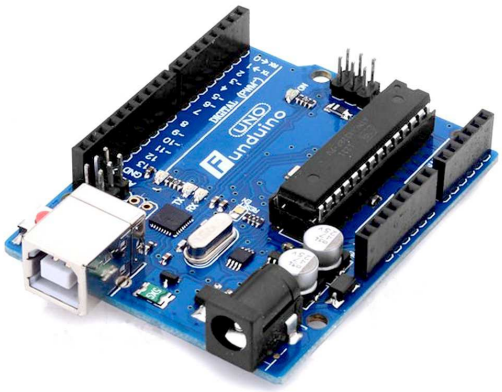
DESARROLLOS

CON

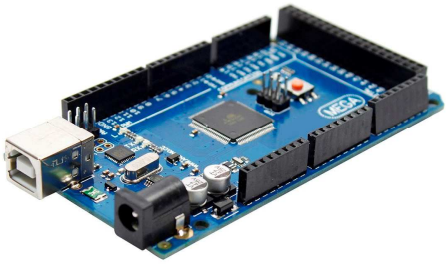
Funduino

Ref: 108.FUN/UNO-R3
Funduino UNO R3



- Chip microprocesador ATmega328.
- Utiliza un chip ATmega16U2 para la conversión USB a Serie.
- Funciona a 5V y 16MHz.
- Alimentación recomendada es de 7V a 12V.
- 14 pines de E/S (6 de ellos proporcionan PWM).
- 6 pines de entrada analógica.
- Memoria Flash de 32Kb
- Puerto USB para la transmisión de datos.
- Conector “jack” (cilíndrico) para la alimentación.
- Botón de reset

Ref: 108.FUN/MEGA2560-R3
Funduino MEGA 2560 R3

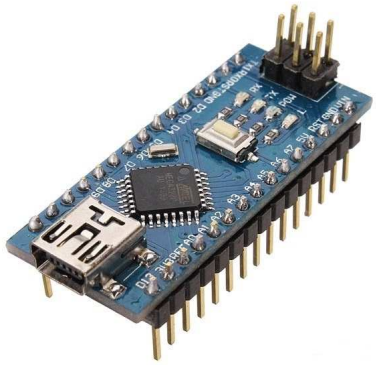


- Chip microprocesador ATmega2560.
- Chip ATmega16U2 para la conversión USB a Serie.
- Funciona a 5V y 16MHz.
- Alimentación recomendada es de 7V a 12V.
- 54 pines de E/S (14 de ellos proporcionan PWM).
- 16 pines de entrada analógica.
- Memoria Flash de 256Kb.
- Puerto USB para la transmisión de datos.
- Conector “jack” (cilíndrico) para la alimentación.

Ref: 108.FUN/LEONARDO
Funduino LEONARDO R3

- Chip ATmega32u4.
- Sin microprocesador secundario para la conversión USB a Serie.
- Funciona a 5V y 16MHz.
- La alimentación recomendada es de 7V a 12V.
- 20 pines de E/S (7 de ellos proporcionan PWM).
- 12 pines de entrada analógica.
- Memoria Flash de 32Kb.
- Dispone de un puerto micro USB para la transmisión de datos.
- Solo funciona con la versión 1.0.1 de la IDE

Ref: 108.FUN/NANO-3.0
Funduino NANO 3.0

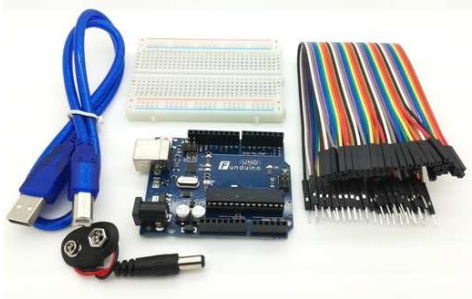


- Microcontrolador ATmega328 con cargador de inicio preprogramado.
- Tensión de entrada (recomendada): +7 a + 12 V.
- Tensión de entrada (límites): +6 a + 20 V.
- 14 pines GPIO (de los que 6 ofrecen salida PWM).
- 6 pines de entrada analógica.
- Corriente DC por pin de E/S: 40 mA.
- Memoria Flash de 32 KB (2 KB para cargador de inicio).
- SRAM de 2 KB.
- EEPROM de 1 KB.
- Admite comunicación serie IC.
- Frecuencia de reloj: 16 MHZ.
- Dimensiones: 0,73″ x 1,7″.

