

Value	Footprint	Note
Buzzer	Buzzer_Beeper:Buzzer_12x9.5RM7.6	
100n	Capacitor_SMD:C_0603_1608Metric	
2.2u	Capacitor_SMD:C_0603_1608Metric	
18p	Capacitor_SMD:C_0603_1608Metric	
4.7u	Capacitor_SMD:C_0603_1608Metric	
10u	Capacitor_SMD:C_0805_2012Metric	
1u	Capacitor_SMD:C_0603_1608Metric	
22u	Capacitor_SMD:C_0805_2012Metric	
4u7	Capacitor_SMD:C_0603_1608Metric	
1u 6V3	Capacitor_SMD:C_0603_1608Metric	
WS2812B	LED_SMD:LED_WS2812B_PLCC4_5.0x5.0mm_P3.2mm	
1N4148	Diode_SMD:D_SOD-123	
LED_alive	LED_SMD:LED_0603_1608Metric	
TVS VBR 17V IBR=1mA	Diode_SMD:D_SMA	
S1B	Diode_SMD:D_SMA	
RBR1VWM30ATFTR	Diode_SMD:D_SOD-123	
3V3_LED	LED_SMD:LED_0805_2012Metric	
PDZ3.3B.115	Diode_SMD:D_SOD-323_HandSoldering	
5V_LED	LED_SMD:LED_0805_2012Metric	
2016L05MR	Fuse:Fuse_1206_3216Metric	
FerriteBead	Capacitor_SMD:C_0805_2012Metric	
MountingHole	MountingHole:MountingHole_3.2mm_M3_Pad_Via	
WS2812B	Connector_JST:JST_XH_B3B-XH-A_1x03_P2.50mm_Vertical	
Conn_01x03	Connector_PinHeader_2.54mm:PinHeader_1x03_P2.54mm_Vertical	
Vin	TerminalBlock:TerminalBlock_bornier-2_P5.08mm	
USB_B_Mini	Connector_USB:USB_Mini-B_Wuerth_65100516121_Horizontal	
Vout 5V	TerminalBlock:TerminalBlock_bornier-2_P5.08mm	
I2C_3V3	Connector_JST:JST_XH_B4B-XH-A_1x04_P2.50mm_Vertical	
UART0_3V3	Connector_JST:JST_XH_B4B-XH-A_1x04_P2.50mm_Vertical	
IRLML0060TRPBF	Package_TO_SOT_SMD:SOT-23	
PDTC114YT	Package_TO_SOT_SMD:SOT-23	
IRLML9301	Package_TO_SOT_SMD:SOT-23	
1k	Resistor_SMD:R_0603_1608Metric	
100k	Resistor_SMD:R_0603_1608Metric	
10K	Resistor_SMD:R_0603_1608Metric	
10k	Resistor_SMD:R_0603_1608Metric	
470k	Resistor_SMD:R_0603_1608Metric	
470	Resistor_SMD:R_0603_1608Metric	
27	Resistor_SMD:R_0603_1608Metric	
510	Resistor_SMD:R_0603_1608Metric	
1.8k	Resistor_SMD:R_0603_1608Metric	
200	Resistor_SMD:R_0603_1608Metric	
150k	Resistor_SMD:R_0603_1608Metric	
56k	Resistor_SMD:R_0603_1608Metric	
4.7k	Resistor_SMD:R_0603_1608Metric	
47k	Resistor_SMD:R_0603_1608Metric	
RESET_SW	Button_Switch_SMD:SW_SPST_EVQP0	
PROG_SW	Button_Switch_SMD:SW_SPST_EVQP0	
SW_U	Button_Switch_SMD:SW_SPST_EVQP0	
SW_L	Button_Switch_SMD:SW_SPST_EVQP0	
SW_R	Button_Switch_SMD:SW_SPST_EVQP0	
SW_D	Button_Switch_SMD:SW_SPST_EVQP0	
Power_button	Button_Switch_SMD:SW_SPST_EVQP0	
VBUS	TestPoint:TestPoint_THTPad_D1.5mm_Drill0.7mm	
5V	TestPoint:TestPoint_THTPad_D1.5mm_Drill0.7mm	
3V3	TestPoint:TestPoint_THTPad_D1.5mm_Drill0.7mm	
3V3A	TestPoint:TestPoint_THTPad_D1.5mm_Drill0.7mm	
RP2040	DA REALIZZARE	Verificare online se esistono footprint di partenza o già disponibili
W25Q16JVUSSQ	DA REALIZZARE	Verificare online se esistono footprint di partenza o già disponibili
AT24C256	Package_SO:SOIC-8_3.9x4.9mm_P1.27mm	
oled_0.96" 128x64px	Connector_PinHeader_2,54mm:PinHeader_1x04_P2.54mm_Vertical	Tenere conto dell'ingombro reale del componente
XC6705A331MR-G	Package_TO_SOT_SMD:SOT-23-5	
TPS563201	Package_TO_SOT_SMD:SOT-23-6	
SAM-M8Q	DA REALIZZARE	Verificare online se esistono footprint di partenza o già disponibili
MMA8451Q	DA REALIZZARE	Verificare online se esistono footprint di partenza o già disponibili
ESP-01	Connector_PinSocket_2,54mm:PinSocket_2x04_P2.54mm_Vertical	Tenere conto dell'ingombro reale del componente
TC1047A	Package_TO_SOT_SMD:SOT-23	
12MHz	Crystal:Crystal_SMD_3225-4Pin_3.2x2.5mm_HandSoldering	
Induttore 2,2uH	Inductor_SMD:L_Vishay_IHLP-1212	IHLP1212BZER2R2M11