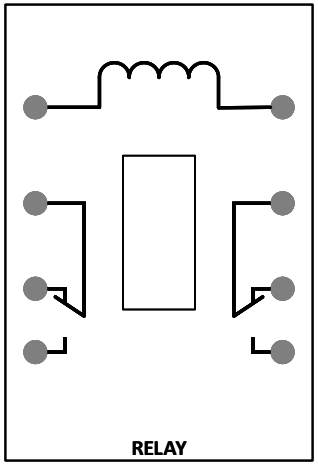

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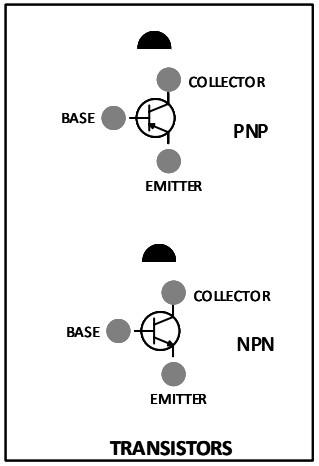

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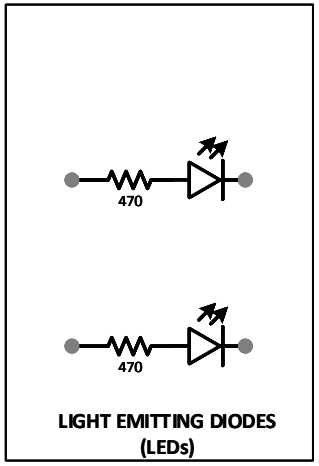
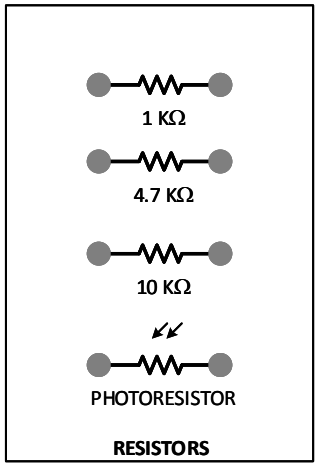


LIGHT EMITTING DIODES (LEDs)



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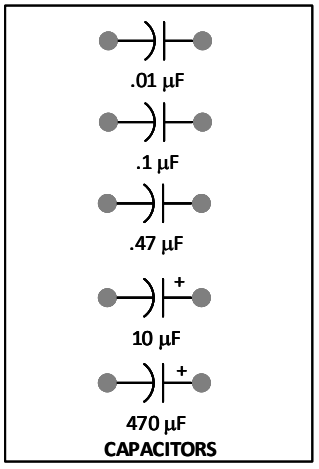
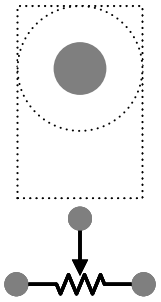
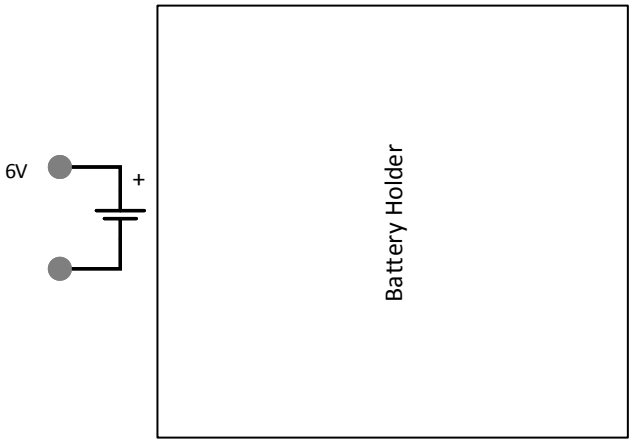


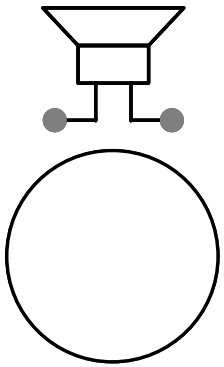
CAPACITORS



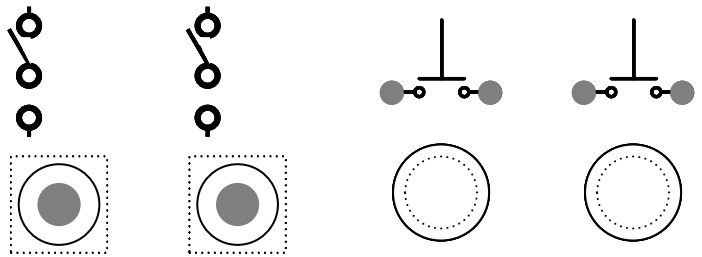
100K Ω POTENTIOMETER

Breadboard





8 Ω SPEAKER

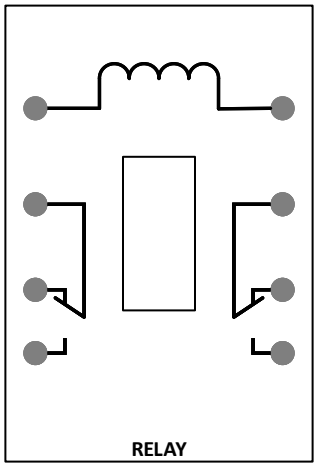


SPDT 1 SPDT 2 MOMENTARY SW1 MOMENTARY SW2

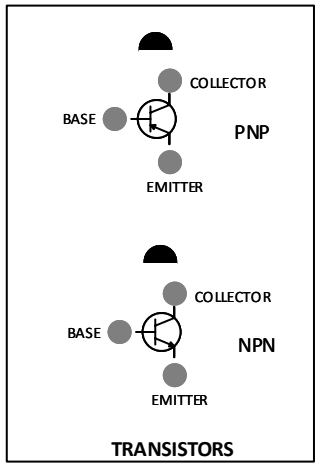
Resistor Color Coding
Codificación del color del resistor

	Ring 1	Ring 2	Ring 3	Multiplier	Tolerance
silver/plata	-	-	-	0.01 Ω	
gold/oro	-	-	-	0.1 Ω	
black/negro	-	-	0	x 1Ω	
brown/marrón	1	1	1	x 10Ω	±1%
red/rojo	2	2	2	x 100Ω	
orange/naranja	3	3	3	x 1 KΩ	±2%
yellow/amarillo	4	4	4	x 10 KΩ	±5%
green/verde	5	5	5	x 100 KΩ	
blue/azul	6	6	6	x 1 MΩ	
purple/púrpura	7	7	7	x 1Ω	
gray/gris	8	8	8	x 1Ω	±10%
white/blanco	9	9	9	x 1Ω	

