

Bill of Materials: API.fzz

Assembly List

Label	Part Type	Properties
Arduino	Arduino Mega 2560 (Rev3)	Typ Arduino MEGA 2560 (Rev3)
BREAKOUT1	ULN2003A breakout board	Variante ULN2003A
DHT1	DHT22 Humidity and Temperature Sensor	
Display1	LCD screen 20x2 IIC	characters 20x2; Bauteilnummer 101290
HC-SR04	Ultrasonic Ranging Module HC-SR04	
IR1	TSOP312..., 314..	row single; Paket THT; Beinchen 3; Beinchenabstand 0.1in (2.54mm)
J1	Piezo Speaker	
J2	Basic Servo	
LED1	Blue (430nm) LED	Farbe Blue (430nm); Paket 5 mm [THT]; leg yes
LED2	Green (555nm) LED	Farbe Green (555nm); Paket 5 mm [THT]; leg yes
LED3	Yellow (595nm) LED	Farbe Yellow (595nm); Paket 5 mm [THT]; leg yes
LED4	Red (633nm) LED	Farbe Red (633nm); Paket 5 mm [THT]; leg yes
LED5	Blue (430nm) LED	Farbe Blue (430nm); Paket 5 mm [THT]; leg yes
LED6	Green (555nm) LED	Farbe Green (555nm); Paket 5 mm [THT]; leg yes
MOTOR1	28BYJ-48 Stepper Motor	Variante variant 1
PIR1	PIR sensor HC-SR501	
R1	100Ω Resistor	Toleranz ±5%; Paket THT; Widerstand 100Ω; Beinchenabstand 400 mil; bands 4
R2	100Ω Resistor	Toleranz ±5%; Paket THT; Widerstand 100Ω; Beinchenabstand 400 mil; bands 4
R3	200Ω Resistor	Toleranz ±5%; Paket THT; Widerstand 200Ω; Beinchenabstand 400 mil; bands 4
R4	200Ω Resistor	Toleranz ±5%; Paket THT; Widerstand 200Ω; Beinchenabstand 400 mil; bands 4
R5	Photocell (LDR)	resistance@ dark 300 kOhms@ 10 seconds; resistance@ luminance 16 kOhms@ 10 lux; Paket THT
R6	200Ω Resistor	Toleranz ±5%; Paket THT; Widerstand 200Ω; Beinchenabstand 400 mil; bands 4
R7	1kΩ Resistor	Toleranz ±5%; Paket THT; Widerstand 1kΩ; Beinchenabstand 400 mil; bands 4
R8	1kΩ Resistor	Toleranz ±5%; Paket THT; Widerstand 1kΩ; Beinchenabstand 400 mil; bands 4

R9	100Ω Resistor	Toleranz ±5%; Paket THT; Widerstand 100Ω; Beinchenabstand 400 mil; bands 4
R10	100Ω Resistor	Toleranz ±5%; Paket THT; Widerstand 100Ω; Beinchenabstand 400 mil; bands 4
RC522	RFID-RC522-v3	Variante variant 1
S1	Pushbutton	Paket [THT]
S2	Pushbutton	Paket [THT]
Soil Moisture Sensor	Soil Moisture Sensor	Variante Soil Moisture Sensor
ZS-042 RTC1	ZS-042 RTC Module	Variante variant 4; chip DS3231

Exported with Fritzing 0.9.3- <http://fritzing.org>