Bill of Materials: Arduino_Serra.fzz

C:/Users/Utente/Documents/GitHub/SerrArduino/Arduino_Serra.fzz

venerdì, maggio 29 2020, 17:27:59

Assembly List

Label	Part Type	Properties
Componente1	Arduino Uno (Rev3)	tipo Arduino UNO (Rev3)
DHT11	DHT11 Humitidy and Temperature Sensor	
ENCODER1	Rotary Encoder with switch (KY-040)	variant KY-040; part number KY-040
J1	Basic Servo	
LCD1	LCD screen	tipo Character; pins 16
M1	DC Motor	
Modulo Motore	L293D	package THT; variant L293D
Part1	KY-022 Infrared Receiver Module	operating voltage 2.7V to 5.5V; variant variant 1; operating current 0.4 ~ 1.5 mA; low level voltage 0.4V; reception distance 18m; high level voltage 4.5V; ambient light filter up to 500LUX; pin spacing 300mil; dimensions 18.5mm x 15mm [0.728in x 0.591in]; editable pin labels false; reception angle ±45º; operating temperature -25°C to 80°C [-13°F to 176°F]; ir receiver 1838; chip label KY-022; package Breakout board; pins 3
R1	PHOTOCELL	package photocell-kit; variant pth-kit
R2	Trimmer Potentiometer	package THT; size Trimmer - 12mm; track Linear; tipo Trimmer Potentiometer; maximum resistance 10kΩ
R3	1k Ω Resistor	package THT; tolerance ±5%; bands 4; resistenza 1kΩ; pin spacing 400 mil
R4	Temperature Sensor (Thermistor)	resistance at 25° 10kΩ; package THT; thermistor type NTC; tipo thermistor
R5	10k Ω Resistor	package THT; tolerance ±5%; bands 4; resistenza 10kΩ; pin spacing 400 mil
R7	500 Ω Resistor	package THT; tolerance ±5%; bands 4; resistenza 500Ω; pin spacing 400 mil

Label	Part Type	Properties
R9	500 Ω Resistor	package THT; tolerance ±5%; bands 4; resistenza 500Ω; pin spacing 400 mil
Relè	KY-019 5V Relay Module	package Breakout board; dimensions 27mm x 34mm [1.063in x 1.338in]; maximum ac 10A 250VAC; operating voltage 5V ~ 12V; editable pin labels false; chip label KY-019; variant variant 1; pins 3; pin spacing 300mil; maximum dc 10A 30VDC
RTC Clock	Adafruit DS3231	variant variant 2; part number Adafruit #3013
S1	Toggle Switch	package THT; switching circuit SPDT
S2	Toggle Switch	package THT; switching circuit SPDT

Shopping List

Amount	Part Type	Properties
1	Arduino Uno (Rev3)	tipo Arduino UNO (Rev3)
1	DHT11 Humitidy and Temperature Sensor	
1	Rotary Encoder with switch (KY-040)	variant KY-040; part number KY-040
1	Basic Servo	
1	LCD screen	tipo Character; pins 16
1	DC Motor	
1	L293D	package THT; variant L293D
1	KY-022 Infrared Receiver Module	operating voltage 2.7V to 5.5V; variant variant 1; operating current 0.4 ~ 1.5 mA; low level voltage 0.4V; reception distance 18m; high level voltage 4.5V; ambient light filter up to 500LUX; pin spacing 300mil; dimensions 18.5mm x 15mm [0.728in x 0.591in]; editable pin labels false; reception angle ±45º; operating temperature -25°C to 80°C [-13°F to 176°F]; ir receiver 1838; chip label KY-022; package Breakout board; pins 3
1	PHOTOCELL	package photocell-kit; variant pth-kit
1	Trimmer Potentiometer	package THT; size Trimmer - 12mm; track Linear; tipo Trimmer Potentiometer; maximum resistance 10kΩ
1	1k Ω Resistor	package THT; tolerance ±5%; bands 4; resistenza 1kΩ; pin spacing 400 mil
1	Temperature Sensor (Thermistor)	resistance at 25° 10kΩ; package THT; thermistor type NTC; tipo thermistor

Amount	Part Type	Properties
1	10k Ω Resistor	package THT; tolerance ±5%; bands 4; resistenza 10kΩ; pin spacing 400 mil
2	500 Ω Resistor	package THT; tolerance ±5%; bands 4; resistenza 500Ω; pin spacing 400 mil
1	KY-019 5V Relay Module	package Breakout board; dimensions 27mm x 34mm [1.063in x 1.338in]; maximum ac 10A 250VAC; operating voltage 5V ~ 12V; editable pin labels false; chip label KY-019; variant variant 1; pins 3; pin spacing 300mil; maximum dc 10A 30VDC
1	Adafruit DS3231	variant variant 2; part number Adafruit #3013
2	Toggle Switch	package THT; switching circuit SPDT

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