

Comment	Description	Designator	Footprint	LibRef	Quantity
Cap	Capacitor	C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C13, C14, C15, C16	C-0805	Cap	15
Green	LED	D1	LED0805	LED	1
Blue	LED	D2, D3	LED0805	LED	2
SMA	SMA Rak kontakt	P1	SMA	SMA	1
ISP-Header	Header, 3-Pin, Dual row	P2	HDR2X3	ISP-Header	1
Res1	Resistor	R1, R2, R3, R4, R5, R6	res-0805	Res1	6
Tactile switch	Tactile Switch	S1	B3FS-1010	Tactile switch	1
ATmega2560V-8AU	8-bit AVR Microcontroller, 1.8-5.5V, 2MHz, 256KB Flash, 4KB EEPROM, 8KB SRAM, 86 GPIO pins, 100-pin TQFP, Industrial Grade (-40°C to 85°C), Pb-Free	U1	100A_N	ATmega2560V-8AU	1
RTX-MID-5V	Aurel RTX-MID-5V	U2	RTX-MID-5V	RTX-MID-5V	1
USB to serial converter		U3	SOIC16_M	CH340G	1
USB connector		X1	USBmicro	USB_connector	1
16MHz	Crystal Oscillator	Y1	5032 crystal	Kristall	1
12MHz	Crystal Oscillator	Y2	5032 crystal	Kristall	1