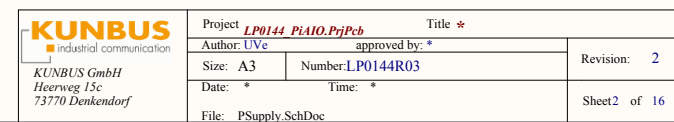
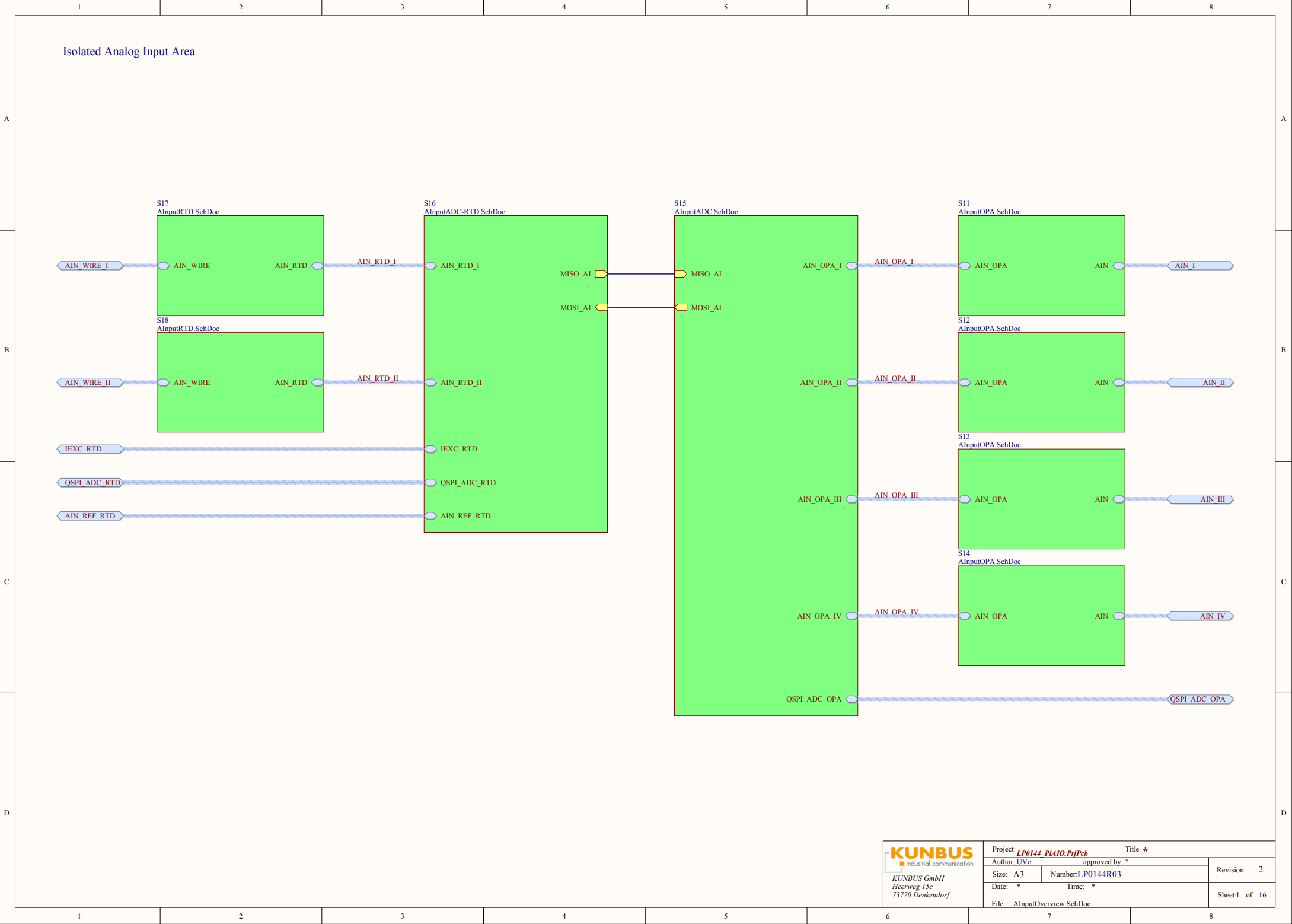


