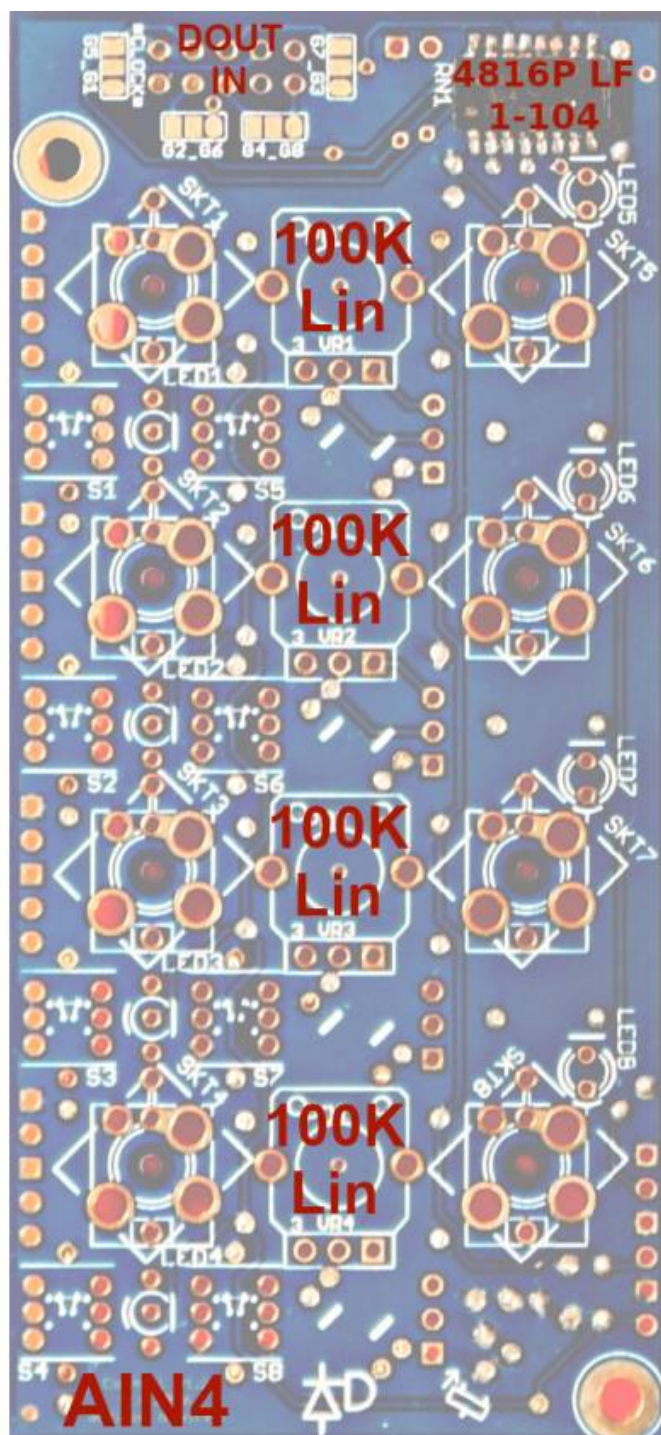
