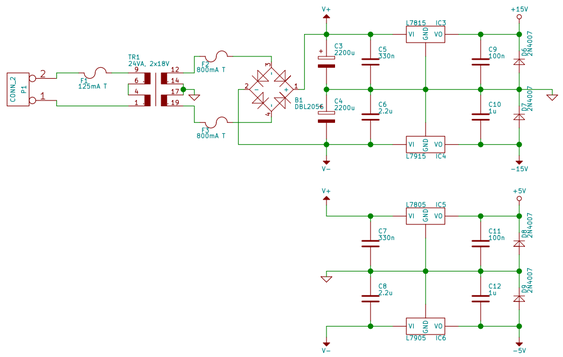
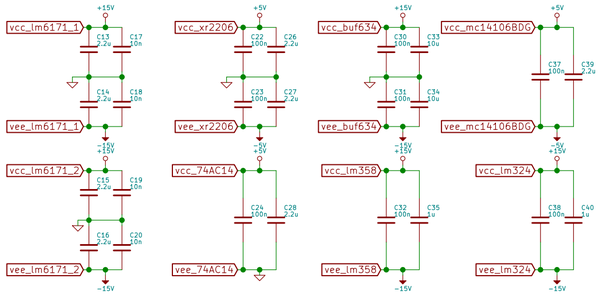
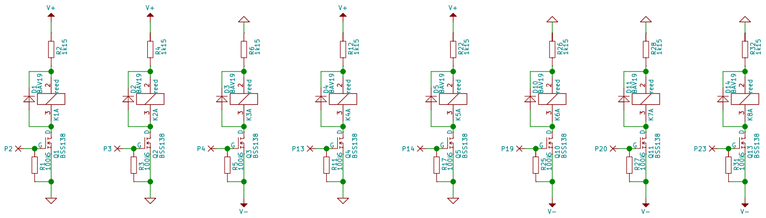


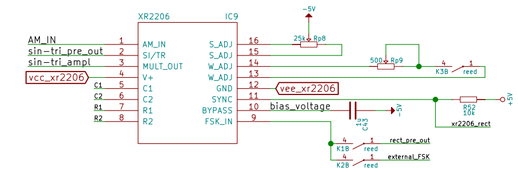


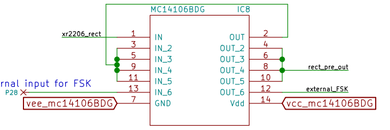


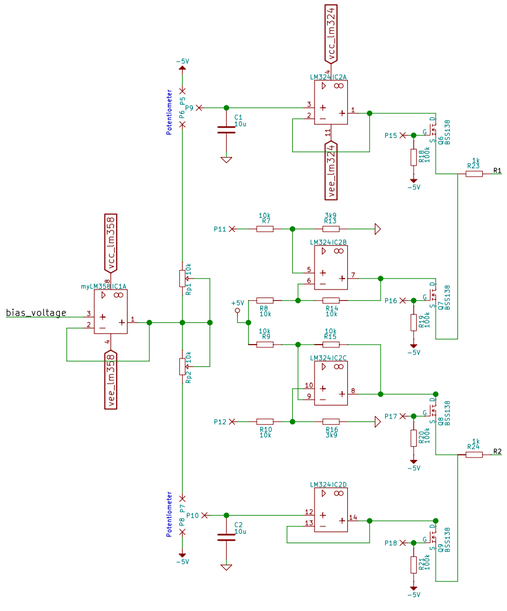
Umax = 18V * sqrt(2) * 1.1 * 1.2 - 1.4V = 32.1V
Umin = 18V * sqrt(2) * 0.9 - 1.4V - 2V = 19.5V
1.1 ... Netzüberspannung
0.9 ... Netzunterspannung
1.2 ... Trafo-Faktor-Leerlaufspannung
1.4V ... Gleichrichter
2V ... Voltage-Drop Eingangskondensator (500mA + 2200uF)

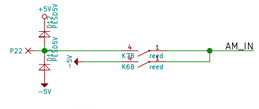
Rmin = 19.5V/9mA = 2166
Rmax = 32.1/15mA = 2140
R_Relais = 1k --> R_v = 1k15

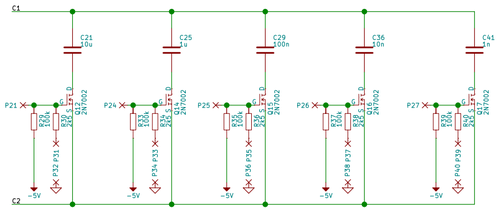
Stromverbrauch:
max 30mA V+ -> GND
max 30mA GND -> V-

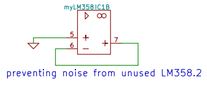




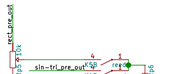


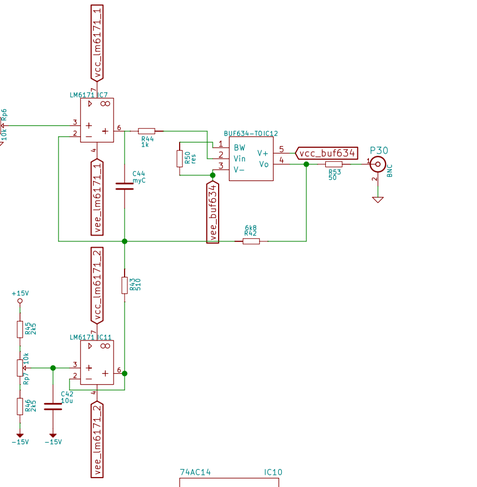


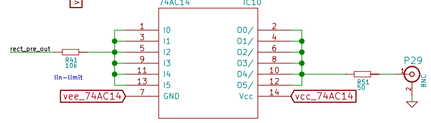




1V needed here!!!







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