

Comment	Description	Designator	Footprint	LibRef	Quantity
1729128	PCB Terminal Block, 13.5 A, 400 V, 2-Pin THD, RoHS, Bulk	1, J1_Ch0, J1_Ch1, J1_Ch2, J1_Ch3, J1_Ch4, J1_Ch5, J1_Ch6, J1_Ch7	PHOE-1729128-2_V	CMP-2000-05815-1	9
HLK-PM01		2	HLK-PM01	HLK-PM01	1
2TY	PNP Bipolar Transistor	2TY	SOT-238_N	PNP	1
Header 4X2	Header, 4-Pin, Dual row	A1	HDR2X4	Header 4X2	1
Header 3X2A	Header, 3-Pin, Dual row	A2	HDR2X3_CEN	Header 3X2A	1
ADS1015IDGSR	12-Bit ADC with Integrated Multiplexer, PGA, Comparator, Oscillator, and Reference, -40 to 125 degC, 10-pin SOP (DGS10), Green (RoHS & no Sb(Br))	A3	TI-DGS10_N	CMP-0003-00374-2	1
TVAF06	Switch, SPST Push Button, 50 mA, 12 V DC, SMD, -30 to 85 degC, RoHS	BOOT, RST	JNFU-TVAF06_V	CMP-0587-00001-2	2
BSS138	N-Channel Logic Level Enhancement Mode Field Effect Transistor, 220 mA, 50 V, -55 to 150 degC, 3-Pin SOT-23, RoHS, Tape and Reel	BSS1381, BSS1382	FAIR-SOT23-3_V	CMP-1670-00009-1	2
796136-1	Battery Connector, 1 Cell, CR2032, 2-Pin SMD, RoHS, Tape and Reel	BT1	TECO-796136-1_V	CMP-1684-00006-2	1
Battery	Multicell Battery	BT2	BAT-2	Battery	1
Cap Semi	Capacitor (Semiconductor SIM Model)	C1, C2, C3, C4, C5, C6, C7	C1206	Cap Semi	7
3.3uF	Tantalum Capacitor, 330 uF, +/- 20%, 2.5 V, -55 to 105 degC, 2-Pin Molded, RoHS, Tape and Reel	C8, C9, C16, C17	KEMT-520-B-2_M	CMP-1664-00002-2	4
10uF	Tantalum Capacitor, 330 uF, +/- 20%, 2.5 V, -55 to 105 degC, 2-Pin Molded, RoHS, Tape and Reel	C10, C18	KEMT-520-B-2_M	CMP-1664-00002-2	2
0.1uF	Capacitor SMD Cer 6.8nF 5% 50V NP0 1206	C11, C12	CAPC3216X180N	CAPC_6n8_1206_NP0_50V	2
100uF	Capacitor, Tantalum, 100 uF, +/- 10%, -55 to 125 degC, 2-Pin SMD, RoHS, Tape and Reel	C13	KEMT-T491-D_L	CMP-1664-00011-1	1
6n8	Capacitor SMD Cer 6.8nF 5% 50V NP0 1206	C14, C15	CAPC3216X180N	CAPC_6n8_1206_NP0_50V	2
approved sub OK	Capacitor SMD Cer 1nF 10% 100V X7R 0603	C19	CAPC1608X90N	CAPC_1n_0603_X7R_100V_10%	1
1N4007	1 A Rectifier Diode, 1000 V, -65 to 175 degC, 2-Pin DO-214AC	D1, D2	KESE-DO-214AC_V	CMP-0983-00001-1	2
BT A16-800SW3G	Triacs, Silicon Bidirectional Thyristor, 3-Pin TO-220, Pb-Free, Tube	D3_Ch0, D3_Ch1, D3_Ch2, D3_Ch3, D3_Ch4, D3_Ch5, D3_Ch6, D3_Ch7	ONSC-TO-220-3-221A-07	CMP-1070-00060-1	8
Header 3	Header, 3-Pin	DS1	HDR1X3	Header 3	1
Green	LED 0805 SMD Green 12mcd 569nm	ERR1_LED1_Ch0, LED1_Ch1, LED1_Ch2, LED1_Ch3, LED1_Ch4, LED1_Ch5, LED1_Ch6, LED1_Ch7	LED-0805-K	LED_SMD_Green_0805_12mcd	9
ESP32-WROOM-32D	WIFI MODULE 32MBITS SPI FLASH	ESP1	FP-ESP32-WROOM-32D-MFG	CMP-194065-000003-1	1
Header 2	Header, 2-Pin	FAN1, FAN2	HDR1X2	Header 2	2
Header 4	Header, 4-Pin	I1, UART1	HDR1X4	Header 4	2
Header 10X2	Header, 10-Pin, Dual row	P1	HDR2X10	Header 10X2	1
Header 6	Header, 6-Pin	PH1	HDR1X6	Header 6	1
BD139G	Plastic Medium-Power Silicon NPN Transistor, 3-Pin TO-225, Pb-Free, Bulk Box	Q2, Q3	ONSC-TO-225-3-77-09	CMP-1048-01269-1	2
MOC3041M	OPTOISOLATOR 4.17KV TRIAC 6DIP	Q6_Ch0, Q6_Ch1, Q6_Ch2, Q6_Ch3, Q6_Ch4, Q6_Ch5, Q6_Ch6, Q6_Ch7	FP-646BX-MFG	CMP-07144-000005-1	8
Res3	Resistor	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16	J1-0603	Res3	16
360	Resistor	R17_Ch0, R17_Ch1, R17_Ch2, R17_Ch3, R17_Ch4, R17_Ch5, R17_Ch6, R17_Ch7	AXIAL-0.4	Res2	8
470	Resistor	R18_Ch0, R18_Ch1, R18_Ch2, R18_Ch3, R18_Ch4, R18_Ch5, R18_Ch6, R18_Ch7	J1-0603	Res3	8
470	Resistor	R19_Ch0, R19_Ch1, R19_Ch2, R19_Ch3, R19_Ch4, R19_Ch5, R19_Ch6, R19_Ch7	AXIAL-0.4	Res2	8
67	Resistor	R20_Ch0, R20_Ch1, R20_Ch2, R20_Ch3, R20_Ch4, R20_Ch5, R20_Ch6, R20_Ch7	J1-0603	Res3	8
Red	LED 0805 SMD Red 6mcd 621nm	RX1, TX1, WIFI1	LED-0805-K	LED_SMD_Red_0805_6mcd	3
Alternate part: 3100-932	Speaker, Magnetic Transducer	Speaker1	BUZZER_12.0X8.5MM	BZ_12x8.5x6.5_2kHz	1
PCA9635PW/Q800,118	Fm+ I2C-Bus LED Driver with 126 I2C Address, 16Bits, 1000 kHz, 2.3 to 5.5 V, -40 to 85 degC, 28-Pin TSSOP (SOT361-1), RoHS, Reel	U1	SOT361-1_V	CMP-1268-00014-1	1
DS3231SN	Extremely Accurate I2C-Integrated Real-Time Clock/TCXO/Crystal, 16-Pin SO, -40 to 85 degC	U2	W16-H2_L	CMP-0254-00293-1	1
AMS1117-3.3	LDO Voltage Regulators 1A, 3.3V	U3	FP-AMS1117-IPC_B	CMP-209535-000001-1	1
AMS1117-5.0	LDO Voltage Regulators 1A, 3.3V	U4	FP-AMS1117-IPC_B	CMP-209535-000001-1	1