PiAIO

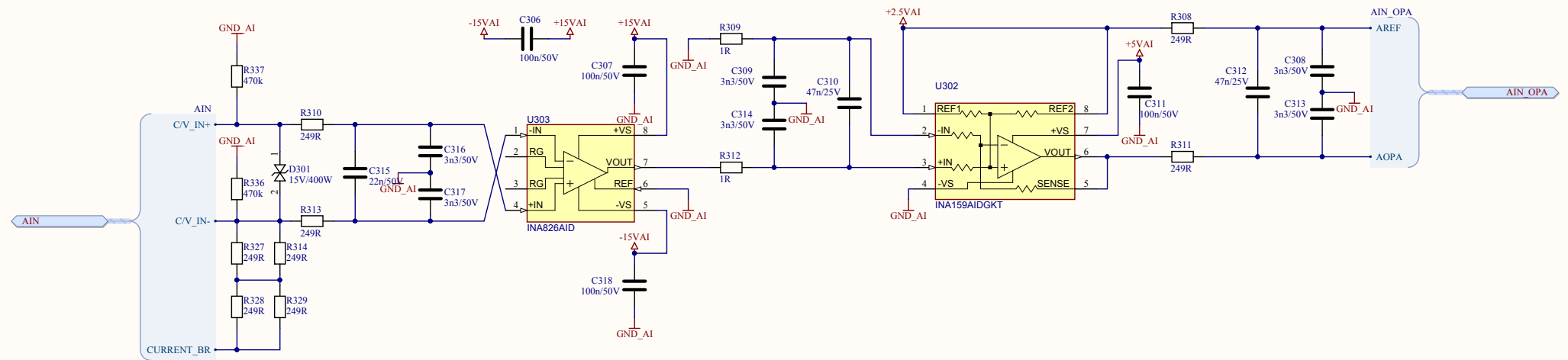
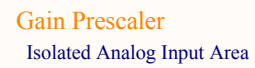






