

ACHTUNG: Single-Gauge vs Double-Gauge

KK noch berechnen

IC6 7815TV

ohne KK

B1 DBL205G

TR1

2x18V, 24VA

IC5

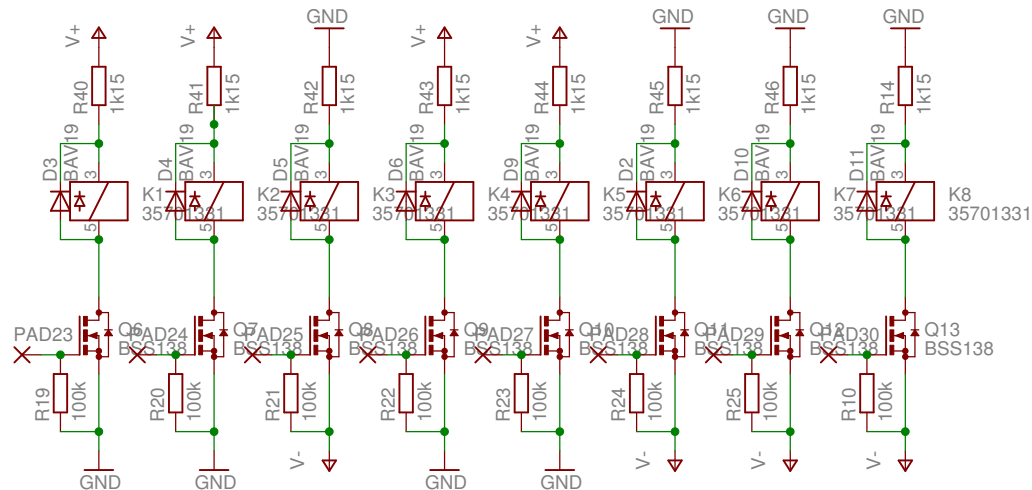
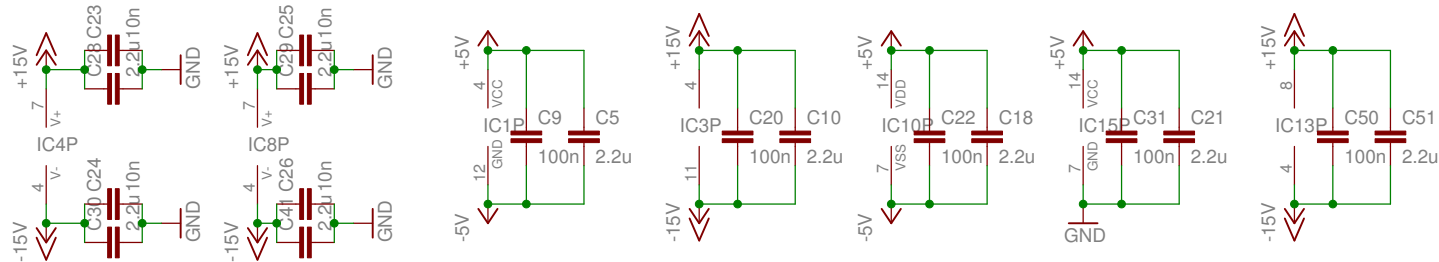
KK noch berechnen

IC11 7805TV

KK noch berechnen

IC12

KK noch berechnen



$$U_{max} = 18V \cdot \sqrt{2} \cdot 1.1 \cdot 1.2 - 1.4V = 32.1V$$

$$U_{min} = 18V \cdot \sqrt{2} \cdot 0.9 - 1.4V - 2V = 19.5V$$

1,1 ... Netzüberspannung

0,9 ... Netzunterspannung

1,2 ... Trafo-Faktor-Leerlaufspannung

1,4V ... Gleichrichter

2V ... Voltage-Drop Eingangskondensator (500mA + 2200uF)

$$R_{min} = 19.5V/9mA = 2166$$

$$R_{max} = 32.1/15mA = 2140$$

$$R_{Relais} = 1k \rightarrow R_v = 1k15$$

Stromverbrauch:

