

Trabajo Practico 1 - Robotica

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Componetes a usar

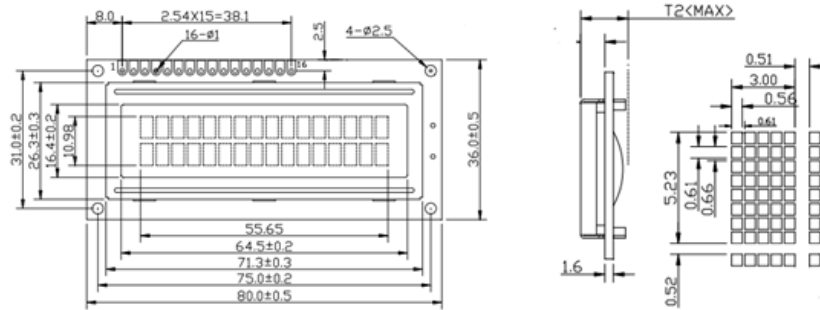
- Pantalla 16x2
- Sensor Termico y Humedades DHT-22
- Sensor Ultrasonido HCSR04
- Sensor de luminancia BH1750
- Sensor Tarjeta RFID RC522
- Rele
- ServoMotor

Objetivo

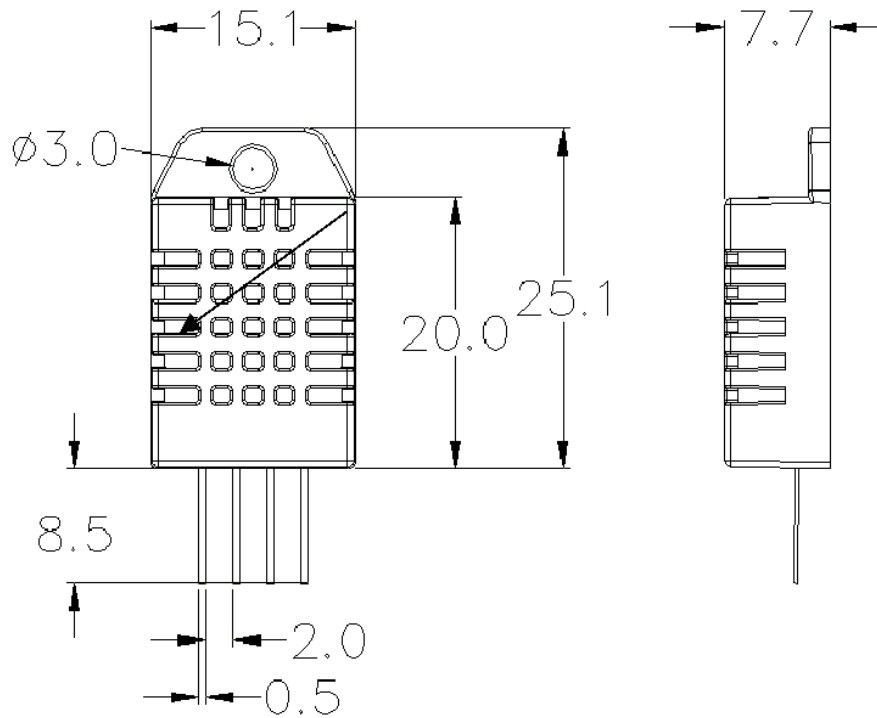
Una posible implementacion podria ser un porton de entrada a un edificio.

