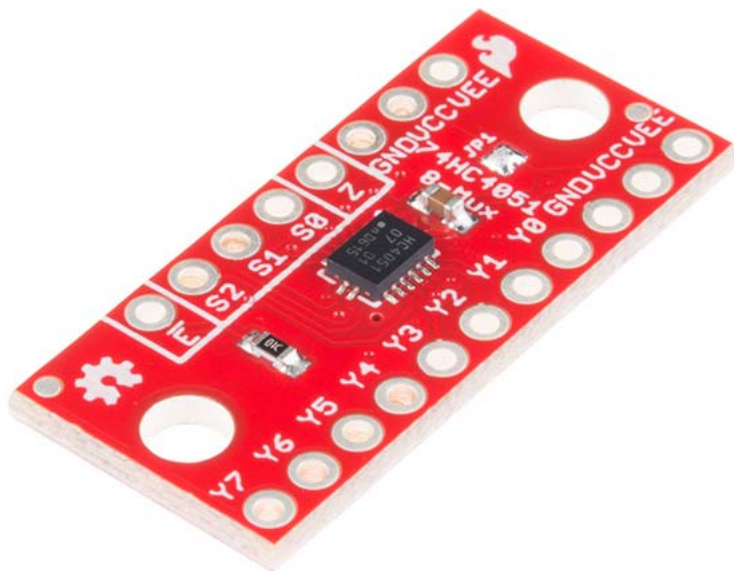




SparkFun Multiplexer Breakout - 8 Channel (74HC4051)

BOB-13906 ROHS✓✱

★★★★★ 1



\$1.95

1	quantity
<input checked="" type="radio"/>	129 in stock
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Description: The SparkFun Multiplexer Breakout provides access to all pins and features of the 74HC4051, an 8-channel analog multiplexer/demultiplexer. The 74HC4051 allows you to turn four I/O pins into eight multifunctional, individually selectable signals, which can be used to do everything from driving eight LEDs to monitoring eight potentiometers.

The 74HC4051 can function as either a multiplexer or a demultiplexer, and it features eight channels of selectable inputs/outputs. The routing of common signal to independent I/O is set by digitally controlling three select lines, which can be set either high or low into one of eight binary combinations.

One half of the board breaks out the control signals (E, S0-S2) and common input/output (Z). The other side provides access to all eight independent I/O's (Y0-Y7). Both sides include supply and ground connections (VCC, VEE, GND).

[GET STARTED WITH THE 74HC4051 BREAKOUT GUIDE](#)

SparkFun 8 Channel Multiplexer Breakout



Features:

- Switches analog or digital signals
- 8 channels controlled by 3 select inputs
- Wide voltage supply range: 2 – 10V
- Bipolar supply support (e.g., $\pm 5V$)
- Optional enable input
- Breadboard compatible breakout

Documents:

- Schematic
- Eagle Files
- Hookup Guide
- Datasheet (74HC4051)
- GitHub

Recommended Products



SPARKFUN RECOMMENDED
Break Away Headers - Straight
PRT-00116
\$1.50
★★★★☆ 20



SPARKFUN RECOMMENDED
Hook-Up Wire - Assortment (Solid Core, 22 AWG)
PRT-11367
\$16.95
★★★★☆ 21



SPARKFUN RECOMMENDED
Hook-Up Wire - Assortment (Stranded, 22 AWG)
PRT-11375
\$16.95
★★★★☆ 12



SPARKFUN RECOMMENDED
Female Headers
PRT-00115
\$1.50
★★★★☆ 6

COMMENTS 11

REVIEWS ★★★★★ 1

TUTORIALS 1

Customer Reviews

★★★★★ 5 out of 5

Based on 1 ratings:

5 star	1
4 star	0
3 star	0
2 star	0
1 star	0

★★★★★ Works!

about 3 months ago by Member #801633 verified purchaser

Something that actually delivers on its claims!