

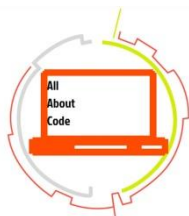


Spiral

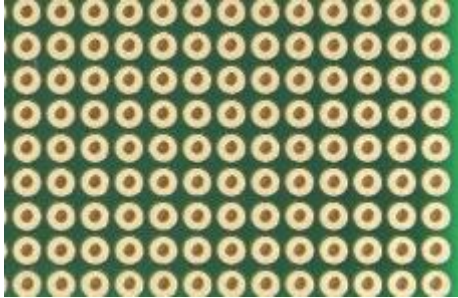
Soldering Projects

General Purpose Input Output LED Board

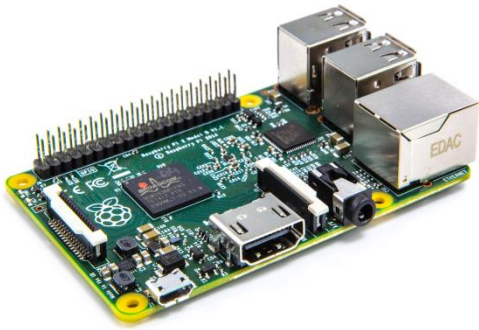
Part of the All About Code Family



To Make The PCB



9x12 Perfboard



Raspberry Pi 2/1 B+/1 A+



Red LED



10 OHM Resistor



x2 Male to Female Jumper Wire

Equipment



Any Type Of Soldering Iron



Rosin Core Solder



Sponge

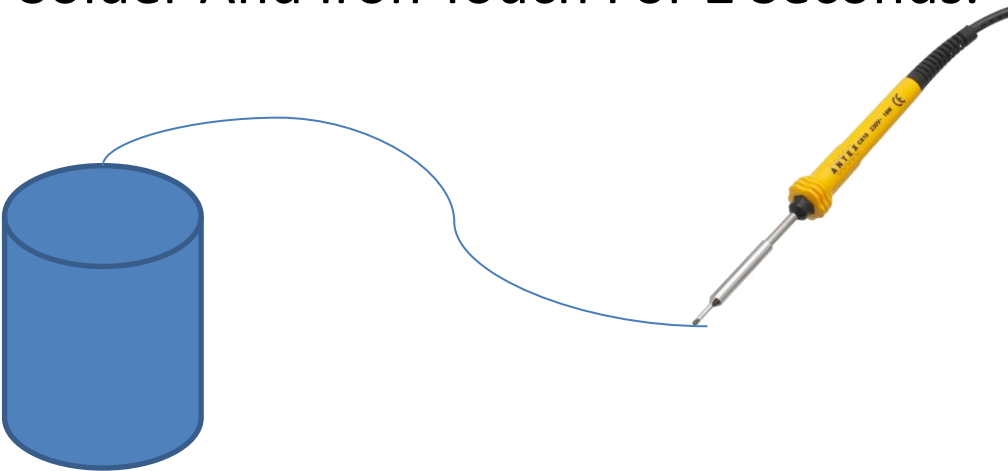
Step 1

Solder The Resistor

Start By Switching On The Iron.