Ref: 108.FUN/ETHERNET-W5100
Funduino ETHERNET W5100

- Tensión de 5V (suministrada por la placa Funduino)
- Controlador Ethernet: W5100 con tampón interno de 16K
- La velocidad de conexión: 10/100Mb
- Conexión con Arduino en puerto SPI
- Compatible con IEEE802.3af
- Rizado de salida y ruido bajos (100mVpp)
- Entrada de tensión de 36V a 57V
- Protección contra sobrecarga y cortocircuito
- Salida de 9V
- Alta eficiencia convertidor DC / DC: tipo del 75% a la carga el 50%

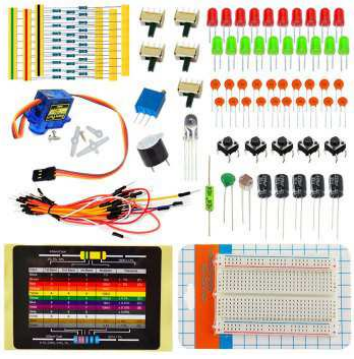
Ref: 108.FUN/UNO-R3KIT
Kit primeros pasos



CONTENIDO:

- Microcontrolador Funduino UNO R3
- Protoboard 400 puntos
- Cable USB
- Conector alimentación 9vCable dupont 40vias 20 cm macho-macho

Ref: 108.KIT0053
Starter kit



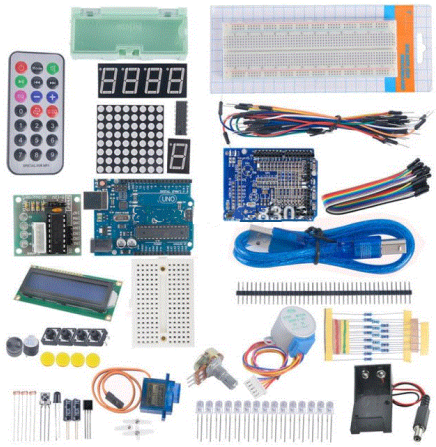
CONTENIDO:

1. 400 holes Breadboard x1 Und.
2. Bread Line 50 / bundle x1 Und.
3. F5 red lights x10 Und.
4. F5 green light x10 Und.
5. Three color components plug x1 Und.
6. Ceramic capacitor 10NF 103 x10 Und.
7. Ceramic capacitors 100NF 104 x10 Und.
8. Ceramic capacitors 100UF x5 Und.
9. 330 ohm resistor x10 Und.
10. 1K resistor x10 Und.
11. 10K resistor x10 Und.
12. Tilt switch light green x1 Und.
13. Thermistor dark green x1 Und.
14. Photoresistor x1Und.
15. Active components x1Und.
16. 9 g servos x1 Und.
17. Small buttons x5 Und.
18. Red Triangle tilt switch x5 Und.
19. Resistance Card x1 Und.
20. Precision adjustable x1 Und.
21. Plastic box x1 Und.

Ref: 108.KIT0001

Kit primeros pasos con UNO-R3 + Motor + LCD + Placa + Puentes

- UNO R3 Board x 1
- Mini Breadboard shield with mini board x 1.
- 830 points Breadboard x 1
- SMD components box x 1
- LED red yellow green x 15(each 5pcs)
- Buzzer x 2
- Switch x 4
- Digital tube x 2
- Mercury switch or ball switch x 2
- Photoresistor x 3
- Potentiometer x 1
- Flame sensor 1
- Infrared receiver x 1
- Resistance 220 8, 1K, 10K x 15(each 5)
- LM35 Temperature sensor x 1
- USB Cable x 1
- Male to male jumper wire x 30
- 9V battery box x 1
- IR mini remote control x 1
- 1602 LCD LCD module x 1
- 9G Servo x 1
- 5V stepper motor + ULN2003 driver board x 1
- 74HC595 x 1
- 8*8 DOT MATRIX x 1