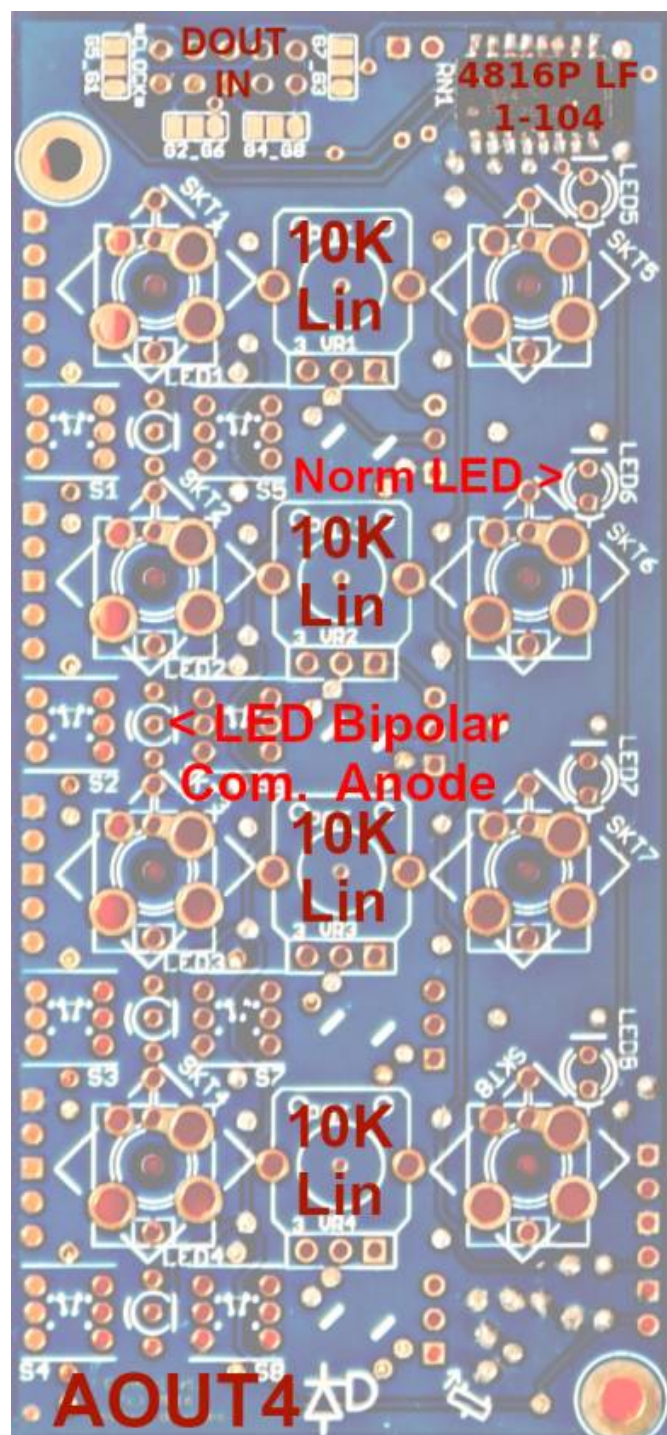