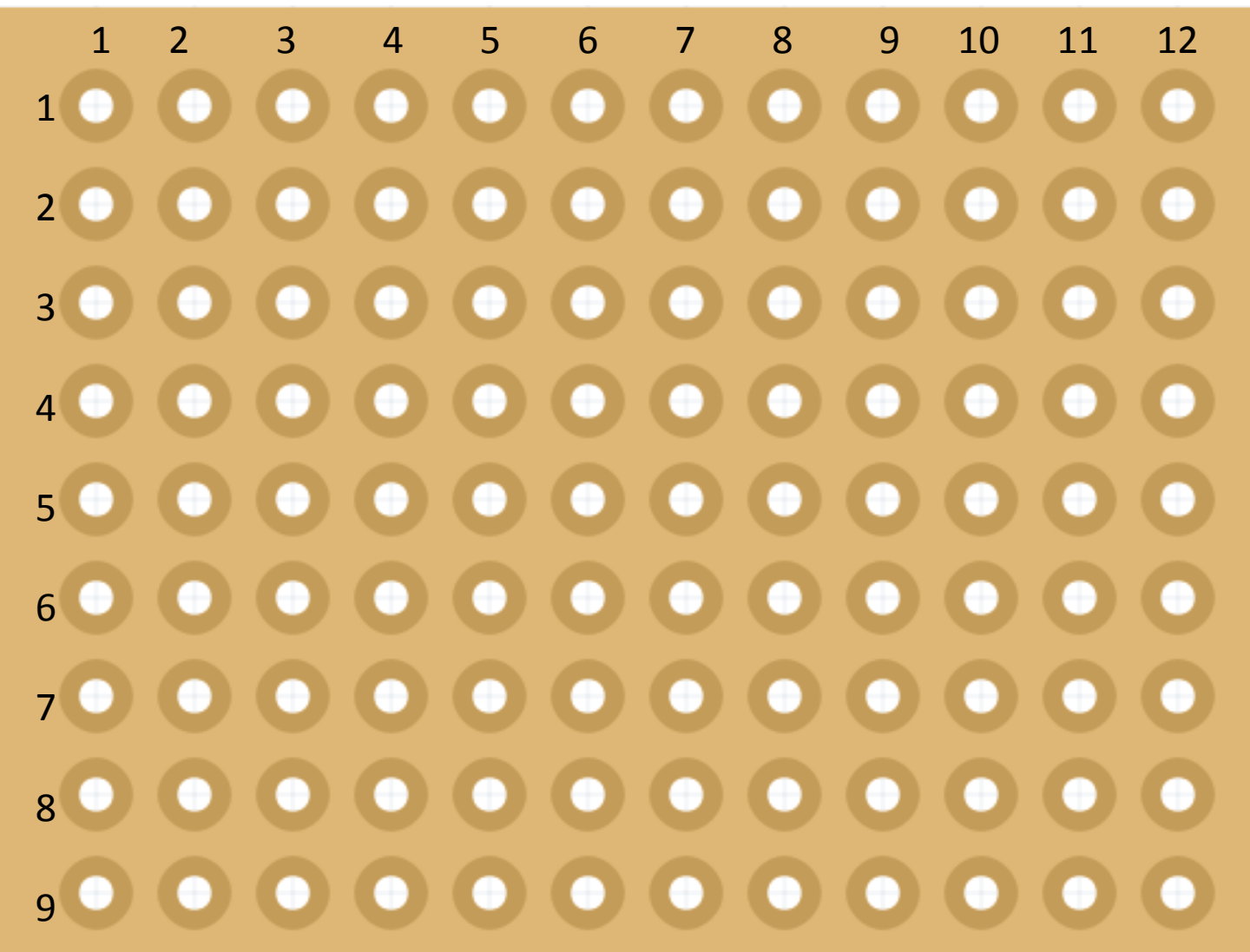
Then We Need To Tin Our Iron. To Do This Make The Solder And Iron Touch For 2 Seconds.



