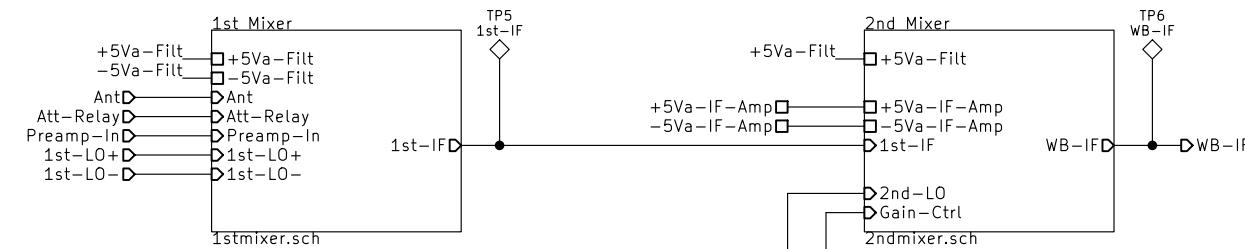


A



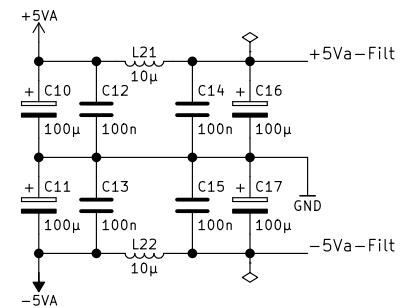
B

2nd-LO

Gain-Ctrl

## Power Supply Filtering for First Mixer and LNA

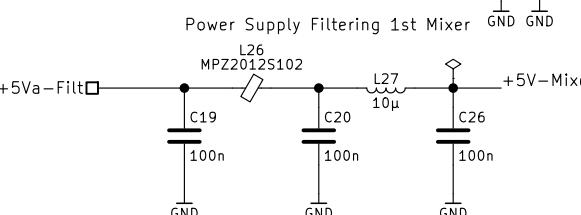
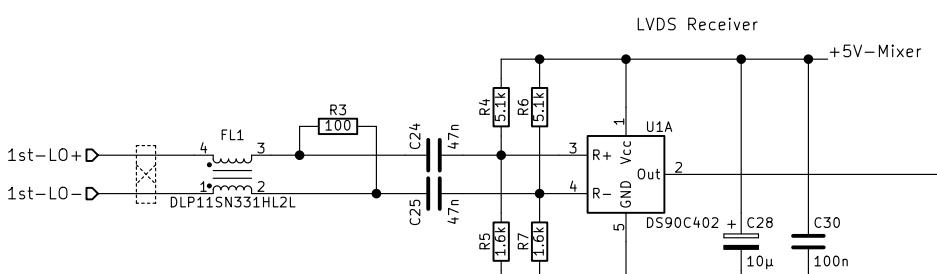
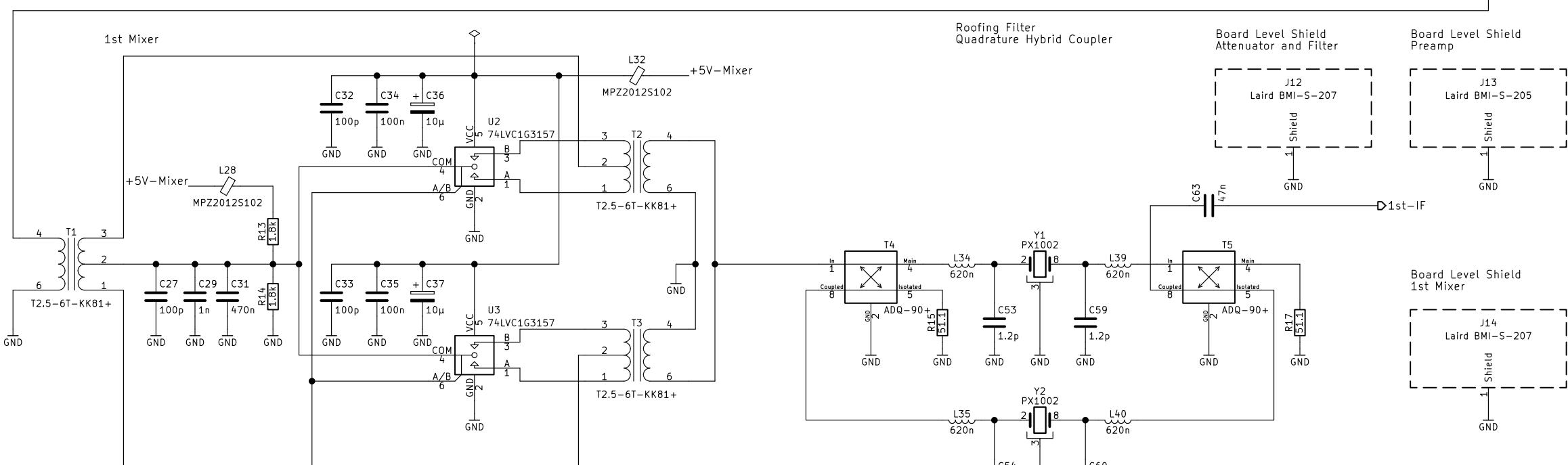
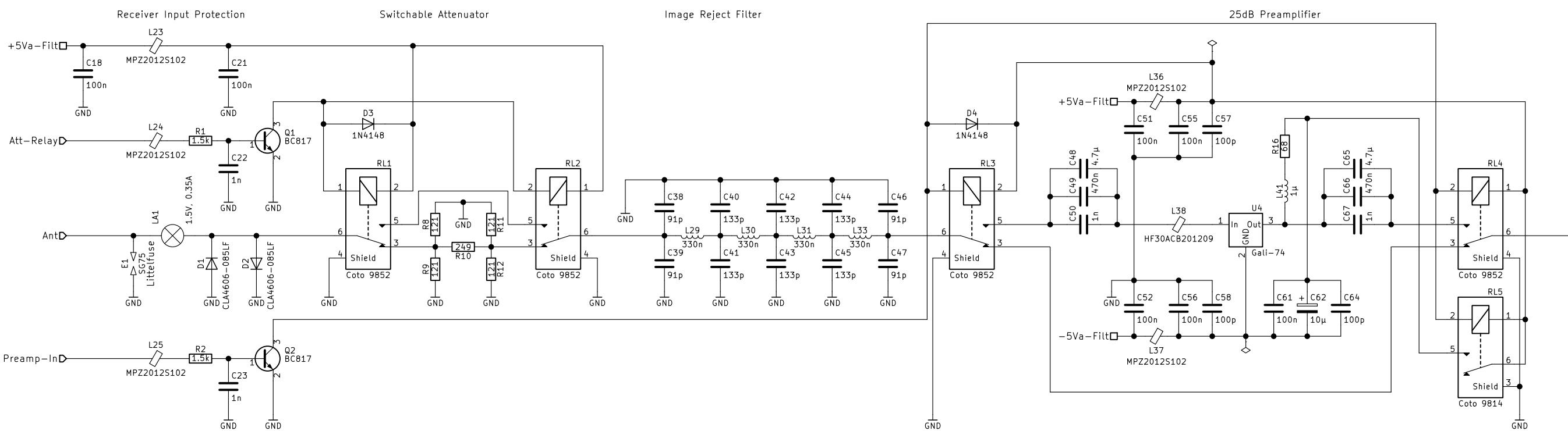
C