Ref: 108.KIT0072

Kit basico aprendizaje con LCD+LED+SERVO

5x LED - Blue
5x LED - Red
5x LED - Yellow
5x 10K Ω resistor
5x 1K Ω resistor
8x 220 Ω resistor
1x 10K Ω Pot
1x LED - RGB
1x Buzzer (active)
1x Buzzer (passive)
4x button switch
1x LM35 Temp Sensor
2x Ball tilt sensor
3x Photo Resistor
1x Flame sensor

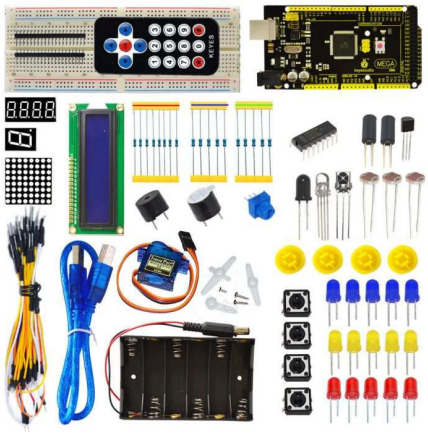
1x 7-seg LED 1x module
1x 7-seg LED 4x module
1x 8x8 dot LED array
1x IC 74HC595N 16-pin DIP
1x IR receiver
1x IR remote control
1x1602 LCD
1x9g sevro
830-pin Breadboard
1x 6-cell AA Battery holder
1x USB cable
Several dupont connector wires

Ref: 108.KIT0073

Kit basico primeros pasos con Funduino MEGA2560

1x Keyestudio Uno R3 board Compatible Arduino
5x LED - Blue
5x LED - Red
5x LED - Yellow
5x 10K Ω resistor
5x 1K Ω resistor
8x 220 Ω resistor
1x 10K Ω Pot
1x LED - RGB
1x Buzzer (active)
1x Buzzer (passive)
4x button switch
1x LM35 Temp Sensor
2x Ball tilt sensor
3x Photo Resistor
1x Flame sensor

1x 7-seg LED 1x module
1x 7-seg LED 4x module
1x 8x8 dot LED array
1x IC 74HC595N 16-pin DIP
1x IR receiver
1x IR remote control
1x1602 LCD
1x9g sevro
830-pin Breadboard
1x 6-cell AA Battery holder
1x USB cable
Several dupont connector wires



Ref: 108.KIT0068

Kit educacional de 36 sensores

1: Digital White LED Light Module project
2: Piranha LED Light Module
3: 3W LED Module
4: RGB LED module
5: Analog temperature sensor
6: Photocell sensor
7: Analog Sound Sensor
8: Analog Rotation Sensor
9: Passive Buzzer module
10: Digital Buzzer Module
11: Digital Push Button
12: Digital Tilt Sensor
13: photo interrupter module
15: Knock Sensor Module
16: Hall Magnetic Sensor
17: Line Tracking Sensor
18: Infrared Obstacle Avoidance Sensor
19: PIR Motion Sensor
20: Flame Sensor
21: Vibration Sensor
22: Analog Gas Sensor
23: Analog Alcohol Sensor
24: Digital IR Transmitter Module
25: Digital IR Receiver Module
26: Rotary Encoder module
27: LM35 Temperature Sensor
28: 18B20 Temperature Sensor
29: ADXL345 Three Axis Acceleration Module
30: DHT11 Temperature and Humidity Sensor
31: Bluetooth Module
32: TEMT6000 ambient light sensor
33: HC-SR04 Ultrasonic Sensor
34: Joystick Module
35: DS3231 Clock Module
36: 5V Relay Module

