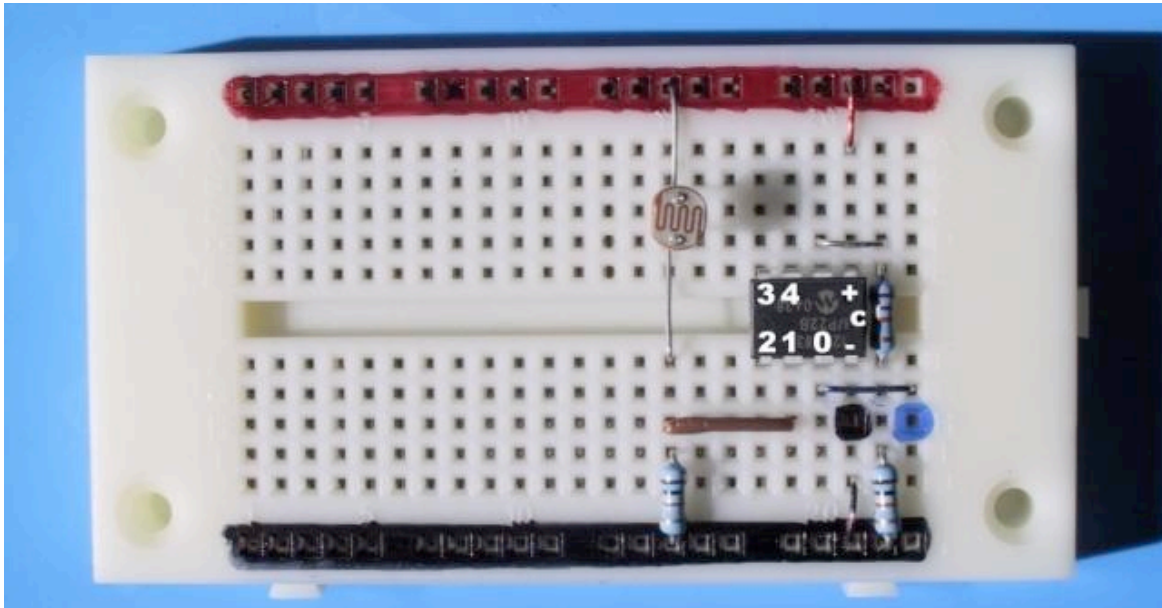


If Then ~ Light Trigger



Loopa:

nap 5

readadc 1, b1

sertxd (#b1, 13, 10)

if b1 < 100 then

Tune 3, 5, (1, 2, 3, 4, 5)

endif

goto Loopa

'Nap for a bit. Very low power time delay

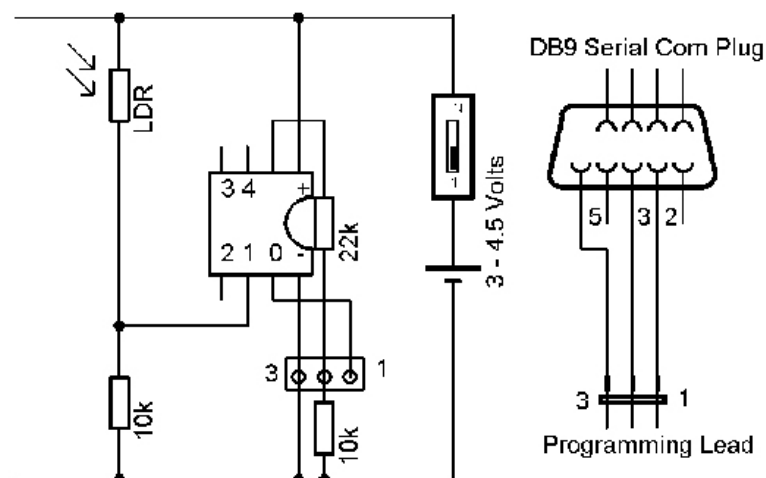
'Read the LDR voltage on pin 1 into variable b1

'Sertxd 'txt message' the F8 screen at 4800 baud for fine tuning

'IF the b1 pin 1 readadc drops below 100 THEN do the following

'Play a tune while flashing LED's on pins 0 and 4 at speed 5

'End of If statement 'block of code'



- This shows the Input circuit using an LDR and code that senses a drop in light level from a shadow or a laser beam shining onto the LDR being interrupted
- The Debug or sertxd (much better) command is almost essential to set up and 'fine tune' the actual trigger point of the project
- A piezo to pin 2 and can make a sound with the Play or Tune command and flash LED's on pins 0 and or 4 that will flash alternately in time with the music
- Other sensors like a thermistor can be used in place of the LDR
- See Help Section PICAXE Manual I Tutorial 6– Using Analogue Inputs for more circuits, ideas and programming tips
- Look up the 'Light LDR Eyes' template for a very sensitive circuit that is immune to changes in the ambient light level