Datasheets de los componentes

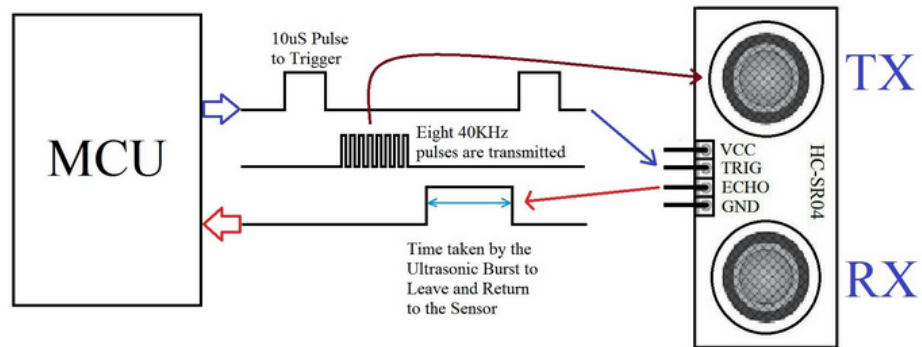
Pantalla 16x2



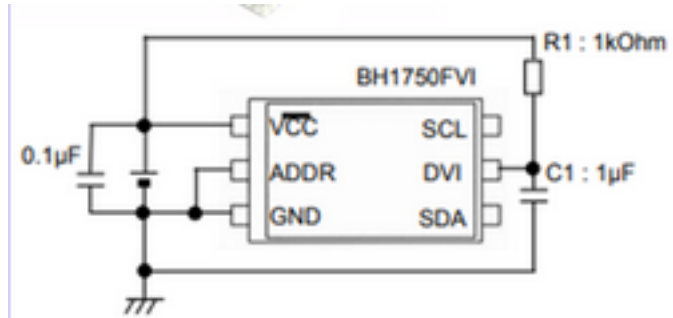
Sensor Termico y Humedades DHT-22



Sensor Ultrasonido HCSR04



Sensor de luminancia BH1750



Sensor Tarjeta RFID RC522

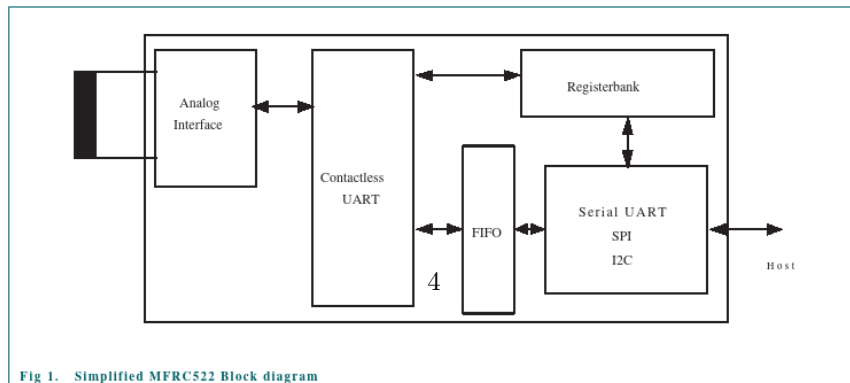
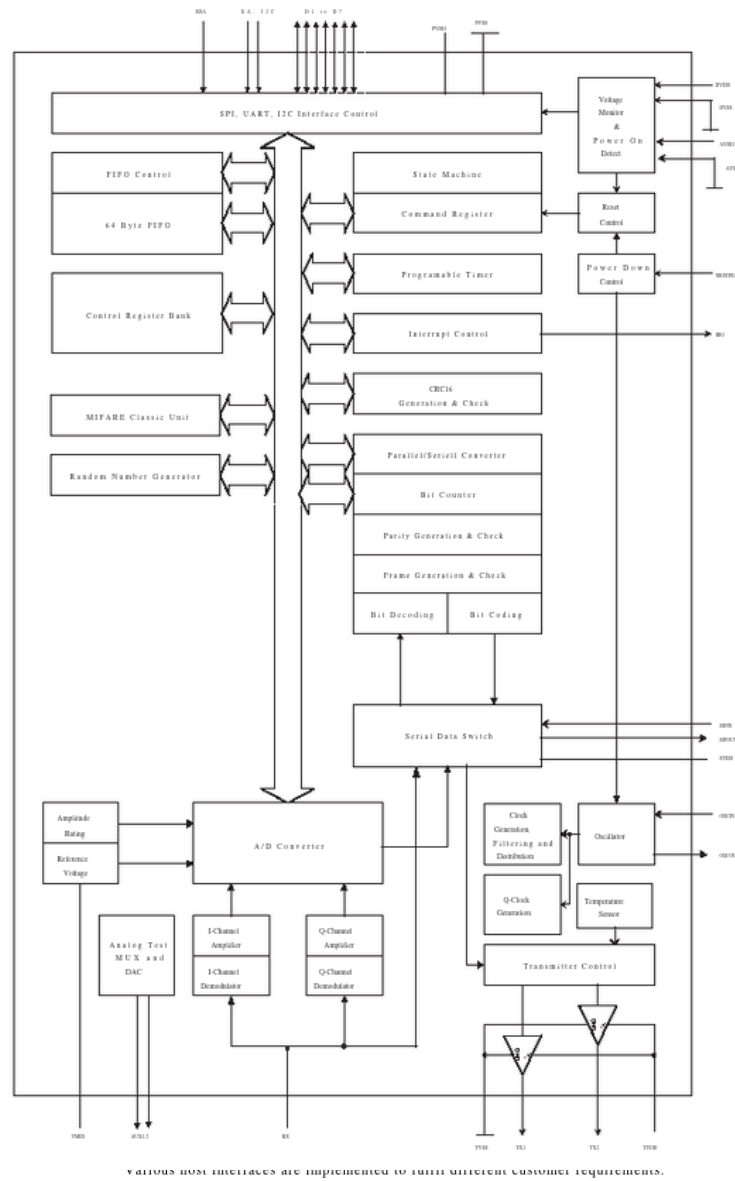
