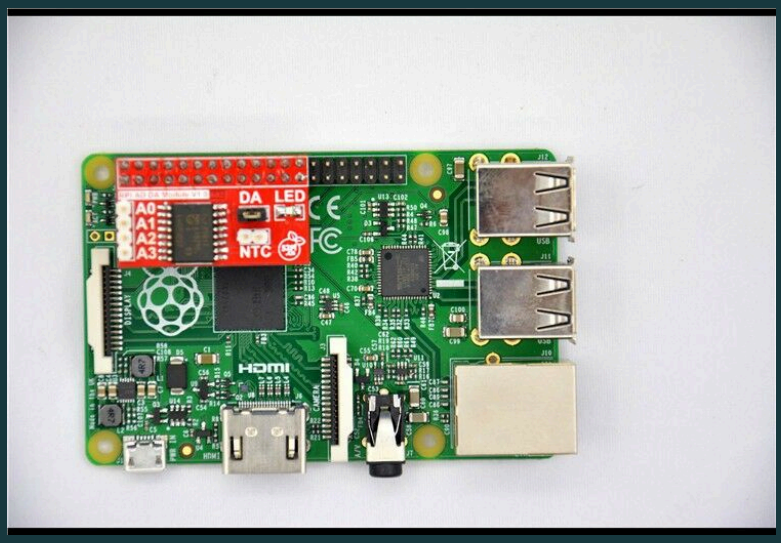
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INDUSTRIAL PRODUCT DATASHEET

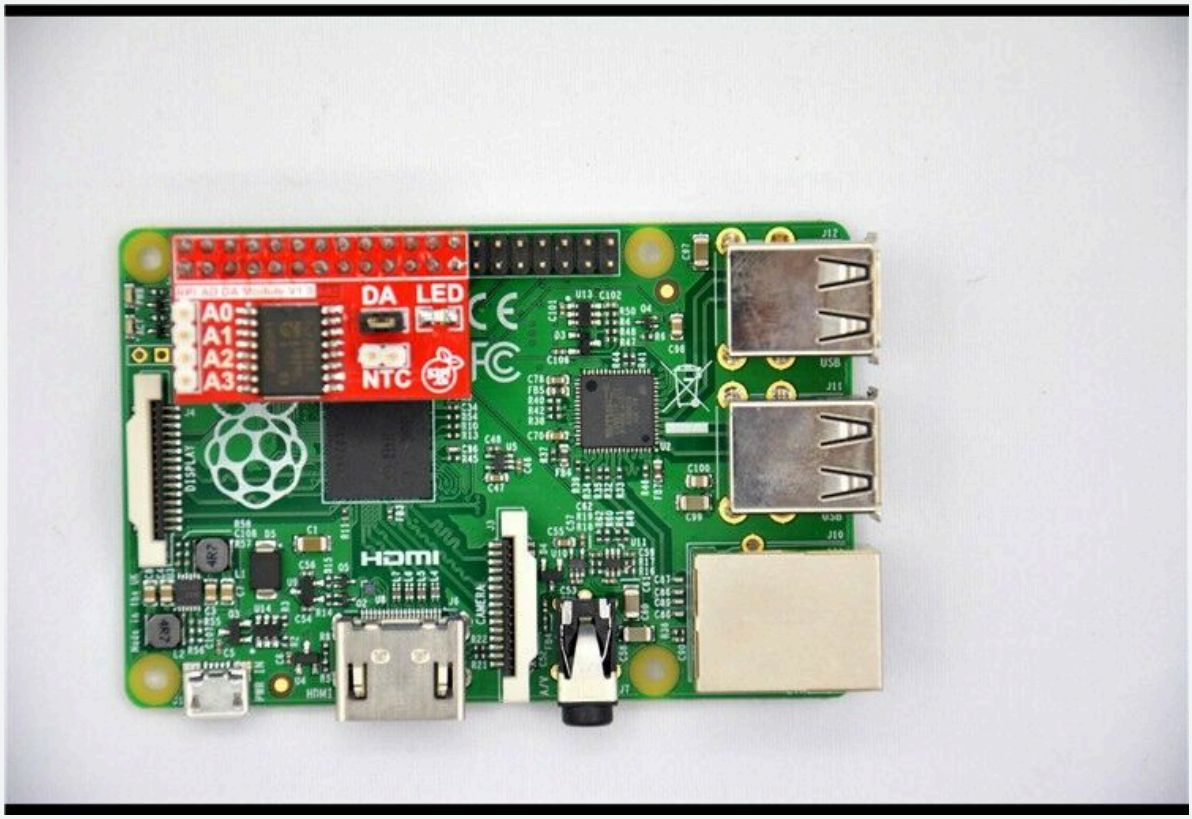
Raspberry Pi B&A+&B+&2 AD&DA Expansion Board

8-bit AD/DA Expansion Board for Raspberry Pi with PCF8591T, I2C, and wiringPi support.

SKU	UPDATED	PRICE
103990060	2024-12-17 03:22:57	$10.95(Excl. VAT)



Overview



The Raspberry Pi AD/DA Expansion Board provides 8-bit analog-to-digital and digital-to-analog conversion via the I2C bus using a PCF8591T chip. It features four ADC channels, thermistor and photoresistor interfaces, a controllable LED, and compatibility with Raspberry Pi A+, B, B+, and 2 as well as wiringPi for easy scripting.

Key Features

The DA/AD module is specifically designed for RaspberryPi. It communicated with RaspberryPi through I2C bus. There is a LED light on the board that you can adjust brightness through DA. The module supply 4 ADC channel through header on the left side of module and the thermistor interface. The user can choose according to actual demand and use them. The module is easy to use even you don’t need to write C code. Because the module support wiringPi so you can use shell script to control it.

Produce Features：

- Use PCF8591T chip
- DA/AD in one module
- 8bit high resolution DA/AD
- Compatible with wiringPi
- Compatible with Raspberry Pi A+,B,B+/2.
- Supply thermistor and photoresistance

Port：

- Raspberry Pi connection port
- Thermistor interface
- 4 external analog channel
- Electric level switch jumper
- LED of DA choice jumper

Product Parameters：

- Working voltage: 2.5V-6.0V
- 8-bit successive approximation A/D conversion
- Multiplying DAC with one analog output

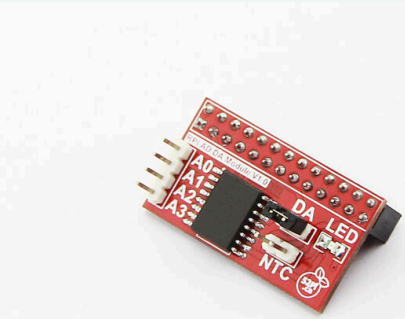
- Analog voltage range from Vss to VDD
-
- 4 analog inputs configurable as single ended or differential inputs
-
- Max sampling rate given by I2C-bus speed
-
- −40°C to +85°C operation

Typical Application：

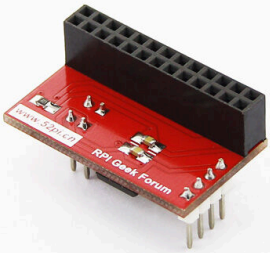
-
- Supply monitoring
-
- Reference setting
-
- Analog control loop

Datesheet

Product Gallery









Compliance & Logistics

HSCODE	8543909000
ROHS	1

Resource Links

- https://www.seeedstudio.com/Raspberry-Pi-B-A-B-2-AD-DA-Expansion-Board-p-2061.html

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