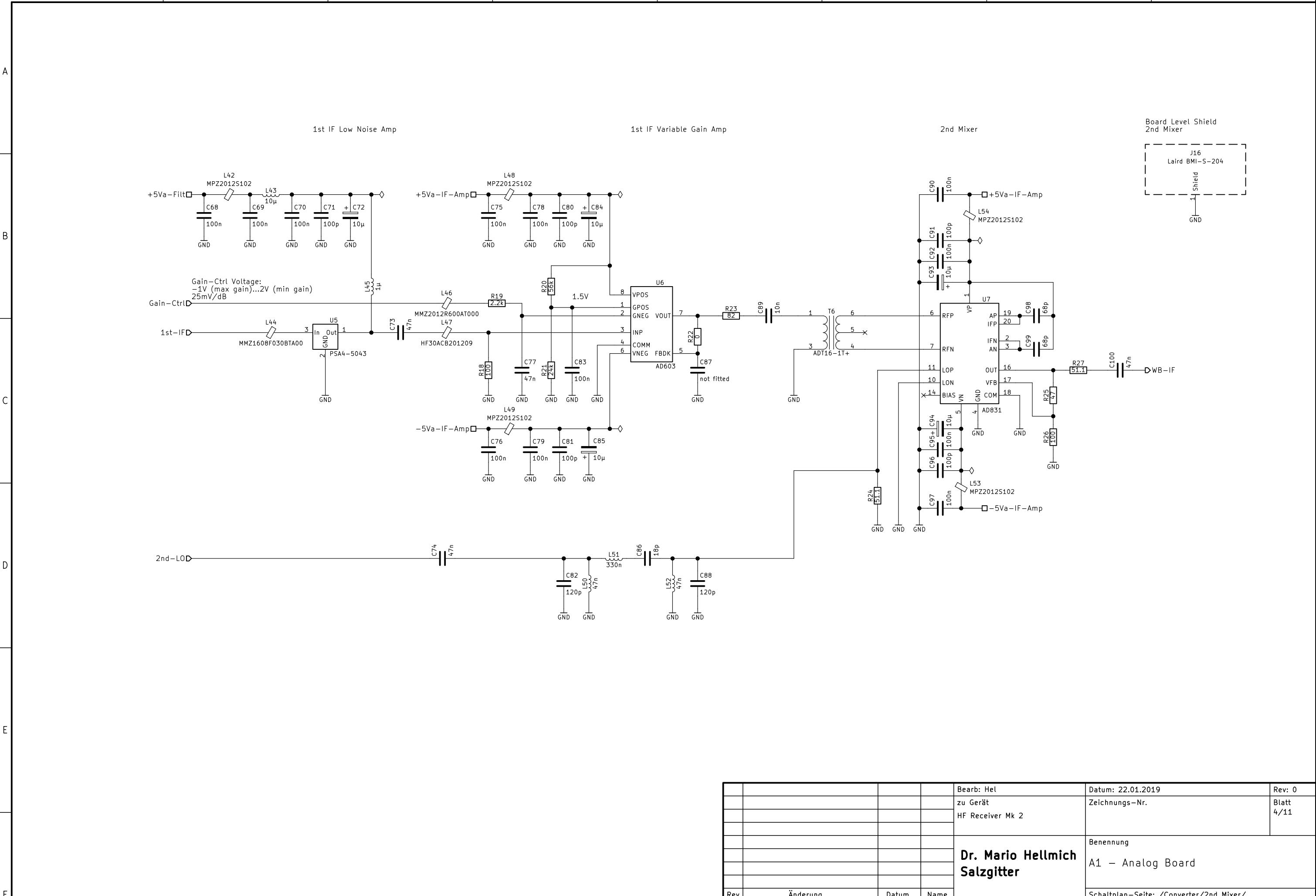
D

E

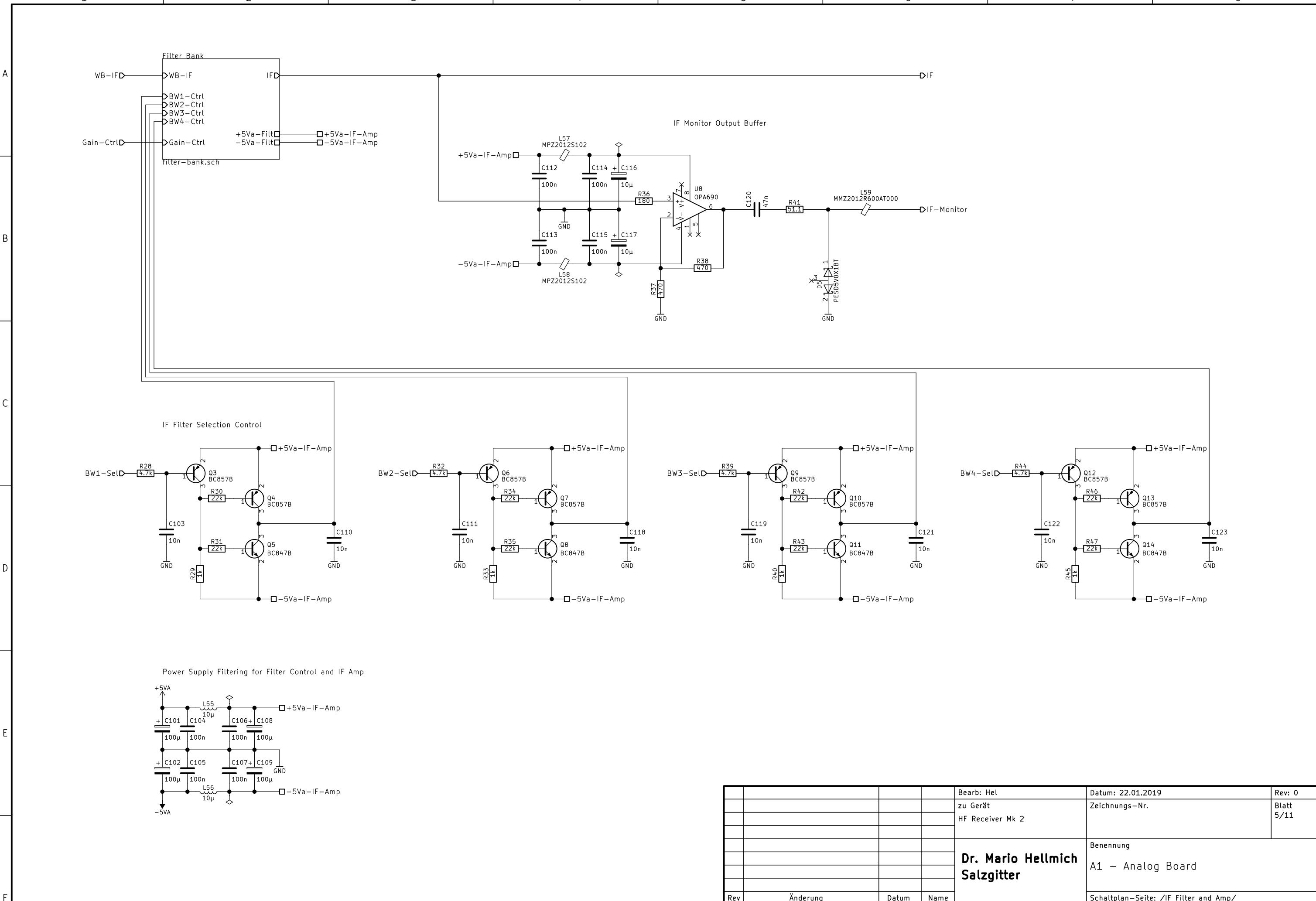
1 2 3 4 5 6 7 8



		Bearb: Hel zu Gerät HF Receiver Mk 2	Datum: 22.01.2019 Zeichnungs-Nr.	Rev: 0 Blatt 3/11
		Dr. Mario Hellmich Salzgitter	Benennung A1 - Analog Board	
			Schaltplan-Seite: /Converter/1st Mixer/	

