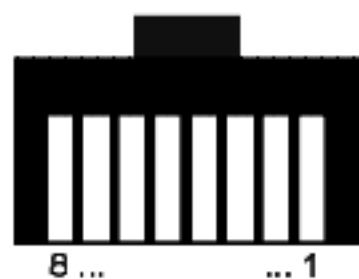


Gehäuse

MUGE3_elpro_102x61x26 elpro

RJ45 Sicht auf Buchse



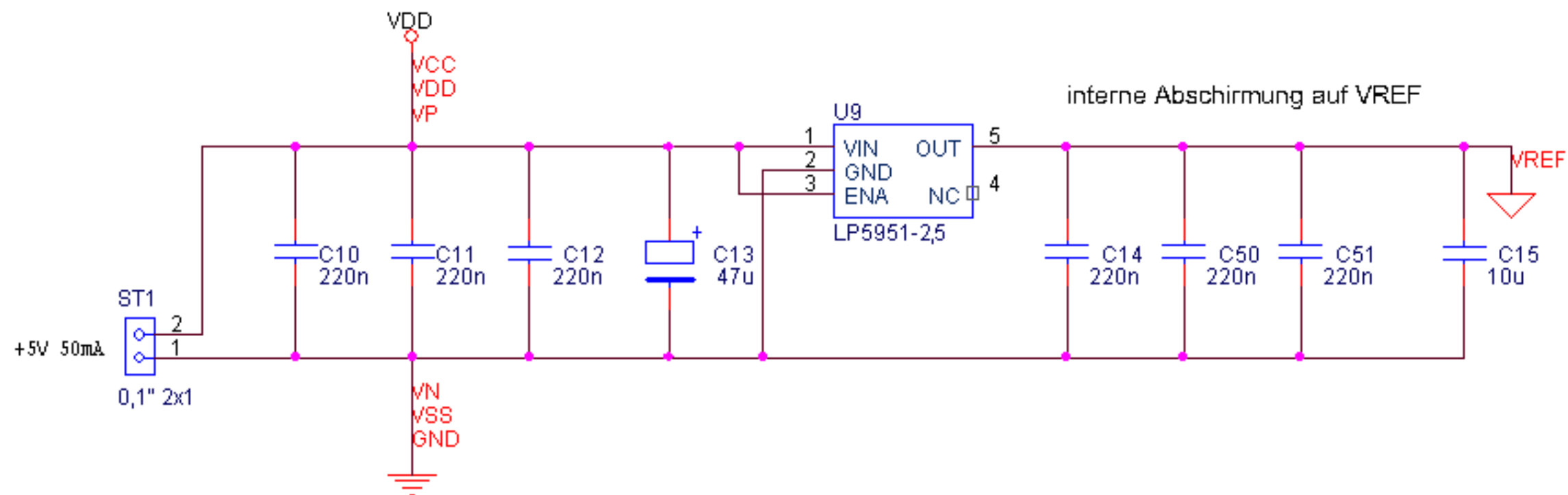
LAYERS:

#	layer	type	cupour
1	TOP	routing	GND
2	BOT	routing	VDD
3	GND	plane	GND
4	PWR	plane	VREF

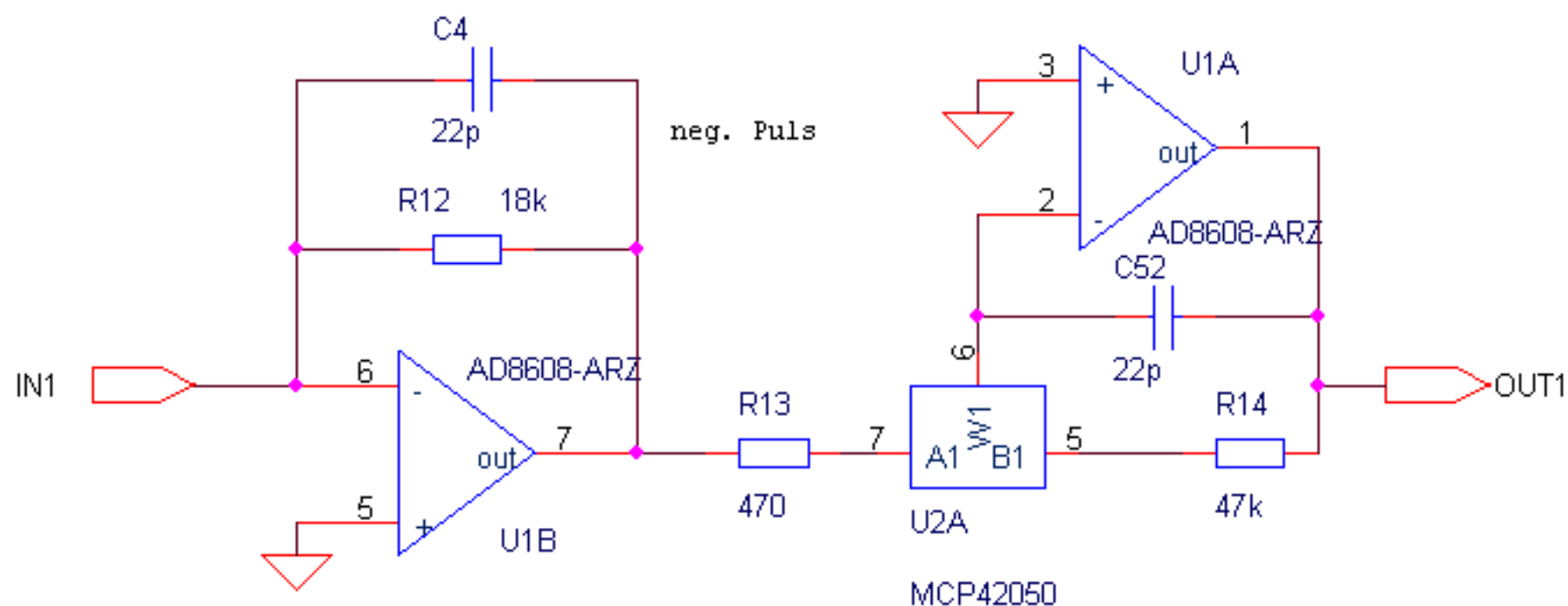
Anm.:

- Ausgangssignale sind alle auf VREF = 2,5V bezogen
- Vorsicht: VREF nicht auf GND kurzschliessen
- VREF liegt an Schraubblöchern an für evtl. Schirmung

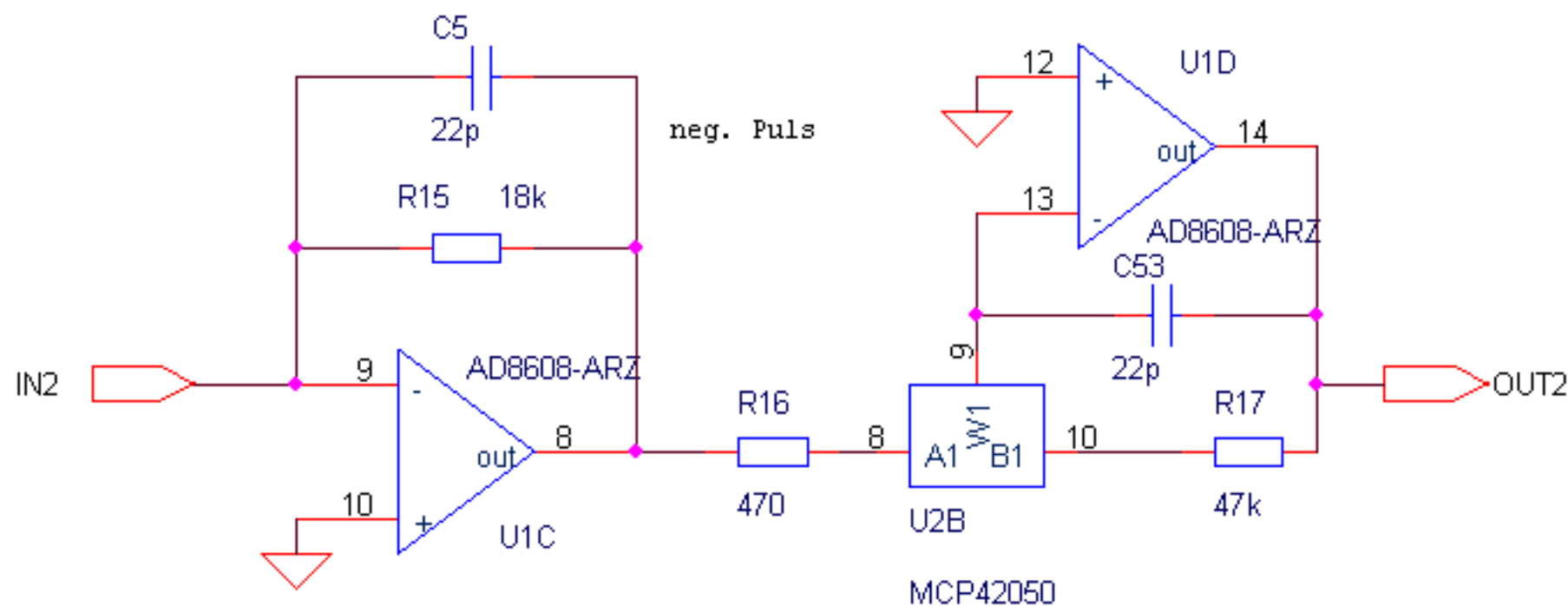
Title		
6-Kanal Photo Amplifier CHAMP6		
Size	Document Number	Rev
A	heinz@gfai.de	21
Date:	Wednesday, February 22, 2012	Sheet 1 of 6