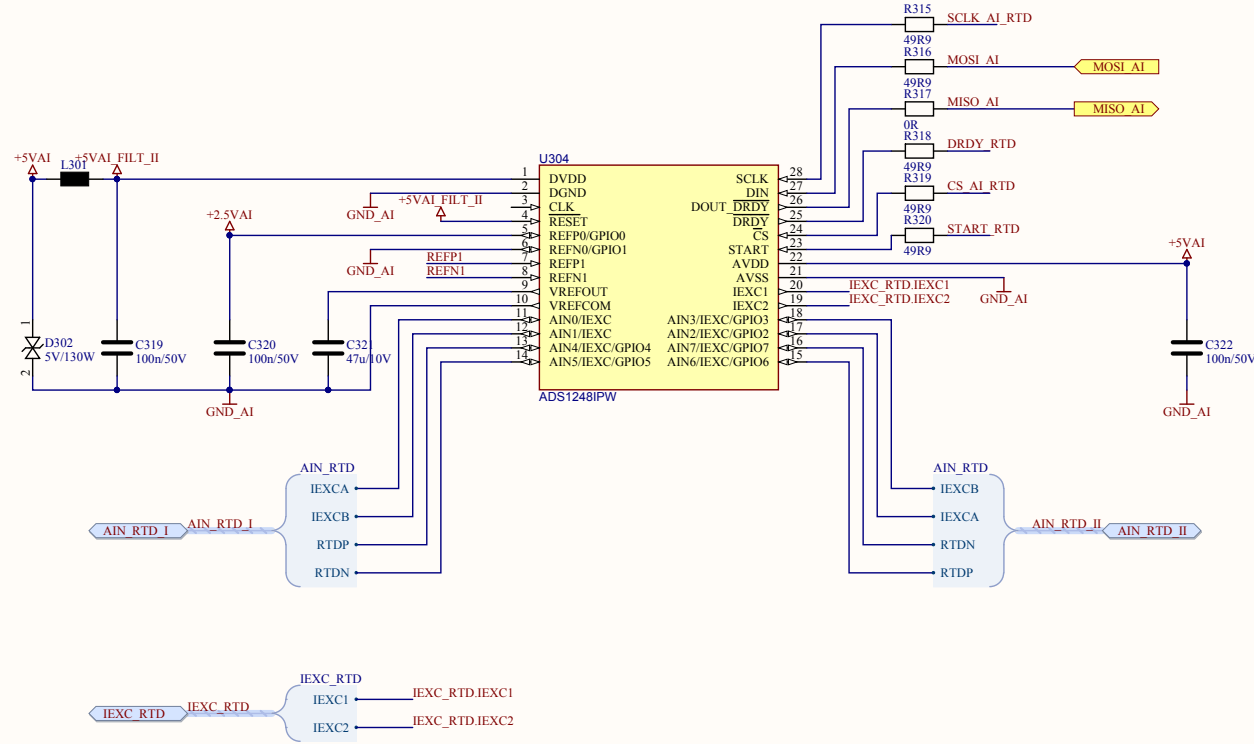
Isolated Analog Input Area





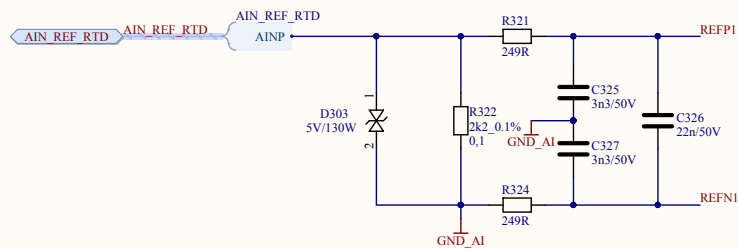
ADC Current & Voltage Measurement

Isolated Analog Input Area

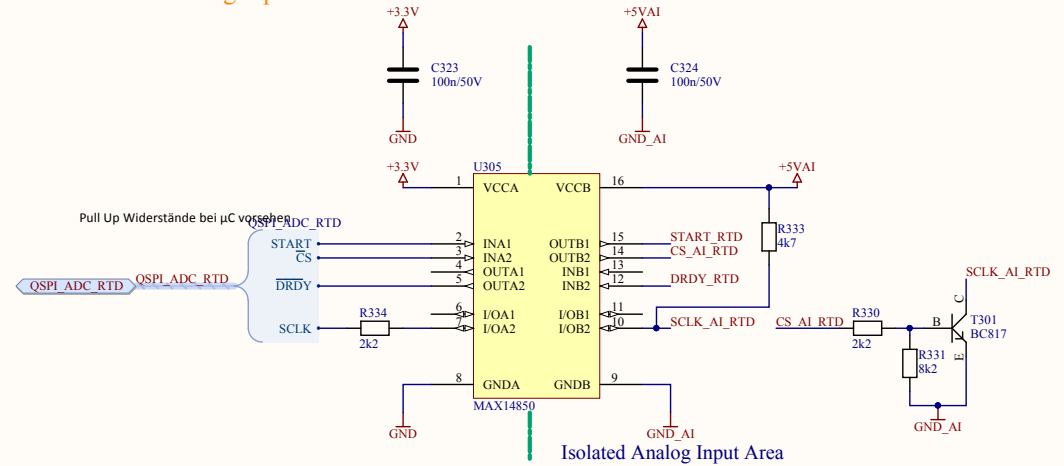


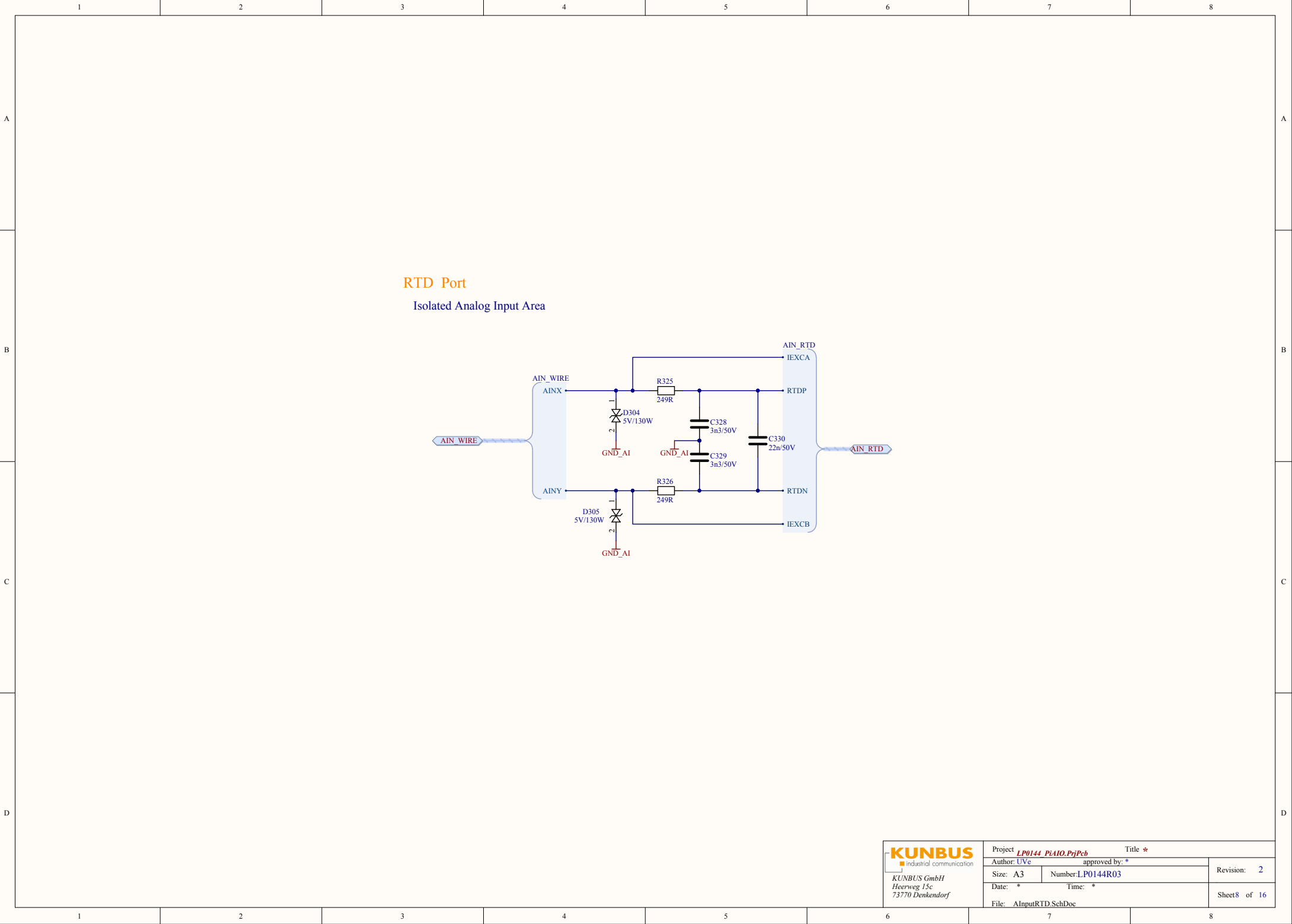
Reference Input

Isolated Analog Input Area

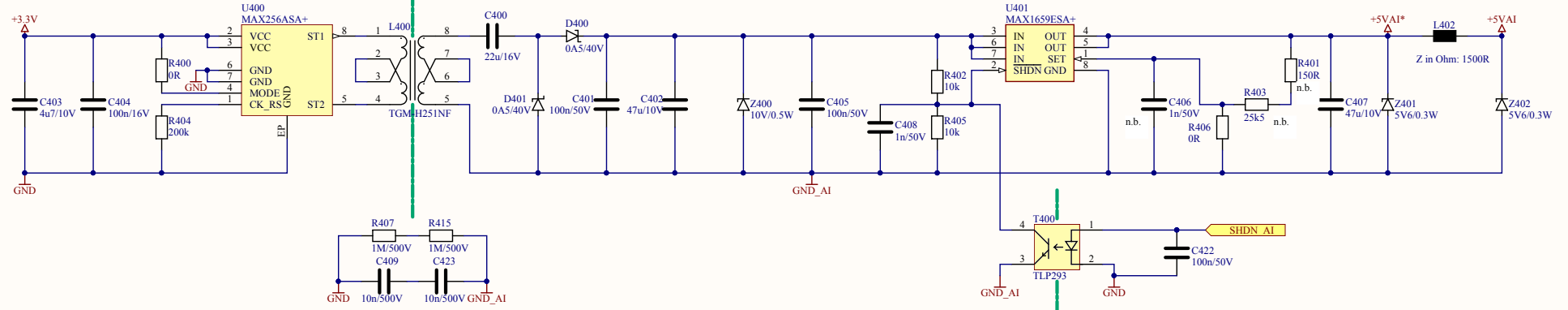


Isolator Control Analog Input II