Step 1

Solder The Resistor

PerfBoard Guide



These are the numbers you need for the PerfBoard

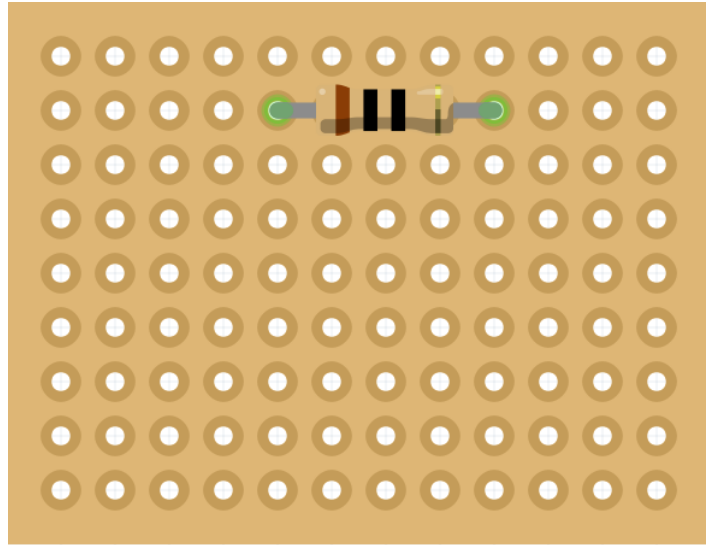
Top X Side

Step 1

Solder The Resistor

Place & Solder

Place The Resistor On
5 X 2



CUT THE LEGS OFF ONCE PUT ON THE BOARD
To Solder Put The Iron On The Leg Of The
Resistor And Place The Rosin Core On Until You
Are Happy With It Keep The Iron And Rosin
Core On The Leg Then Remove.

Step 2

Solder The Jumper Wires

Prepare The Wires

Cut The Wires About A Centimetre In From The Black Casing. Make Sure Your Chopping The End With The Point.



Make Sure That you Leave The Metal Ends.
DON'T THROW THEM AWAY

Step 2

Solder The Jumper Wires

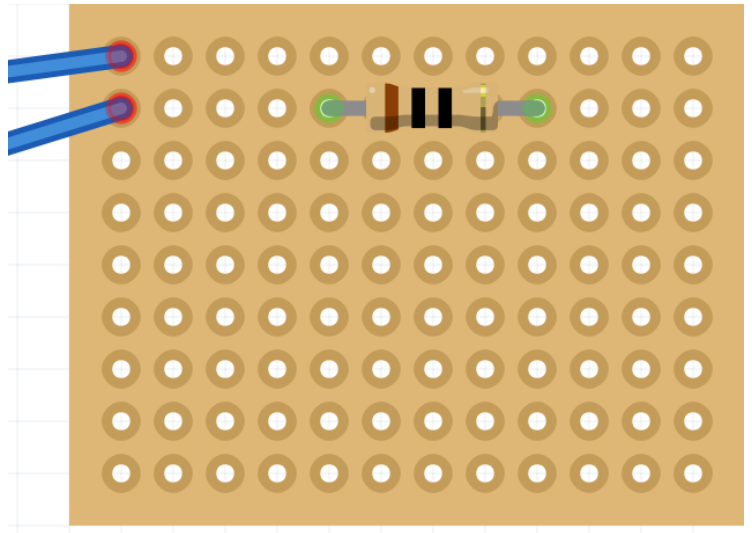
Place & Solder

Place The Jumper Wires

On

1 X 1

1 X 2



To Solder Put The Iron On The Cut Bit Of The Wires And Place The Rosin Core On Until You Are Happy With It. Keep The Iron And Rosin Core On The Cut Bit Then Remove.

