

# Bill of Materials: Main Circuit.fzz

## Assembly List

Label	Part Type	Properties
D1	Rectifier Diode	type Rectifier; package 300 mil [THT]; part # 1N4001
DHT1	DHT11 Humitidy and Temperature Sensor	
JACK1	2.1mm DC Barrel Jack	
JP1	Header 2	package screwterminal-3.5mm-2_lock; variant 3.5mm_lock
JP2	Header 1	package snap-female; variant snap-female
JP3	Header 1	package snap-female; variant snap-female
JP4	Header 1	package snap-female; variant snap-female
JP5	Header 1	package snap-female; variant snap-female
JP6	Header 1	package snap-female; variant snap-female
JP7	Header 1	package snap-female; variant snap-female
LED1	Red (633nm) LED	color Red (633nm); leg yes; package 5 mm [THT]
Nano	Arduino Nano (Rev3.0)	type Arduino Nano (3.0)
Q1	NPN-Transistor	type NPN (ECB); package TO92 [THT]
R1	220Ω Resistor	package THT; tolerance ±5%; resistance 220Ω; bands 4; pin spacing 400 mil
R3	220Ω Resistor	package THT; tolerance ±5%; resistance 220Ω; bands 4; pin spacing 400 mil
R4	1kΩ Resistor	package THT; tolerance ±5%; resistance 1kΩ; bands 4; pin spacing 400 mil
R5	220Ω Resistor	package THT; tolerance ±5%; resistance 220Ω; bands 4; pin spacing 400 mil
U2	RELAY	package relay-t9a; variant pth2

## Shopping List

Amount	Part Type	Properties
1	Rectifier Diode	type Rectifier; package 300 mil [THT]; part # 1N4001
1	DHT11 Humitidy and Temperature Sensor	

Amount	Part Type	Properties
1	2.1mm DC Barrel Jack	
1	Header 2	package screwterminal-3.5mm-2_lock; variant 3.5mm_lock
6	Header 1	package snap-female; variant snap-female
1	Red (633nm) LED	color Red (633nm); leg yes; package 5 mm [THT]
1	Arduino Nano (Rev3.0)	type Arduino Nano (3.0)
1	NPN-Transistor	type NPN (ECB); package TO92 [THT]
3	220Ω Resistor	package THT; tolerance ±5%; resistance 220Ω; bands 4; pin spacing 400 mil
1	1kΩ Resistor	package THT; tolerance ±5%; resistance 1kΩ; bands 4; pin spacing 400 mil
1	RELAY	package relay-t9a; variant pth2

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