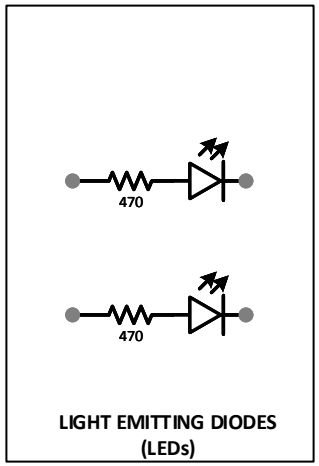
Iglesia Bautista Conservadora de Zamora | Pastor Juventino Martinez Zúniga | pastortino2006@yahoo.com.mx



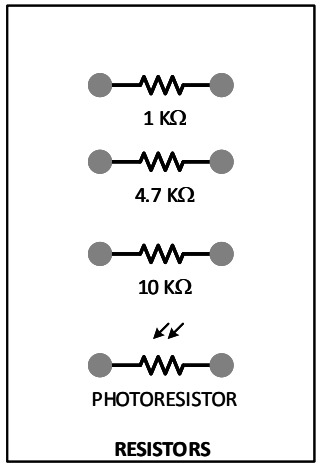
RELAY



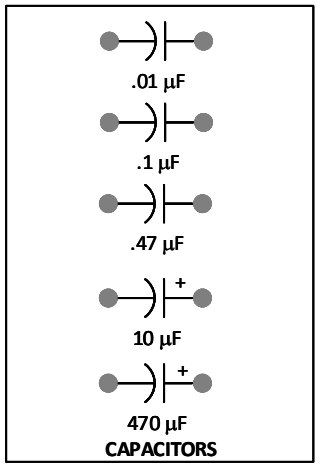
TRANSISTORS



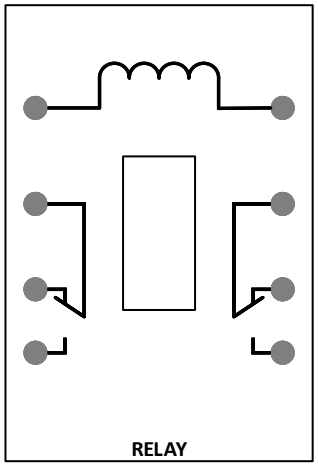
LIGHT EMITTING DIODES (LEDs)



RESISTORS



CAPACITORS



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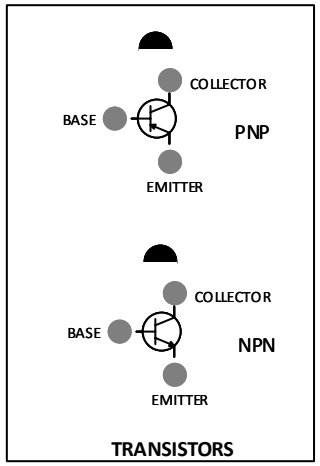

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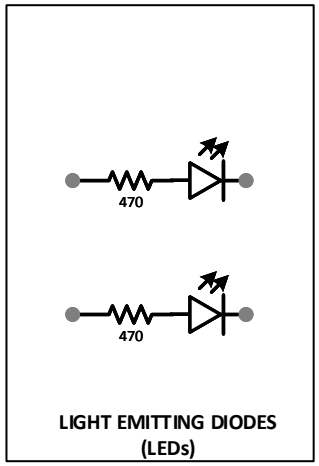
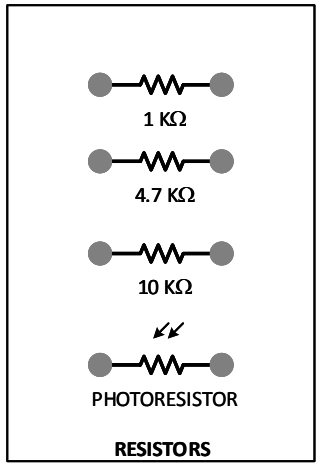


LIGHT EMITTING DIODES (LEDs)



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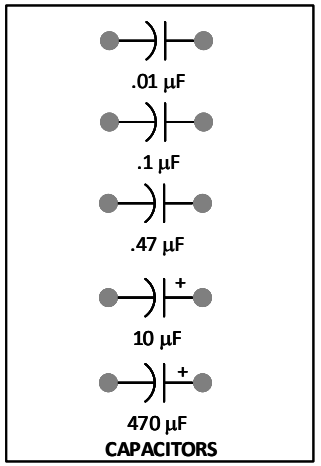

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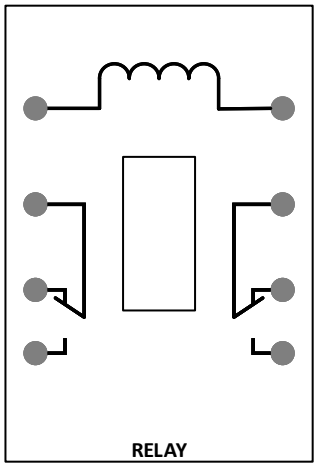

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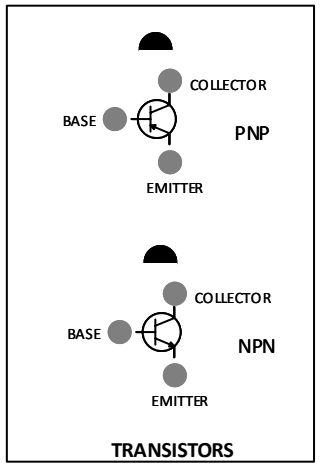