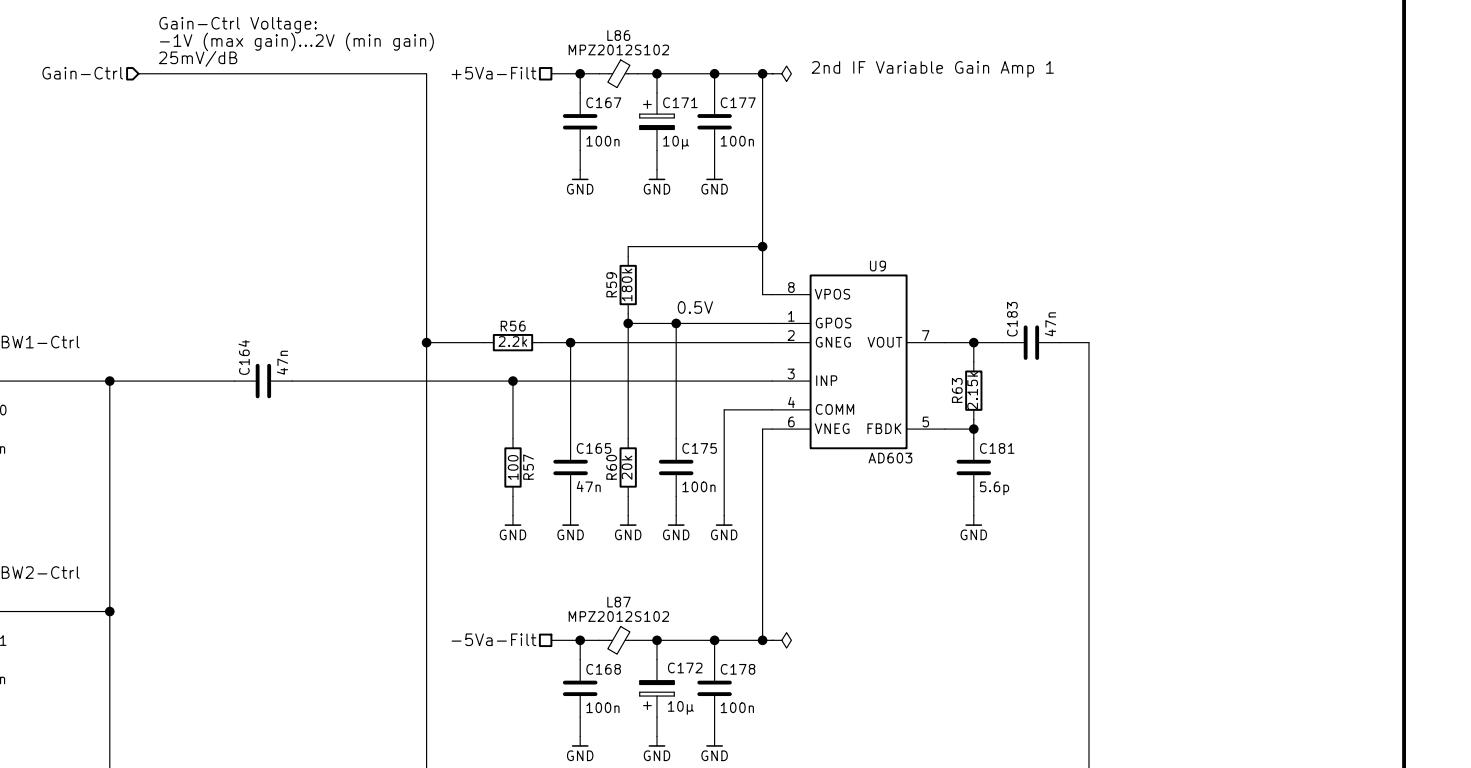


1 2 3 4 5 6 7 8

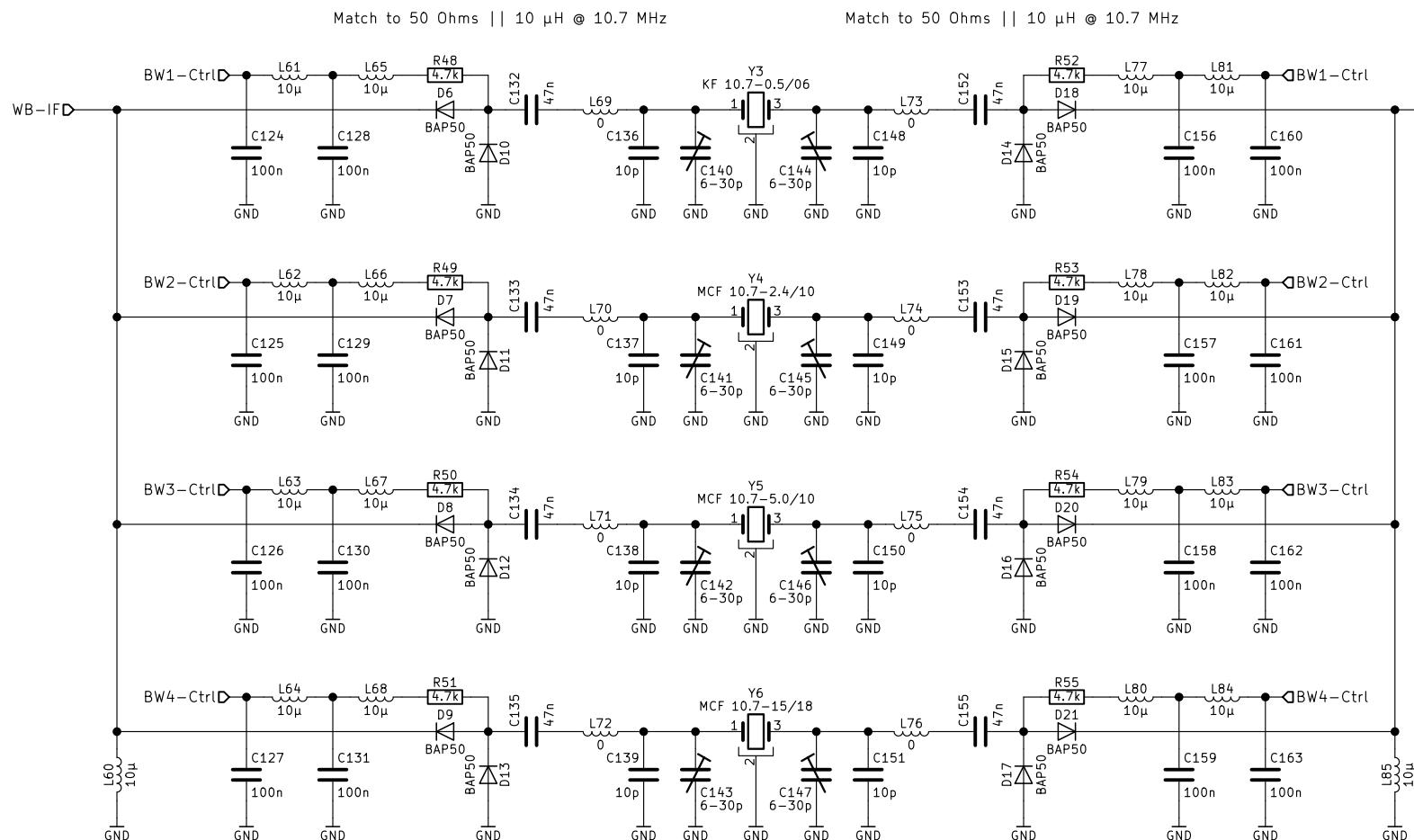


A

## IF Filter Bank

