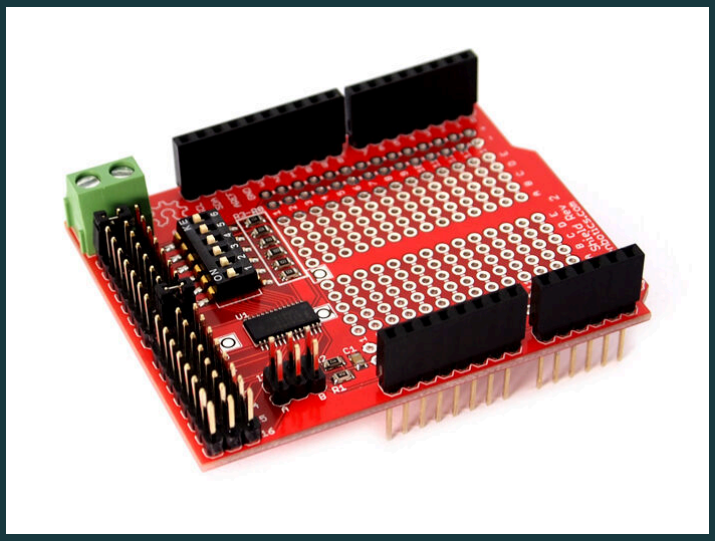
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INDUSTRIAL PRODUCT DATASHEET

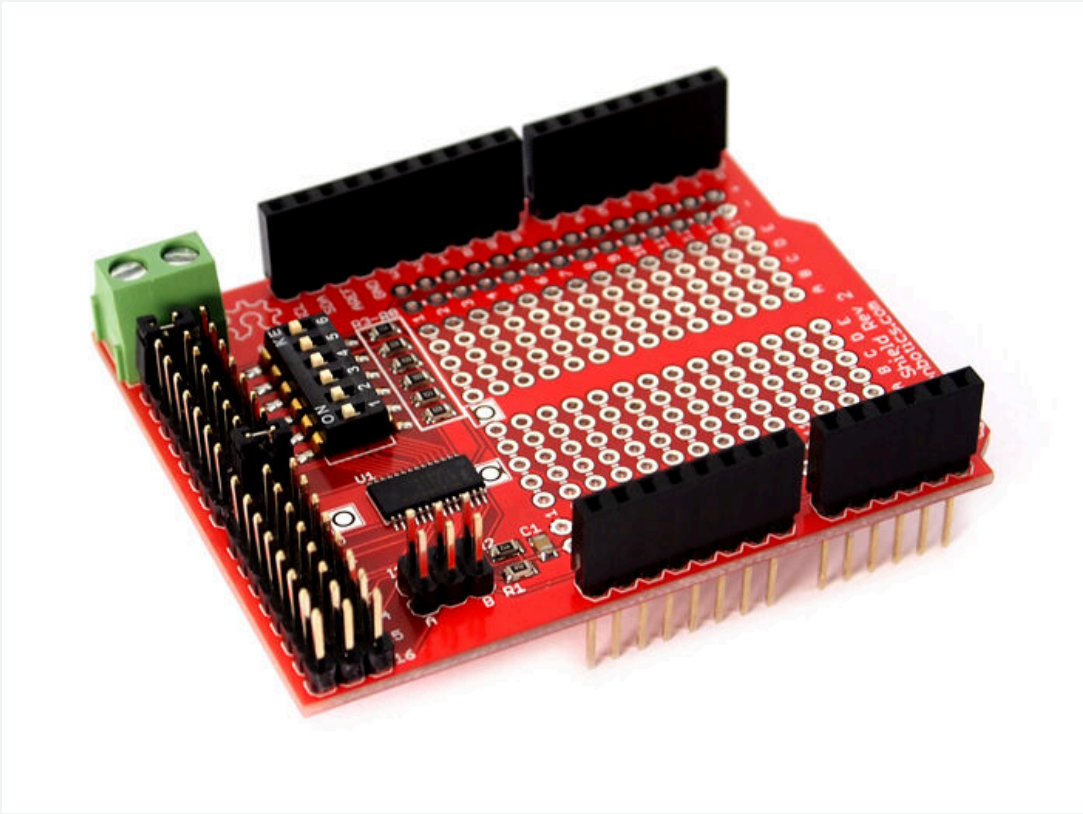
Renbotics ServoShield V2.0

Arduino-compatible shield for controlling up to 16 servos over I2C, stackable to 992 servos.