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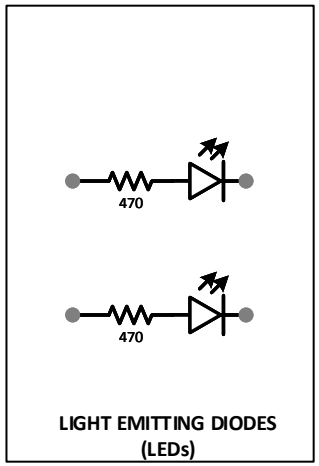
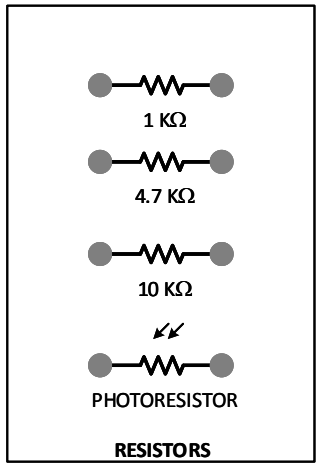
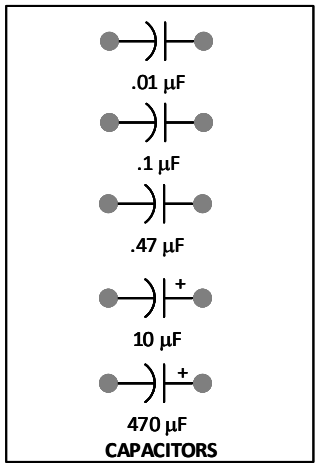


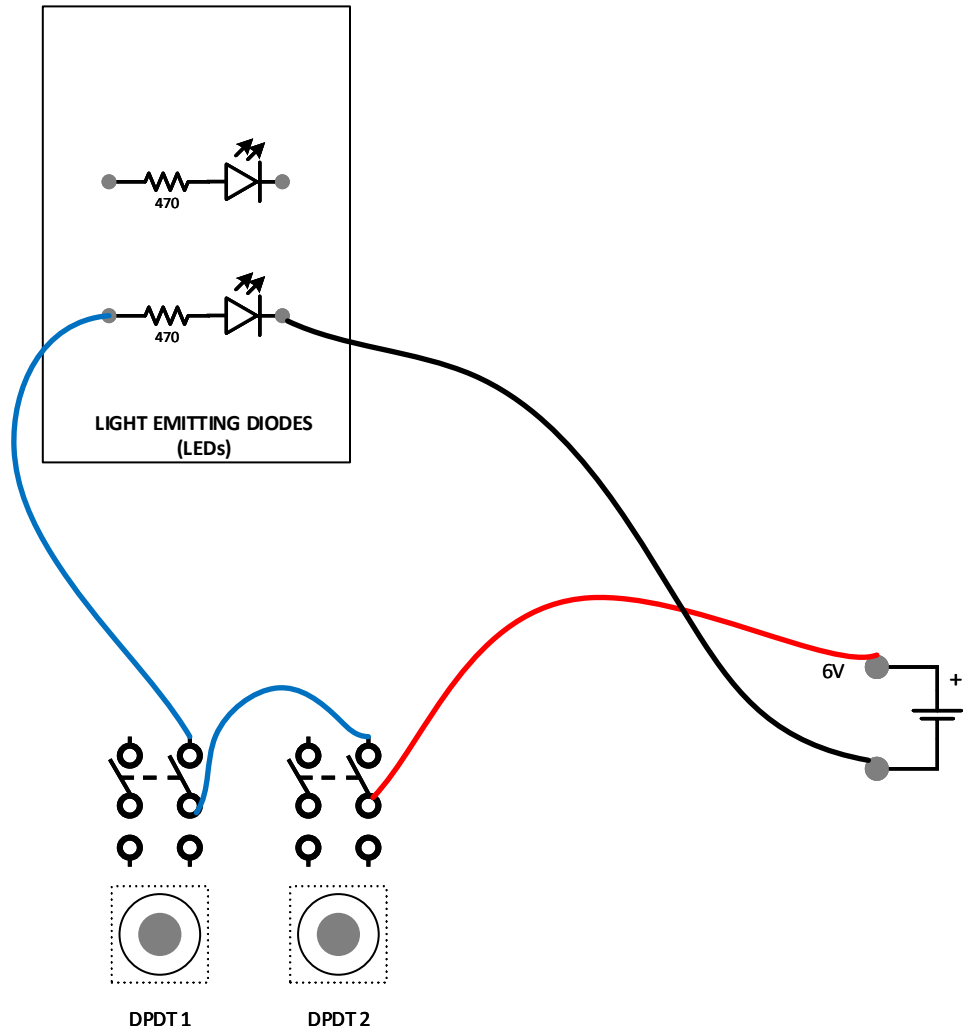
LIGHT EMITTING DIODES (LEDs)



