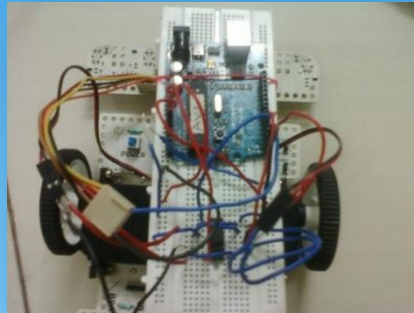
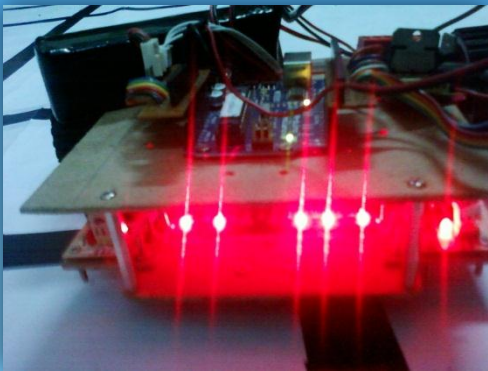
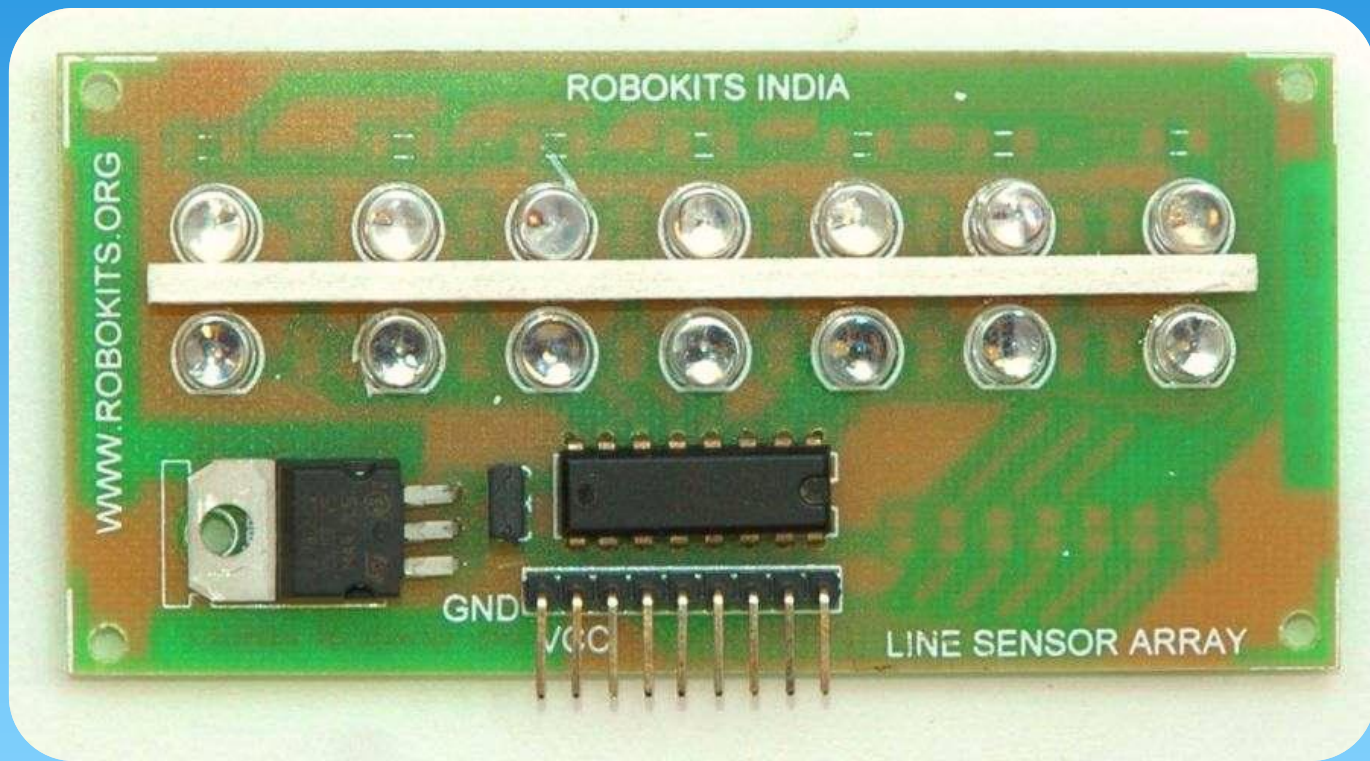