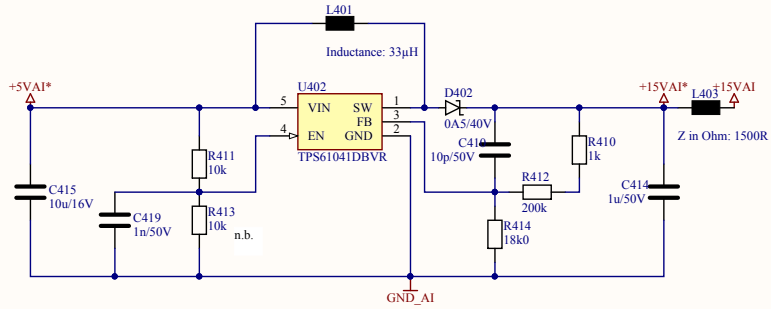


Step Up Converter +3.3V / Isolated +5V



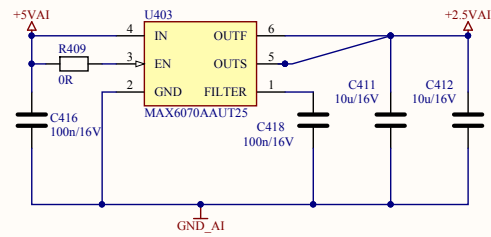
Step Up Converter +5V / +15V

Isolated Analog Input Area



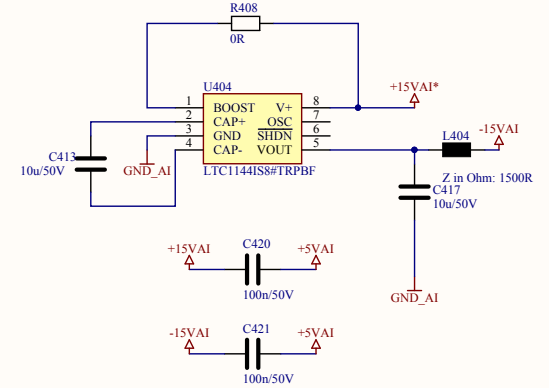
Voltage Reference +2.5V

Isolated Analog Input Area

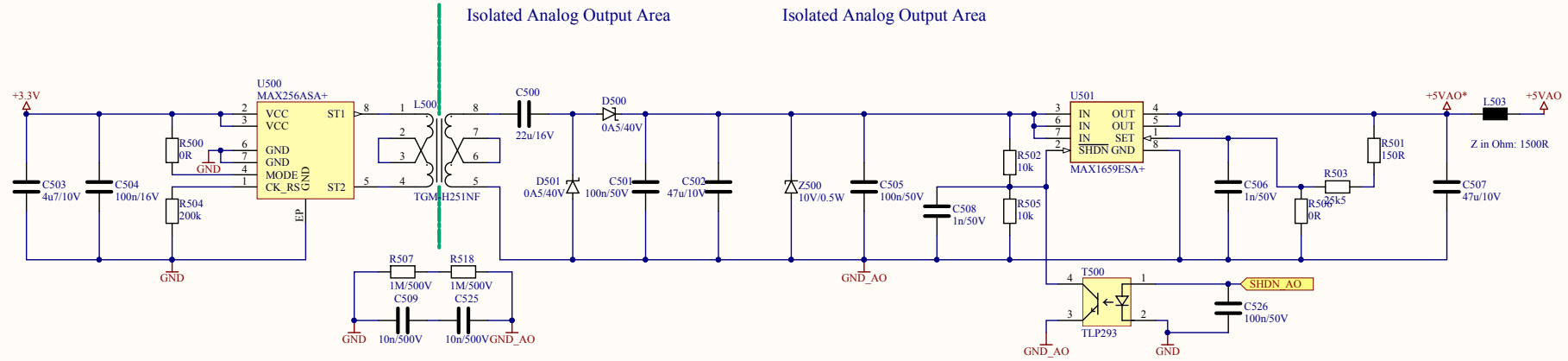


Inverter +15V / -15V

Isolated Analog Input Area

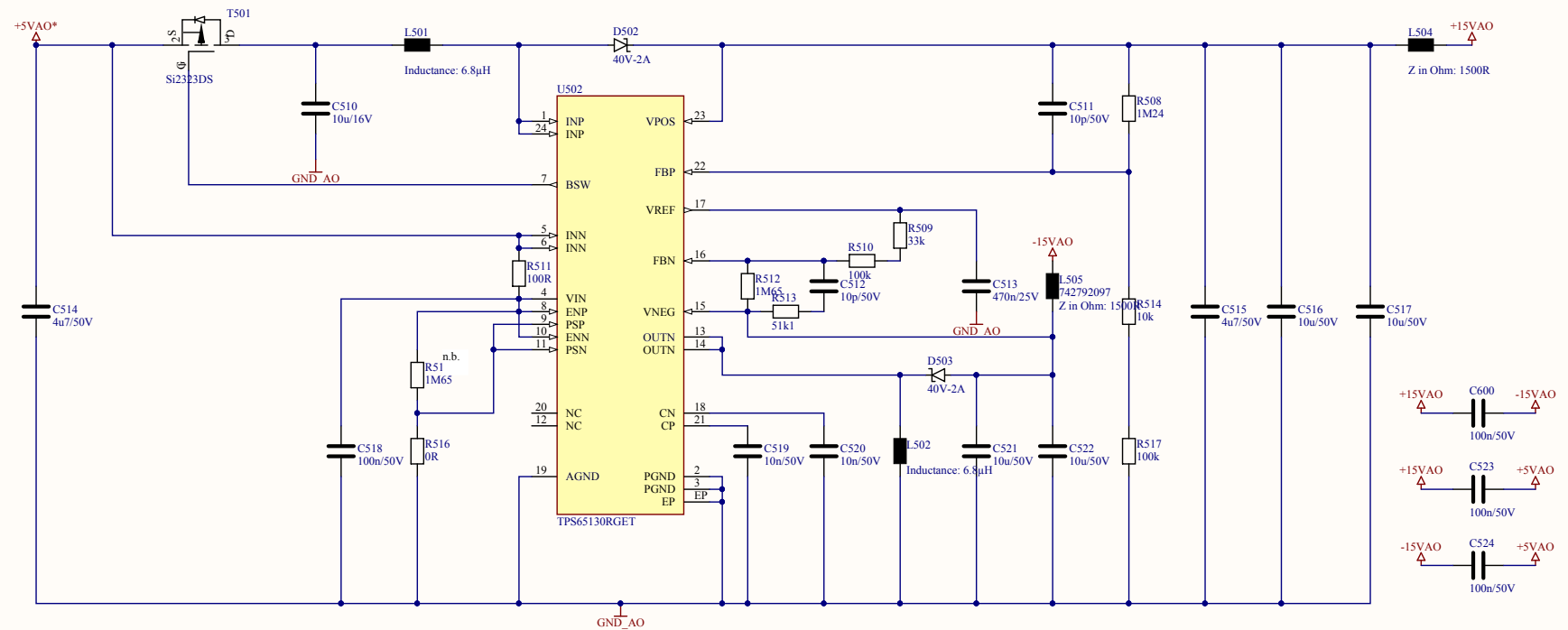


