Chipsmall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!
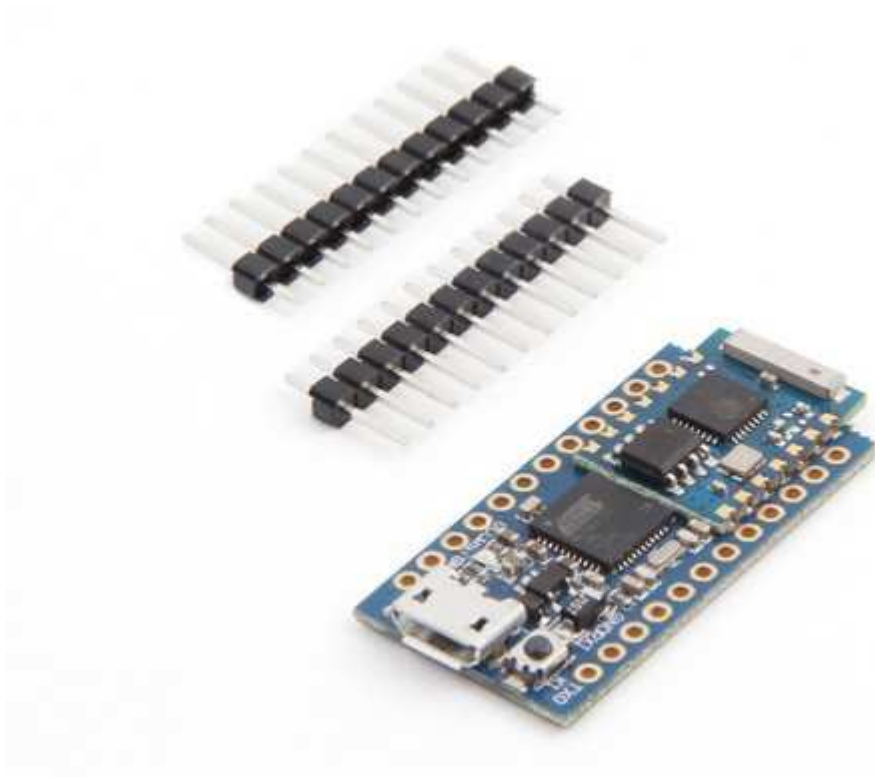
Contact us

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Cactus Micro Rev2 Arduino compatible plus esp8266

SKU: 317060018

Cactus Micro is our integrated developement board, we have mixed Arduino with WI-FI into a single board. It is targeted for makers to develop low power Internet-Of-Things (IoT) projects quickly and easily.
The revision 2 use hardware serial port Serial1 as default option. It also Added some jumpers for connect esp8266 GPIO. For some usage such as I2C.

