

Designator	Package	Quantity	Designation	Supplier and ref
C1	C_1206_3216Metric	1	4.7uF	any
C10,C6	C_0603_1608Metric	2	10uF	any
C12	C_1206_3216Metric	1	10uF	any
C13	CP_Elec_4x5.4	1	0.47uF	any
C2,C14,C9,C11,C5	C_0603_1608Metric	5	0.1uF	any
C4,C3	C_1206_3216Metric	2	22uF	any
C7	C_0603_1608Metric	1	10nF	any
C8	C_0603_1608Metric	1	1nF	any
D1	LED_0603_1608Metric	1	LED BLUE	https://www.aliexpress.com/item/5-x-100pcs-Color-500pcs-New-1206-0805-0603-Red-Green-Blue-White-Yellow-SMD-LED/837971310.html
D2	LED_0603_1608Metric	1	LED GREEN	https://www.aliexpress.com/item/5-x-100pcs-Color-500pcs-New-1206-0805-0603-Red-Green-Blue-White-Yellow-SMD-LED/837971310.html
D3	LED_0603_1608Metric	1	LED YELLOW	https://www.aliexpress.com/item/5-x-100pcs-Color-500pcs-New-1206-0805-0603-Red-Green-Blue-White-Yellow-SMD-LED/837971310.html
D4	LED_0603_1608Metric	1	LED RED	https://www.aliexpress.com/item/5-x-100pcs-Color-500pcs-New-1206-0805-0603-Red-Green-Blue-White-Yellow-SMD-LED/837971310.html
D5	LED_0603_1608Metric	1	LED WHITE	https://www.aliexpress.com/item/5-x-100pcs-Color-500pcs-New-1206-0805-0603-Red-Green-Blue-White-Yellow-SMD-LED/837971310.html
J1	aliexpress_micro_USB_connector	1	USB B Micro	https://www.aliexpress.com/item/100pcs-Micro-Jack-Connector-Female-5pin-Charging-Socket-Micro-USB-5Pin-Inserting-Plate-Seat-Mini-usb/32834165597.html
J2	connector-XH2.54-01x05	1	Button Connector	https://www.aliexpress.com/item/50PCS-Lot-XH2-54-Pin-Header-Connector-2P-3P-4P-5P-6P-7P-8P-9P-10P/32820868041.html
J3	connector-XH2.54-01x06	1	Ext LED header	https://www.aliexpress.com/item/50PCS-Lot-XH2-54-Pin-Header-Connector-2P-3P-4P-5P-6P-7P-8P-9P-10P/32820868041.html
J4	U_FL_Molex_MCRF_73412-0110_Vertical	1	u.FL	https://www.aliexpress.com/item/Free-Shipping-50PCS-U-FL-R-SMT-U-FL-socket-IPX-IPX-connectors-RF-Coaxial-Connector/32872904554.html
J5	1X17_NO_SILK	1	Header Left	standard pin header
J6	1X17_NO_SILK	1	Header Right	standard pin header
J7	1X04_NO_SILK	1	2C Breakout	standard pin header
J8	1X04_NO_SILK	1	RXB6 Breakout	standard pin header
Q1,Q2	SOT-23	2	Q_NPN_BEC	https://www.aliexpress.com/item/20PCS-Lot-New-Original-J3Y-S8050-SMD-SOT-23-Triode-Wholesale-Electronic/32495368656.html
R10,R9	R_0603_1608Metric	2	4.7K	any
R3,R4	R_0603_1608Metric	2	120	any
R5,R1,R2	R_0603_1608Metric	3	22	any
R6	R_0603_1608Metric	1	10K	any
R7,R8	R_0603_1608Metric	2	12K	any
SW1	SW_SPST_CK_RS282G05A3	1	SW_RESET	https://www.aliexpress.com/item/100PCS-3X6X2-5mm-Tactile-Push-Button-Switch-Tact-Switch-Micro-Switch-2-Pin-SMD/32672806661.html
SW2	SW_SPST_CK_RS282G05A3	1	SW_INCLUSION	https://www.aliexpress.com/item/100PCS-3X6X2-5mm-Tactile-Push-Button-Switch-Tact-Switch-Micro-Switch-2-Pin-SMD/32672806661.html
SW3	SW_SPST_CK_RS282G05A3	1	SW_GEN1	https://www.aliexpress.com/item/100PCS-3X6X2-5mm-Tactile-Push-Button-Switch-Tact-Switch-Micro-Switch-2-Pin-SMD/32672806661.html
SW4	SW_SPST_CK_RS282G05A3	1	SW_BOOT	https://www.aliexpress.com/item/100PCS-3X6X2-5mm-Tactile-Push-Button-Switch-Tact-Switch-Micro-Switch-2-Pin-SMD/32672806661.html
U1	RFM69HCW-XXXS2-MINPADS	1	RFM69HCW	any
U2	MODULE_ESP-WROOM-32	1	ESP-WROOM-32	any
U4,U3	AMS1117-3.3	2	AMS1117-3.3	https://www.aliexpress.com/item/100PCS-LOT-Original-AMS1117-3-3-AMS1117-3-3V-AMS1117-LM1117-1117-Voltage-Regulator-We-only/32816744520.html
U5	RFM69CW-XXXS2-MINPADS	1	RFM69CW	any
U6	nRF24L01_Breakout	1	nRF24L01_Breakout	https://www.aliexpress.com/item/E01-ML01D-small-size-SPI-nRF24L01P-2-4Ghz-1mW-PCB-antenna-IOT-uhf-wireless-transceiver-transmitter/32803704874.html
U7	HOPERF_RFM69HW-MINPADS	1	RFM69(H)W	any
U8	SO16	1	CH340C	https://www.aliexpress.com/item/10pcs-340-C-With-C-100-New-CH340C-USB-To-Serial-Chip-Chip-SOP-16/32880586760.html