Ref: 108.KIT0187
Kit alimentación con placa

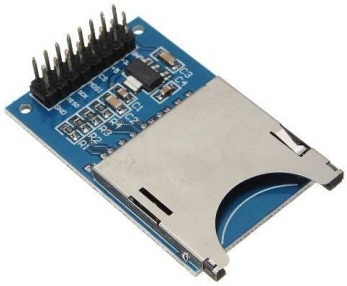
1 x Solderless Breadboard
1 x Tablero de prueba Fuente
1 x 65 Breadboard Jumper cables
1 x140 unids Jumper cables

Ref: 108.KIT0088
Kit mando a distancia + receptor

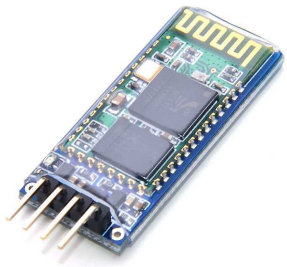
Ref: 108.MD0040
Modulo transmisor sin hilos de 2.4gHz NRF24L01

Ref: 108.MD0042
Modulo antena externa sin cables CC1101

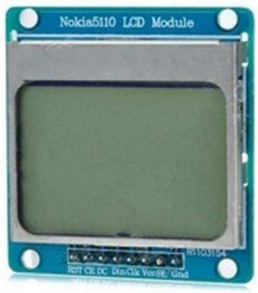
Ref: 108.MD0043
Modulo tarjetero SD



Ref: 108.MD0056
Modulo BLUETOOTH para UNO y MEGA2560



Ref: 108.MD0064
Modulo LCD 5110 (Azul)



Ref: 108.MD0067
Modulo LCD 1602 5 VDC Pantalla azul y cod. blanco

Ref: 108.MD9002
TFT320QVT pantalla táctil para Arduino/Funduino 3.2”
320x240 65K con lector de tarjeta SD

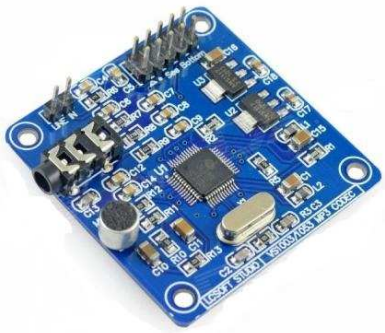
Ref: 108.MD0089
Teclado membrana 3x4 matrix microprocesador control

Ref: 108.MD0090
Teclado membrana 4x4 matrix microprocesador control

Ref: 108.MD0097
Modulo reloj DS1302 (Sin la pila CR1220)

PILA CR1220
NO INCLUIDA

Ref: 108.MD0121
Modulo MP3 con micrófono en placa VS1003

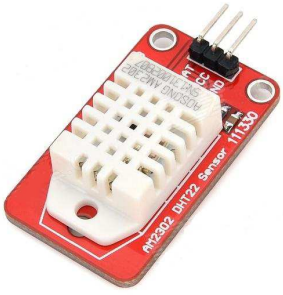


Ref: 108.MD0297
Modulo 2812-8Bit 8xLED SMD5050 RGB Full color

SMD5050 RGB
8xLED FULL COLOR

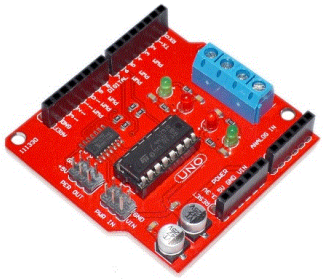
Ref: 108.MD0017
Modulo ultrsonidos HC-SR04