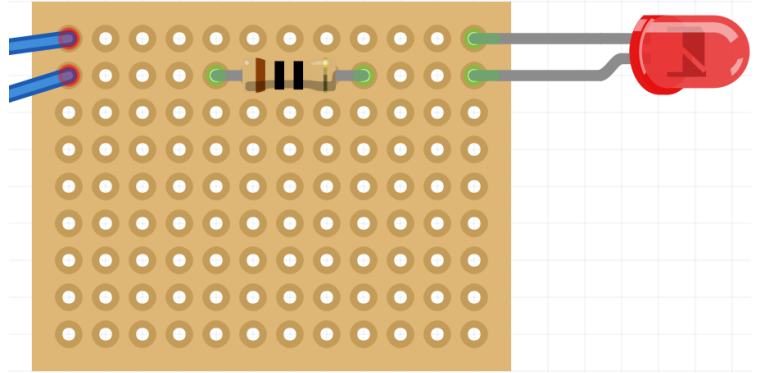
Do The Same For Both

Step 3

Solder The LED

Place & Solder

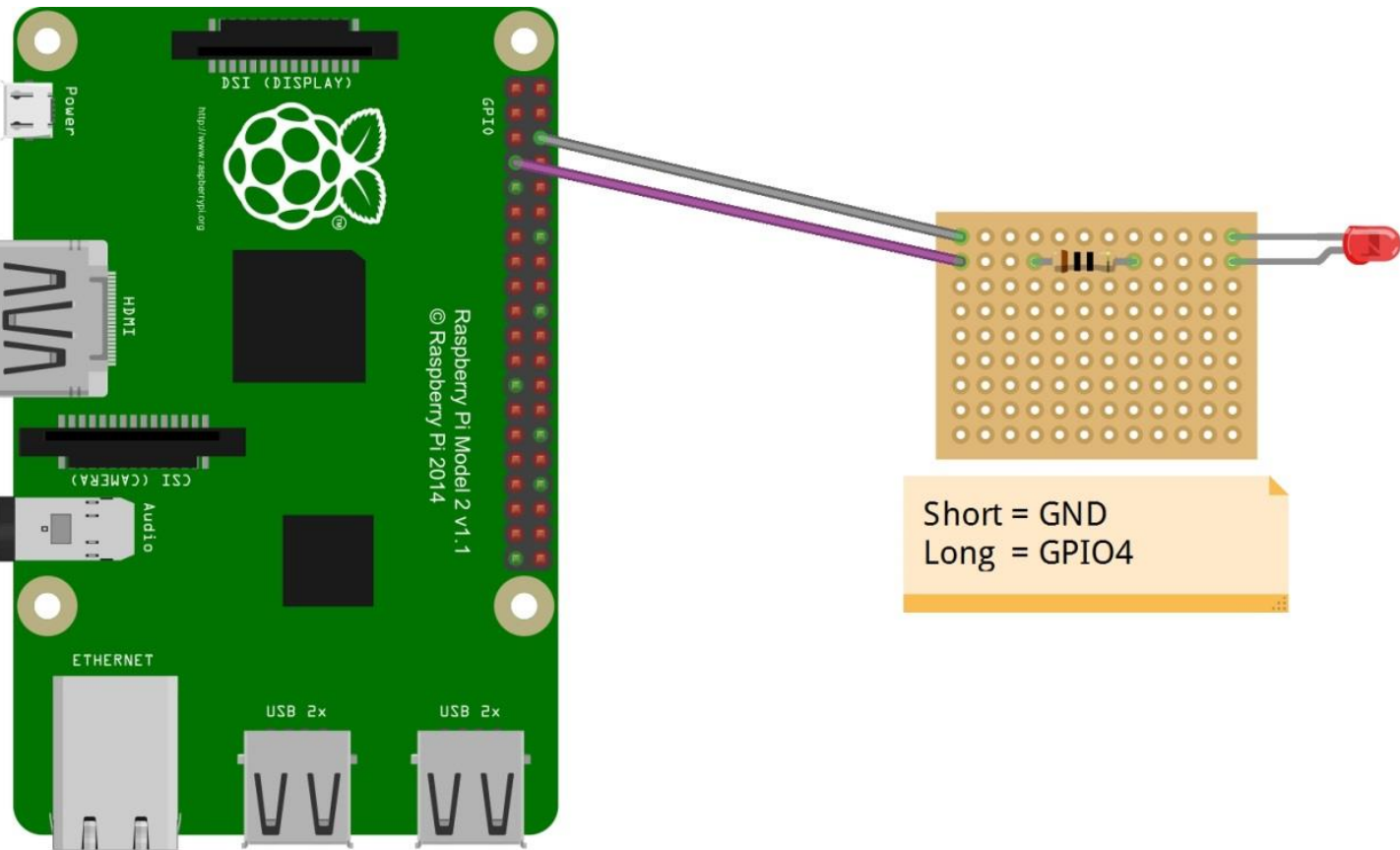
Place The LED On
SHORT LEG 12X1
LONG LEG 12X2



CUT THE LEGS OFF ONCE PUT ON THE BOARD
To Solder Put The Iron On The Leg Of The
LED And Place The Rosin Core On Until You
Are Happy With It Keep The Iron And Rosin
Core On The Leg Then Remove.
DO THE SAME FOR BOTH LEGS

Step 4

Connect To GPIO



FINISH LINE



Badge System

- If You Are Following The LTS Badge System By Spiral Soldering You Have Earned The Following:



Special Thanks

- Idea: [@DGA110P](#)
- Help With Project: [@traktorfactor](#)
- Booklet: [@all about code](#)