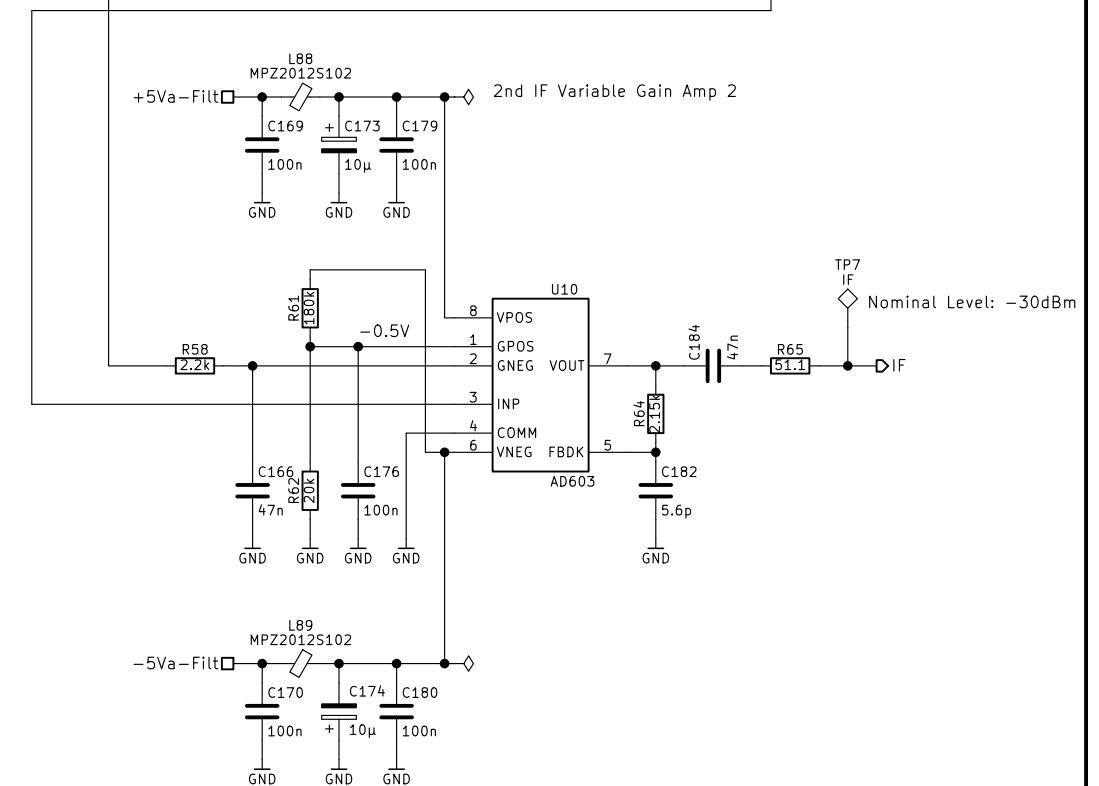
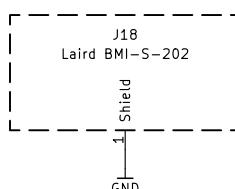
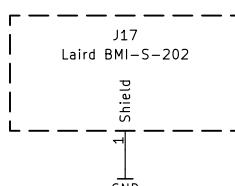