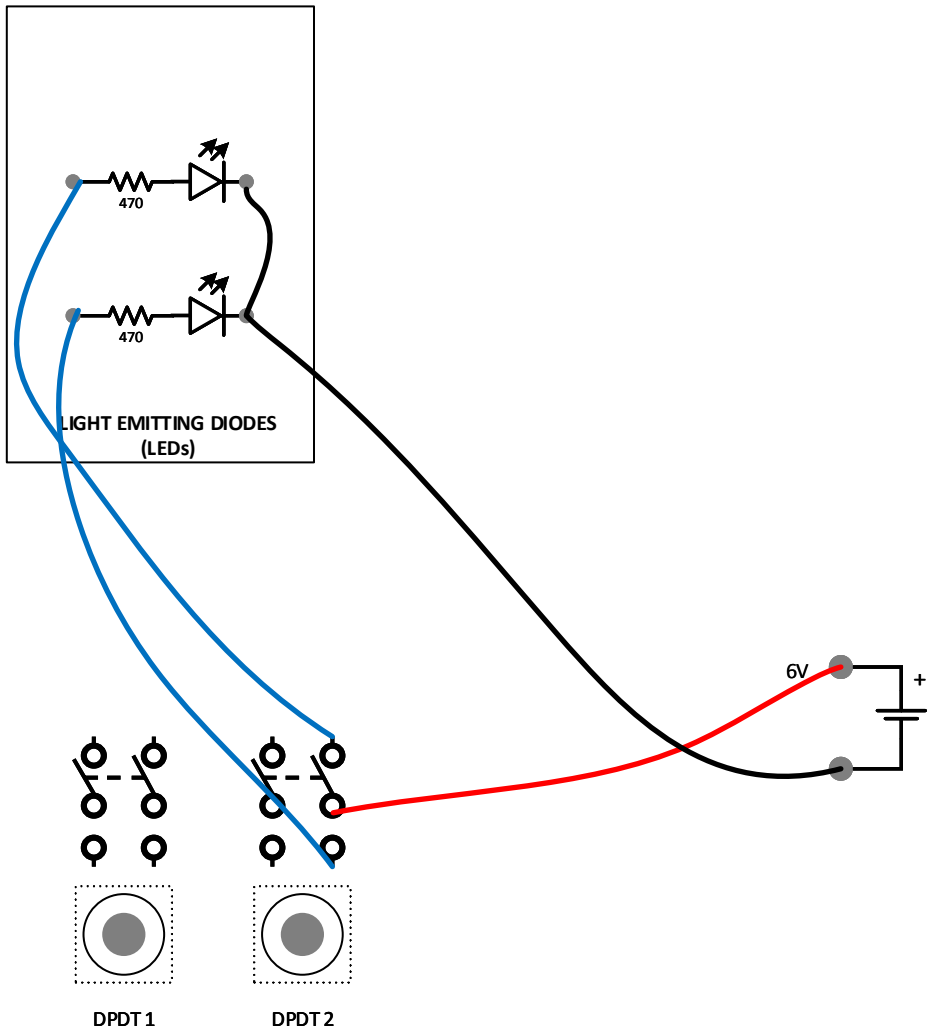
RESISTORS



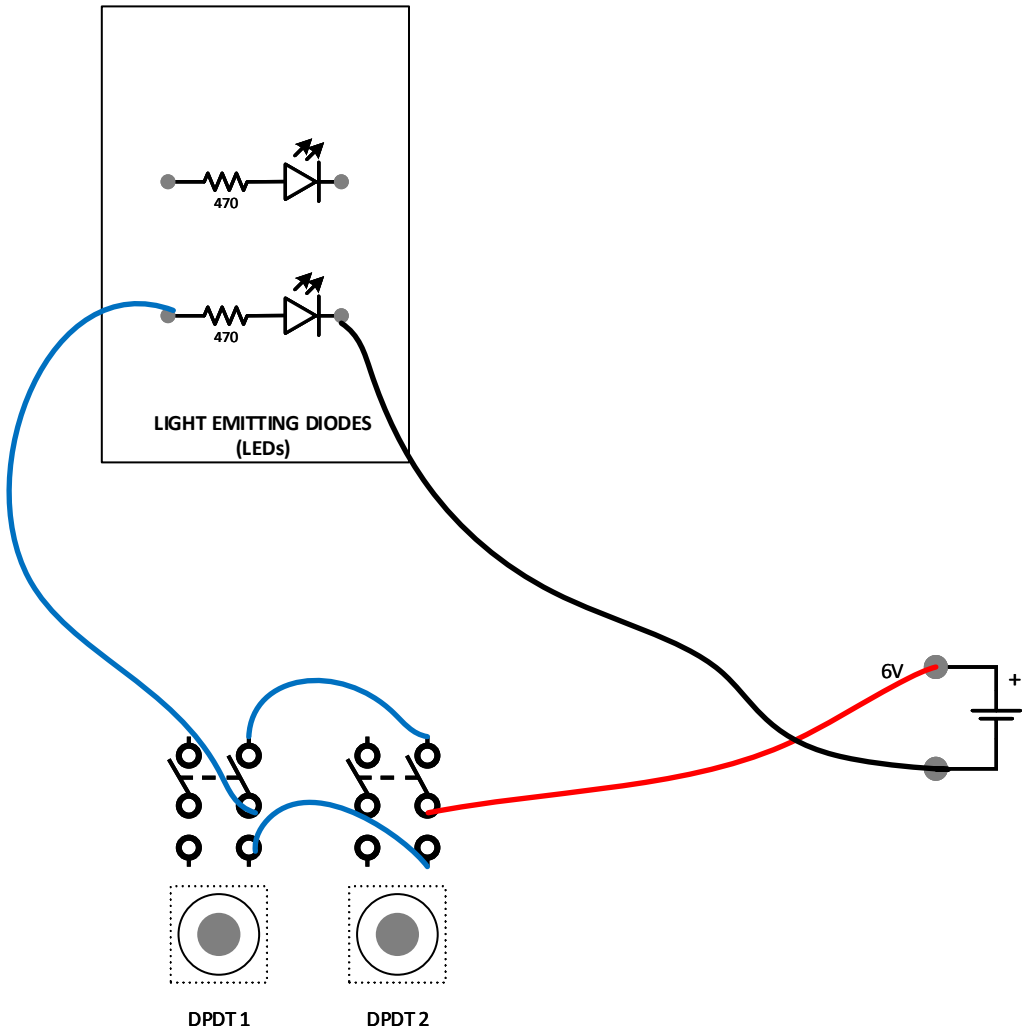
CAPACITORS



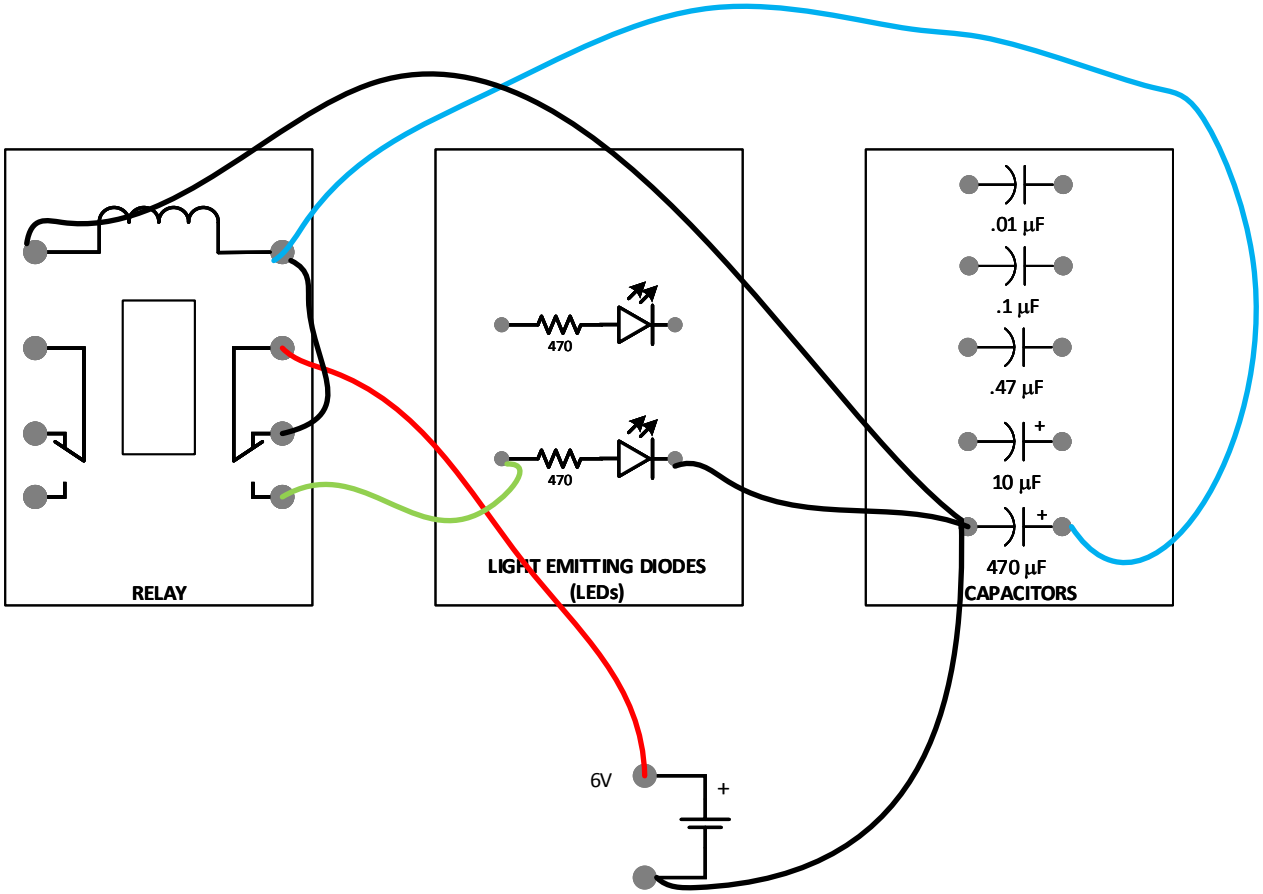
