

1. MCU - ESP32

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Pin Definition

Communication, ESP32 Wi-Fi Boards, Modules, Mother Boards, Show All Communications, Show All Wi-Fi Boards, Wi-Fi Series Boards, Wi-Fi Transceiver Modules, Wi-Fi Transceivers

ESP32 Development Board 2.4GHz WiFi+Bluetooth 38 Pin

SKU: COM0235
Availability: **In stock**

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ESP32 is already integrated antenna and RF balun, power amplifier, low-noise amplifiers, filters, and power management module. The entire solution takes up the least amount of printed circuit board area.

This board is used with 2.4 GHz dual-mode Wi-Fi and Bluetooth chips by TSMC 40nm low power technology, power and RF properties best, which is safe, reliable, and scalable to a variety of applications.

1,990.00

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<https://www.duino.lk/product/esp32-development-board-38-pin/>

2. Relay modules

Home > Related Accessories > Relays / Relay Modules > 12V 4 Channel Relay Module With Optocoupler LED

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12V 4 Channel Relay Module With Optocoupler LED

SKU: ML2205
Availability: **In stock**

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This is a 12V 4-Channel Relay interface board

Be able to control various appliances, and other equipments with large current

It can be controlled directly by Micro-controller (for arduino, 8051, AVR, PIC, DSP, ARM, ARM, MSP430, TTL logic)