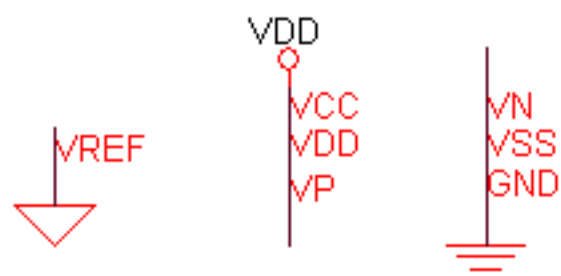
Title		
Power Supply		
Size	Document Number	Rev
A4	heinz@gfai.de	20
Date:	Wednesday, February 22, 2012	Sheet 0 of 6



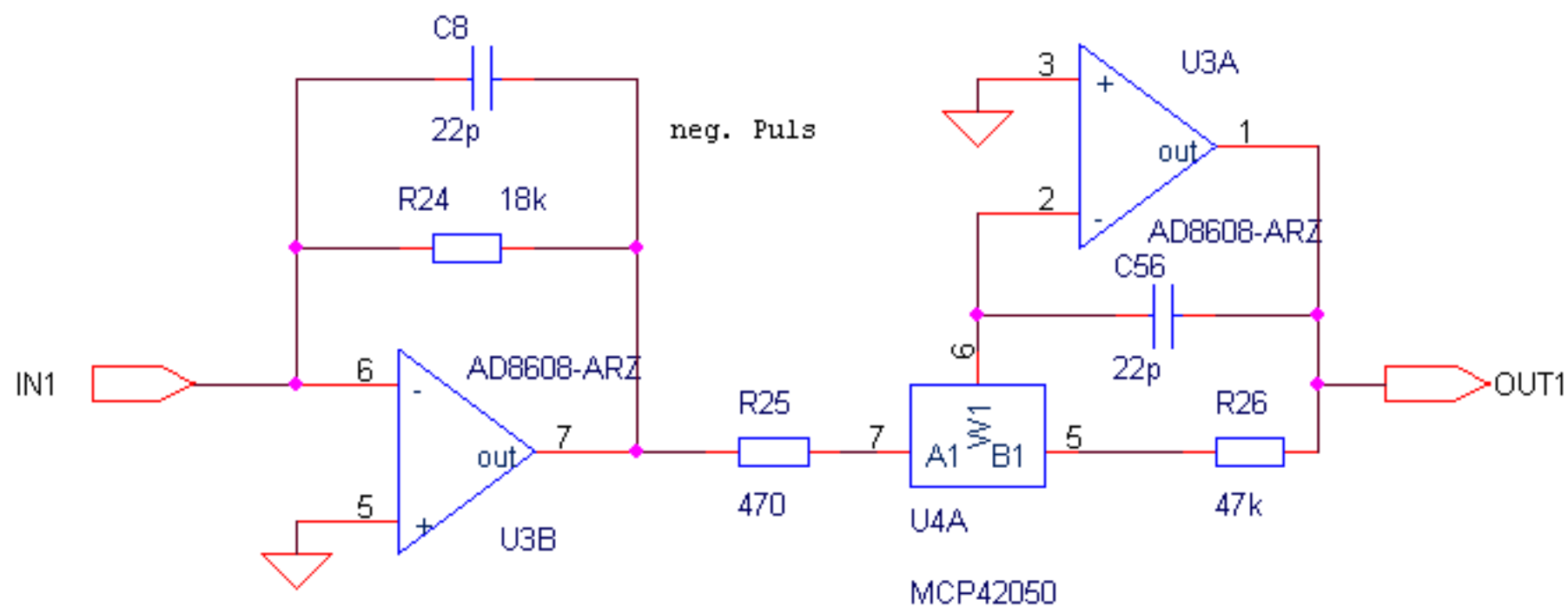
$$0,93 < |v| < 206$$