Switch in Series



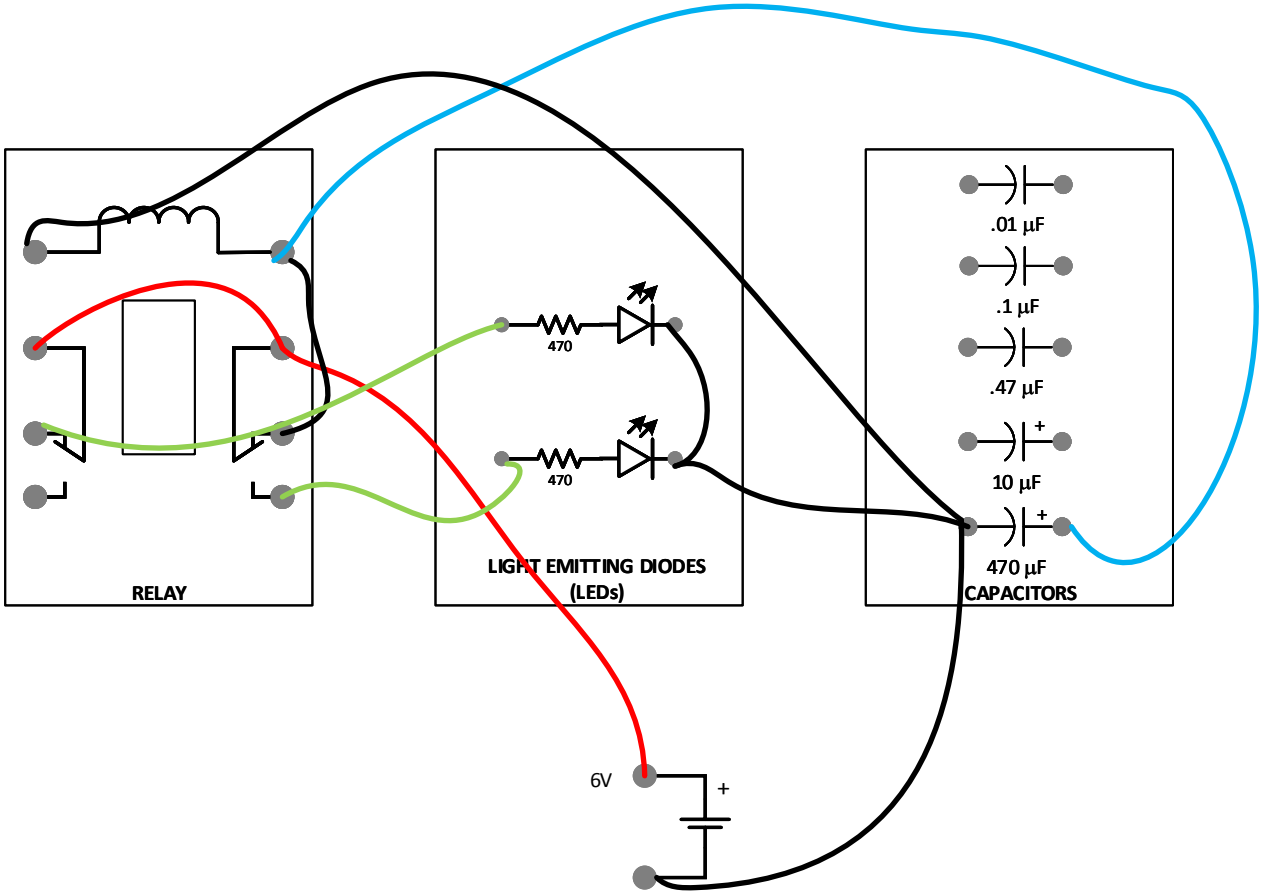
Either-or Switch



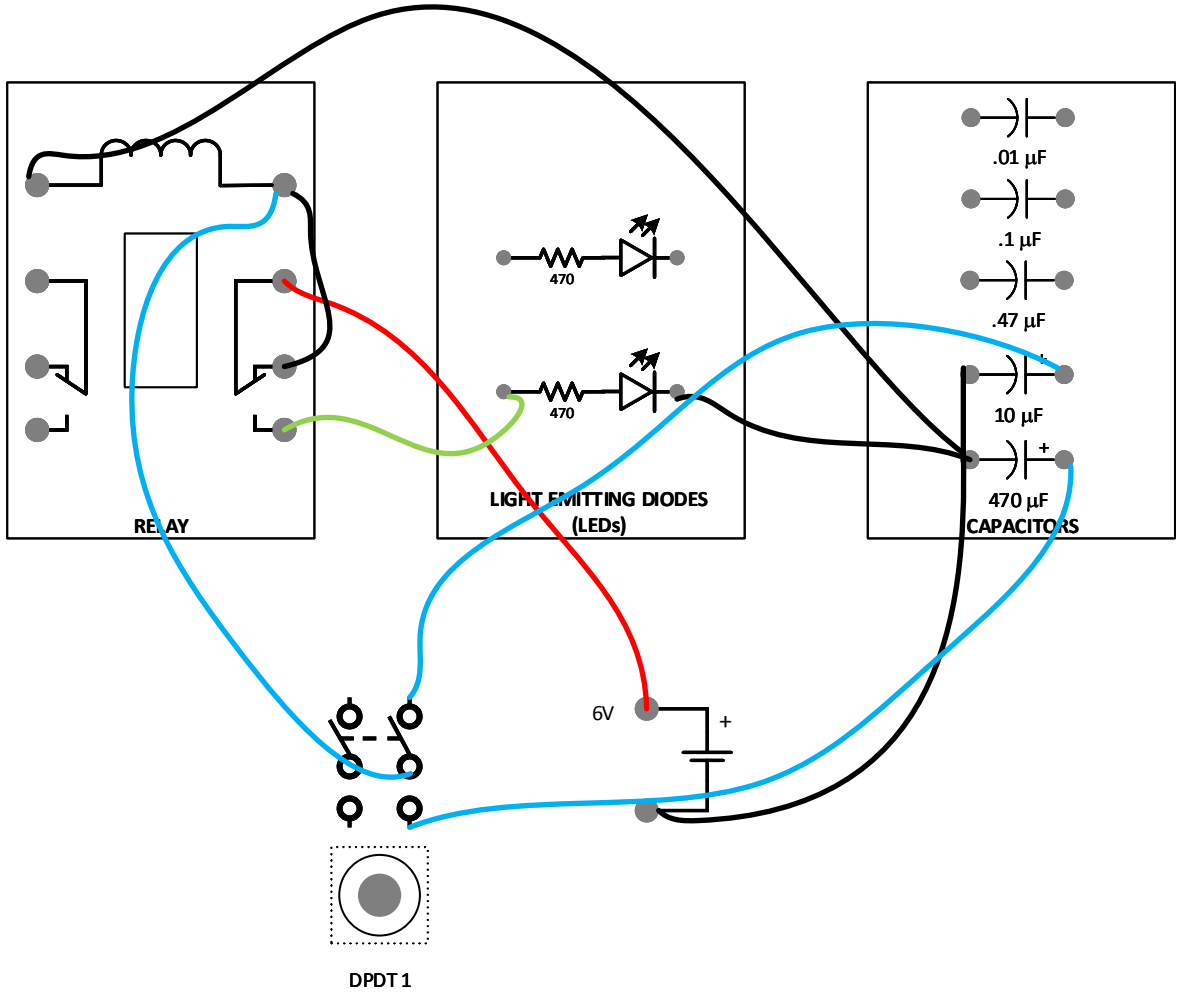
