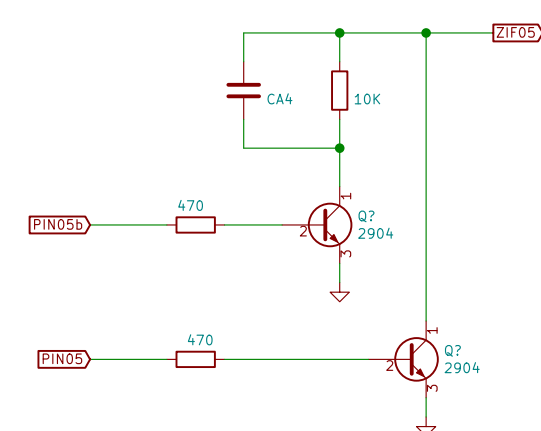
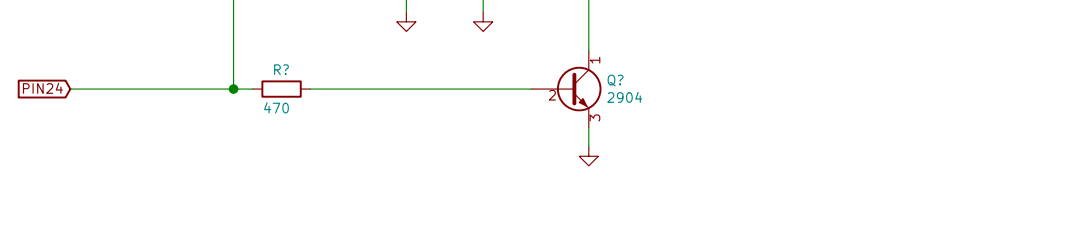
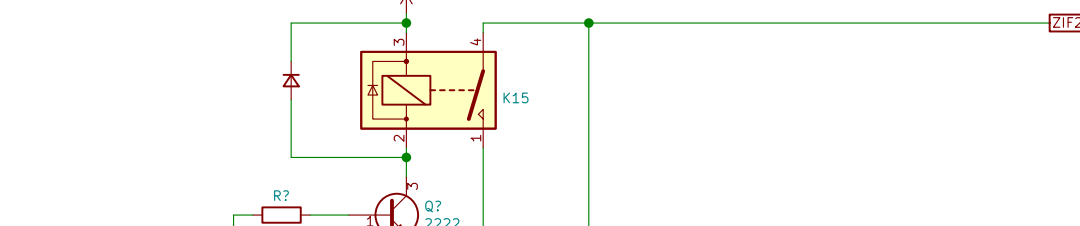
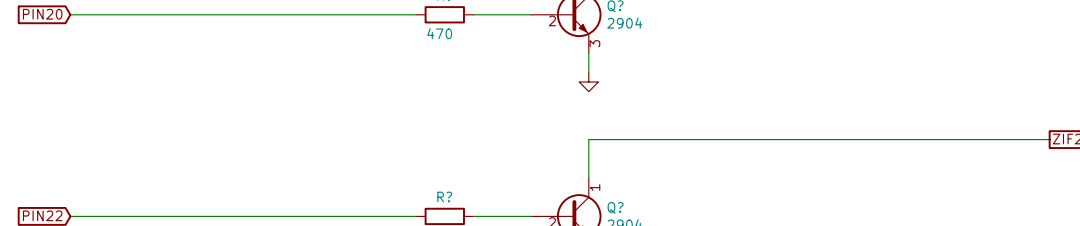