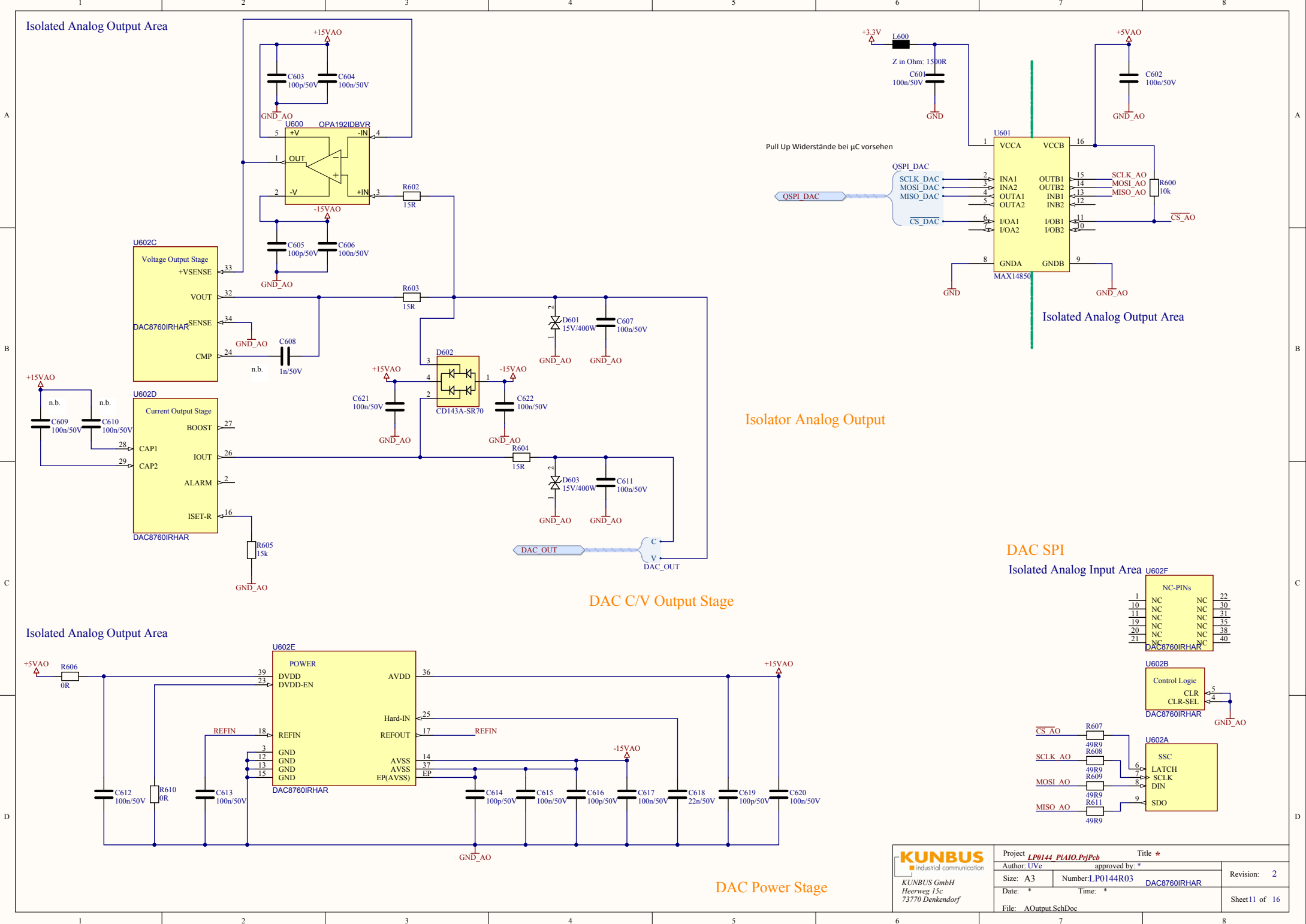
Step Up Converter +3.3V / Isolated +5V



Step Up Converter +5V / Dual +15V / -15V

Isolated Analog Output Area





Isolated Analog Output Area

Pull Up Widerstände bei µC vorsehen

Isolated Analog Output Area

Isolator Analog Output

DAC C/V Output Stage

Isolated Analog Output Area

DAC SPI

Isolated Analog Input Area

DAC Power Stage

| | | | | |
|---|------------------------------------|--------------------------|-----------------------|--|
| KUNBUS Industrial communication KUNBUS GmbH Heerweg 15c 73770 Denkendorf | Project LP0144 PiAIO.PriPch | | Title * | |
| | Author: Uve | | approved by: * | |
| | Size: A3 | Number: LP0144R03 | DAC8760IRHAR | |
| | Date: * | Time: * | Revision: 2 | |
| | File: AOutput.SchDoc | | Sheet 11 of 16 | |

