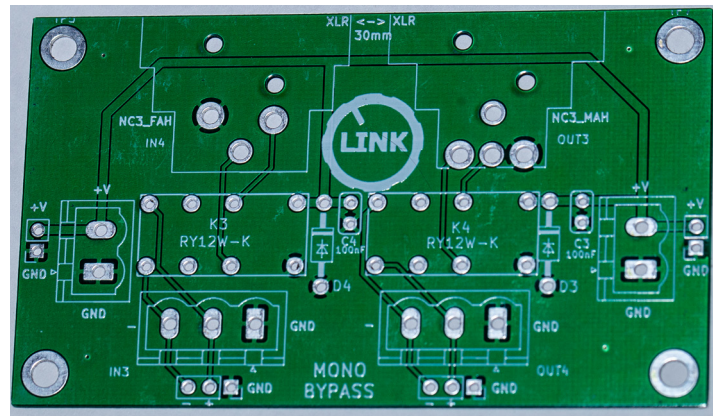
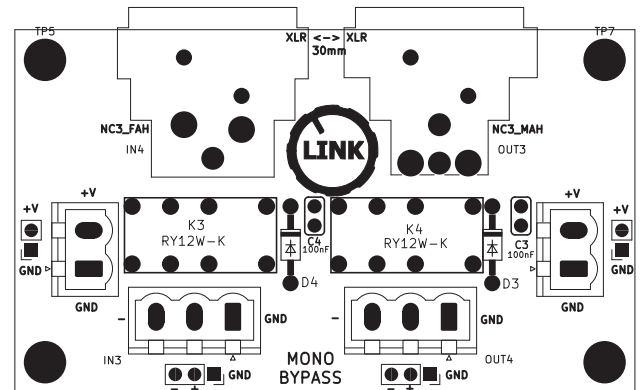


MONO BYPASS

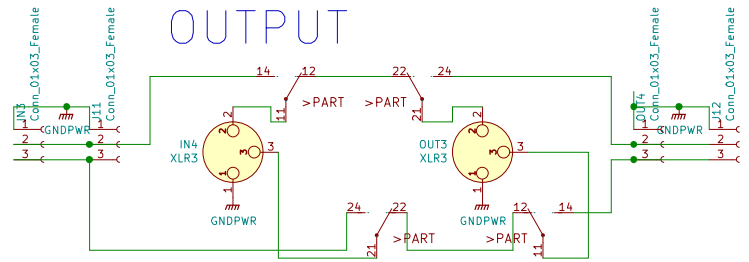
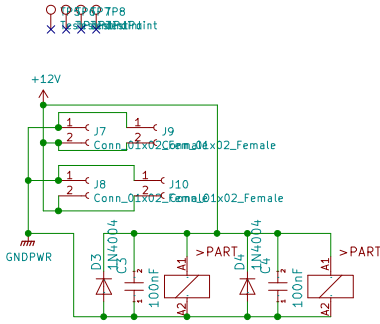
Let me introduce this Mini Project. It's basically a simple TRUE BYPASS Board for any 19" applications. The main idea is to bypass the input signal directly on this PCB. You can use any Relais on this board. We use normally 12V relays, but 5V or other variants are also possible. On the board are different In and Output Connections prepared. It's also possible to daisy chain a second Board that is controlled with same Power. The unit is unpowered in True Bypass. If you give power on the +V and GND you will switch both Relais and will signals on the 2,54mm and 5,08 phoenix Connections. We have designed this Project in Business Card Format 85x55mm. In this Sheet you get Schematic, BOM and Overlay. Have Fun!

PCB layout for reference



DISCLAIMER: Proceed at your own risk. I am not liable for any damage, harm or loss of any kind resulting from the assembly and/or use of this PCB set. Safety provisions should always be exercised whenever working with any electronics. The following instructions are guidelines only. I can make no guarantee of the accuracy of contents contained within this document.

Schematics



Bill of Materials (BOM)

1	OUT4,IN3	PinSocket_1x03_P2.54mm	2	IN/OUT
2	OUT3	XLR_Neutrik_NC3MAH-0	1	XLR_OUT
3	K4,K3	RELAIS	2	RY12W-K
4	J12,J11	PhoenixContact_2,5_3-G-5,08_1x03_P5.08mm	2	IN/OUT
5	J10,J8	PhoenixContact_2,5_2-G-5,08_1x02_P5.08mm	2	POWER IN/OUT
6	J9,J7	PinSocket_1x02_P2.54mm	2	POWER IN/OUT
7	IN4	XLR_Neutrik_NC3FAAH-0	1	XLR_IN
8	D4,D3	Diode	2	1N4004
9	C4,C3	Cermaic 2,5mm	2	100nF