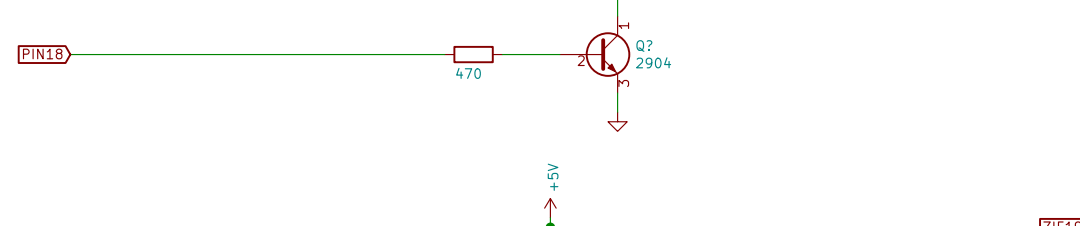
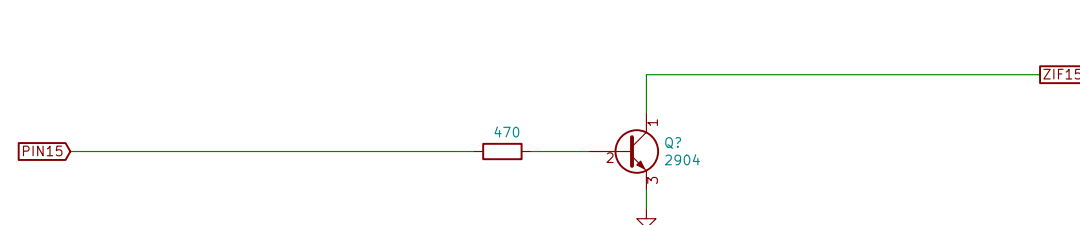
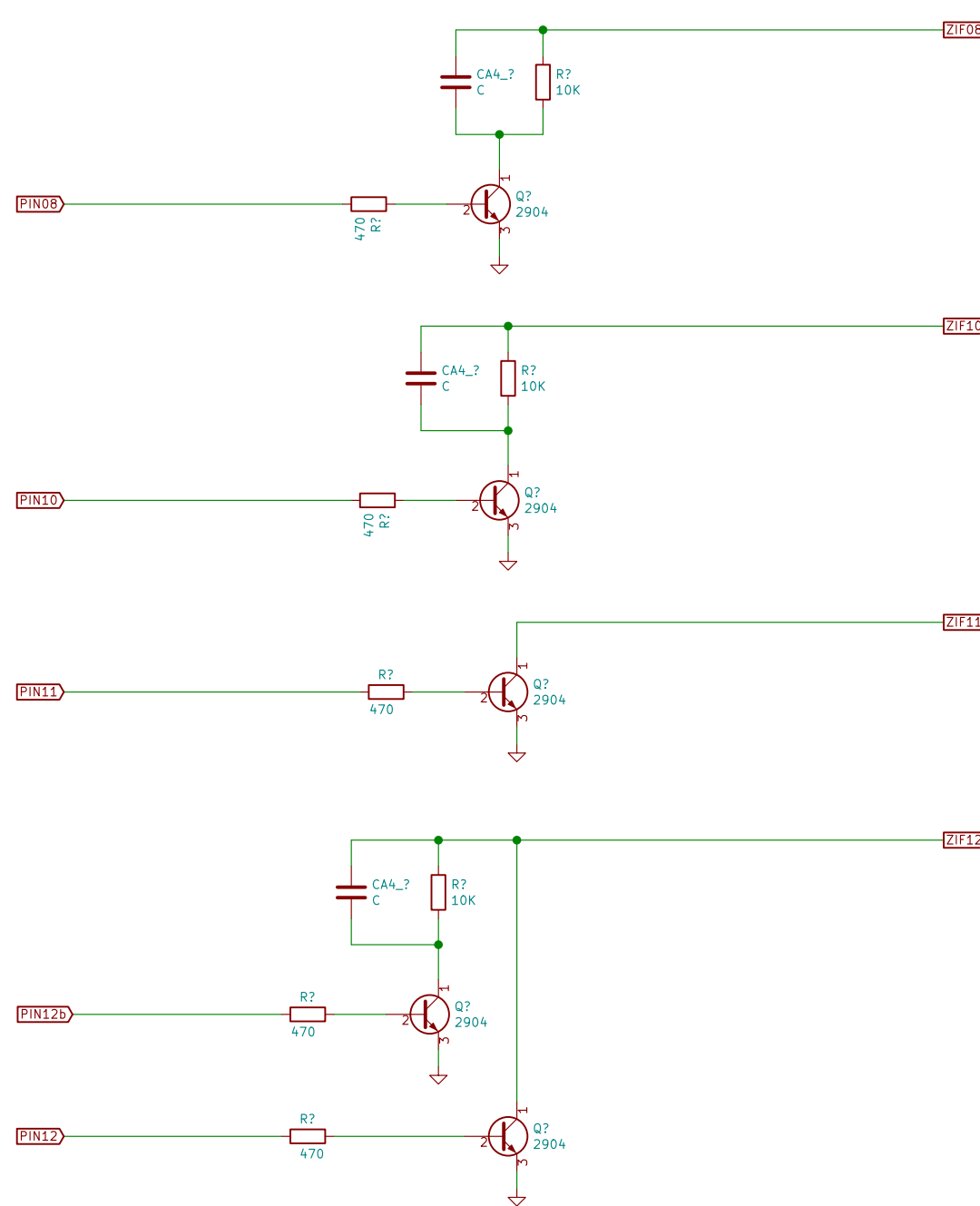