max 30mA V+ -> GND

max 30mA GND -> V-

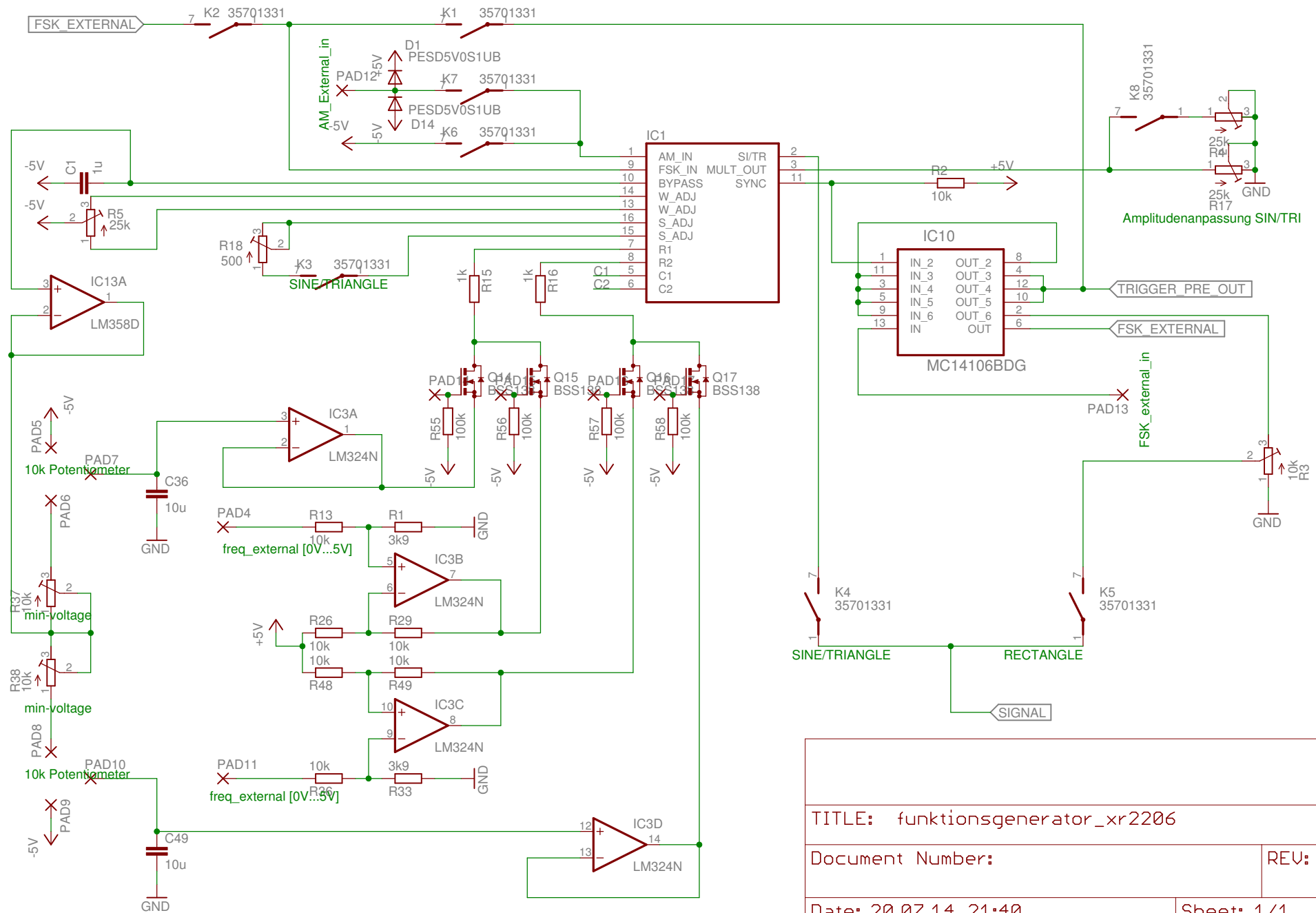
TITLE: funktionsgenerator\_xr2206

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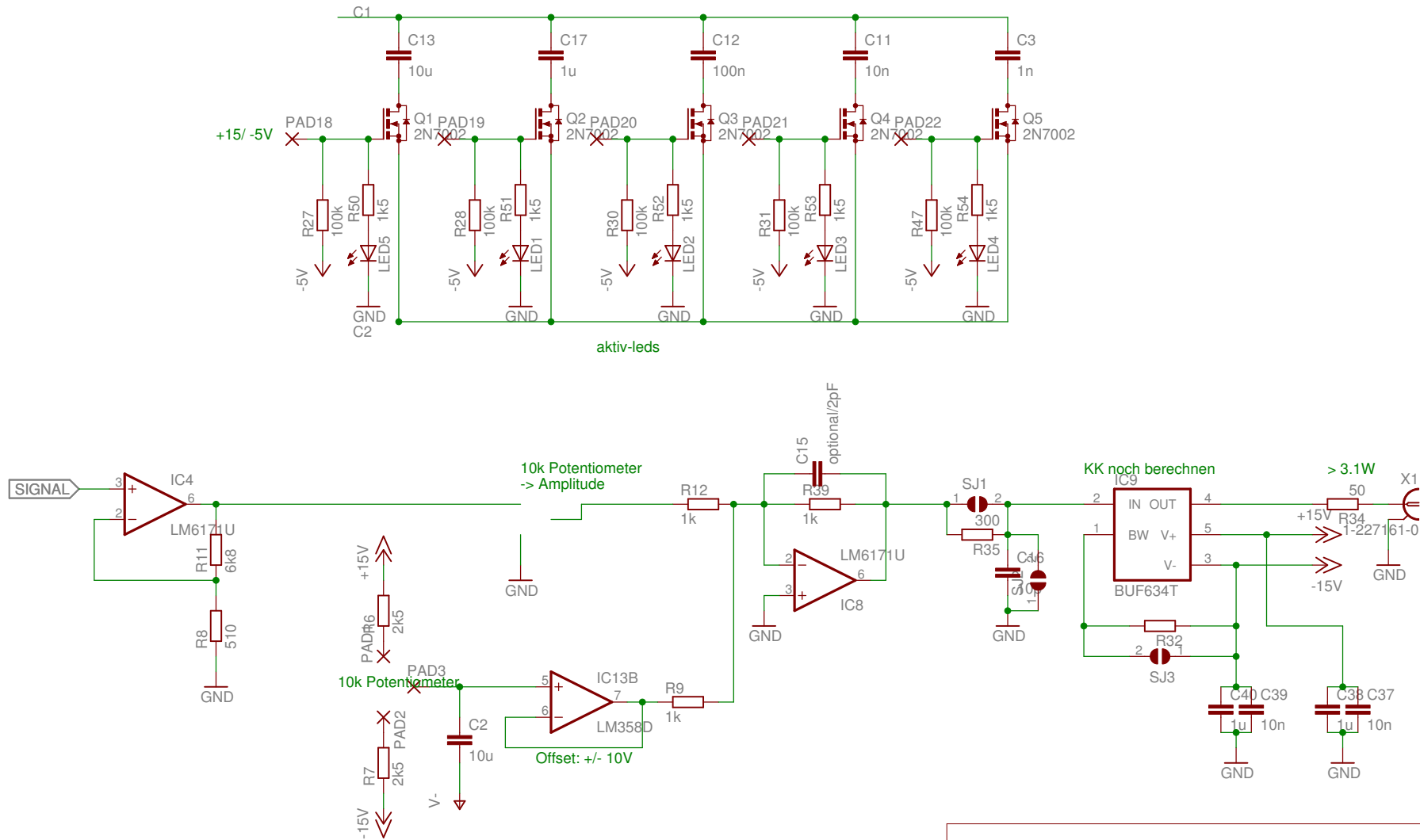