B



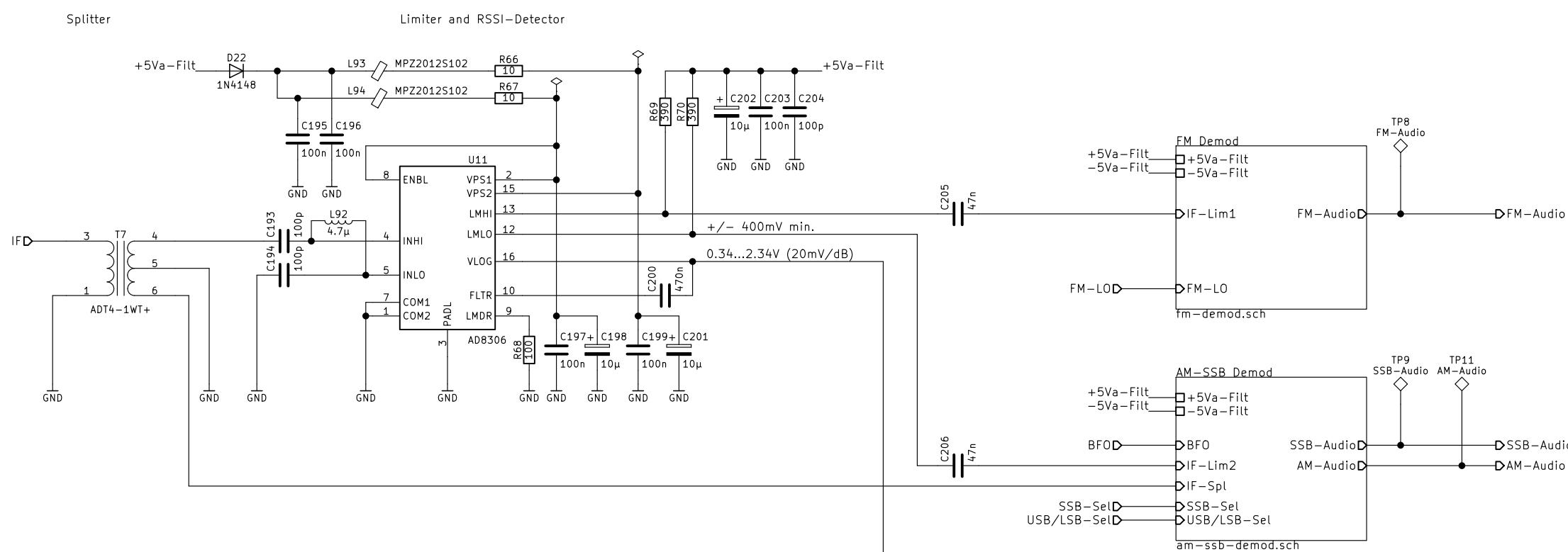
C

D

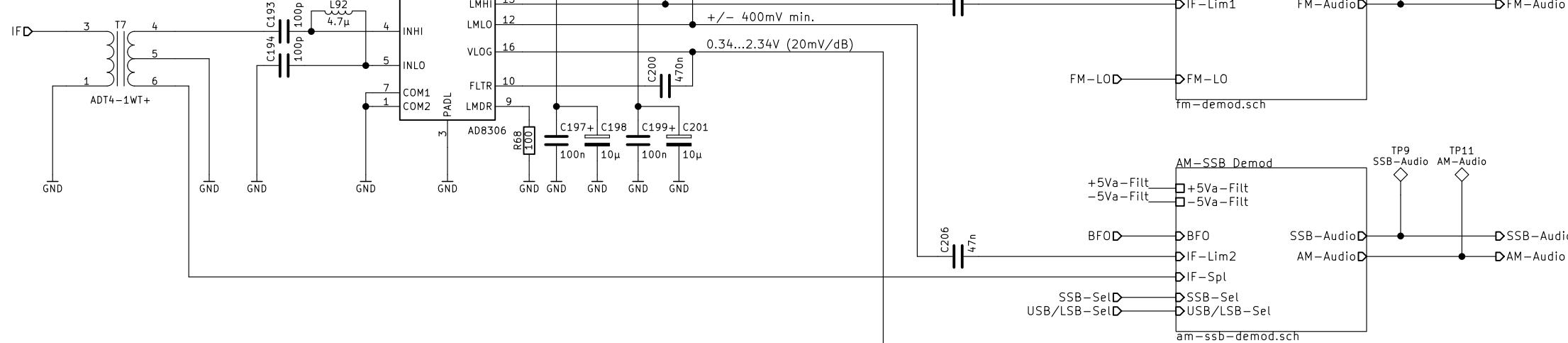
Board Level Shield  
2nd IF Amp

			Bearb: Hel	Datum: 22.01.2019	Rev: 0
			zu Gerät	Zeichnungs-Nr.	
			HF Receiver Mk 2		Blatt 6/11
			Dr. Mario Hellmich Salzgitter	Benennung	
				A1 - Analog Board	
				Schaltplan-Seite: /IF Filter and Amp/Filter Bank/	
Rev	Änderung	Datum	Name		