Ref: 108.MD0024
Modulo sensor de temperatura y humedad AM2302/DHT22



Ref: 108.MD0012
Modulo buzzer activo 2.4KHz

Ref: 108.EB0015
L293 1A modulo expansión driver dual motor

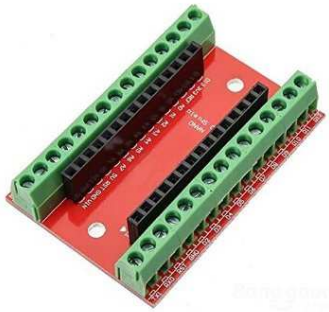


Ref: 108.MD0224
L298N V2 modulo driver motor con dc-dc 5v de salida

Ref: 108.EB0016
L293D modulo driver motor

Ref: 108.MD0227
Modulo data logging shield XD-204 Adquis. de datos

Ref: 108.EB0057
Modulo de expansión para NANO



Ref: 108.EB0053
Modulo de expansión a tornillo para UNO-R3 y MEGA

Ref: 108.CP0010
Sonda de temperatura sumergible DS18B20

Ref: 108.CP0019
Micro motor servo SG90 9g

Ref: 108.CP0095
Motor paso-paso 28BYJ-48 5VDC+Driver ULN2003

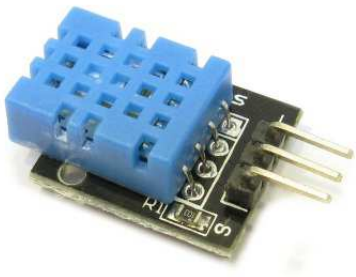
Ref: 108.KS0012
ADXL345 Modulo acelerómetro 3 ejes

Ref: 108.KS0023
18B20 modulo sensor de temperatura

Ref: 108.KS0040
MQ-2 modulo sensor de gas analógico

Ref: 108.KY0035
Modulo efecto hall magnético 5VDC

Ref: 108.MD0015
DHT11 modulo de temperatura y humedad digital



Ref: 108.MD0025
Modulo sensor digital de inclinación (Tilt)

Ref: 108.MD0031
Modulo sensor de tacto capacitivo

Ref: 108.MD0035
Modulo sensor de sonido analógico

Ref: 108.MD0037
Modulo sensor de vibración

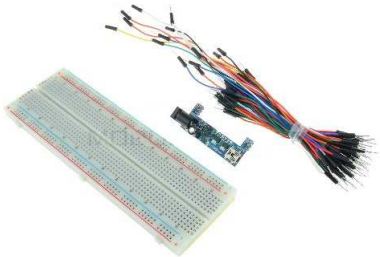
Ref: 108.MD0039
DS3231 modulo reloj

Ref: 108.MD0052
Modulo sensor de movimiento (PIR)

Ref: 108.MD0054
BMP180 Modulo sensor barométrico de presión atmosférica

Ref: 108.MD0263
ESP8266 modulo WIFI

Ref: 108.MD0110
Modulo alimentación 3.3~5v + placa



Ref: 108.0031
Caja original para Arduino/Funduino UNO y MEGA

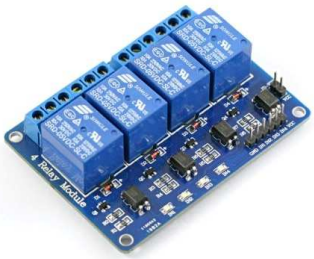
Ref: 108.0032
Caja transparente para Arduino/Funduino UNO

Ref: 108.KIT0086
Plataforma experimental para UNO-R3 y MEGA

Ref: 108.RL001
Modulo rele 5VDC de 1 Canal (10A)

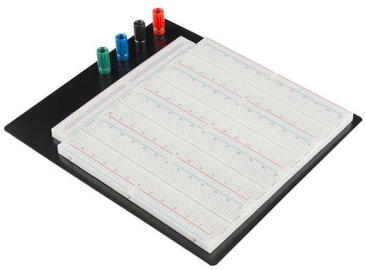
Ref: 108.RL002
Modulo reles 5VDC de 2 Canales (10A)

Ref: 108.RL004
Modulo reles 5VDC de 4 Canales (10A)

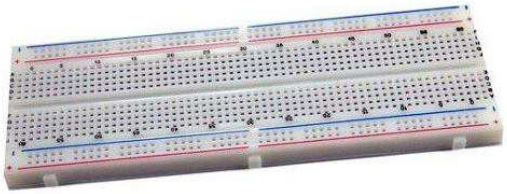


Ref: 108.RL008
Modulo reles 5VDC de 8 Canales (10A)