Hallway Light



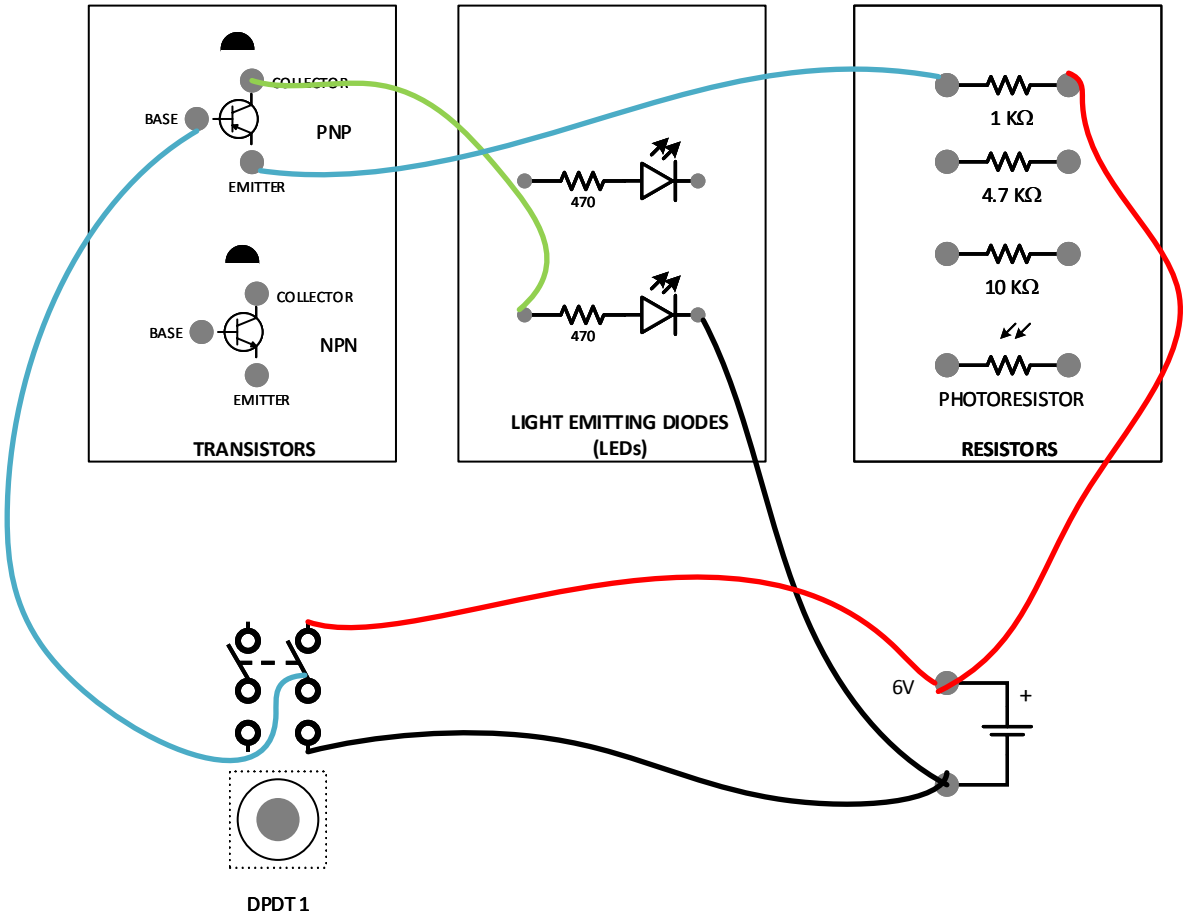
Light Flasher using a Relay



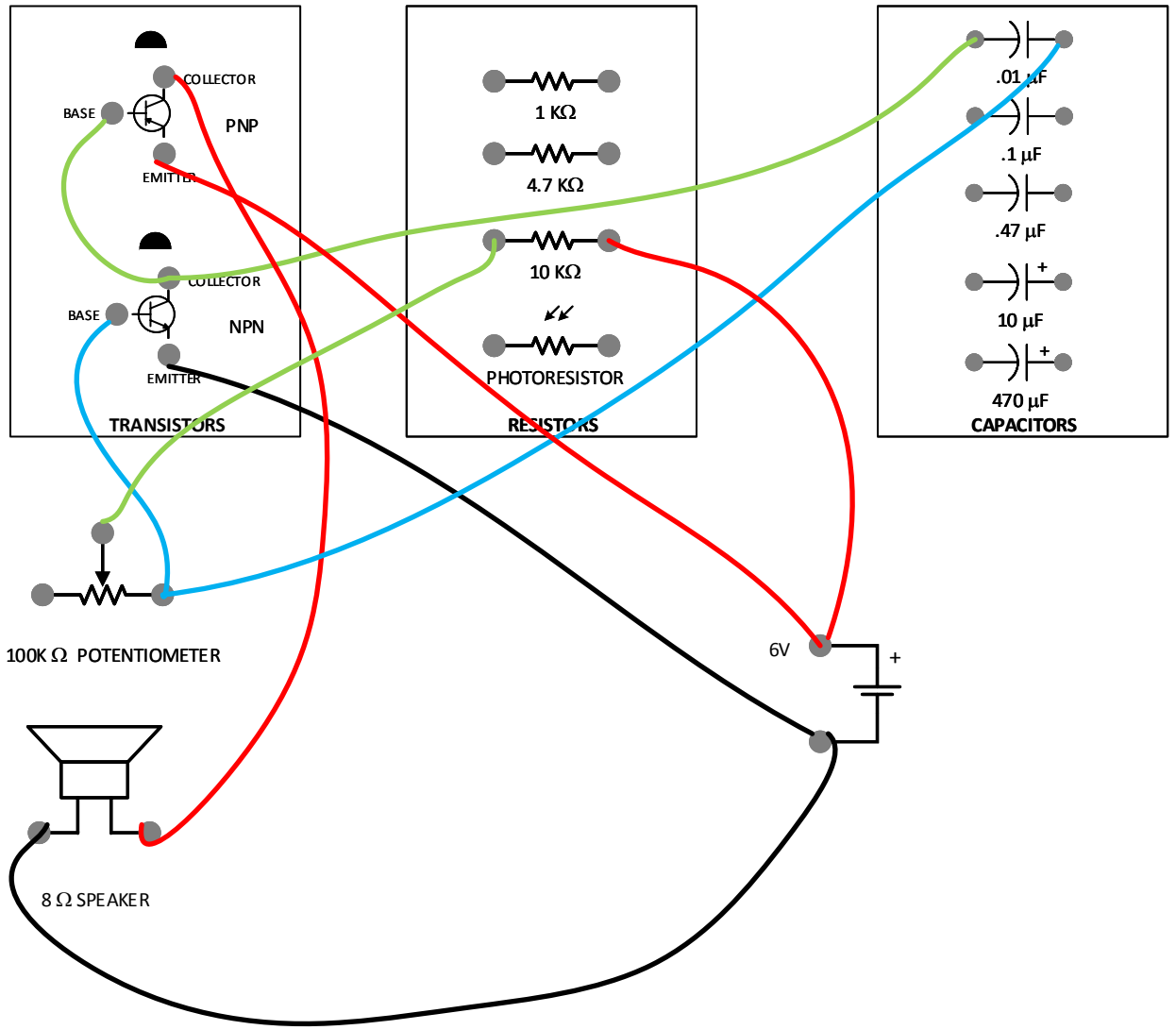
