Switch Characteristics
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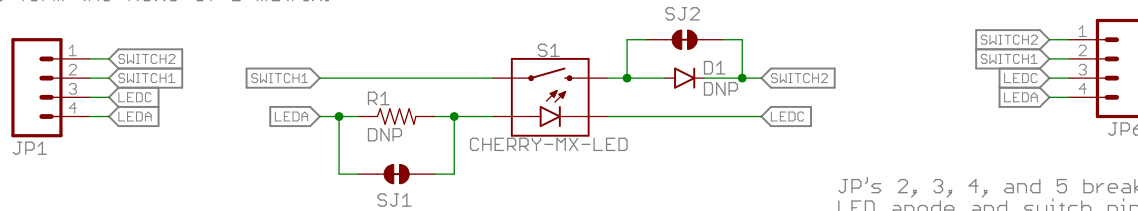- 12 VAC/DC max
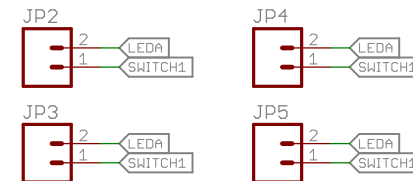- 2 VDC min
- 10mA AC/DC max
- 10uA DC min

JP1 and JP6 break out all four component pins.
The two headers are breadboard compatible.
If multiple switches are connected in a matrix,
the SWITCH2 and LED cathod pins can be
interconnected to form the ROWS of a matrix.

SJ2 shorts across D1,
effectively removing the
diode from the circuit.

SJ2

S1

D1
DNP

SWITCH1

SWITCH2

R1
DNP

LEDA

CHERRY-MX-LED

LEDC

SJ1

1 SWITCH2
2 SWITCH1
3 LEDC
4 LEDA

JP1

SWITCH2 1
SWITCH1 2
LEDC 3
LEDA 4

JP6

SJ1 shorts across R1,
effectively removing the
resistor from the circuit.

JP's 2, 3, 4, and 5 break out the
LED anode and switch pin 1.
If multiple switches and/or LEDs
are connected in a matrix, these
pins can be interconnected to form
the COLUMNS of the matrix.
The four headers are arranged to
allow connecting boards straight-on,
or at 3/8" or 3/16" offsets.

JP2
2 LEDA
1 SWITCH1

JP4
2 LEDA
1 SWITCH1

JP3
2 LEDA
1 SWITCH1

JP5
2 LEDA
1 SWITCH1

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TITLE: SparkFun-Cherry-MX-Switch-Breakout

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REV:
v10

open hardware

Date: 12/22/2015 1:35 PM

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