SKU	UPDATED	PRICE
105030003	2024-08-09 02:11:40	$16.95(Excl. VAT)



Overview



The Renbotics Servo Shield Rev 2 drives 16 servos via a PCA9685 over I2C using only two Arduino pins, and is stackable up to 62 shields for 992 servos. It features a DIP switch for address selection, a screw terminal for servo power, and a 196-point prototyping area.

Key Features

The Renbotics Servo Shield Rev 2 is an Arduino-compatible shield that uses only two pins to drive 16 servos per shield. The Renbotics Servo Shield Rev 2 uses a PCA9685 over I2C to provide 16 free-running servo outputs. The address of the board is selectable via a DIP switch making it easy to stack up to 62 shields to control up to 992 servos. Two jumpers make it easy to select the Arduino host model used.

Features

- 16 Servo Channels
- Convenient screw terminal for servo power supply
- 196 Point breadboard style prototyping area
- Compatible with Arduino Duemilanove, UNO, Leonardo and Arduino Mega 2560
- Dip switch to easily set and/or change address
- 50Hz or 60Hz mode
- Easy to use API

Applications

- Robotics
- Animatronics
- Mechatronic Art

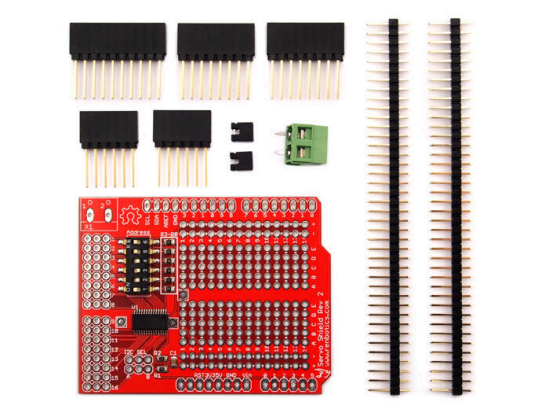
Parts List

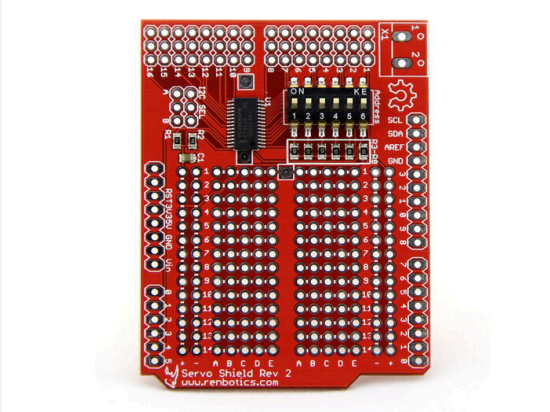
- Renbotics Servo Shield Rev 2 PCB with all surface mount components x 1
- 10 pin Female Stacking Header x 1
- 8 pin Female Stacking Headers x 2
- 6 pin Female Stacking Headers x 2
- 2 pin Screw Terminal x 1
- 8 pin Male Breakaway Headers x 6
- 3 pint Male Breakaway Headers x 2
- Jumpers x 2

Resources

- **Documentation Link**
- **Libraries Link**
- **Eagle Files Link**
- **Product Page**
- **Git**

Product Gallery





Part List

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- Jumpers x 2

Compliance & Logistics

HSCODE

Resource Links

- https://www.seeedstudio.com/Renbotics-ServoShield-V2-0-p-1299.html
- Manual Rev 1.5
- Arduino Library Rev 1.3 (Updated 07-09-2009)

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