Power LED Function

a) Module switched ON
 * Green LED ON
 * Red LED OFF

β) STM µC initiated
 * Green LED ON
 * Red LED OFF

γ) Module fatal Error (PWRed ON)
 * Green LED OFF
 * Red LED ON

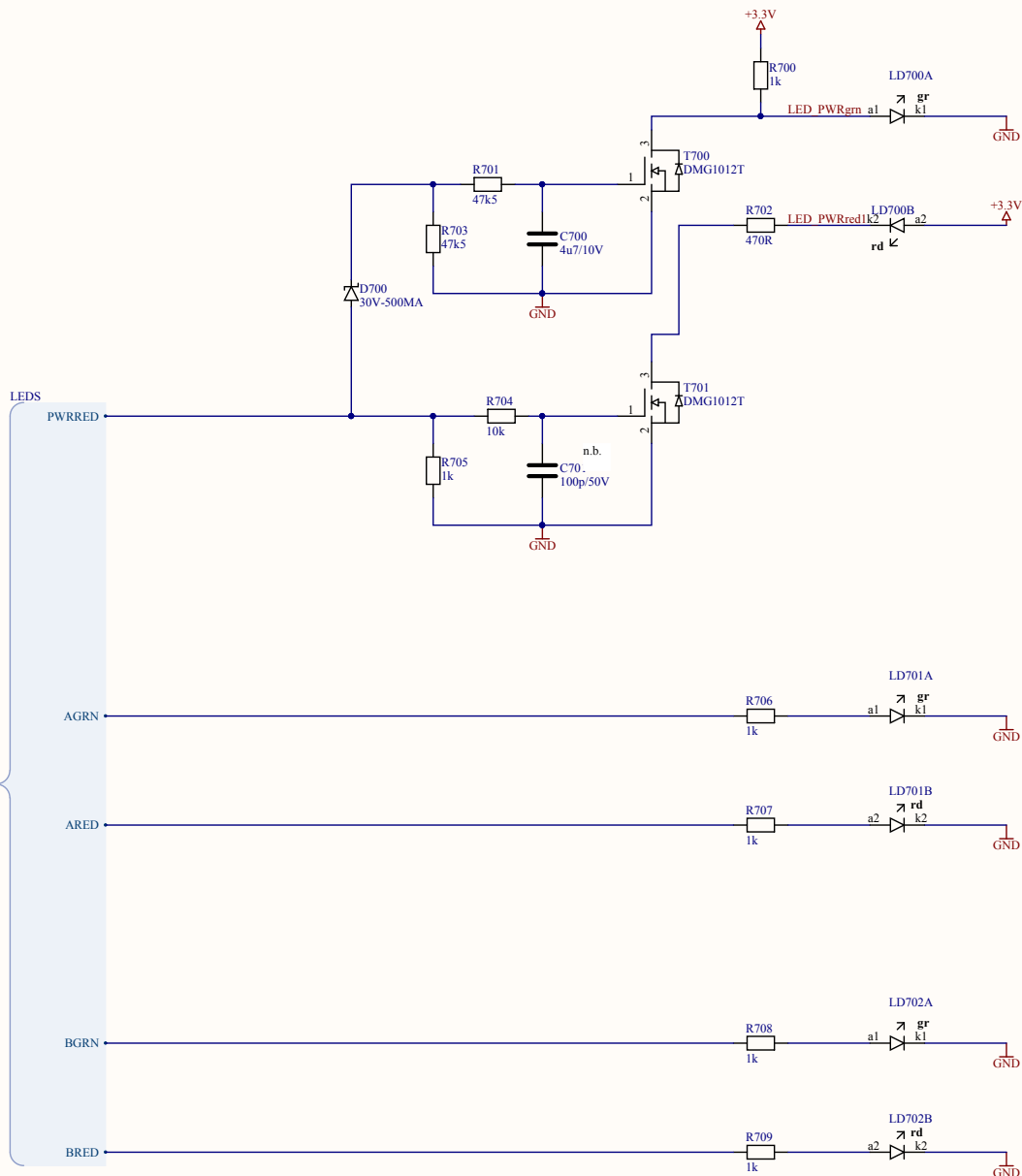
δ) Module fault Condition (1 Hz PWRed ON / OFF)
 * Green LED OFF
 * Red LED (blinky)

