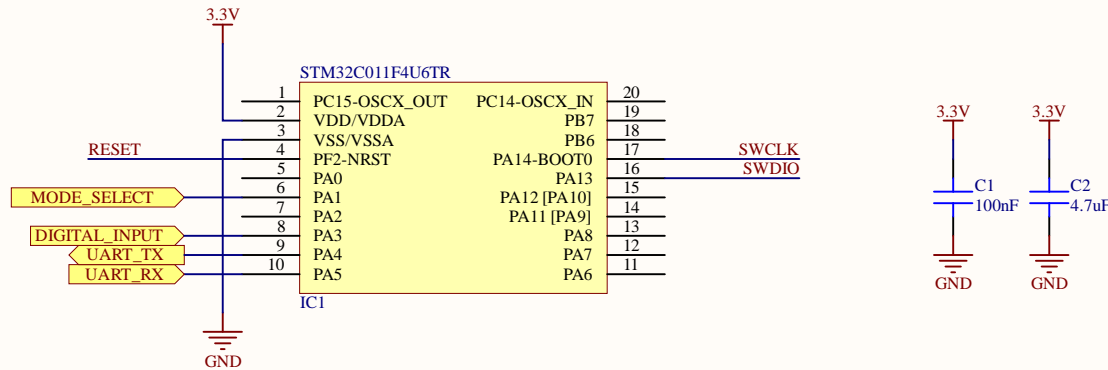


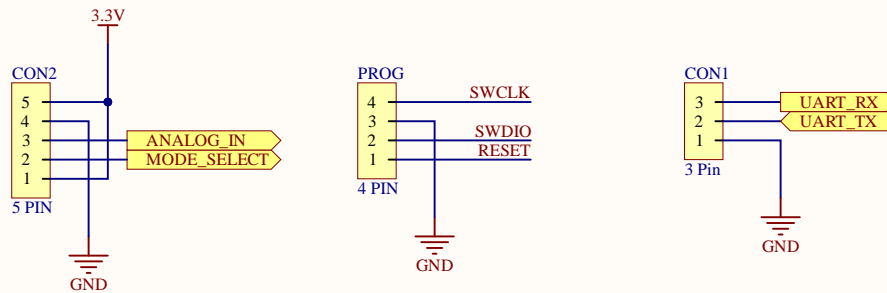
MCU



PRICING - MAX 50PLN
op-amp 1PLN
pcb 15PLN
R, L, C 0.15PLN
transistor 0.15PLN
low power diode 0.15PLN