Alternating Flasher



Dual Rate Flasher

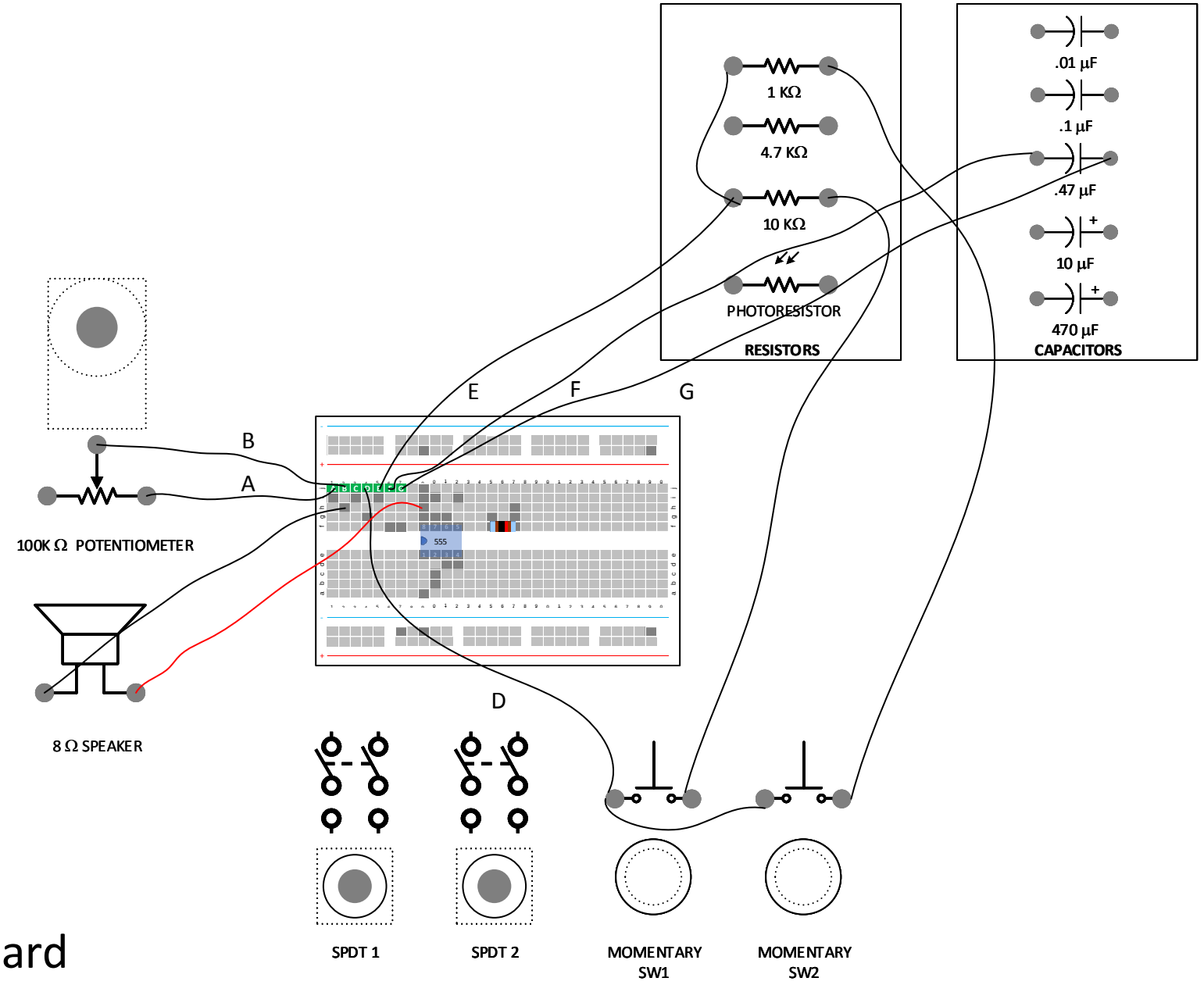


Flasher using a Transistor



Transistor Sound Generator

