

Comment	Description	Designator	Footprint	LibRef	Quantity
10uF	Default Symbol for Capacitors	C1, C2	0603	CAP 10uF 10V	2
0.10uF	Default Symbol for Capacitors	C3	0603	CAP 0.1uF 50V	1
=VALUE	CAP CER 22pF 50V COG 0603/0805	C4, C5	0603	CAP 20pF 50V	2
0603 2V	LED Uni-Color Green 574nm 2-Pin Chip LED T/R	D1	0603 - LED	LED GREEN SMD 0603	1
BAT760	Diode Schottky 20V 1A_DC_Surface Mount SOD-323	D2, D3	SOD323(F)	BAT760	2
FUSE 1A 32V FAST	FUSE 1A 32V DC 0603	F1	0603	FUSE 1A 32V FAST	1
PJ-037A	2.0 mm Center Pin, 2.5 A, Right Angle, Through Hole, Dc Power Jack Connector	J1	CUI_PJ-037A	PJ-037A	1
PH1-11-UA	11POS Male Header	J2, J3	11POS 2.54mm Male Header	PH1-11-UA	2
USB4125-GF-A_REVA2		J4	GCT_USB4125-GF-A_REVA2	USB4125-GF-A_REVA2	1
613010243121	10 Position Header Connector Through Hole, Right Angle	J5	613010243121	613010243121	1
5.1k	Default Resistor Symbol	R1, R2	0603	RES 5.1k 1/8W - 1%	2
10k	Default Resistor Symbol	R3	0603	RES 10k 1/8W - 1%	1
ATS2D3G_NC_LFG	Tactile Switch SPST- NC Top Actuated Surface Mount	S1	SW_ATS2D3G_NC_LFG	ATS2D3G_NC_LFG	1
NCP114	300 mA LDO that provides the engineer with a very stable, accurate voltage with low noise suitable for space constrained, noise sensitive applications. In order to optimize performance for battery operated portable applications, the NCP114 employs the dynamic quiescent current adjustment for very low IQ consumption at no-load.	U1	SOT95P295X110-5NW	NCP114	1
CH32V003F4P6	Microcontroller designed based on QingKe RISC-V2A core, which supports 48MHz system main frequency in the product function. The series features wide voltage, single-wire serial debug interface, low- power consumption and ultra-small package. It provides commonly used peripheral functions, built-in 1 group of DMA controller, 1 group of 10-bit analog-to-digital conversion ADC, 1 group of op-amp comparator, multiple timers, standard communication interfaces such as USART, I2C, SPI, etc. The rated operation 24 Mhz A±30ppm	U2	TSOP65P640X110-20N	CH32V003F4P6	1
ECS-240-20-5PX-TR	Crystal 20pF 30 Ohms HC-49/US	Y1	XTAL_ECS-240-20-5PX-TR	ECS-240-20-5PX-TR	1