	1	2	3	4	5	
A	<div>Sheet: socket</div> <div>File: socket.sch</div>		<div>SOCKET BOARD</div>		<div>This is a reverse schematic of the DATAIO ChipLabProgrammer with DIP48–1 socket</div> <div>I have some transistors unconnected, checked every corner or the board !</div> <div>Todo</div> <div>Describe the serie of comparators on the supply board !</div> <div>Q6 to confirm purpose</div> <div>Identify U12, probably a μController, to put precise names on unkown nets.</div> <div>Find a datasheet with pin names for U34 (TC17G032AT)</div> <div>Find some info on NCR drivers U35, U38, U39</div> <div>The real PCB doesn't have any silkscreen on it. Pretty annoying to find a component.</div> <div>I wrote numbers on the PCB for Q and U only.</div> <div>What can be done is complete the KiCad annotation, fixe all errors and then use the PCB to place components and get a 3D view.</div>	
B	<div>Sheet: waveform</div> <div>File: waveform.sch</div>		<div>WAVEFORM BOARD</div>			
C	<div>Sheet: power</div> <div>File: power.sch</div>		<div>POWER BOARD</div>			
D	<div>Reverse engineering of a DATAIO Chiplab</div> <div>https://buymeacoffee.com/franck78 if usefull to you</div> <div>DATAIO</div> <div>Sheet: /</div> <div>File: chiplab.sch</div> <div>Title: Chiplab Programmer</div> <div>Size: A4Date: 2025–12–09Rev: beta1</div> <div>KiCad E.D.A. kicad 5.1.12Id: 1/4</div>					
	1	2	3	4	5	