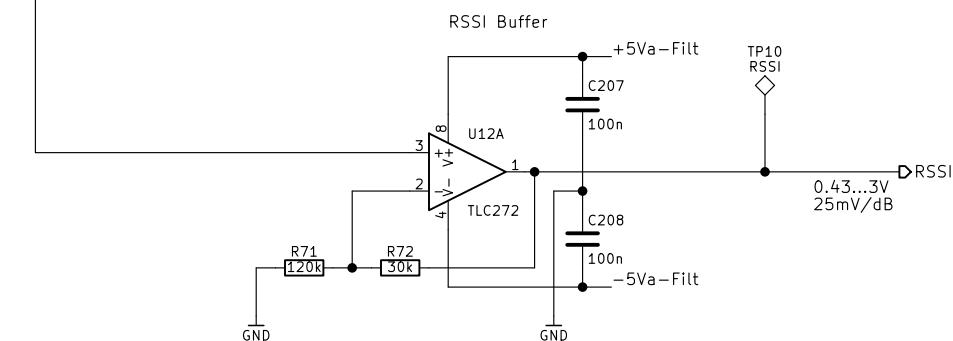
A



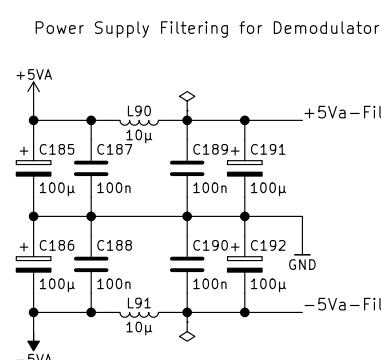
B



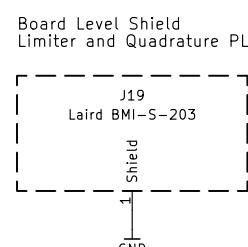
C



D



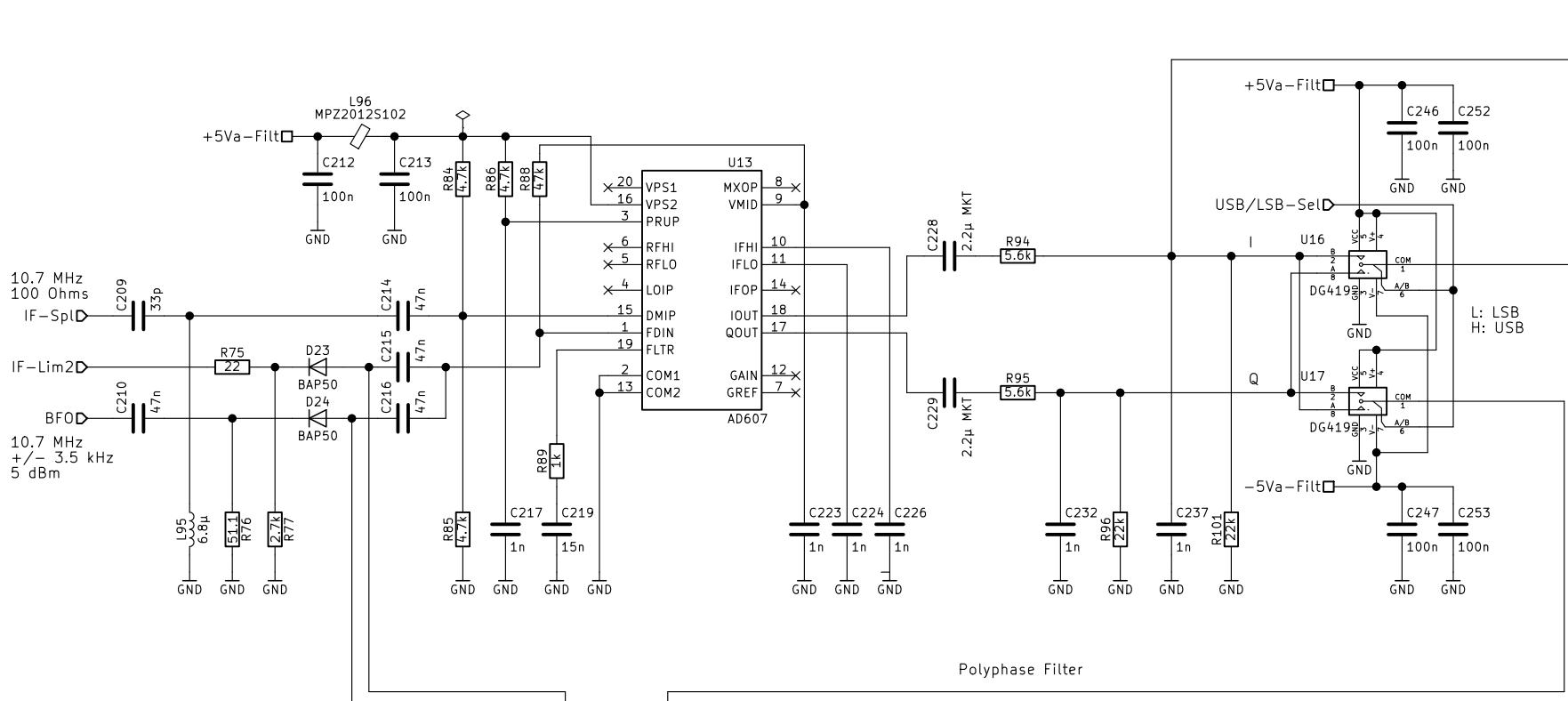
E



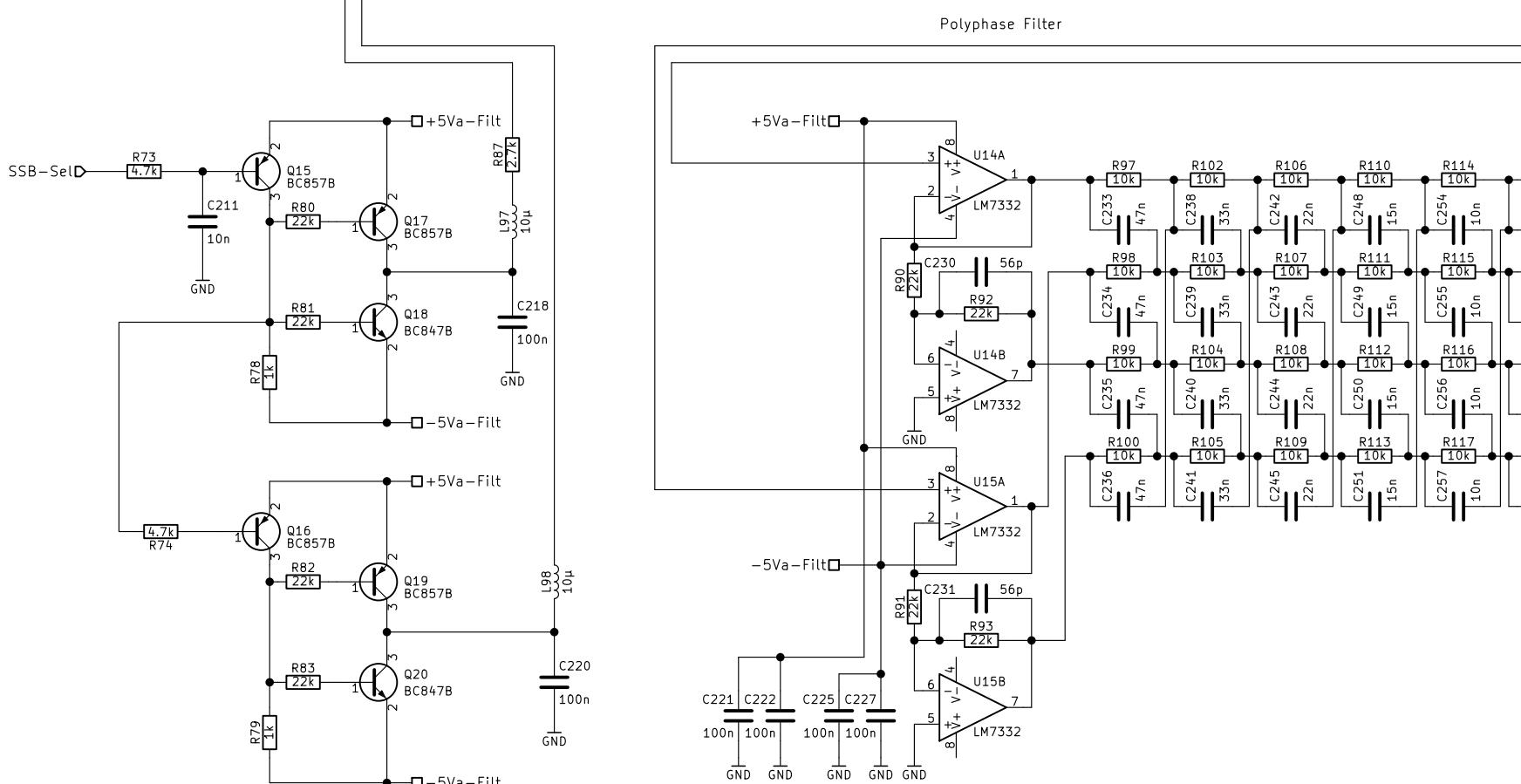
F

			Bearb: Hel	Datum: 22.01.2019	Rev: 0
			zu Gerät	Zeichnungs-Nr.	
			HF Receiver Mk 2		Blatt 7/11
<b>Dr. Mario Hellmich Salzgitter</b>					Benennung A1 – Analog Board
					Schaltplan-Seite: /Demodulator/
Rev	Änderung	Datum	Name		