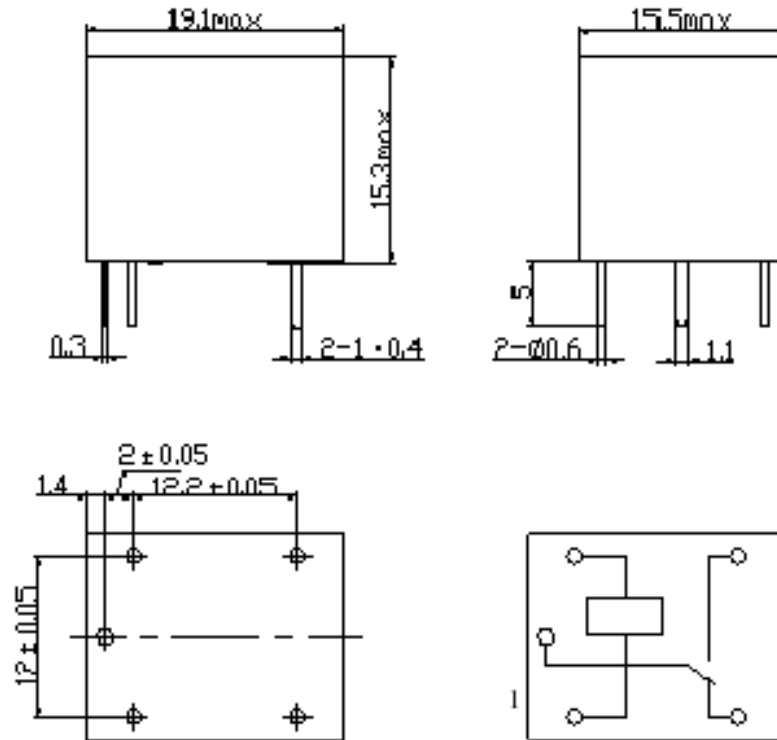
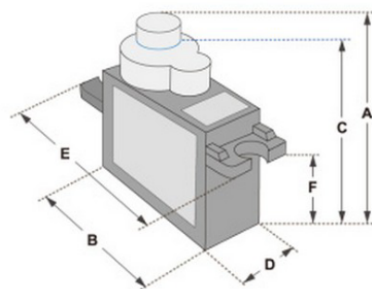


Fig 1. Simplified MIFARE RC522 Block diagram

Rele



ServoMotor



Dimensions & Specifications	
A (mm) :	32
B (mm) :	23
C (mm) :	28.5
D (mm) :	12
E (mm) :	32
F (mm) :	19.5
Speed (sec) :	0.1
Torque (kg-cm) :	2.5
Weight (g) :	14.7
Voltage :	4.8 - 6