JA: double diode, relais K et pin du ZIF
A1E: double diode

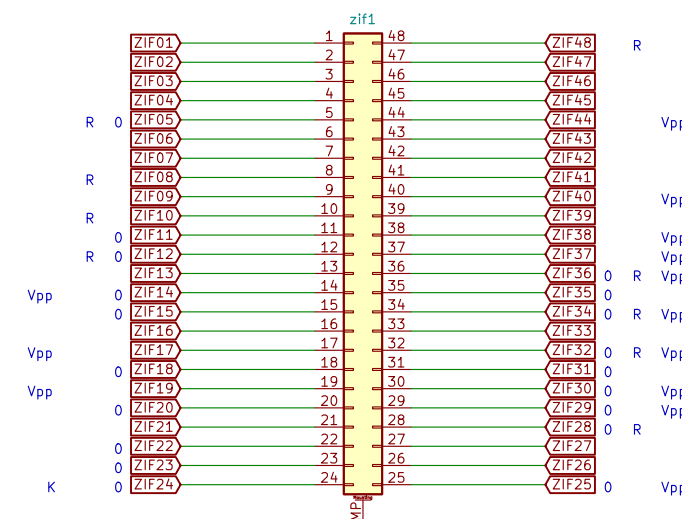
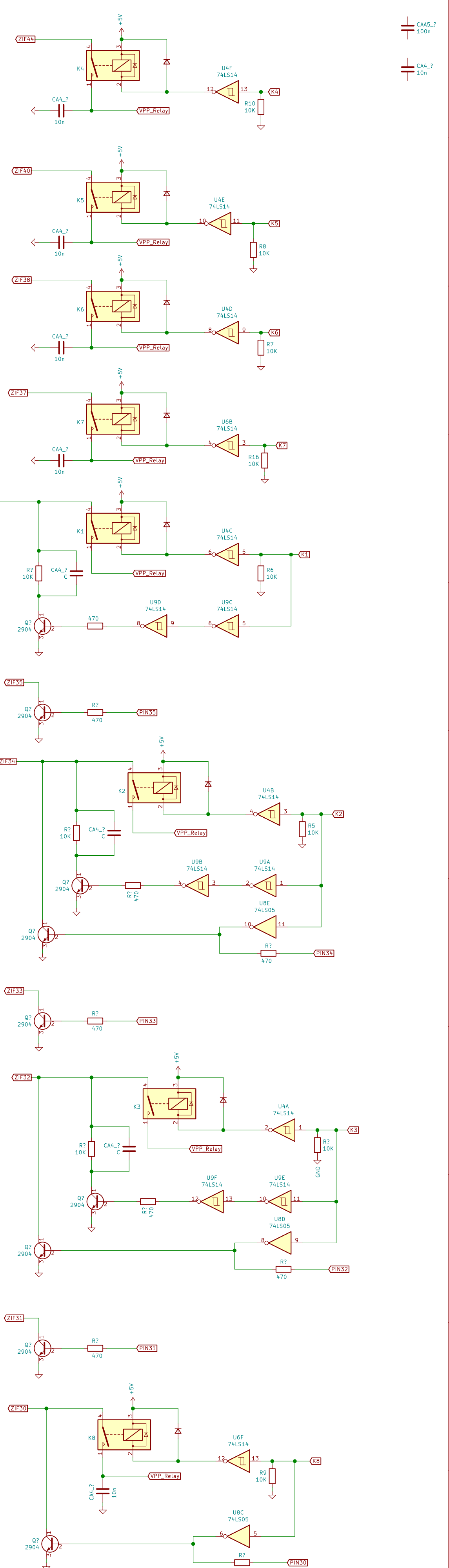
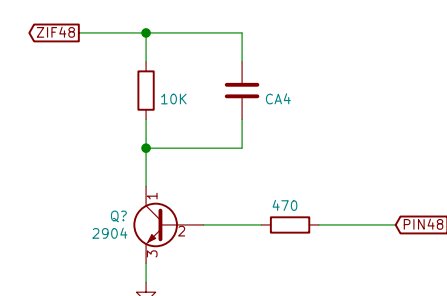
CAPA
AA4 : 10m
AA5: 100m



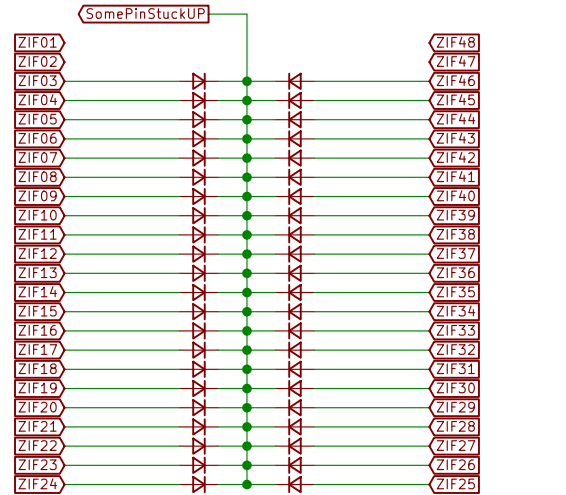
This part of the schematic is only responsible to apply '0' in various way to the zif socket pins.
 -simple transistor
 -transistor + RC

Others pins receive the Vpp via a relay

ZIF24 usually GND have a relay to 0v



Error detection
(not clamping)



Each pin of the socket have a PCB trace near the GND to simulate a surge protector. Very easy to short circuit.