E.R.C

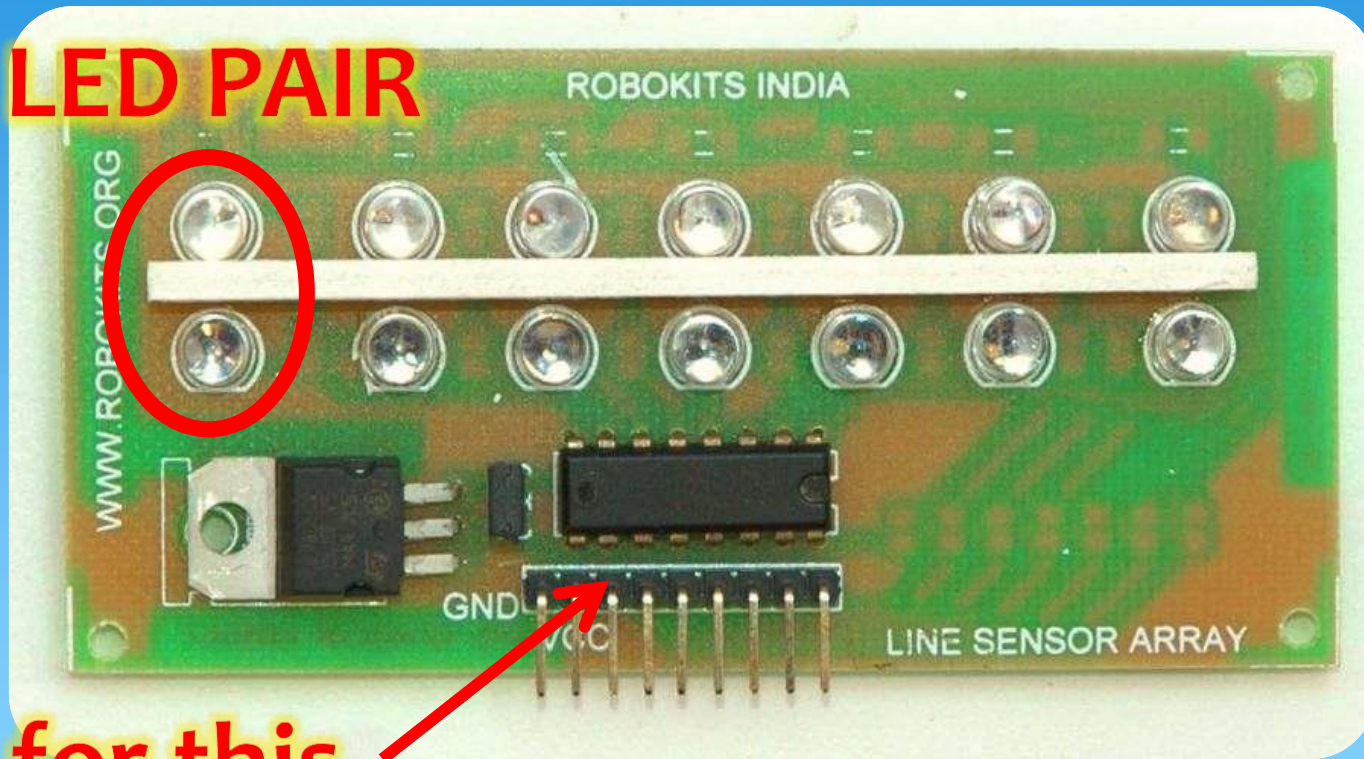


Line Sensor Array



Line Sensor Array

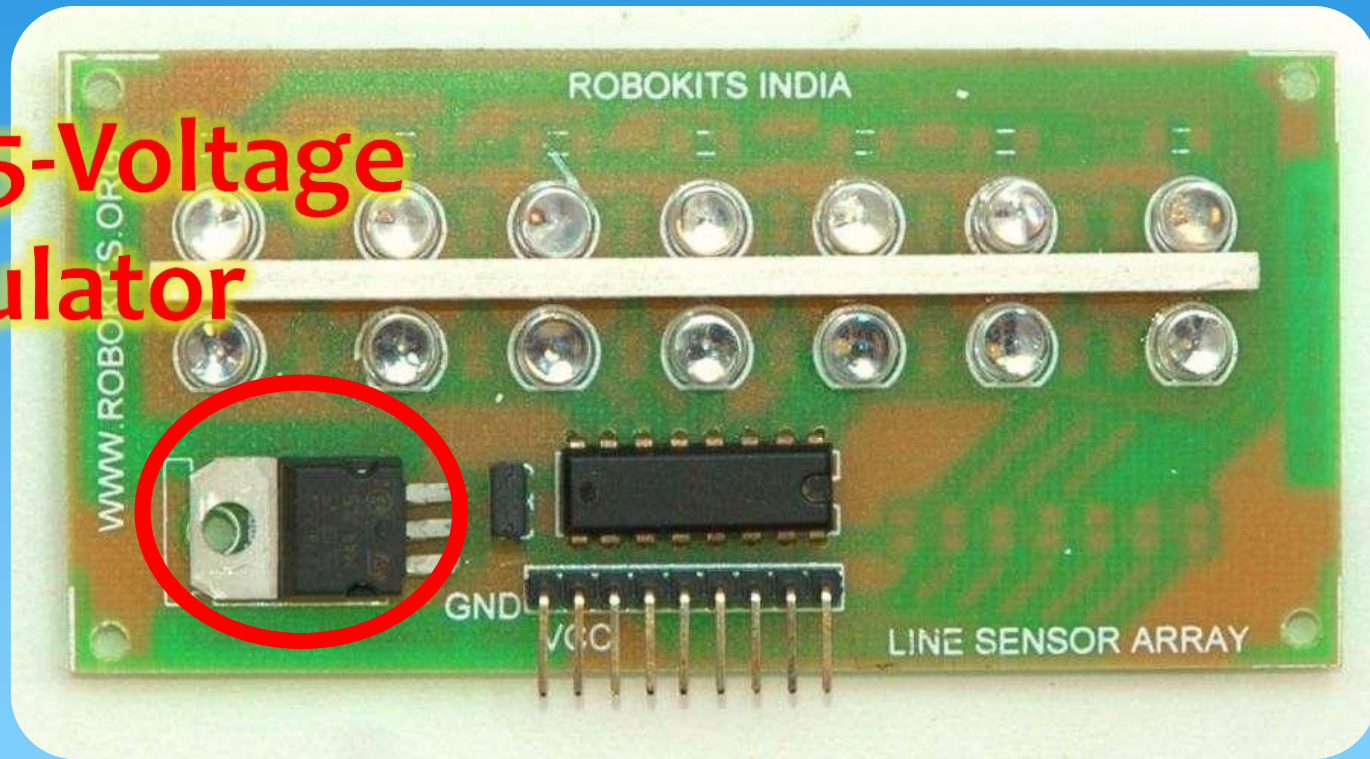
IR LED PAIR



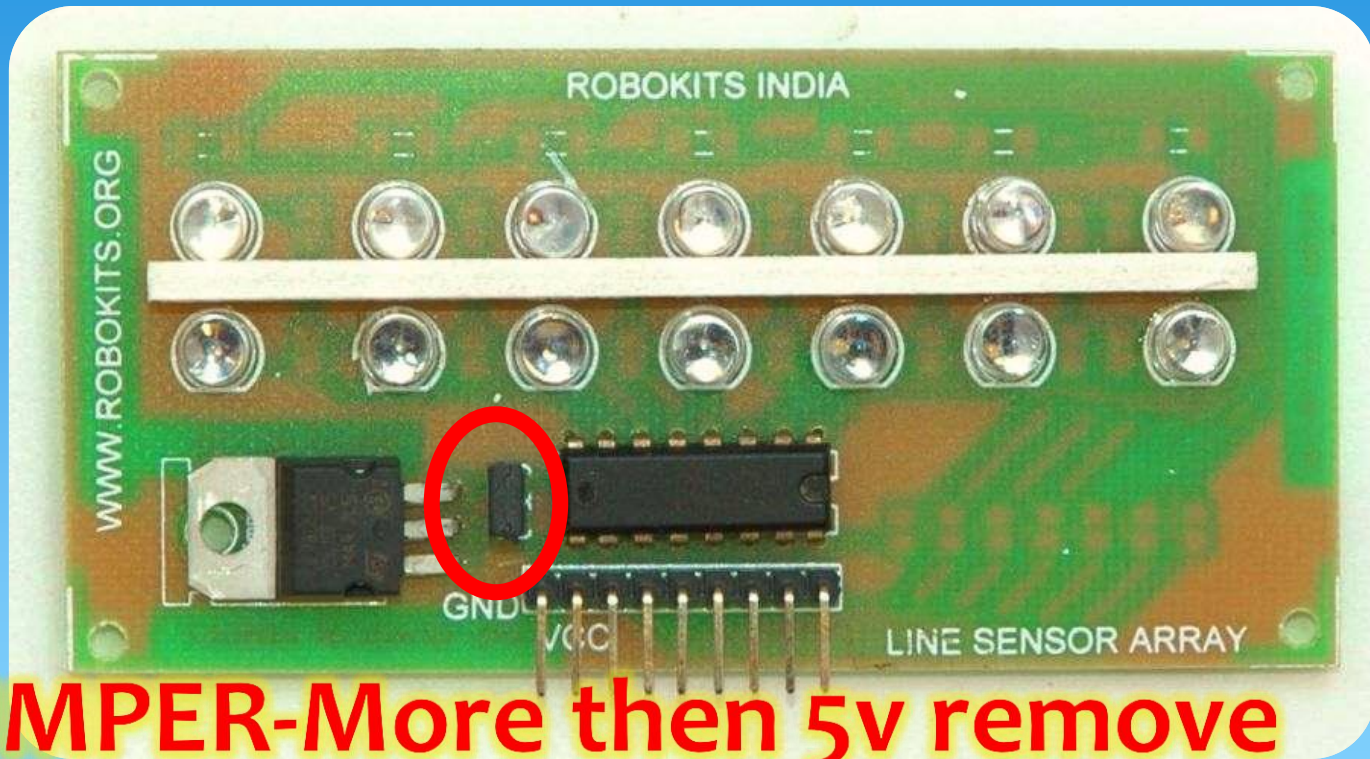
**Pin for this
pair**

Line Sensor Array

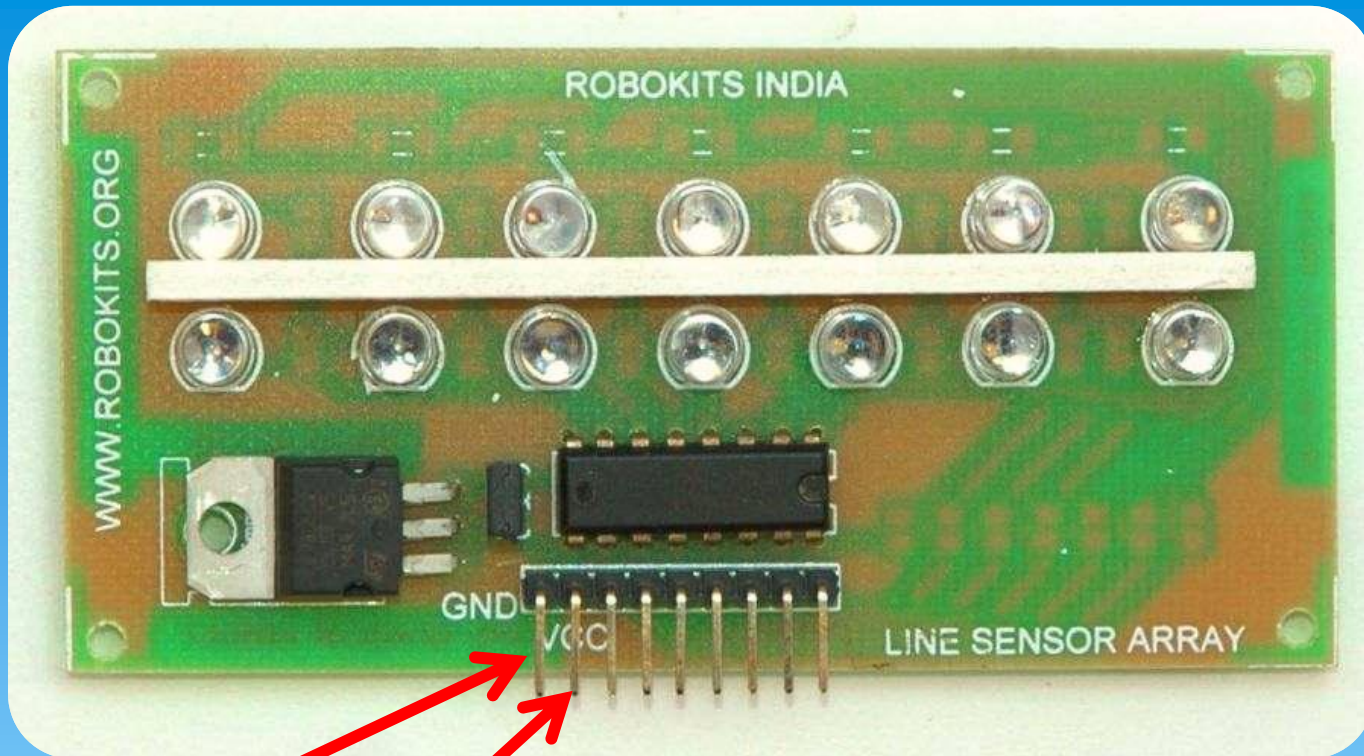
7805-Voltage
regulator