Control Panel AIN_4 & AOUT_4 v1.2

AIN4 - AOUT4 v1.2 TOP



BOM:

8x Switch better take mouser ones...

LED5-8: Normal LEDs

LED1-4: Bipolar LED common Anode

VR1-4 AOUT4: 10K Lin

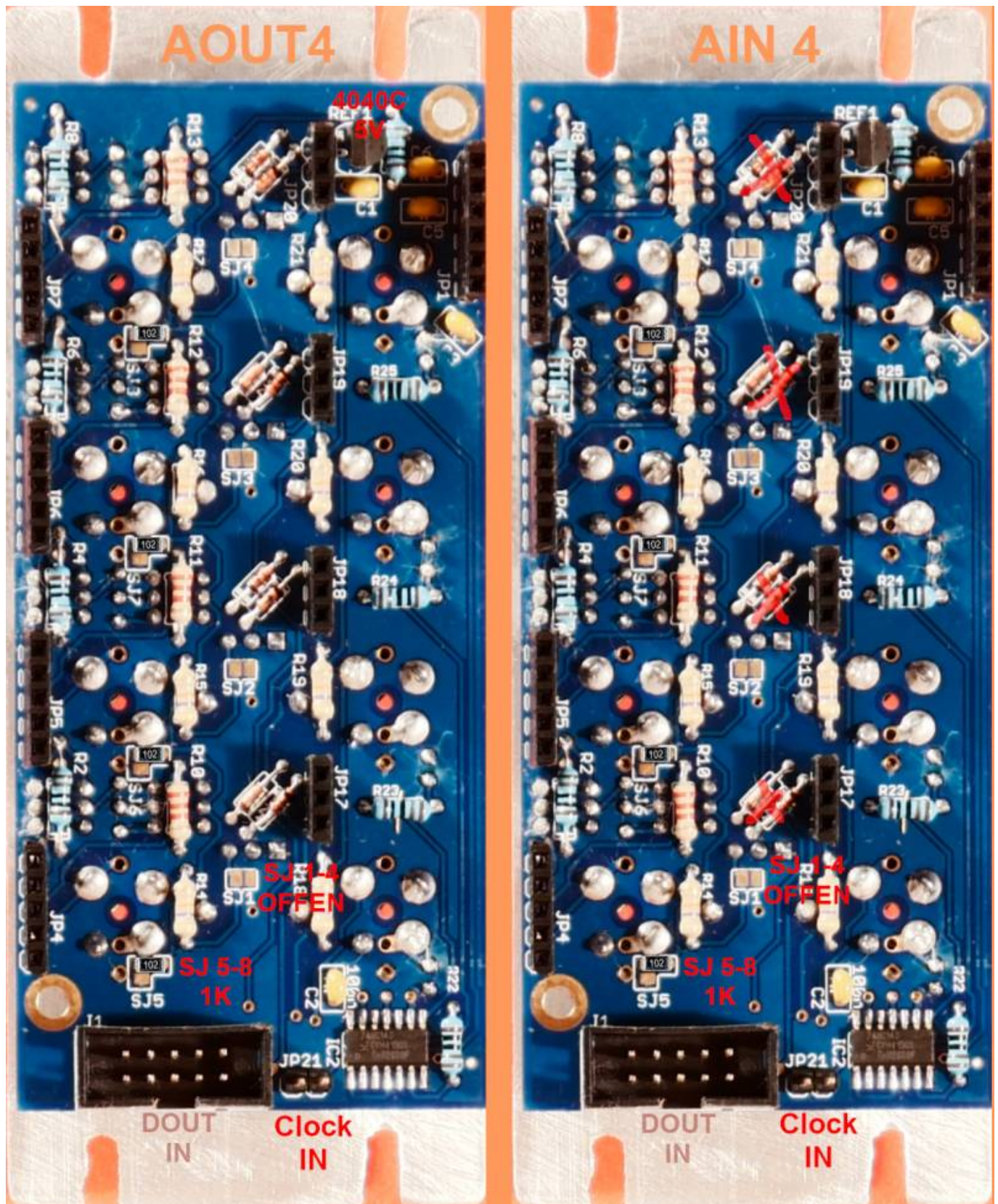
VR1-4 AIN4: 100K Lin

SKT1-4: 3,5 mono Jack

JP21: Optional Clock Input from SKT5 (then don't set G1_G5 on the backside)

J1: Routes gate outputs from a standard DOUT pinheader to SKT 5-8 according to solder jumper pairs Gxx

AIN_4 v1.2 BACK



BOM:

RN1: 100k iso 652-4816P-1LF-100K

SJ 1-4: let them unsoldered

SJ 5-8: solder a 1K 0603 SMD Resistor from the Round PAD to GROUND- to avoid Floating

Diodes: 1N4148 > only Stuff in AOUT4 Usecases

IC2: 74LV14H (SOIC14)

C2: 100nF Kerko

The Rest: cant remember...Resistors and Caps...

about G5_G1, G2_G6, G4_G8, G7_G3:

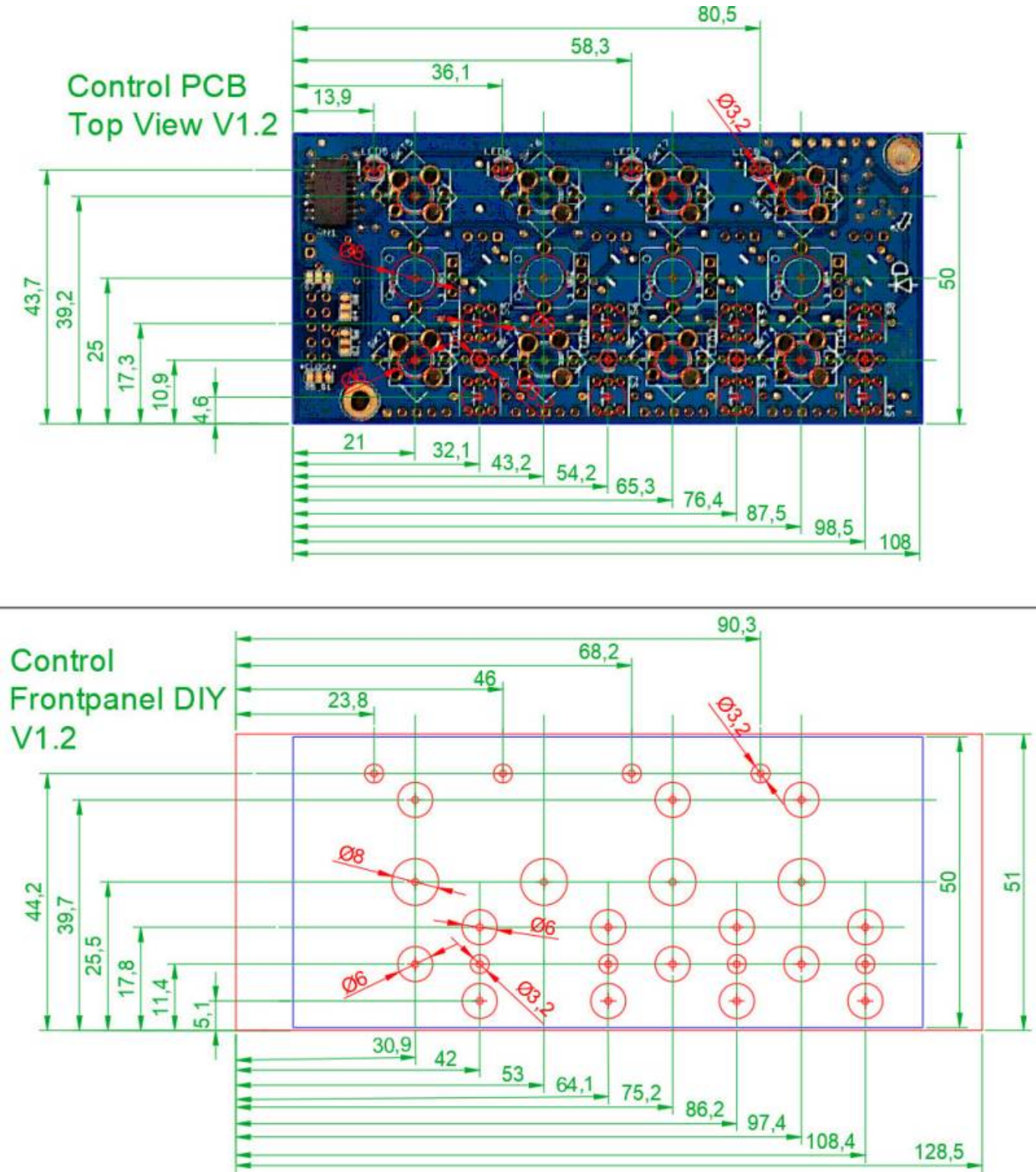
J1 you connect to a DOUTx4 output, which deliver 8 DOUTs on 1 shroudet header

