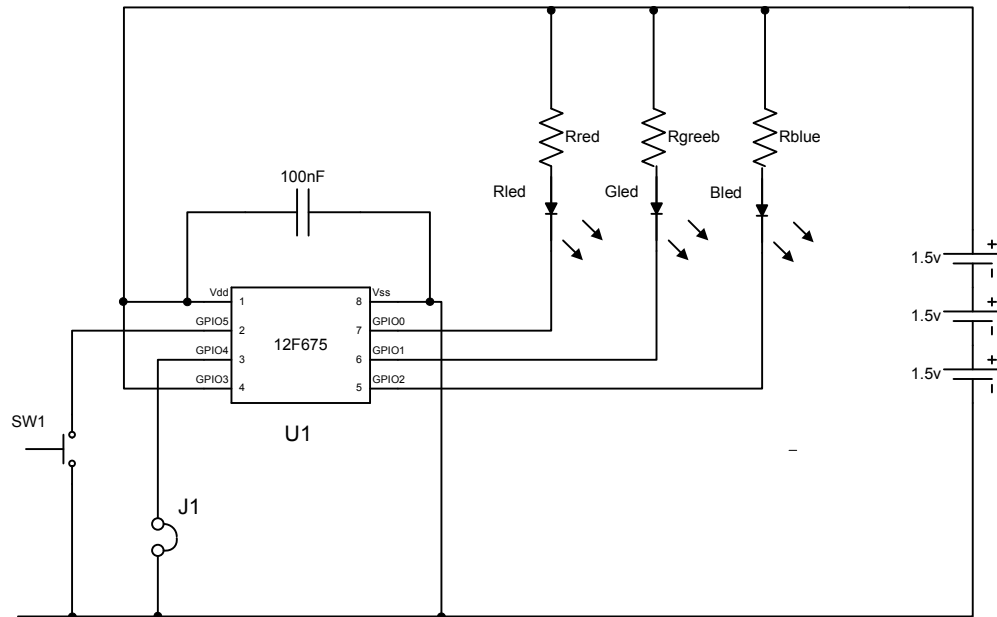


## Battery operated RGB LED Light



This version of the RGB light uses the same firmware as the version above. Grounding GPIO4 (J1 closed) tells the software to invert the output drives so that they become active low. In this configuration the GPIO pins can sink 25mA each. This circuit should operate from 3 x 1.5v AA batteries

LED1 high brightness red  
LED2 high brightness green  
LED3 high brightness blue

*You may need to play with the LED series resistors to achieve an even intensity between the three colours. Remember that each GPIO pin can sink a maximum of 25mA.*

*Pressing and holding SW1 will put the PIC to sleep. Pressing and holding SW1 again will wake the PIC. While in sleep mode the circuit only uses a few microAmps so a power switch isn't need.*