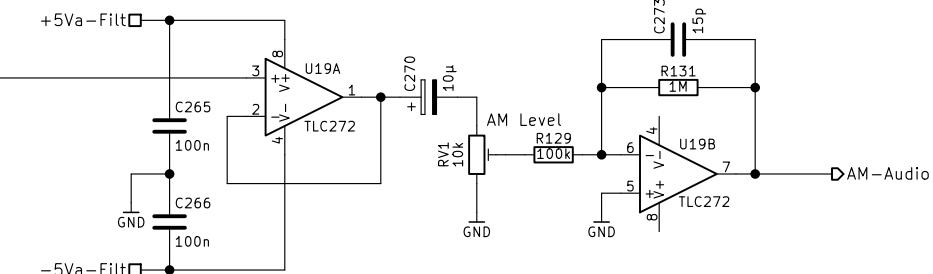
1 2 3 4 5 6 7 8

Quadrature Mixer  
and Carrier Recovery PLL

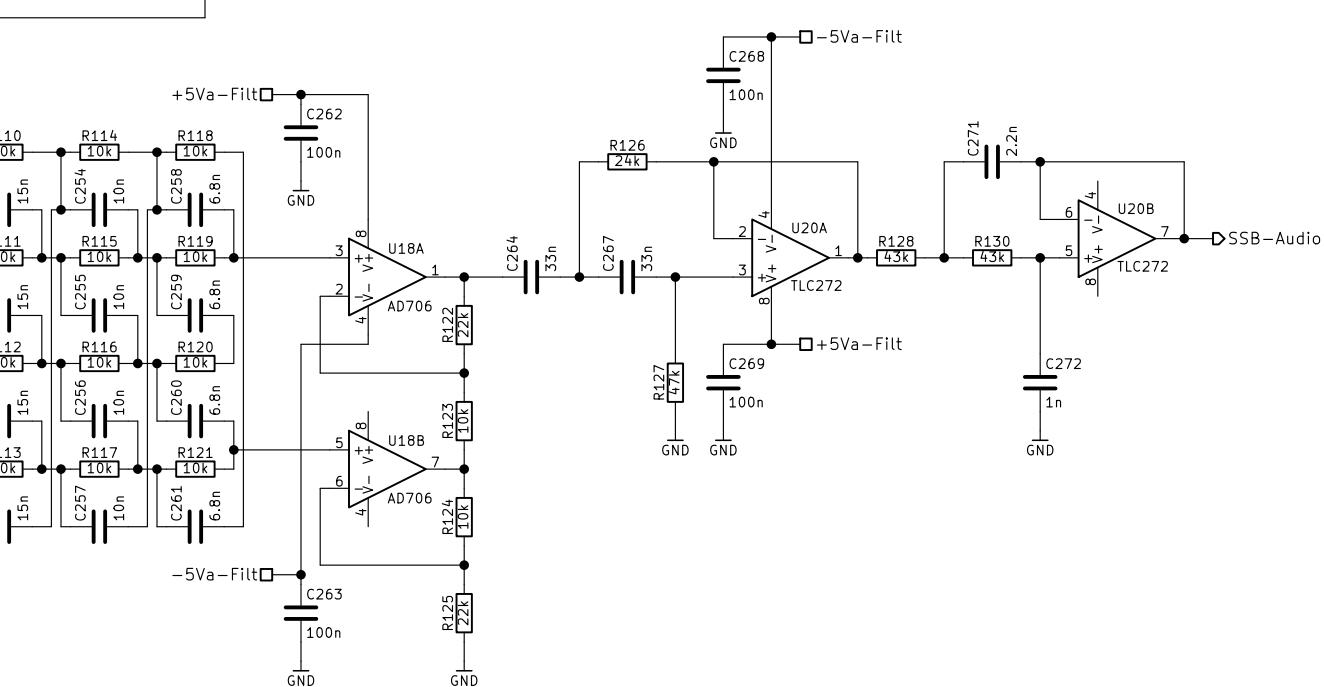
USB/LSB-Select



AM Audio



SSB Audio Filter 150Hz...2.7kHz



			Bearb: Hel	Datum: 22.01.2019	Rev: 0
			zu Gerät	Zeichnungs-Nr.	Blatt
			HF Receiver Mk 2		8/11
<b>Dr. Mario Hellmich</b>					Benennung
<b>Salzgitter</b>					A1 - Analog Board
Rev	Änderung	Datum	Name	Schaltplan-Seite: /Demodulator/AM-SSB Demod/	

A

B

C

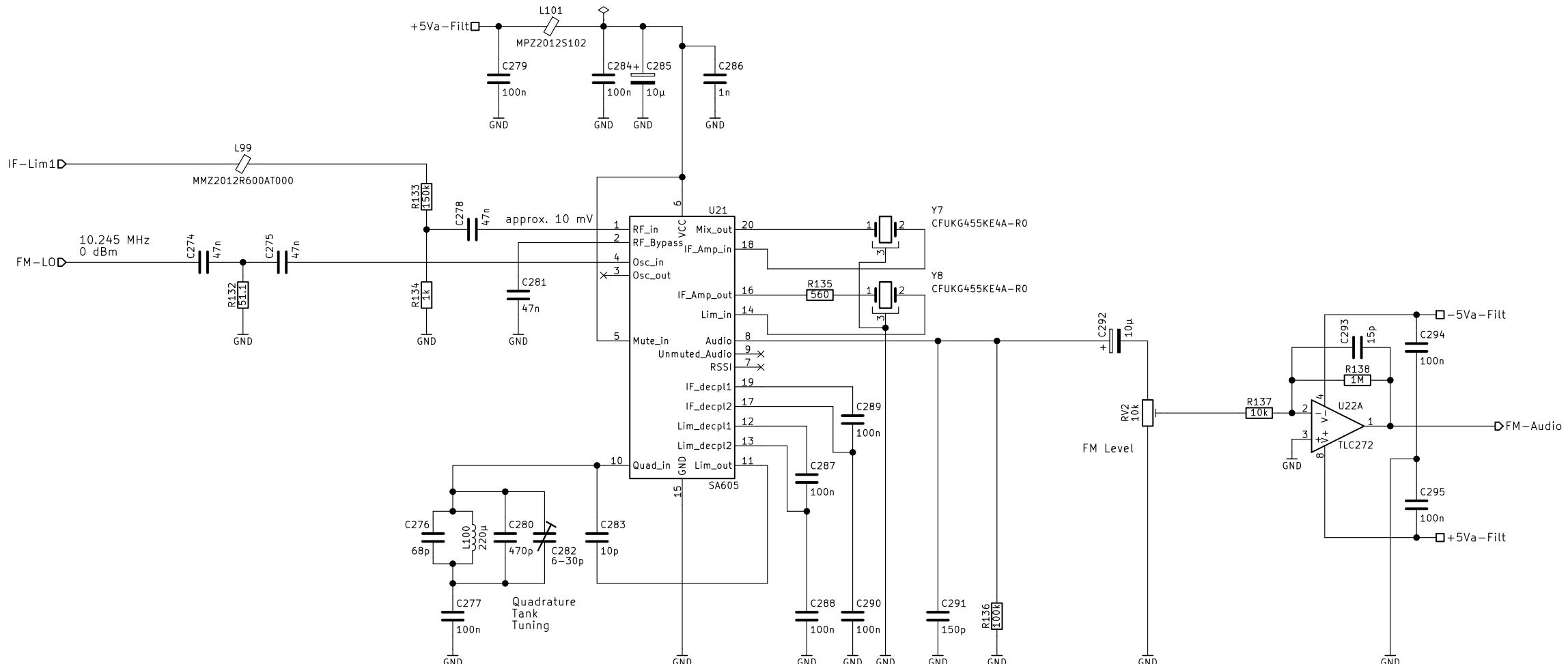
D

E

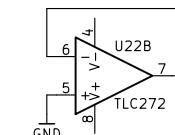
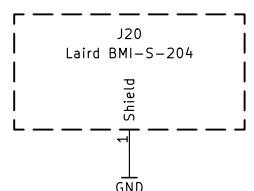
F

