fenghua Adva	1	1.0pF 50V C0G ±5% 04 SMT Assembly
12	2.2nF	C19	C_0402	C1531	0402B222K500NT	FH(Guangdong Fenghua Adva	1	2.2nF 50V C0G ±5% 04 SMT Assembly
13	4.7pF	C20	C_0402	C1569	0402CG4R7C500NT	FH(Guangdong Fenghua Adva		4.7pF 50V C0G ±5% 04 SMT Assembly
	100pF	C28, C2	C_0402	C1546	0402CG101J500NT	FH(Guangdong Fenghua Adva		100pF 50V C0G ±5% 0 SMT Assembly
15	4.7uF	C35	C 0603	C19666	CL10A475KO8NNNC	Samsung Electro-Mechanics	1	4.7UF 16V 0603 ROHS SMT Assembly
	SM712	D1	SOT-23-3_L2.9-W1.	C502564	SM712	MDD (Microdiode Electronics		TVS DIODE 12V 21V S SMT Assembly
	DSK34	D2	SOD-123_L2.8-W1.8		DSK34	MDD (Microdiode Electronics		DSK34 40V 550mV@3 SMT Assembly
18	FC-DA1608HRK-620	D4, D5,	LED0603-RD_RED	C84263	FC-DA1608HRK-620D	NATIONSTAR		LED Red 0603 Light En SMT Assembly
19	BAT54C	D8	SOT-23-3_L2.9-W1.	C14308	BAT54CLT1G	ON Semicon		SCHOTTKY BARRIER SMT Assembly
20	BSMD0603L-150	F1	F0603	C914094	BSMD0603L-150	BHFUSE		6V 1.5A 50A 1W -40°C~SMT Assembly
21	Module Oled 1.3 I2C	J1	Module Oled 1.3 - No	N/A	N/A	EPCB.vn		Module Oled 1.3 I2C Hand Soldering
	41-F01-250-4		CONN-TH_41-F01-2		41-F01-250-4	HIWA	1	Terminal Block 4 0.138 Hand Soldering
	TYPE-C 16PIN 2MD(USB-C-SMD_TYPE-		TYPE-C16PIN	SHOU HAN		5A 1 Surface Mount 16 SMT Assembly
24	HY-4AW	J6, J8	CONN-TH_4P-P2.00		HY-4AW	BOOMELE		HY-4AW 1x4P 1 2mm 4Hand Soldering
	HDR1x7	J9	HDR1X7H		HDR1x7 Horizonal			Header IDC, 1x8 Pin ho Hand Soldering
26	PM200-2-05-S-4.3	JP1, JP2	HDR-SMD_10P-P2.0	C3975169	PM200-2-05-S-4.3	HCTL(华灿天禄)		SMD,P=2mm Female HSMT Assembly
	3.9nH	L1	L_0402	C317939	FHW0402UC3N9JST	FH(Guangdong Fenghua Adva	1	3.9nH 840mA ±5% 66m SMT Assembly
28	8.2nH	L2	L_0402	C317946	FHW0402UC8N2JST	FH(Guangdong Fenghua Adva	1	8.2nH 680mA ±5% 100 SMT Assembly
29	2.7nH	L3	L_0402	C317935	FHW0402UC2N7KST	FH(Guangdong Fenghua Adva		2.7nH 640mA ±10% 12 SMT Assembly
30	MLT-8530	LS1	BUZ-SMD_4P-L8.5-\	C94599	MLT-8530	Jiangsu Huaneng Elec	1	BUZZERS MAGNETIC SMT Assembly
31	MMBT3904	Q1	SOT-23-3_L2.9-W1.	C20526	MMBT3904	Changjiang Electronics Tech (1	MMBT3904 TRANSIST SMT Assembly
32	MMBT3906LT1G	Q2, Q3	SOT-23-3_L2.9-W1.	C53444	MMBT3906LT1G	ON Semicon	2	MMBT3906 TRANSIST SMT Assembly
33	220HM	R1, R2,	R_0402	C25092	0402WGF220JTCE	Uniroyal Elec	3	22Ω 0402 62.5mW ThiqSMT Assembly
34	120R	R4	R_0603	C22787	0603WAF1200T5E	UNI-ROYAL(Uniroyal Elec)	1	120 OHMS ±1% 1/10W SMT Assembly
35	10OHM	R5, R6	R_0805	C17415	0805W8F100JT5E	Uniroyal Elec	2	10OHMS ±1% 1/8W 08 SMT Assembly
36	22k	R7, R13	R_0402	C25768	0402WGF2202TCE	Uniroyal Elec	3	22k 0402 62.5mW Thic SMT Assembly
37	10K	R8, R9,	R_0402	C25744	0402WGF1002TCE	Uniroyal Elec	10	10kΩ 0402 62.5mW Th SMT Assembly
38	5.1k	R11, R1	R_0402	C25941	0402WGJ0512TCE	Uniroyal Elec	2	5.1KOHMS ±5% 1/16W SMT Assembly
39	0OHM	R17, R4	R_0603	C21189	0603WAF0000T5E	Uniroyal Elec	2	OOHMS ±1% 1/10W 06 SMT Assembly
40	1K	R29, R3	R_0402	C11702	0402WGF1001TCE	Uniroyal Elec	7	1kΩ 0402 62.5mW ThiqSMT Assembly
41	TS-1102S-B-G-B	SW1, S	SW-SMD_4P-L6.0-V	C381064	TS-1102S-C-F-B	XKB Connectivity	4	Botton SMD TACTILE SMT Assembly
42	RT9193-33GB	U1	SOT-23-5_L3.0-W1.	C15651	RT9193-33GB	Richtek Tech	1	5.5V 300mV @ 300mA SMT Assembly
43	STM32L151C8T6	U2	LQFP-48_L7.0-W7.0	C9861	STM32L151C8T6	STMicroelectronics	1	STM32 ARM-based 32-SMT Assembly
_	NRF24L01P-R		QFN-20_L4.0-W4.0-	C8791	NRF24L01P-R	NORDIC		NRF24L01P-R SPI QFI SMT Assembly
45	W25Q256JVEIQTR		WSON-8_L8.0-W6.1	C97522	W25Q256JVEIQTR	Winbond Elec	1	W25Q256 WSON-8_8xSMT Assembly
	CH340E	U5	MSOP-10_L3.0-W3.	0-P0.50-LS5.0-E	BL	WCH(Jiangsu Qin Heng)	1	Transceiver USB 2.0 21 SMT Assembly
47	THVD1450DR	U6	SOIC-8_3.9x4.9x1.2	C2671361	THVD1450DR	Texas Instruments	1	THVD1450DR transceil SMT Assembly
48	PCF85063ATT/AJ	U8	TSSOP-8_L3.0-W3.	C165608	PCF85063ATT/AJ	NXP		TSSOP-8-3.0mm Real AMT Assembly
49	8Mhz	X1	SMD-3225_4P	C133366	1C208000CE0Q	KDS Daishinku		8Mhz 3225 SMD CRYS SMT Assembly
	32.768K		SMD-3215_2P	C32346	Q13FC1350000400	Seiko Epson	1	32.768K SMD CRYSTA SMT Assembly
	16Mhz		SMD-3225_4P	C13738	X322516MLB4SI	Yangxing Tech	1	16MHz SMD Crystal ReSMT Assembly