

Report Generated From Altium Designer

#	Comment	Description	Designator	Footprint	LibRef	Quantity
1	HLK-PM01		3	HLK-PM01	HLK-PM01	1
2	1729128	PCB Terminal Block, 13.5 A, 400 V, 2-Pin THD, RoHS, Bulk	220V, J1_Canal0, J1_Canal1, J1_Canal2, J1_Canal3, J1_Canal4, J1_Canal5, J1_Canal6, J1_Canal7	PHOE-17291 28-2_V	CMP-2000-05 815-1	9
3	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)	A1	TI-DGS10_N	CMP-0003-00 374-2	1
4	Header 4X2	Header, 4-Pin, Dual row	A1	HDR2X4	Header 4X2	1
5	Header 3X2A	Header, 3-Pin, Dual row	A2	HDR2X3_CE N	Header 3X2A	1
6	TVAF06	Switch, SPST Push Button, 50 mA, 12 V DC, SMD, -30 to 85 degC, RoHS	BOOT, RST	JNFU-TVAF0 6_V	CMP-0587-00 001-2	2
7	Battery	Multicell Battery	BT1	BAT-2	Battery	1
8	796136-1	Battery Connector, 1 Cell, CR2032, 2-Pin SMD, RoHS, Tape and Reel	BT2	TECO-79613 6-1_V	CMP-1684-00 006-2	1
9	Cap Semi	Capacitor (Semiconductor SIM Model)	C1, C2, C3, C4, C6, C7, C8, C20	C1206	Cap Semi	8
10	T520	Tantalum Capacitor, 330 uF, +/- 20%, 2.5 V, -55 to 105 degC, 2-Pin Molded, RoHS, Tape and Reel	C9, C10, C11	KEMT-520-B- 2_M	CMP-1664-00 002-2	3
11	6n8	Capacitor SMD Cer 6.8nF 5% 50V NP0 1206	C12, C13, C15, C16	CAPC3216X1 80N	CAPC_6n8_1 206_NP0_50 V	4
12	T491D107K010AT	Capacitor, Tantalum, 100 uF, +/- 10%, -55 to 125 degC, 2-Pin SMD, RoHS, Tape and Reel	C14	KEMT-T491- D_L	CMP-1664-00 011-1	1
13	T520B337M2R5ATE04 5	Tantalum Capacitor, 330 uF, +/- 20%, 2.5 V, -55 to 105 degC, 2-Pin Molded, RoHS, Tape and Reel	C17, C18, C19	KEMT-520-B- 2_M	CMP-1664-00 002-2	3
14	1N4148WT-7	Surface Mount Fast Switching Diode, -65 to 150 degC, 2-Pin SOD523, RoHS, Tape and Reel	D2, D4	DIOD-SOD52 3-2_V	CMP-2000-05 518-1	2
15	1N4007	1 A Rectifier Diode, 1000 V, -65 to 175 degC, 2-Pin DO-214AC	D5, D6	KESE-DO-21 4AC_V	CMP-0983-00 001-1	2
16	BTA16-800SW3G	Triacs, Silicon Bidirectional Thyristor, 3-Pin TO-220, Pb-Free, Tube	D7_Canal0, D7_Canal1, D7_Canal2, D7_Canal3, D7_Canal4, D7_Canal5, D7_Canal6, D7_Canal7	ONSC-TO-22 0-3-221A-07	CMP-1070-00 060-1	8
17	Header 3	Header, 3-Pin	DS18B20	HDR1X3	Header 3	1
18	Green	LED 0805 SMD Green 12mcd 569nm	ERR, LED_Canal0, LED_Canal1, LED_Canal2, LED_Canal3, LED_Canal4, LED_Canal5, LED_Canal6, LED_Canal7	LED-0805-K	LED_SMD_G reen_0805_1 2mcd	9
19	ESP32-WROOM-32D	WIFI MODULE 32MBITS SPI FLASH	ESP32	FP-ESP32-W ROOM-32D- MFG	CMP-194065- 000003-1	1
20	Header 2	Header, 2-Pin	FAN1, FAN2	HDR1X2	Header 2	2
21	Header 4	Header, 4-Pin	I2C, UART	HDR1X4	Header 4	2
22	Header 10X2	Header, 10-Pin, Dual row	P1	HDR2X10	Header 10X2	1
23	Header 6	Header, 6-Pin	PH	HDR1X6	Header 6	1
24	PNP	PNP Bipolar Transistor	Q1	SOT-23B N	PNP	1
25	BD139G	Plastic Medium-Power Silicon NPN Transistor, 3-Pin TO-225, Pb-Free, Bulk Box	Q3, Q4	ONSC-TO-22 5-3-77-09	CMP-1048-01 269-1	2
26	BSS138	N-Channel Logic Level Enhancement	Q5, Q6	FAIR-SOT23-	CMP-1670-00	2

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		Mode Field Effect Transistor, 220 mA, 50 V, -55 to 150 degC, 3-Pin SOT-23, RoHS, Tape and Reel		3_V	009-1	
27	MOC3041M	OPTOISOLATOR 4.17KV TRIAC 6DIP	Q7_Canal0, Q7_Canal1, Q7_Canal2, Q7_Canal3, Q7_Canal4, Q7_Canal5, Q7_Canal6, Q7_Canal7	FP-646BX-M FG	CMP-07144-0 800005-1	
28	Res3	Resistor	R1, R2, R3, R4, R5, R6, R7, R8, R13, R14, R16, R17, R18, R19, R20, R21, R22, R23, R25_Canal0, R25_Canal1, R25_Canal2, R25_Canal3, R25_Canal4, R25_Canal5, R25_Canal6, R25_Canal7, R26_Canal0, R26_Canal1, R26_Canal2, R26_Canal3, R26_Canal4, R26_Canal5, R26_Canal6, R26_Canal7	J1-0603	Res3	34
29	Res2	Resistor	R24_Canal0, R24_Canal1, R24_Canal2, R24_Canal3, R24_Canal4, R24_Canal5, R24_Canal6, R24_Canal7, R27_Canal0, R27_Canal1, R27_Canal2, R27_Canal3, R27_Canal4, R27_Canal5, R27_Canal6, R27_Canal7	AXIAL-0.4	Res2	16
30	Red	LED 0805 SMD Red 6mcd 621nm	RX, TX, WiFi	LED-0805-K	LED_SMD_R 3ed_0805_6mcd	
31	Alternate part: 3100-932	Speaker, Magnetic Transducer	Speaker	BUZZER_12.0X8.5MM	BZ_12x8.5x6.5 2kHz	1
32	PCA9635PW/Q900,118	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-1268-00 1014-1	1
33	DS3231SN	Extremely Accurate I2C-Integrated Real-Time Clock/TCXO/Crystal, 16-Pin SO, -40 to 85 degC	U2	W16-H2_L	CMP-0254-00 1293-1	1
34	AMS1117-5.0	LDO Voltage Regulators 1A, 3.3V	U3, U4	FP-AMS1117-IPC B	CMP-209535- 2000001-1	