



Bill of Materials

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Source Data From: Module.PrjPcb
 Project: Module.PrjPcb
 Variant: None

Creation Date: 9/12/2019 11:47:48 AM
 Print Date: 43720 43720.49158

Footprint	Comment	LibRef	Designator	Description	Quantity
PIN CR1220-SMD	PIN 3V	PIN 3V	BT1	Lithium Battery Holder for CR2032 3V Cell	1
SM-0805	104	CM	C1, C2, C3, C4, C5, C7, C11, C13	Cap SMD	8
WCAP-AS5H_6.3x5.5	47uF/16V	CP3	C6, C10	Cap 100uF/35V - 470uF/16V	2
CAPMP3216X180N	10u	CAPT_10u_0805_10V	C8	Capacitor SMD Tantalum 10uF 20% 10V 0805	1
WCAP-AS5H_8x10.5	100uF/35V	CP3	C12	Cap 100uF/35V - 470uF/16V	1
DO-214AA_Unidirectional	TVS P6KE30A	DZ	D1, D2	Diode Zenner	2
DIOS1S2P1406H	12V	DIODE Zener	DZ5, DZ7, DZ8, DZ10, DZ11, DZ13, DZ16	DIODE GEN PURP 75V 200MA L LDS	8
MODULE_ESP-WROOM-32	Wroom 32D	ESP-WROOM-32	ESP1		1
Hed2X10S	Header 10x2	HED10X2	HD1	Header 10x2	1
KF211V- 2	Header 2	Hed2	HDN1	Header 2 (Green)	1
SOT223-4N	LM1117	LM1117	IC1	3v3	1
KF211V- 2	12V	Hed2	INPUT-DC1, OUT-DC1	Header 2 (Green)	2
JP3x2	Connector 3x2	JP3x2	J-IN1	Connector 3x2	1
JP2	Jumper 2	JP 2	JC9, JC10, JC11, JC12, JC13, JC14, JC16	Jumper 2	8
JP3	JP3	Con3	JD211RXASK, JTX001	Connector 3	2
KF211V- 8	Header 8	KF 8	KFD	KF211R-5.0	1
KF211V- 16	Header 16	KF 16	KFIN1	KF211R-5.0	1
LED0805	LED	LED	LED9, LED10, LED11, LED12, LED13, LED14, LED15, LED16, LED17, LED18	LED Single colour Green and Red	10
SM-DLB20A	SM-DLB20A-20W	SM-DLB20A-20W	N1		1
SO-16	TLP2904	PC817 x 4	OPTO2, OPTO4	PC817 OPTO	2
6130042112	61300421821	JP2x2 2.54MM	PRO	2.54 mm Dual Socket Header, 04p	1
R-0805	100	R	R1, R7	Resistor 1/4W	2
R-0805	1k	R	R2, R4, R5, R6	Resistor 1/4W	4
R-0805	10k	R	R3	Resistor 1/4W	1
RES P4 Dual	1K	Respack 4 Dual	RN3, RN4, RNT1		3
0805/2012	SW-SMD	SW-SMD	RST1	Switch	1
SOIC127P75	DS3231	DS3231	RTC1	I2C RTC/TCXO/Crystal	1
0X1030-16N					
SM-1206	1k	R	RZ5, RZ7, RZ8, RZ10, RZ11, RZ13, RZ16	Resistor 1/4W	8
69307101081	69307101081	SD-69307101081	SD1	Micro SD Card Connector Push & Push - pins	1
SW8-416131160808	TDA08H0SB1	SW 8P	SW1	WS-DITV 2.54 mm small compact THT w raised actuator, 8p	1
SW2-D2	SW	SW4	SW2	Switch button 4 pin	1
TSSOP65P4	TXB0108	TXB0108	U1		1
0X650-20N					
SSOP65P534	4067	MUX-74HC4067	UI1	MUX-74HC4067	1
X850-24N					
6140082602	61400826021	USB 2.0 Type A Female THR Stacked	USB1	USB 2.0 Type A Female THR Stacked	1
692141030100	692141030100	USB 3.0 Type A Female THR Stacked	USB 1	USB 3.0 Type A	1
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Approved	Notes