Line Sensor Array



**JUMPER-More then 5v remove
Jumper to use 7805**



1)GND 2)VCC 3)PIN1 4)PIN2

Line Sensor Array



**Potentiometer :-Set this for
thresholding**

Line Sensor Array



**Potentiometer :-Set this for
thresholding**

MOTOR Driver



Source:-Where your battery should provide source.

MOTOR Driver



Input:-Where microcontroller will selects the motor to drive

MOTOR Driver



Output:-Where motor gets power controlled by microcontroller

MOTOR Driver



7805—AGAIN 😊

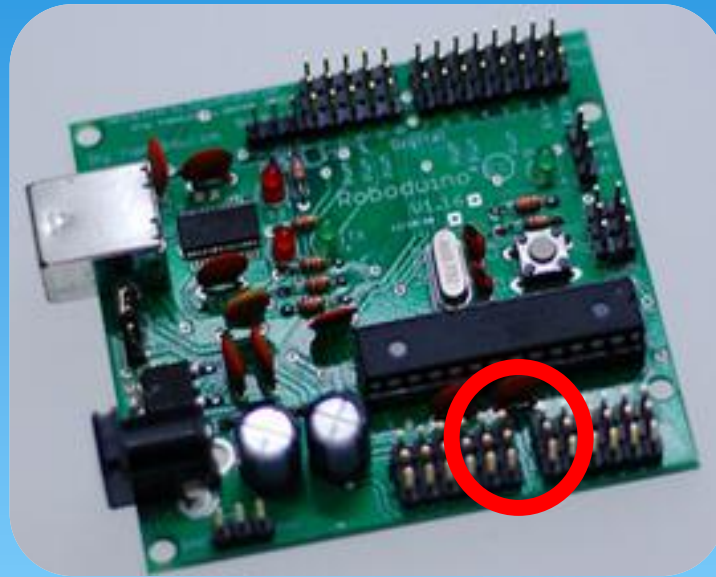
Roboduino



JUMPER-select the power source.



Roboduino



9V-can used to provide external power supply when jumper is set for EXT.

CONNECTIONS.....

- **GND:- (Ground) always short all grounds of the circuit ... (don't do it now)**
- **VDD(on motor driver):-Connect this to orange wire of battery (12 v so do not short it with black(GND)... pls don't even try 😊)**



CONNECTIONS.....

