







Component list

Source Data From:

Project:

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Altium
Think it, Design it, Build it™

#	Designator	Quantity	Vendor	PartNumber	Description	Manufacturer	Comment
1	C1, C2	2	Digi-Key	C0603C180J5GACTU	CAP CER 18PF 50V 5% NP0 0603	Kemet	18pF
2	C3, C7, C10	3	Digi-Key	GRM188R71C104KA01D	CAP CER 0.1UF 16V 10% X7R 0603	Murata	0.1uF
3	C4	1	Digi-Key	T495C227K006ATE225	CAP TANT 220UF 6.3V 10% 2312	Kemet	220uF
4	C6, C9, C11, C12	4	Digi-Key	CL31B106KAHNNNE	CAP CER 10UF 25V 10% X7R 1206	Samsung	10uF
5	C8	1	Digi-Key	C1608X7R1C105K080AC	CAP CER 1UF 16V 10% X7R 0603	TDK	1uF
6	D2	1	Digi-Key	HSMA-C190	LED 595NM AMB DIFF 0603 SMD	Avago	LED_0603
7	H1	1	Aliexpress	ESP8266			
8	H3	1	Digi-Key	0901200764	CONN HEADER 4POS .100" STR GOLD	Molex	CON4
9	H4	1	Digi-Key	1981584-1	CONN RCPT MICRO USB TYPE AB	TE Connectivity	Micro USB
10	R1	1	Digi-Key	ERJ-3EKF1002V	RES SMD 10K OHM 1% 1/10W 0603	Panasonic	10K
11	R2, R3	2	Digi-Key	ERJ-3EKF22R0V	RES SMD 22 OHM 1% 1/10W 0603	Panasonic	22R
12	R4	1	Digi-Key	ERJ-3EKF1001V	RES SMD 1K OHM 1% 1/10W 0603	Panasonic	1K
13	R5, R6	2	Digi-key	ERJ-3EKF4701V	RES SMD 4.7K OHM 1% 1/10W 0603	Panasonic	4.7K
14	U1	1	Digi-Key	ATMEGA32U4-MU	IC MCU 8BIT 32KB FLASH 44QFN	Atmel	ATmega32U4
15	U2	1	Digi-Key	AP1117E33G-13	IC REG LDO 3.3V 1A SOT223-3	Diodes Inc	AP1117E33G-13
16	X1	1	Digi-Key	ABM8-16.000MHZ-B2-T	CRYSTAL 16.000MHZ 18PF SMD	Abracon	16Mhz

Approved

Notes