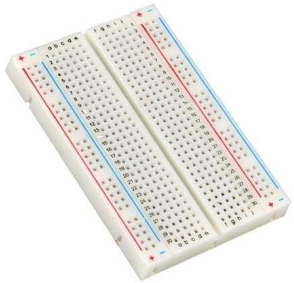
Ref: 108.0162
Placa pruebas 3220 puntos paso:2.54mm



Ref: 108.0160
Placa pruebas 830 puntos paso:2.54mm



Ref: 108.0161
Placa pruebas 400 puntos paso:2.54mm



Ref: 108.0009
Kit de 140 cables puente para placas de pruebas

Ref: 108.0005
Cable dupont 40vias 20cm macho-macho

Ref: 108.0006
Cable dupont 40vias 20cm macho-hembra

Ref: 108.0007
Cable dupont 40vias 20cm hembra-hembra

Ref: 108.CP0302
Buzzer 5v pasivo

Ref: 108.CP0302/ACT
Buzzer 5v activo 2.4KHz

Ref: 105.LED5R/RGB
Diodo LED RGB 5mm

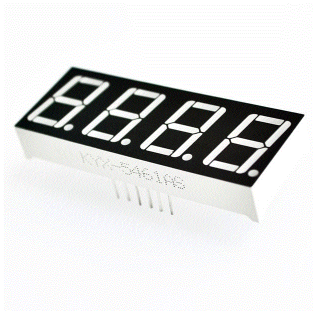
Ref: 108.MD9001
TMD1637 modulo reloj para Arduino/Funduino 0.36” 5v o 3.3V iluminación en rojo

Ref: 105.LED07SAC/RO
Led display 7-seg. Anodo común color rojo R:0.56mm

Ref: 105.LED07X2AC/RO
LED DISPLAY 2X7 SEG. ANODO COMUN 0.56" 10 PIN COLOR ROJO

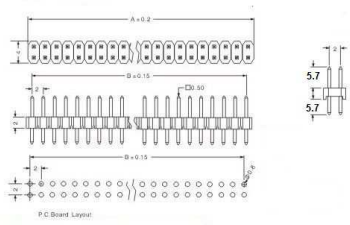
Ref: 105.LED07X3AC/RO
LED DISPLAY 3X7 SEG. ANODO COMUN 0.36" 10 PIN COLOR ROJO

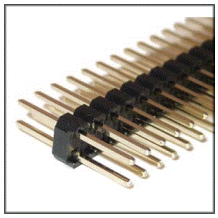
Ref: 105.LED07X4AC/RO
LED DISPLAY 4X7 SEG. ANODO COMUN 0.56" 12 PIN COLOR ROJO



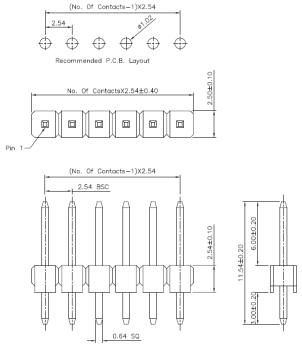
Ref: 105.LED07X4ACC/RO
LED DISPLAY 4X7 SEG. TIPO RELOJ ANODO COMUN 0.56" 14PIN COLOR ROJO

Ref: 161.0960.11
Tira 2x40 pin 2.54mm



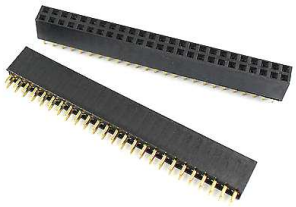


Ref: 161.0754.11
Tira 40 pin 2.54mm



Ref: 161.0961
TIRA PINES HEMBRA 1X40 PIN DE 2.54MM

Ref: 161.0962
TIRA PINES HEMBRA 2X40 PIN DE 2.54MM



Ref: 161.1234.11
Portapilas 4xAA