

Bill of Materials: SensESP.fzz

/Users/admin/Documents/Electronics/Fritzing/PCB/SensESP-PCB/SensESP.fzz

Sunday, May 24 2020, 13:42:53

Assembly List

Label	Part Type	Properties
C3	Electrolytic Capacitor	capacitance 0.47mF; voltage 35V; package 100 mil [THT, electrolytic]
D4	Schottky Diode	type Schottky; package 300 mil [THT]; part # 1N5817
D5	Schottky Diode	type Schottky; package 300 mil [THT]; part # 1N5817
D6	Schottky Diode	type Schottky; package 300 mil [THT]; part # 1N5817
J1	Camdenboss CTB0158-2	variant 90° 2 connector; pins 2; hole size 2.7mm; pin spacing 0.2in (5.08mm); package THT; part # CTB0158-2
J5	Generic female header - 4 pins	pins 4; row single; hole size 1.0mm,0.508mm; form ♀ (female); pin spacing 0.1in (2.54mm); package THT
J6	Generic female header - 4 pins	pins 4; row single; hole size 1.0mm,0.508mm; form ♀ (female); pin spacing 0.1in (2.54mm); package THT
J7	Generic female header - 4 pins	pins 4; row single; hole size 1.0mm,0.508mm; form ♀ (female); pin spacing 0.1in (2.54mm); package THT
J8	Generic female header - 4 pins	pins 4; row single; hole size 1.0mm,0.508mm; form ♀ (female); pin spacing 0.1in (2.54mm); package THT
JP6	Header 2	variant polar_lock; package molex-1x2_lock
JP7	Header 2	variant polar_lock; package molex-1x2_lock
R1	330Ω Resistor	bands 5; tolerance ±5%; resistance 330Ω; pin spacing 400 mil; package THT
R2	4.7kΩ Resistor	bands 5; tolerance ±5%; resistance 4.7kΩ; pin spacing 400 mil; package THT
SW1	DIP Switch 8 Position	channels 8; package dipswitch-08
U4	SBX DSUN	variant variant 3; pins 4; form ♀ (female rounded); package THT
WeMos D1 Mini1	WeMos D1 Mini	headers male above; variant variant 1; cpu ESP-8266EX

Shopping List

Amount	Part Type	Properties
1	Electrolytic Capacitor	capacitance 0.47mF; voltage 35V; package 100 mil [THT, electrolytic]
3	Schottky Diode	type Schottky; package 300 mil [THT]; part # 1N5817
1	Camdenboss CTB0158-2	variant 90° 2 connector; pins 2; hole size 2.7mm; pin spacing 0.2in (5.08mm); package THT; part # CTB0158-2
4	Generic female header - 4 pins	pins 4; row single; hole size 1.0mm,0.508mm; form ♀ (female); pin spacing 0.1in (2.54mm); package THT
2	Header 2	variant polar_lock; package molex-1x2_lock
1	330Ω Resistor	bands 5; tolerance ±5%; resistance 330Ω; pin spacing 400 mil; package THT
1	4.7kΩ Resistor	bands 5; tolerance ±5%; resistance 4.7kΩ; pin spacing 400 mil; package THT
1	DIP Switch 8 Position	channels 8; package dipswitch-08
1	SBX DSUN	variant variant 3; pins 4; form ♀ (female rounded); package THT
1	WeMos D1 Mini	headers male above; variant variant 1; cpu ESP-8266EX

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