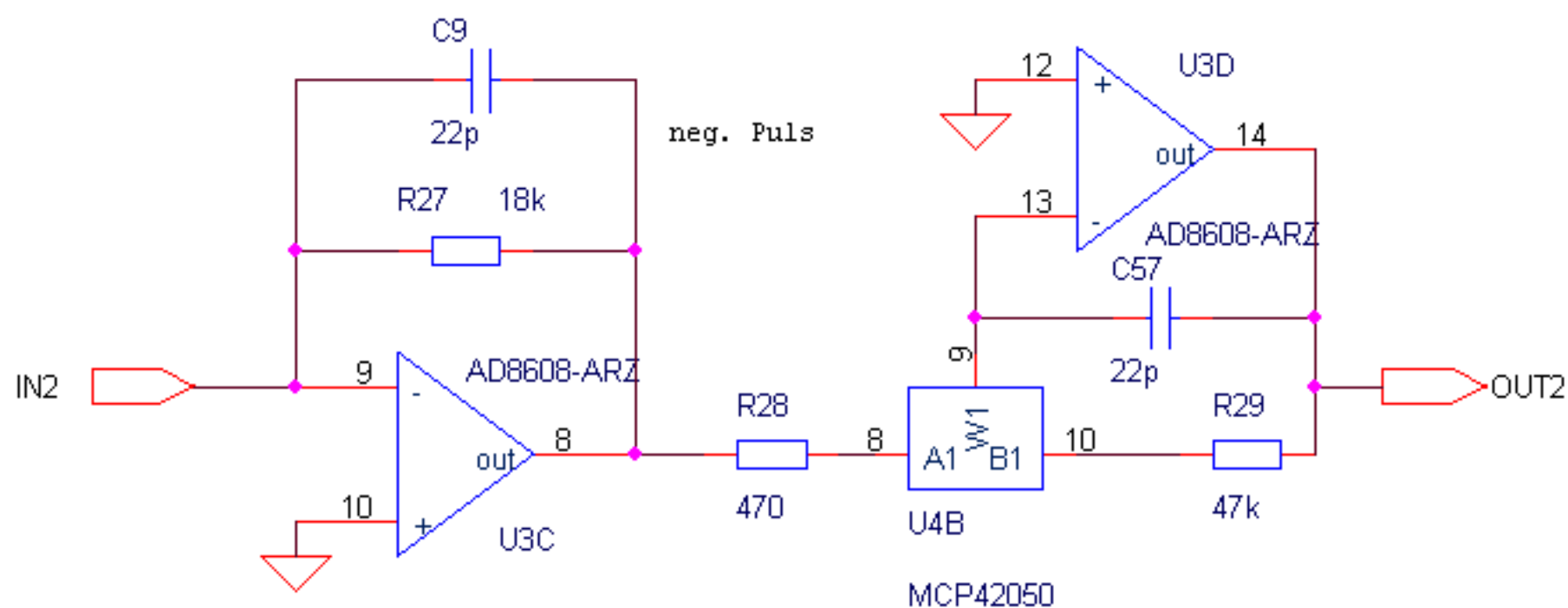
OPV: LT1679 bzw. AD8608



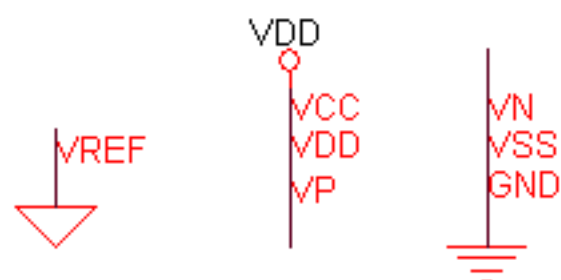
Title		
Preamp		
Size	Document Number	Rev
A	heinz@gfai.de	20
Date:	Tuesday, February 14, 2012	Sheet 1 of 6