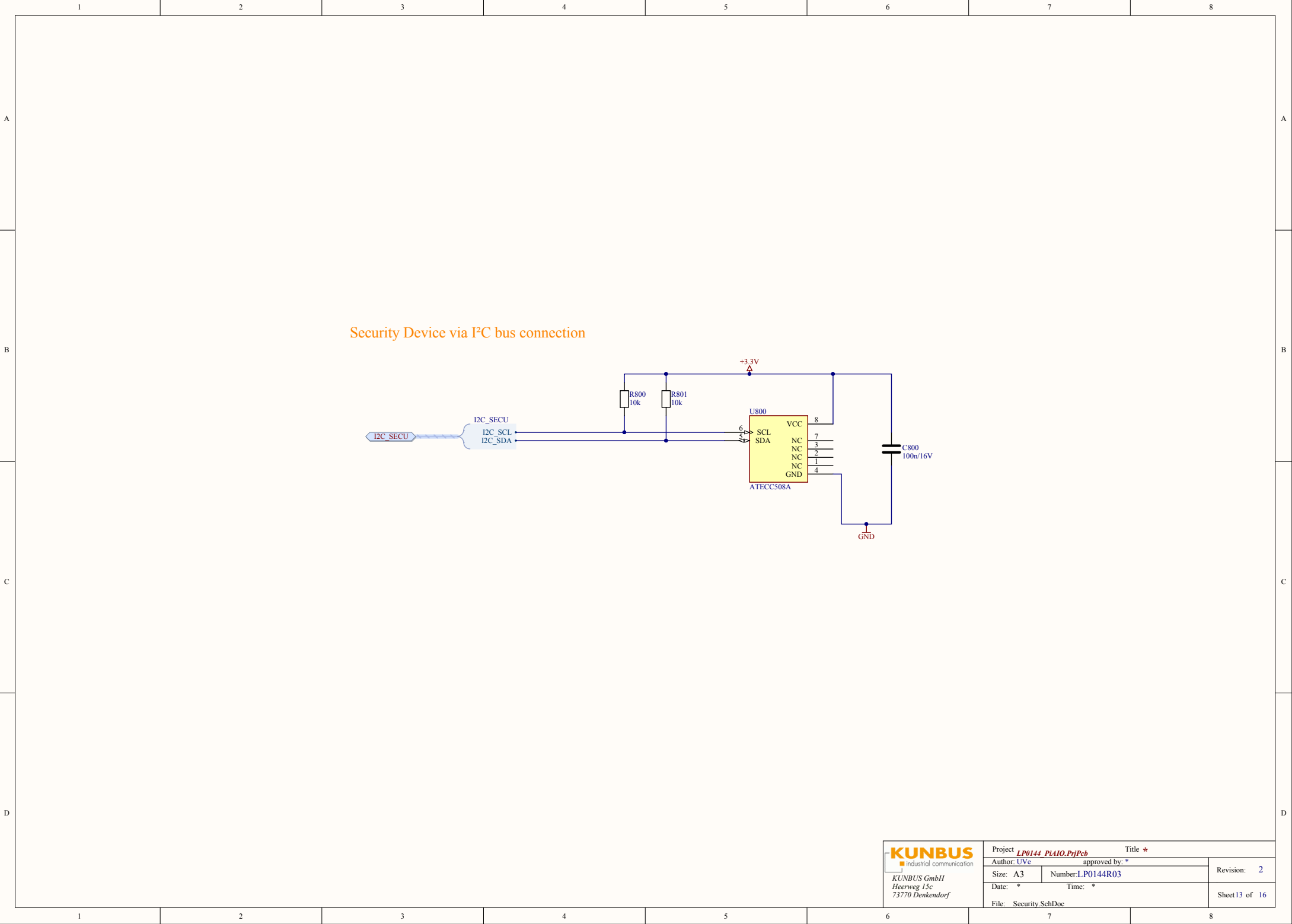
POWER

LED A

LED B

LEDS





A



A

B

C

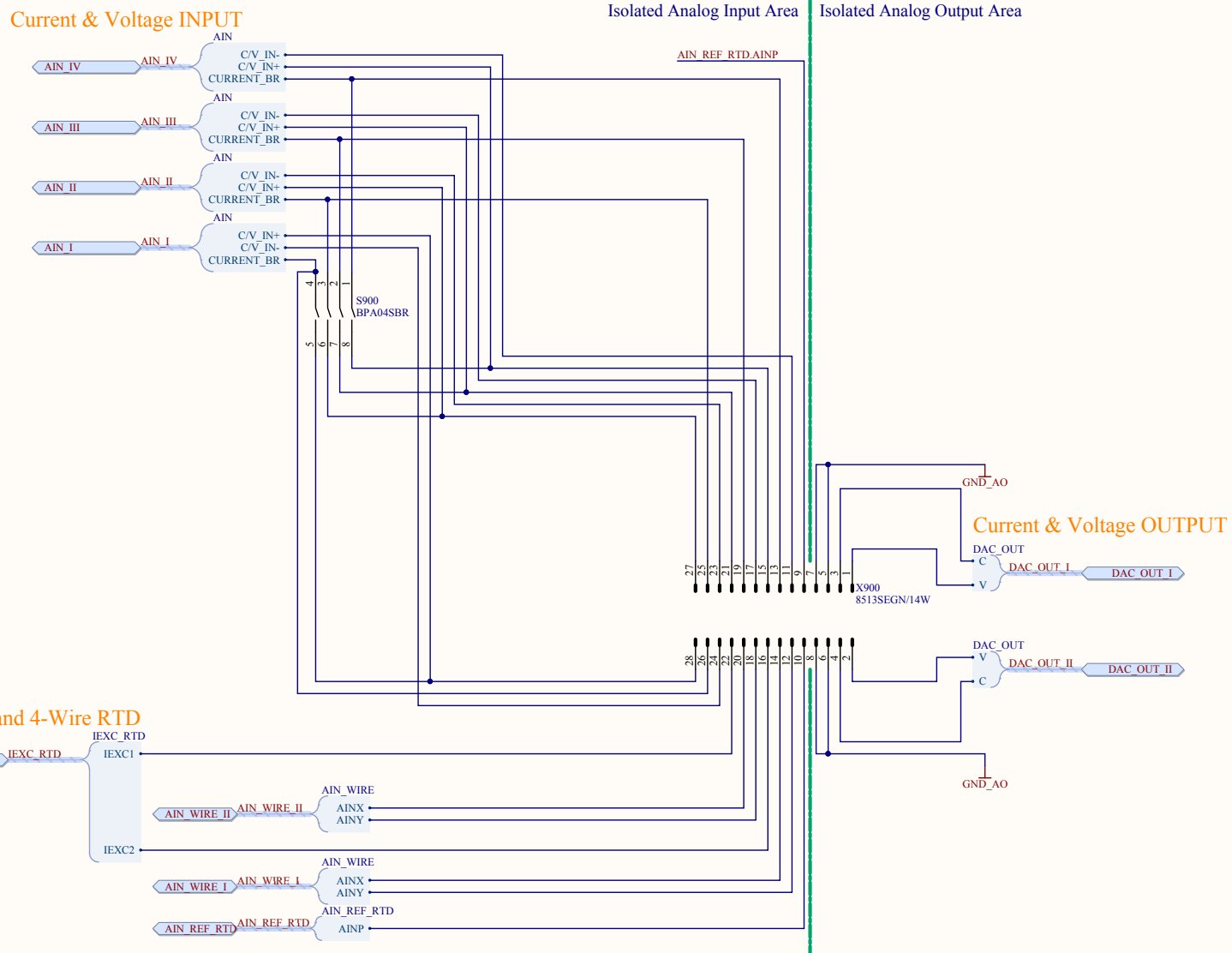
D

A

B

C

D



Current & Temperature Sens

