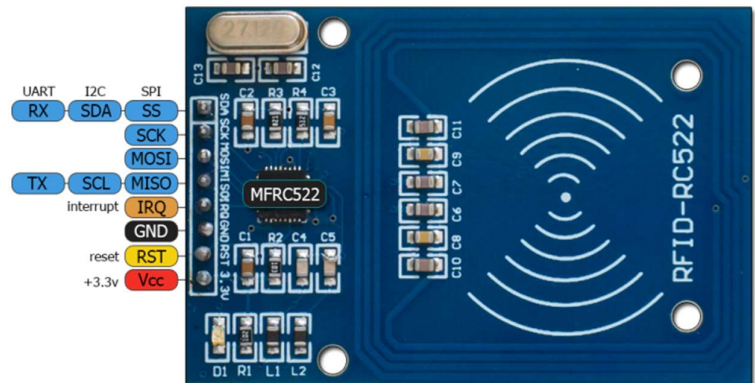


# RFID sensors

## Working principal

Radio frequency identification sensors use an electromagnetic field to find tags which have unique electronically stored information in them.



## Alternative of RFID sensor

Ultrawide-band RTLS is a great passive RFID alternative because it has extreme location accuracy.

Using the ultrawide-band technology in the sensors, you can find the exact position of the tag.

## Advantages

1. RFID can be used for tracking objects.
2. They can be used to locate the position of pets by injecting a standard pet microchip into their body.
3. They can even be used in ID cards of school-going children for their safety.

## Disadvantages

1. RFID sensors are more expensive than barcode systems.
2. The technology of RFID is harder to understand.
3. More than one tag can respond at the same time, creating confusion to the system.
4. Possibility of unauthorized reading.
5. They are less reliable.

## Applications

1. They can be used in shopping malls.
2. To track food delivery.
3. Electronic license plate to identify the vehicle.
4. Automatic toll system.