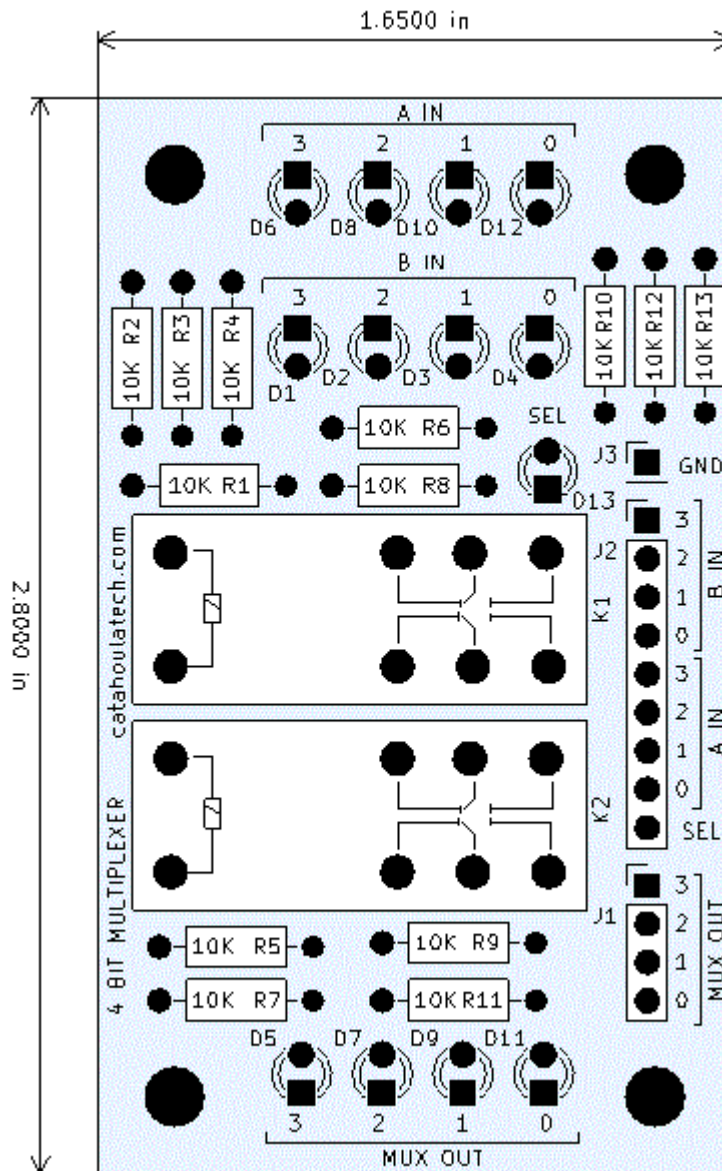


RL4519 – 4-bit 2-input multiplexer



Bill of Materials

Part	Value	Description
R1-R13	10K 1/4W	LED current limiting resistor (optional)
D1-D13	LED	3mm T-1 LED (optional)
K1-K2	G2R-2-12VDC	DPDT relay
J1-J3	Header	0.1" pitch header, right angle recommended

Mount holes are 4mm (#8 screw) diameter.

Input Ports

Name	Size	Description
SEL	1	Mux input select
GND	1	Power supply ground

Bidirectional Ports

Name	Size	Description
A IN	4	A input to mux
B IN	4	B input to mux
MUX OUT	4	Mux output

Logic function

SEL	MUX OUT
0	A IN
1	B IN

Typical Application

The RL4519 module is typically used as a 4-bit data selector to route one of 2 data inputs (A or B) to an output, but since the ports are bidirectional the module could also be used as a demultiplexer routing MUX OUT to either A IN or B IN.