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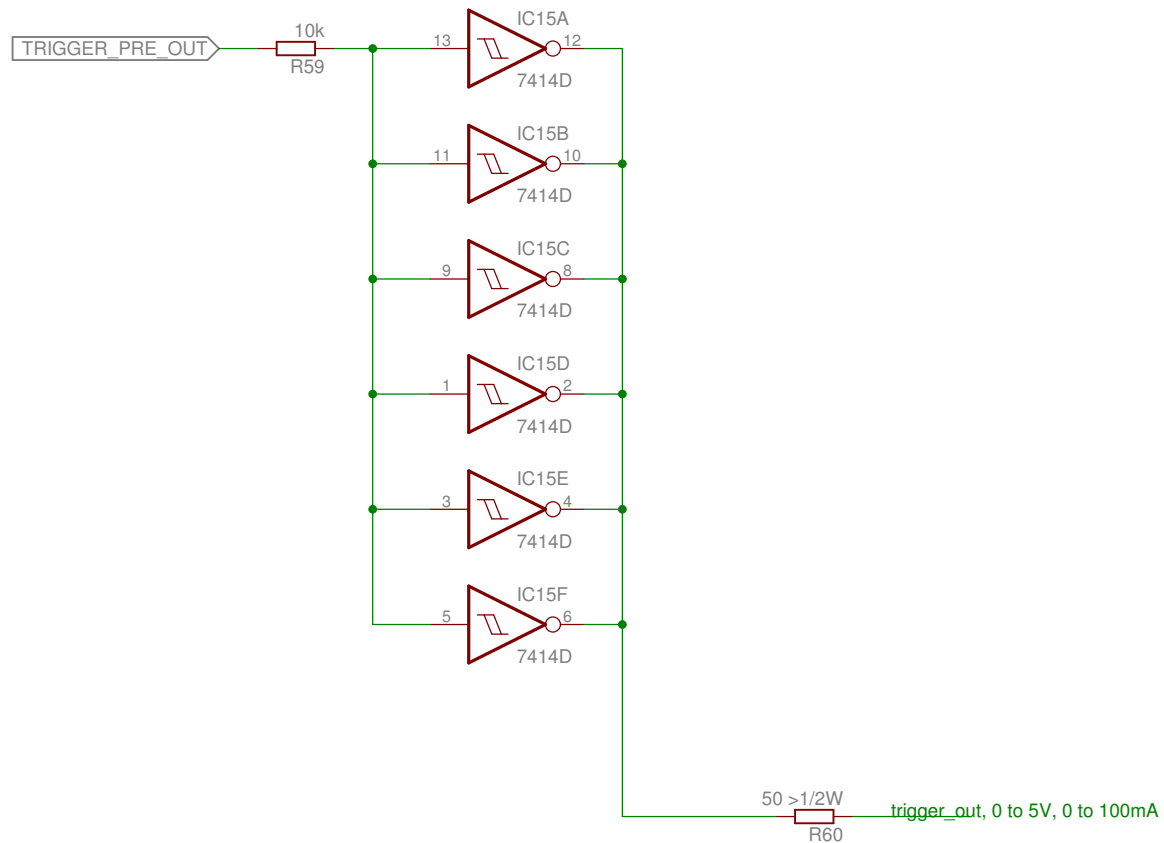
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FSK\_input\_impedance < 10k  
clamping-dioden @ special inputs

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