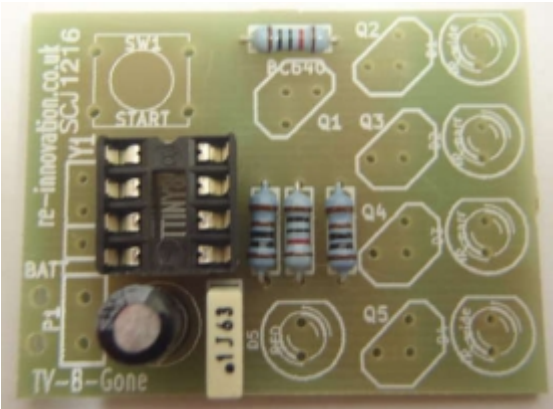


Step 3: Solder the capacitors

C1 22u

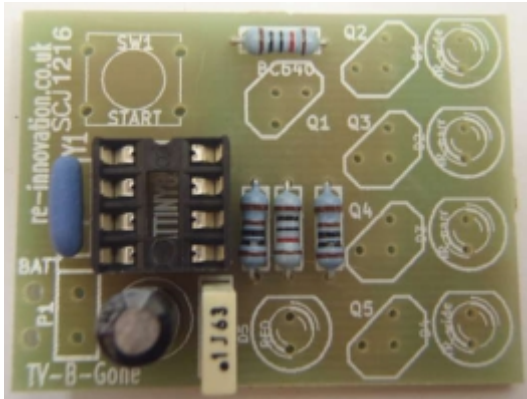
C2 0.1u

Note: polarity on C1.
C2 is marked ".1J63"



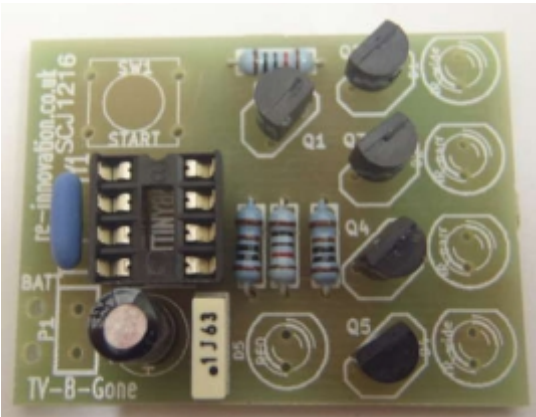
Step 4: Solder the 16MHz resonator

Note: The resonator can
be inserted in either direction.



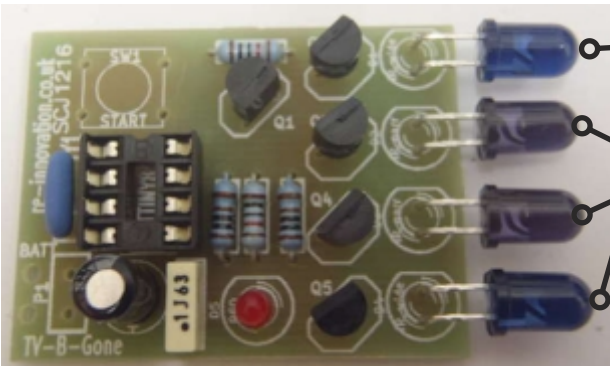
Step 5: Solder the transistors

Transistor Q1
Type: BC640
Note orientation.



Transistors Q2-5
Type: BC548
Note orientation.

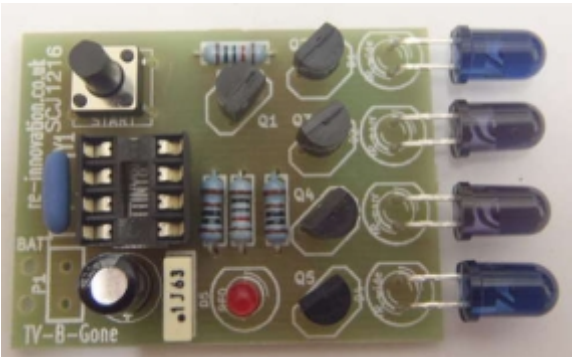
Step 6: Solder the LEDs



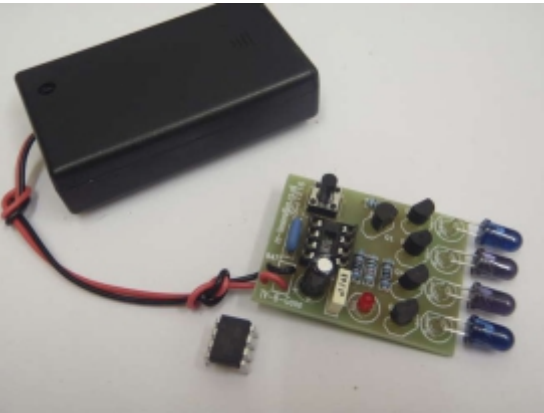
Infra Red (IR) LEDs
Wide angle
(lighter blue)
Narrow angle
(grey)

3mm Red LED
Note polarity: flat side negative, long leg positive

Step 7: Solder the switch



Step 8: Solder the battery pack



Wires go through PCB

Solder battery pack to PCB.
Note the polarity - red wire
is +ve, black wire -ve.