What makes it special?
Cactus Micro is tiny size Arduino compatible dev board. It's built-in a esp8266 module (esp-03).
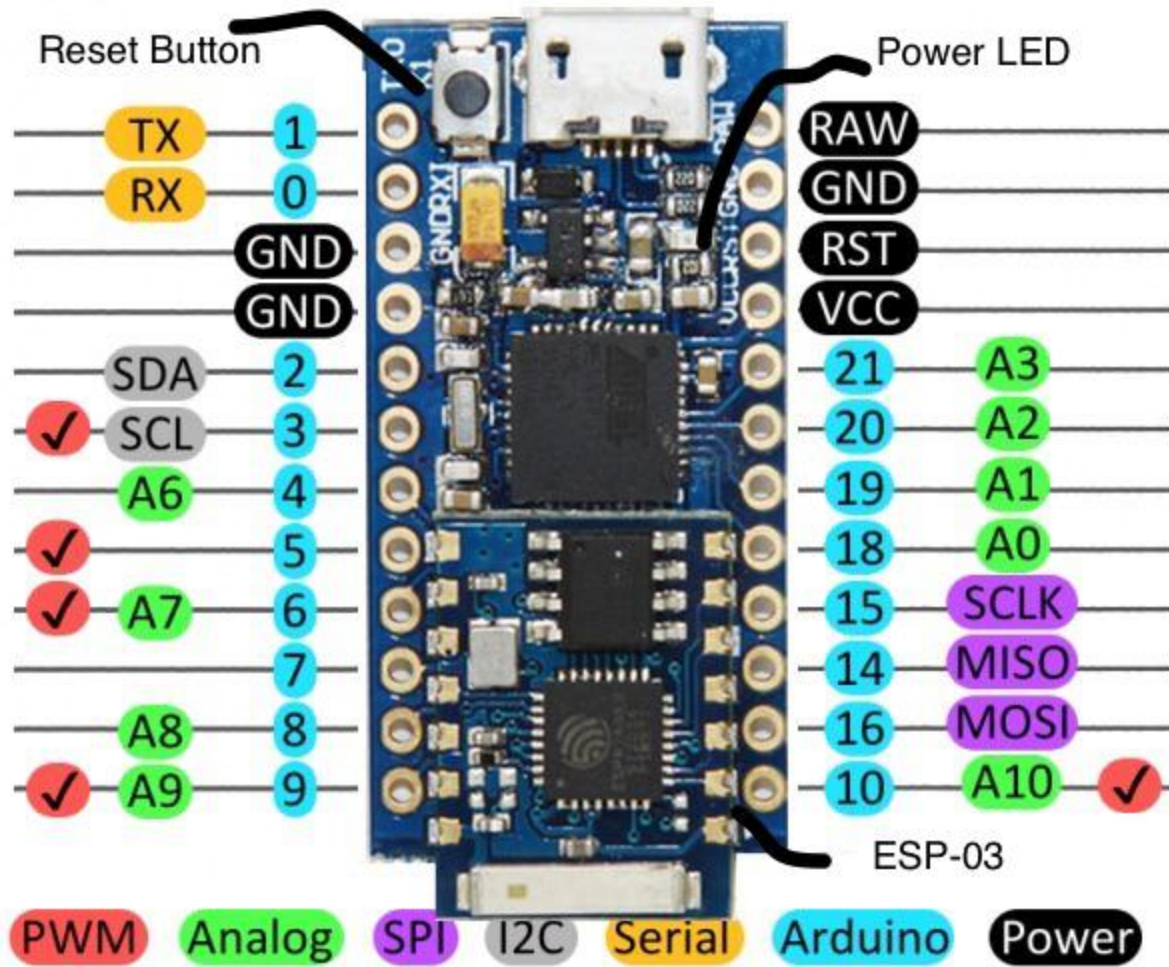
Features：

- Built-in ESP8266 WIFI module
- ATmega32U4 running at 3.3V/8MHz
- Supported under Arduino IDE 1.0.6
- On-Board micro-USB connector for programming
- 4 x 10-bit ADC pins
- 12 x Digital I/Os (5 are PWM capable)
- Rx and Tx Hardware Serial Connections

Getting Started
Open Arduino IDE and choose board "LilyPad USB" to start playing with your Cactus Micro in just a few easy steps.

How it works

- The ESP8266 chip communicates with ATMega32U4 through the hardware serial port Serial1.
- The pin 13 is connected to pin CH_PD of ESP8266. Put the pin 13 high to enable ESP8266 chip.

Reset Button

Power LED

TX	1
RX	0
GND	
GND	
SDA	2
✓ SCL	3
A6	4
✓	5
✓ A7	6
	7
A8	8
✓ A9	9

RAW	
GND	
RST	
VCC	
21	A3
20	A2
19	A1
18	A0
15	SCLK
14	MISO
16	MOSI
10	A10 ✓

ESP-03

PWM Analog SPI I2C Serial Arduino Power

Part List:

- 1 xCactus Micro
- 1x ESP8266 module (ESP-03)
- 1x Male headers (Not soldering)