- Temporarily remove VDD supply so that we can make rest of connections
- In this bot we are using 7805 of motor driver to power up of ROBODUINO and hence line sensor array ... so jumper of array should be connected .

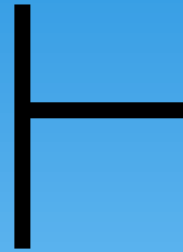


CONNECTIONS.....

- **Connect GND from input part of motor driver to one of the GND of ROBODUINO**



TYPES OF NODES



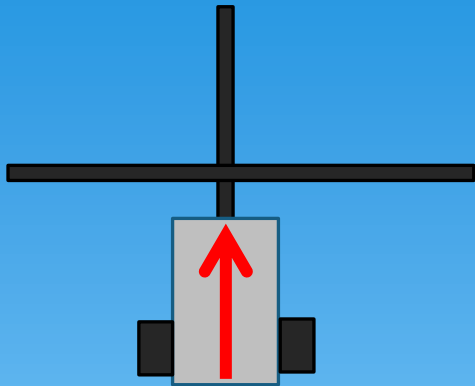
STOPING CONDITION



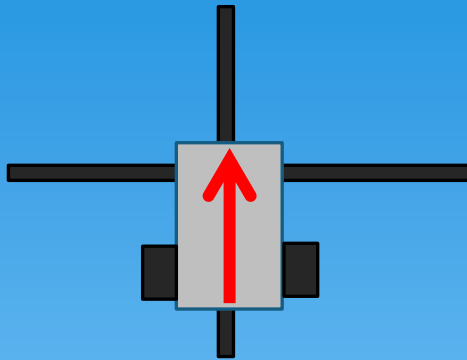
CHECKING CONDITION



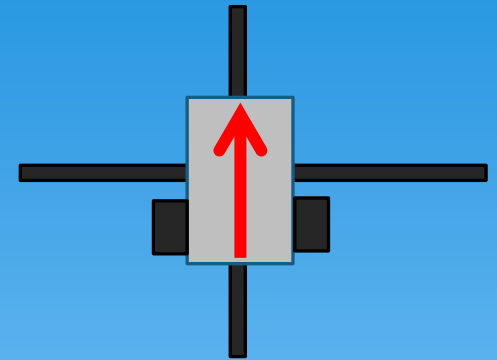
Turning BOT



000●●000



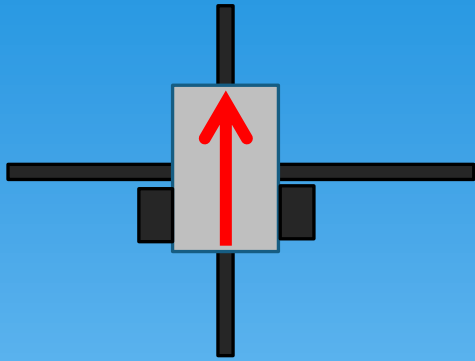
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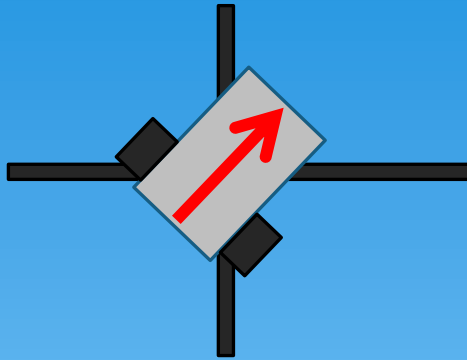
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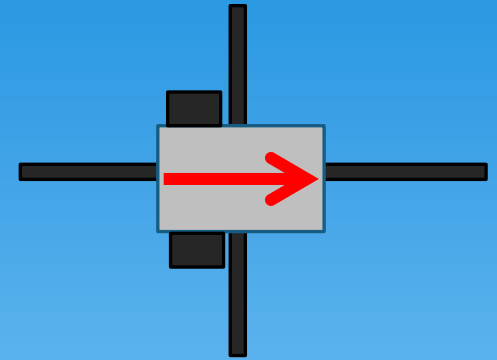
Turning BOT



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