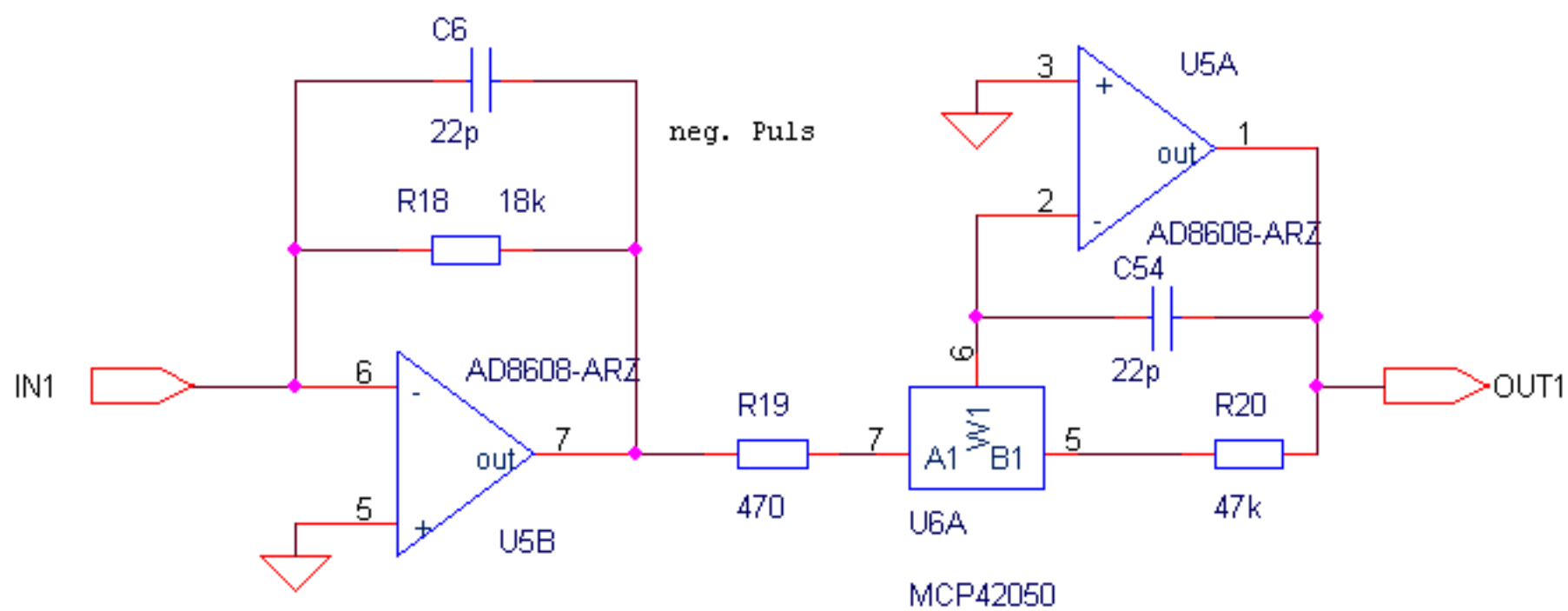
$$0,93 < |v| < 206$$



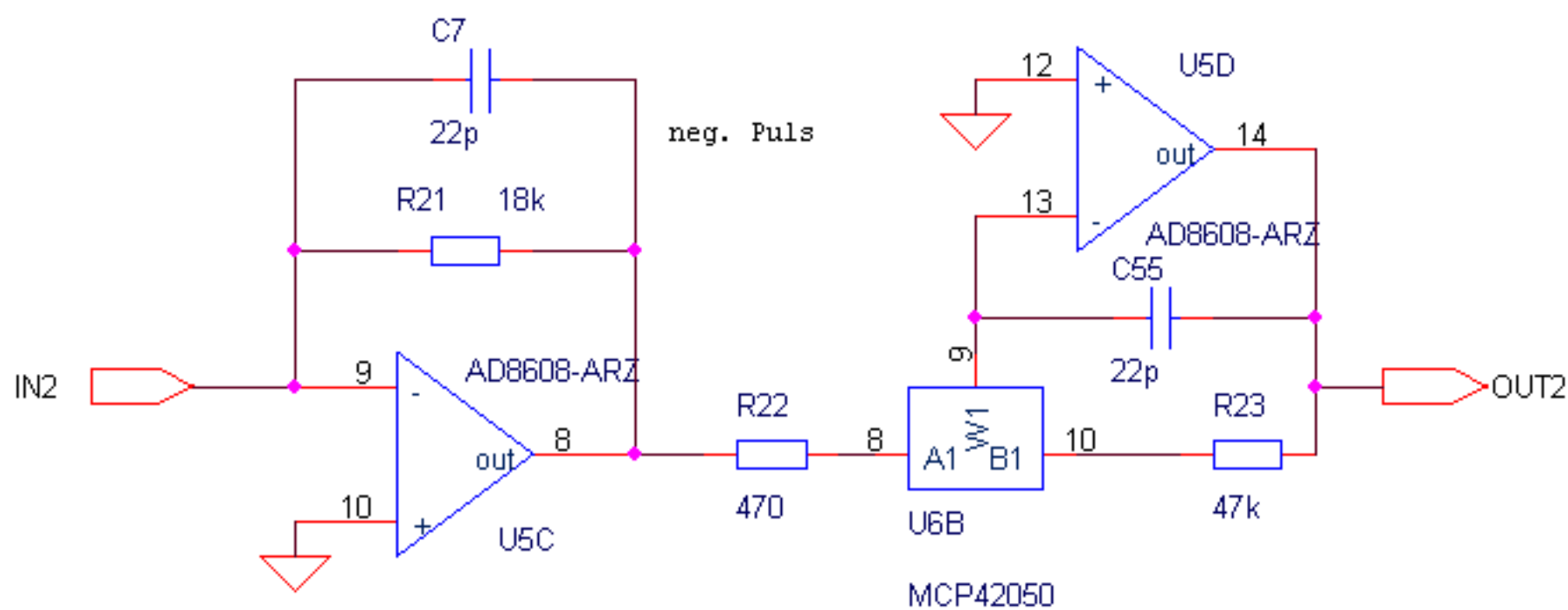
OPV: LT1679 bzw. AD8608



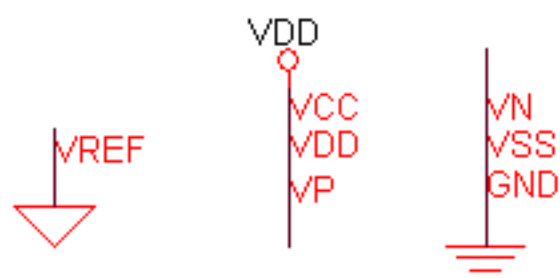
Title		
Preamp		
Size	Document Number	Rev
A	heinz@gfai.de	20
Date:	Tuesday, February 14, 2012	Sheet 3 of 6



$$0,93 < |v| < 206$$



OPV: LT1679 bzw. AD8608



Title		
Preamp		
Size	Document Number	Rev
A	heinz@gfai.de	20
Date:	Tuesday, February 14, 2012	Sheet 2 of 6

6-Kanal Photo Amplifier CHAMP6

Revised: Wednesday, February 22, 2012
heinz@gfai.de Revision: 21

GFaI
G. Heinz

Bill Of Materials
February 22,2012 14:54:35 Page1

Item	Qty	Reference	Part	Delivery
1	2	BU1,BU2	MOLEX_SD-43860-001	Mercateo
2	1	BU3	11x2	0,1"
3	1	BU4	5x1	0,1"
4	1	BU5	6x1	0,1"