12V 4-Channel Relay interface board, and each one needs 50-60mA Driver Current

Equipped with high-current relay, AC250V 10A ; DC30V 10A

Indication LED's for Relay output status

1,050.00

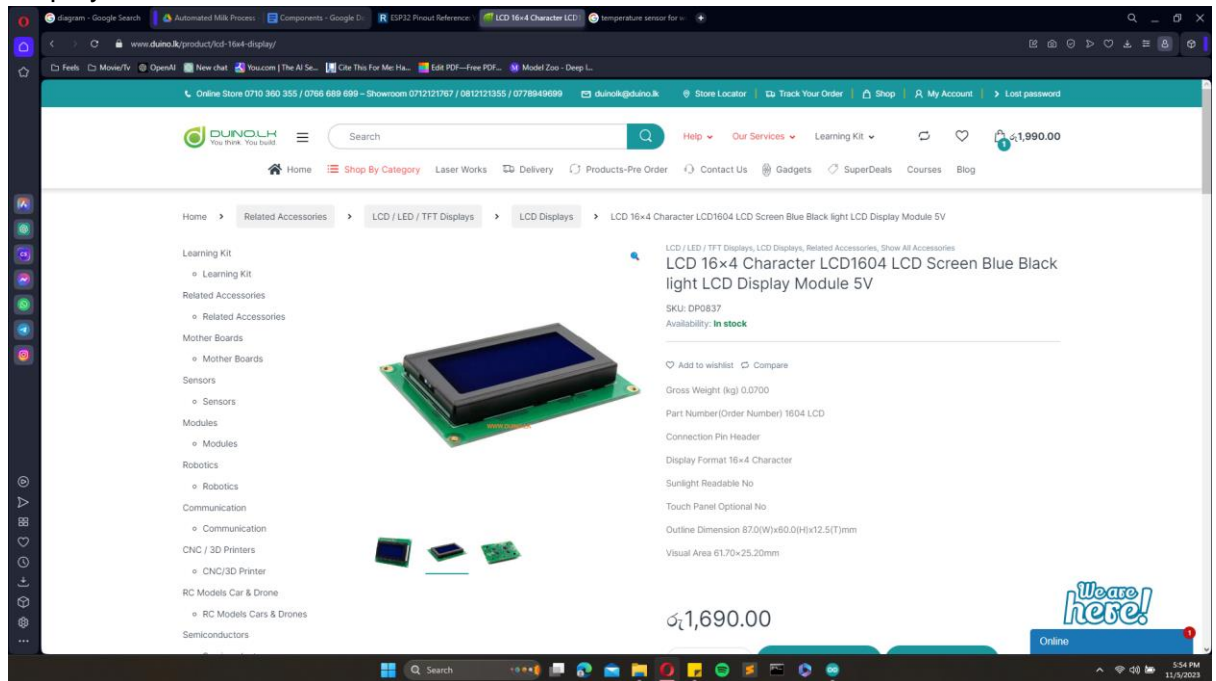
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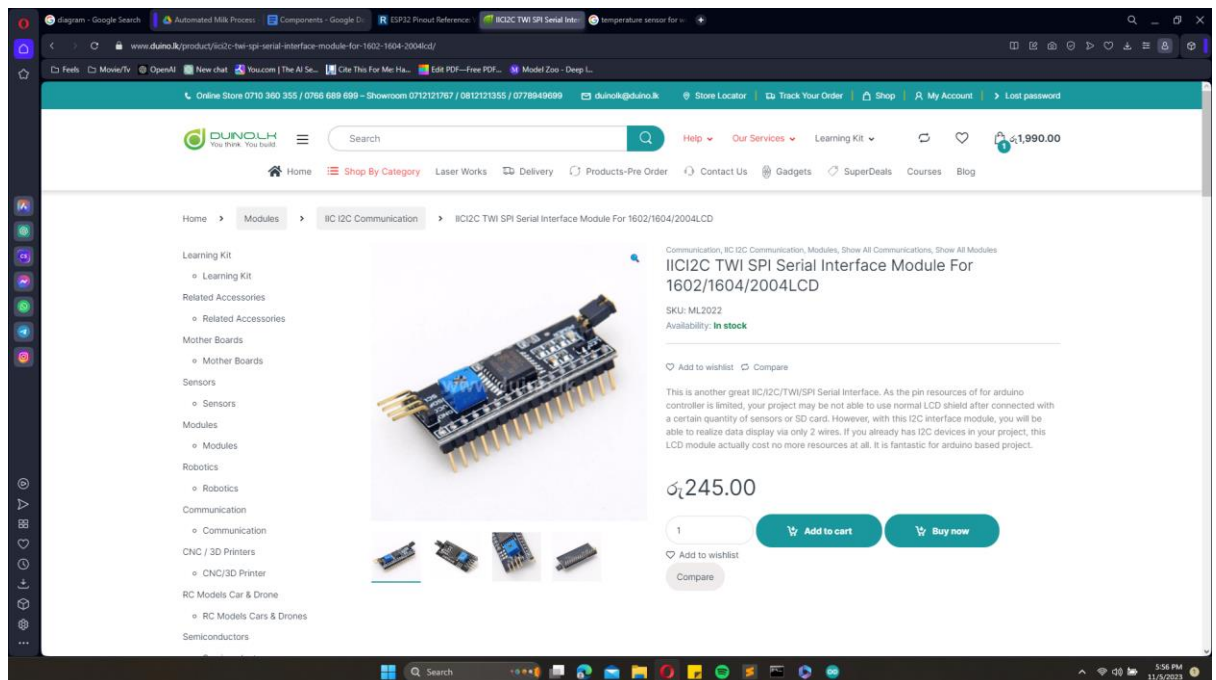
<https://www.duino.lk/product/12v-4channel-relay-module/>

3. Display



<https://www.duino.lk/product/lcd-16x4-display/>

4. SPI Serial interface



<https://www.duino.lk/product/iici2c-twi-spi-serial-interface-module-for-1602-1604-2004lcd/>

5. Temp sensor

The screenshot shows the product page for the DS18B20 Waterproof Temperature Sensor with Waterproof 1-Wire on the lk-tronics.com website. The page features a navigation bar at the top, a sidebar on the left with categories and latest products, and a main product area on the right. The product is shown with a large image, a price of ₹600.00 (33% off from ₹899.00), and a description. The description states that this is a pre-wired and waterproofed version of a 1-Wire DS18B20-compatible sensor, which is precise ($\pm 0.5^{\circ}\text{C}$) over much of the range and can give up to 12 bits of precision from the onboard digital-to-analog converter. They work great with any microcontroller that supports 1-Wire communication.

<https://lk-tronics.com/product/ds18b20-digital-temperature-sensor/>

Number	Quantity	Price Rs.
1	1	1,990
2	2	2,100
3	1	1,690
4	1	245
5	3	1,800
Total		Rs. 7,825