Sound Keyboard



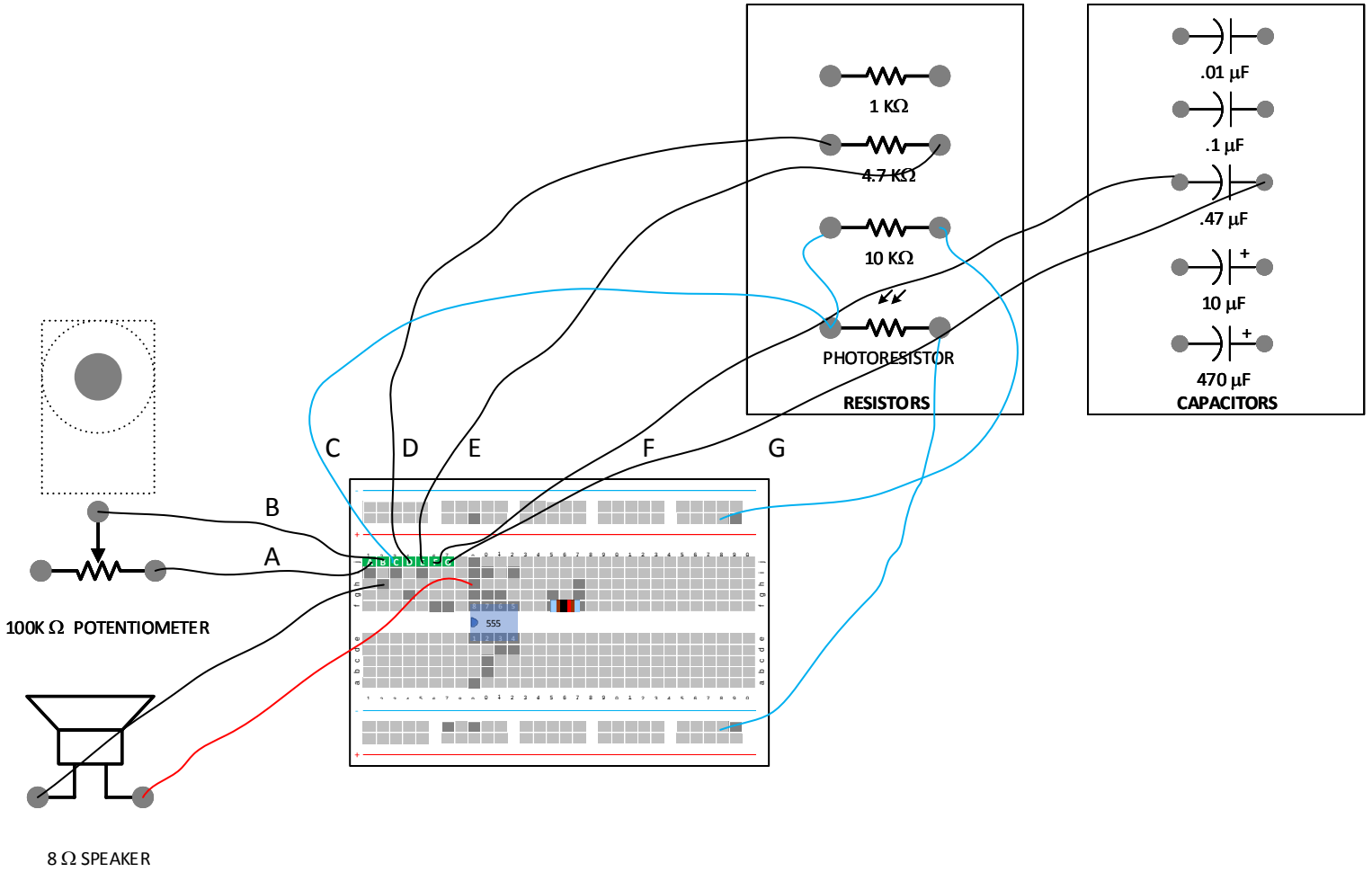
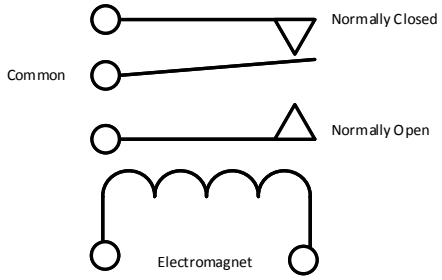


Photo-sensitive Sound Generator



Relay