5	1	C1	33n	0805
6	1	C2	100n	0805
7	7	C3,C10,C11,C12,C14,C50,C51	220n	0805
8	12	C4,C5,C6,C7,C8,C9,C52, C53,C54,C55,C56,C57	22p	0805
9	1	C13	47u	
10	1	C15	10u	
11	1	D1	red 3mm	
12	1	D2	green 3mm	
13	4	H1,H2,H3,H4	screw dia <100 mil	
14	1	JP1	2x1 0,1"	
15	1	L1	10uH	RS
16	1	Q1	CSTCV14M7X54J	Mouser
17	7	R1,R2,R3,R4,R5,R6,R7	120	0805
18	8	R8,R9,R12,R15,R18,R21, R24,R27	18k	0805
19	2	R10,R11	680	0805
20	6	R13,R16,R19,R22,R25,R28	470	0805
21	6	R14,R17,R20,R23,R26,R29	47k	0805
22	1	ST1	2x1	0,1"
23	1	TST1	Testpunkt /CS	
24	3	U1,U3,U5	AD8608-ARZ SOIC-14	RS
25	3	U2,U4,U6	MCP42050-E/SL SOIC-14	RS
26	1	U7	LTC485CS8 SOIC-8	RS
27	1	U8	ATmega8-16AU TQFP32	RS
28	1	U9	LP5951-MF2.5 SOT23-5	RS
29	1	Gehäuse	MUGE3 102x61x26	elpro