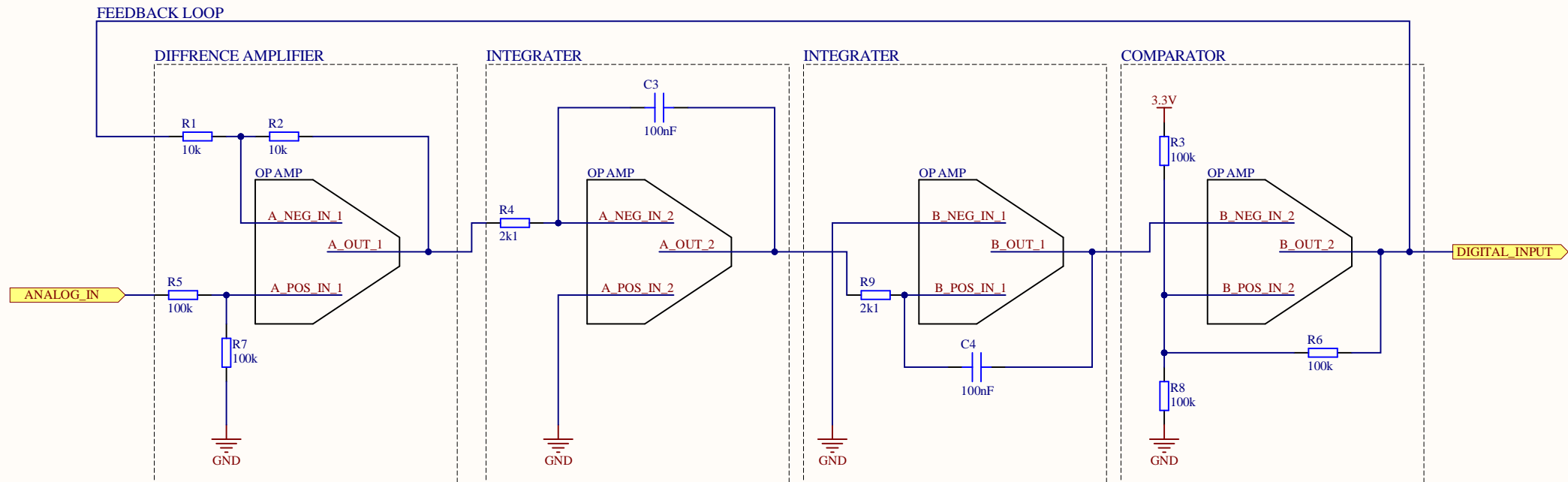
2Hz sampling rate
1mv min accuracy

I/O DEVICES

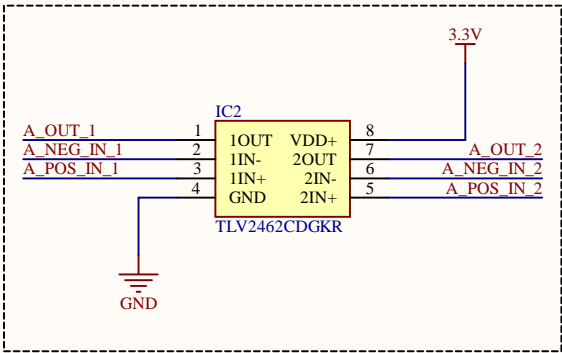


Title		
Size	Number	Revision
A4		
Date:	3/10/2025	Sheet of
File:	D:\tech\main.SchDoc	Drawn By:

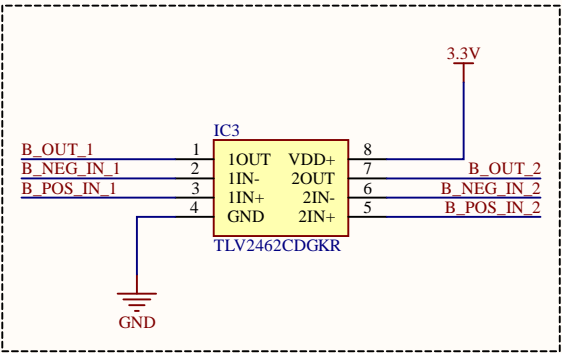
SIGMA DELTA ADC



A OP AMP



B OP AMP



Title		
Size	Number	Revision
A4		
Date:	3/10/2025	Sheet of
File:	D:\tech\...\adc.SchDoc	Drawn By:

ROBOILO
sigma delta adc
BY SZYMON FILIPKOWSKI

3.3V

GND

INPUT

MODE

3.3V

URX

UTX

GND

R1

R2

R5

R7

R4

IC2

PROG

C3

R9

R3

R8

C2

R6

IC1

IC3

C1

C4

Comment	Description	Designator	Footprint	LibRef	Quantity
100nF	MLOC Capacitor	C1	C0603	Capacitor	1
4.7uF	MLOC Capacitor	C2	C0603	Capacitor	1
100nF	MLOC Capacitor	C3, C4	C0402	Capacitor	2
3 Pin		CON1	Goldpin 2.54MM 3P	3 Pin	1
5 PIN		CON2	Goldpin 2.54mm 5P	5 PIN	1
STM32C011F4U6TR		IC1	UFQFPN20 - byMe	STM32C011F4U6TR	1
TLV2462CDGKR	Integrated Circuit	IC2, IC3	SOP65P490X110-8N	TLV2462CDGKR	2
4 PIN		PROG	BM04B-SRSS-TB	4 PIN	1
10k	General pourpouse resistor	R1, R2	R0402	Resistor	2
100k	General pourpouse resistor	R3, R5, R6, R7, R8	R0402	Resistor	5
2k1	General pourpouse resistor	R4, R9	R0402	Resistor	2