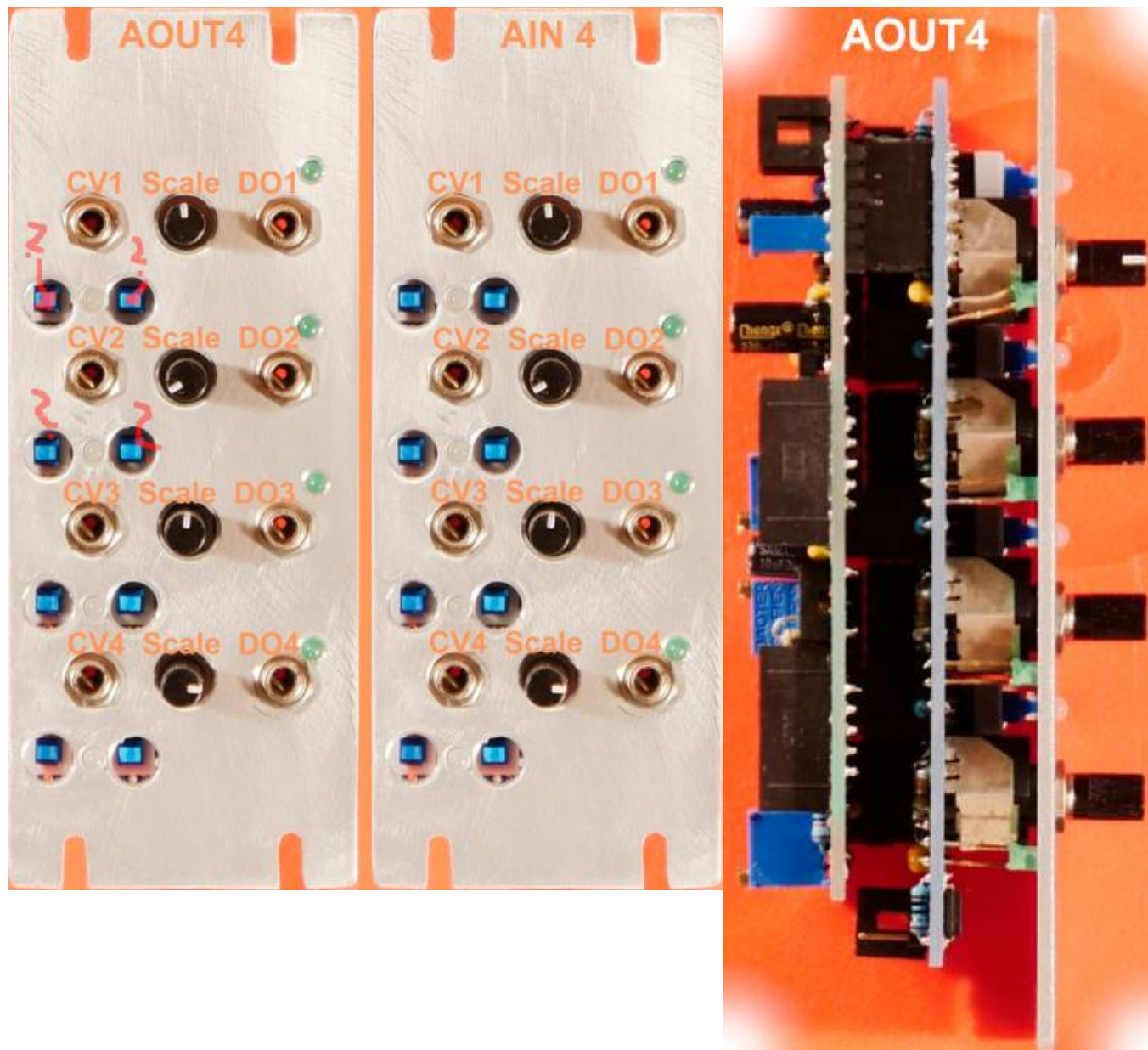
But we only use 4 DOUTs on the Controlboards... with this jumpers you decide which one!

IF you use a CLOCK coming from J21, then dont set G1_G5!

Front-Panel for AIN_4 v1.2

i measeured the PCB, and made a drawing in order to create a hand-drilled Frontpanel... so dont take the values as 100% true...:



**LABELS:**

linke Schalter: offset (uni/bipolar)

rechte Schalter: range (+5V/+10V insgesamt)

Deswegen folgende Möglichkeiten für Ein- bzw. Ausgänge:

0 bis +2,5V

0 bis +5V

-2,5 bis +2,5V

-5 bis +5V

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