Arduino Shield List

Pin usage details for 317 shields from 125 makers, and counting!

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Arduino Ethernet Shield v5.0

RESET
3.3V
5V
GND
GND
VIN

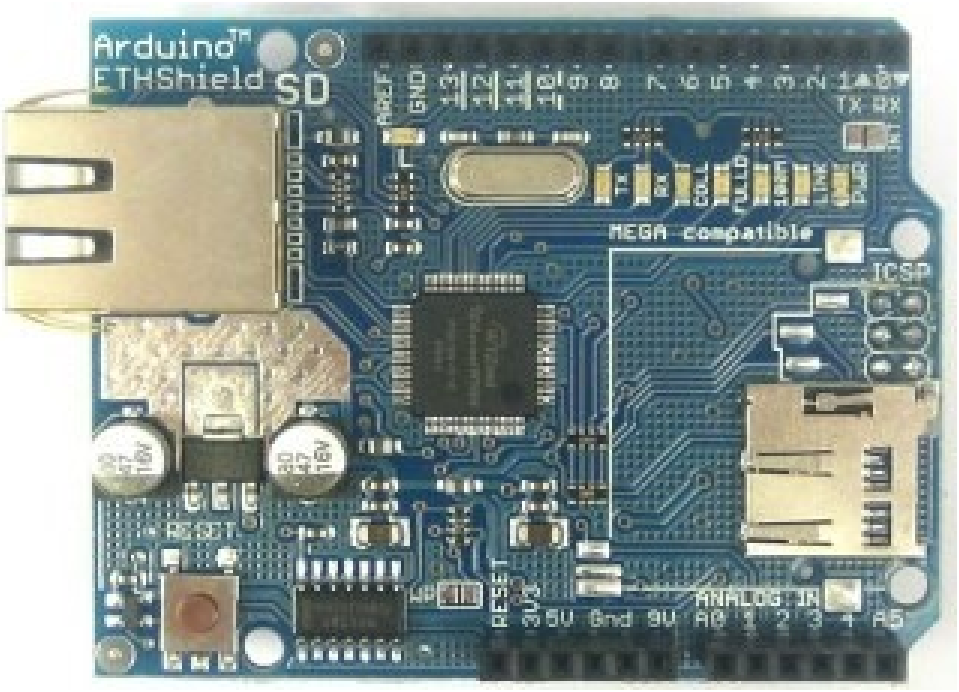


Photo: Arduino Team

Shield URL: Ethernet Shield v5.0
Tags: *ethernet, network, lan*
Maker: Arduino

The Arduino Ethernet Shield allows an Arduino board to connect to the internet. It is based on the Wiznet W5100 ethernet chip.

The Wiznet W5100 provides a network (IP) stack capable of

A0 ☑
A1 ☑
A2 ☐
A3 ☐
A4 ☐
A5 ☐

Note:
Arduino communicates with both t
using the SPI bus (through the ICS
D12, and D13 on "classic" format
Duemilanove, and pins D50, D51,
Mega.

D10 is used to select the W5100 ar
general I/O.

D4 is used for the SD card and can
I/O if the SD slot is not occupied.

D2 is used if a solder bridge is plac

both TCP and UDP. It supports up to four simultaneous socket connections. Use the Ethernet library to write sketches which connect to the internet using the shield. The ethernet shield connects to an Arduino board using long wire-wrap headers which extend through the shield. This keeps the pin layout intact and allows another shield to be stacked on top.

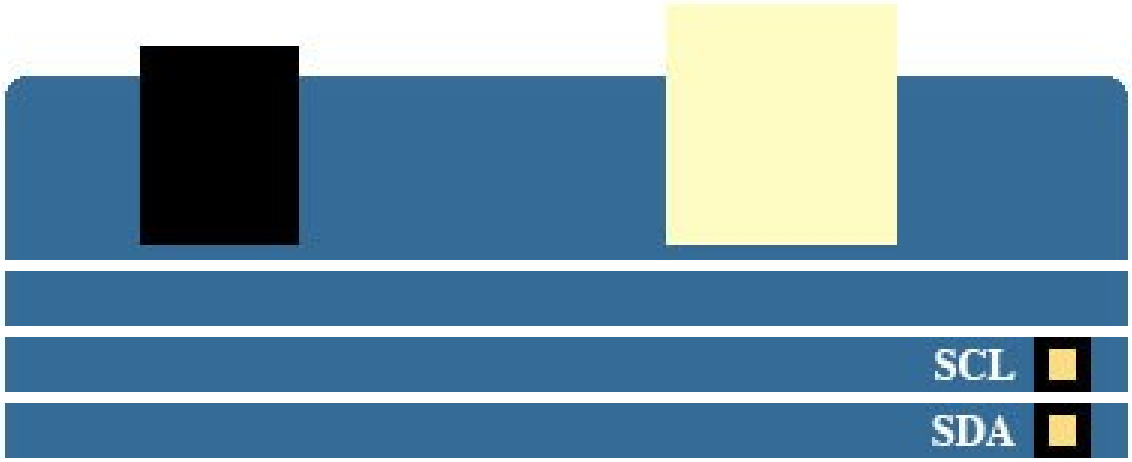
Version 5.0 includes a microSD slot in place of the SD slot used in previous versions.

Open Source: Yes, OSHW-compliant
License: CC BY-SA 3.0
Source: www.arduino.cc/en/Main/ArduinoEtherne...

connect it to the W5100's INT pin.

On the Mega, the hardware SS pin either the W5100 or the SD card, b output or the SPI interface won't w

Although not used by most SD car to the SD slot's write protect (WP) the card detect switch. Both are pu the Ethernet shield. These pins the analog input with the shield unless clipped off before inserting the shi Additionally, if a user's circuit uses the pullups may cause problems fo



Did I make a mistake? Tell me!

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