

Overview

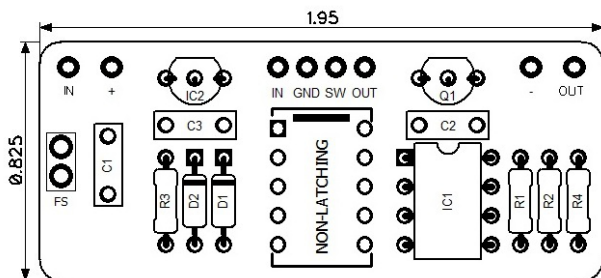
The **PedalPCB Basic Relay Bypass Module** provides a simple and inexpensive solution for relay bypass using commonly available off-the-shelf components. No microcontroller or programming is required.

A standard 4.5V - 5V non-latching relay is used.

Parts List

LOCATION	VALUE	TYPE	NOTES
R1	10K	Resistor, 1/4W	
R2	10K	Resistor, 1/4W	
R3	100K	Resistor, 1/4W	
R4	10K	Resistor, 1/4W	
C1	1u	Ceramic capacitor, MLCC	
C2	100n	Film capacitor, 7.2 x 2.5mm	
C3	100n	Film capacitor, 7.2 x 2.5mm	
D1	1N5817	Schottky diode, DO-41	
D2	1N5817	Schottky diode, DO-41	
IC1	NE555	555 Timer Integrated Circuit	
IC2	78L09	Positive Voltage Regulator, +9V	
Q1	2N3904	BJT transistor, NPN TO-92	
K1	A-4.5W-K	Non-latching 4.5V relay	
FS		Momentary SPST Footswitch	

PCB Assembly



Schematic