FM 3rd Mixer, Limiter, FM Quadrature Demodulator

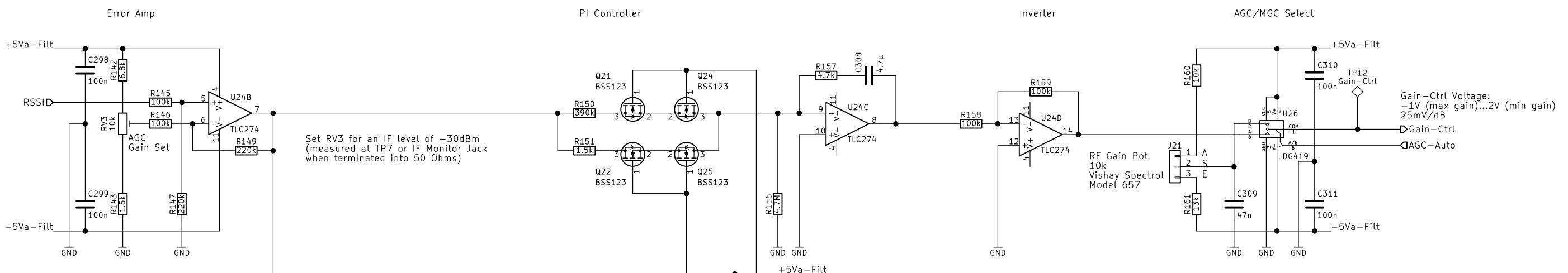
FM Audio Amp



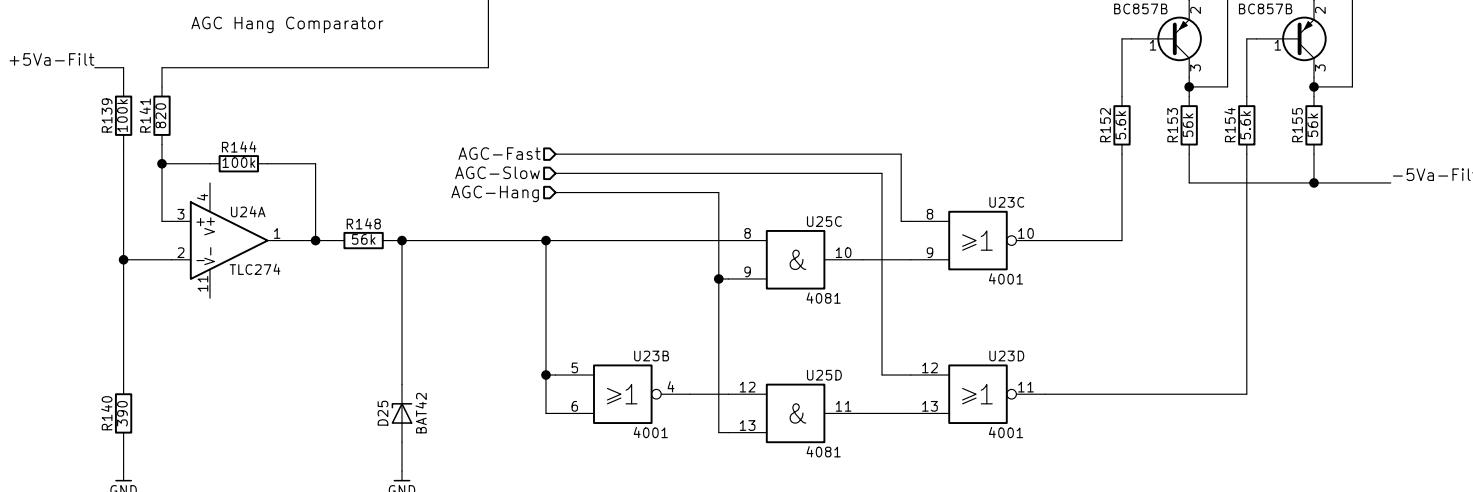
## Board Level Shield FM Demodulator



A



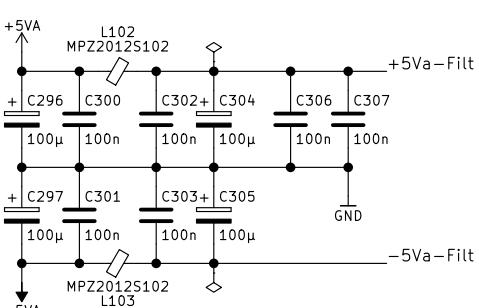
B



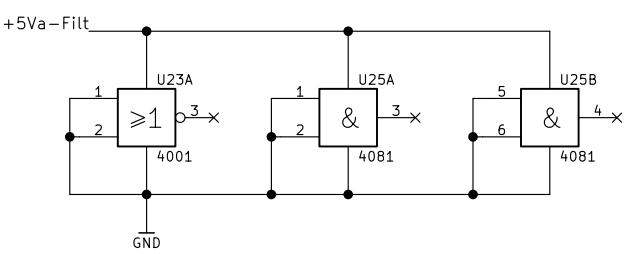
C

D

Power Supply Filtering for AGC

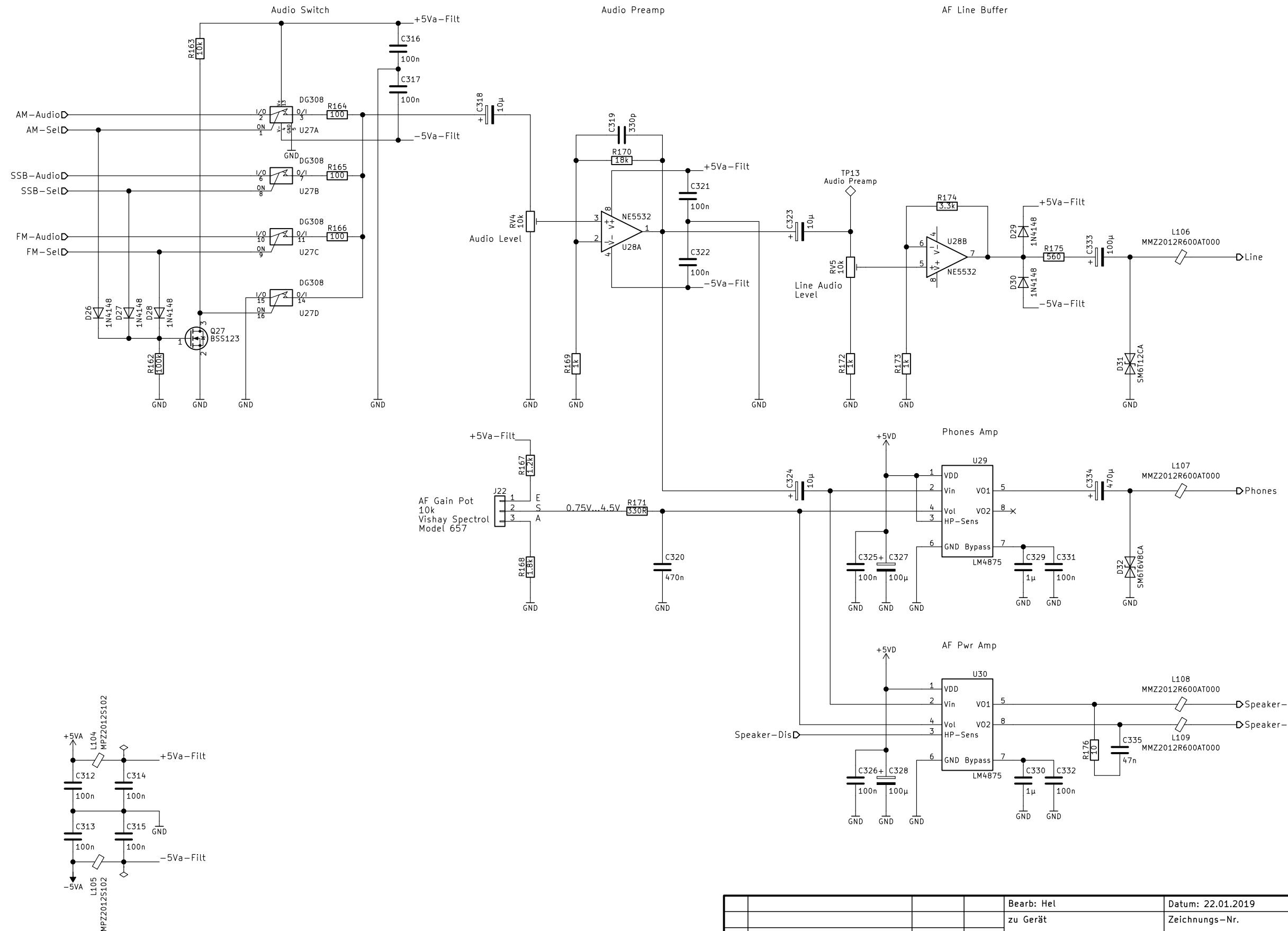


E



F

			Bearb: Hel	Datum: 22.01.2019	Rev: 0
			zu Gerät HF Receiver Mk 2	Zeichnungs-Nr.	Blatt 10/11
<b>Dr. Mario Hellmich Salzgitter</b>					Benennung
A1 – Analog Board					Schaltplan-Seite: /AGC/
Rev	Änderung	Datum	Name		



				Bearb: Hel	Datum: 22.01.2019	Rev: 0
				zu Gerät HF Receiver Mk 2	Zeichnungs-Nr.	Blatt 11/11
				<b>Dr. Mario Hellmich Salzgitter</b>	Benennung A1 – Analog Board	
					Schaltplan-Seite: /Audio/	
Rev	Änderung	Datum	Name			