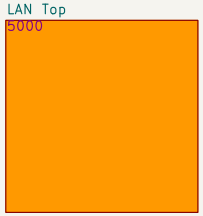
BE-IIS-HPP-ADC-Rev.A
Brechel Electronic
Industrie Interface Solutions
www.be-iis.eu



Brechel Electronic

Industrial Interface Solutions

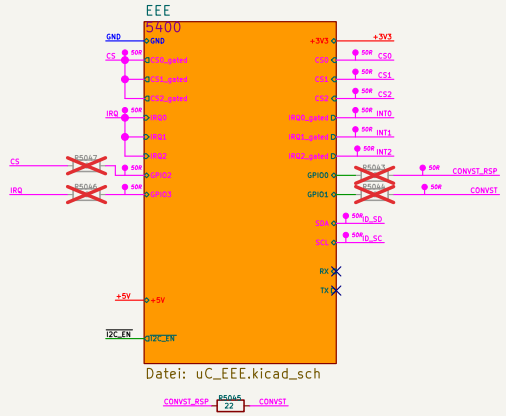
Designed by Philipp Brechel (Germany)

Sheet: /
File: BRECHEL_HAT_ADC.kicad_sch

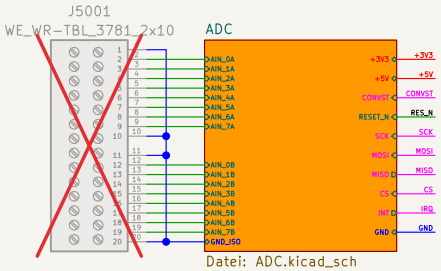
Title: BE-IIS-HPP-ADC

Size: A4	Date: 2026-08-30	**Rev: B**
KiCad E.D.A. 10.0.3		Id: 1/7

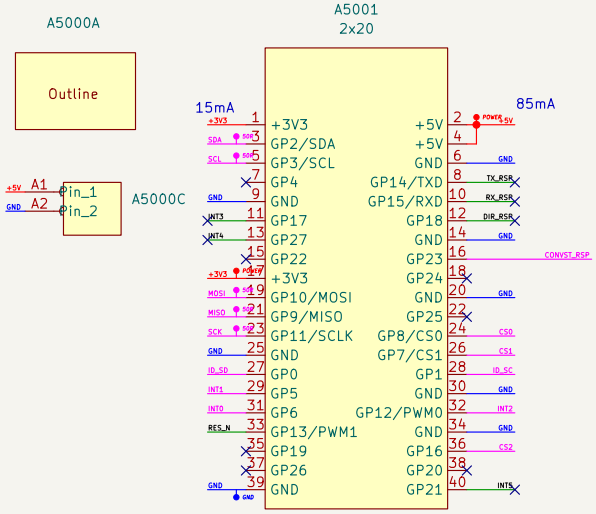
HAT+ EEprom



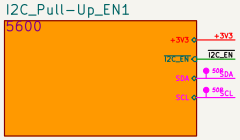
ADC

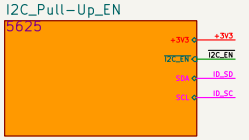


Pi Pinout



Pul-ups





Brechel Electronic

Industrial Interface Solutions

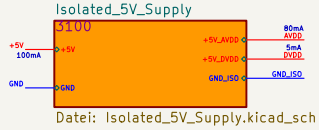
Designed by Philipp Brechel (Germany)

Sheet: /LAN Top/
File: LAN_top.kicad_sch

Title: BE-IIS-HPP-ADC

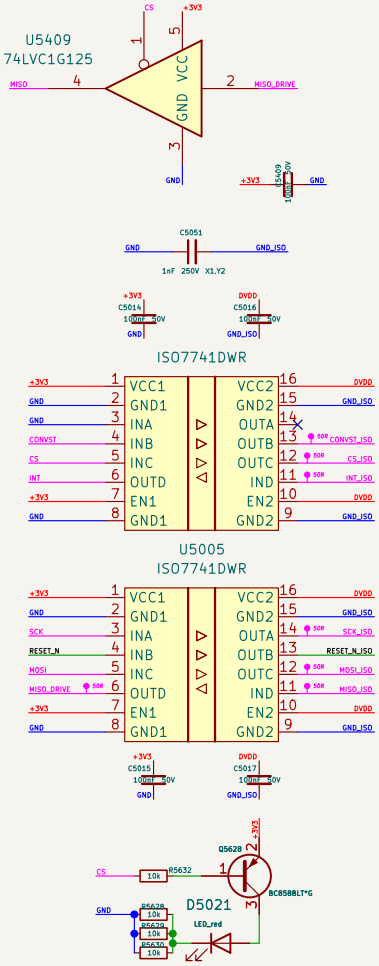
Size: A4	Date: 2026-08-30	**Rev: B**
KiCad E.D.A. 10.0.3		Id: 10/7

Isolated Supply

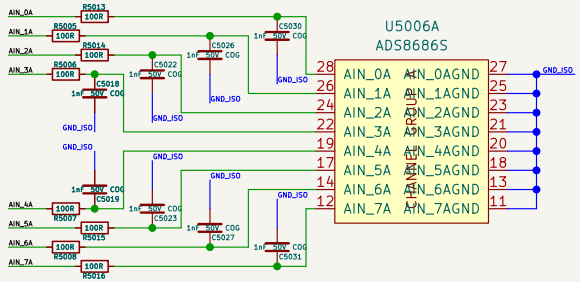


Datei: Isolated_5V_Supply.kicad_sch

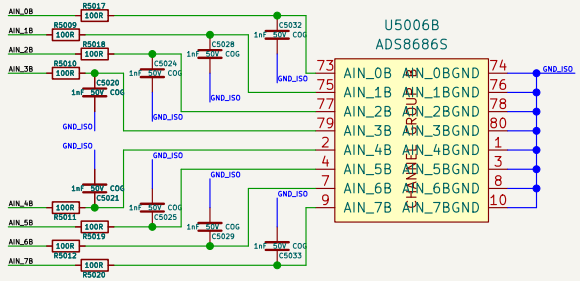
Signal isolation



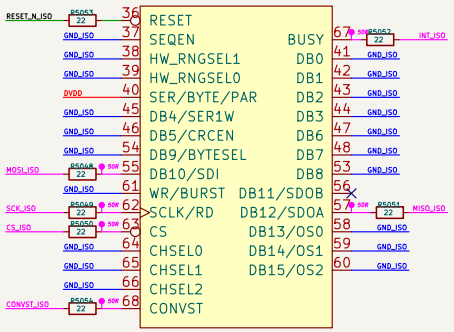
Channel A



Channel B



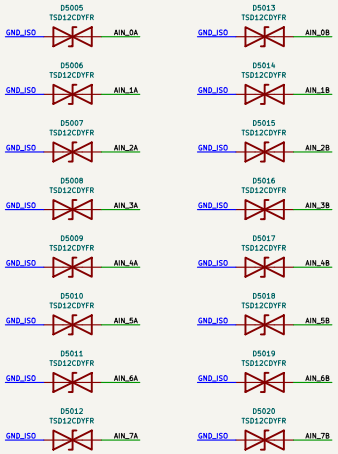
Channel B

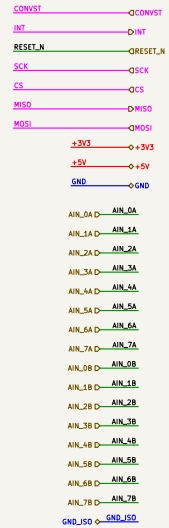


Software-Mode, Serial

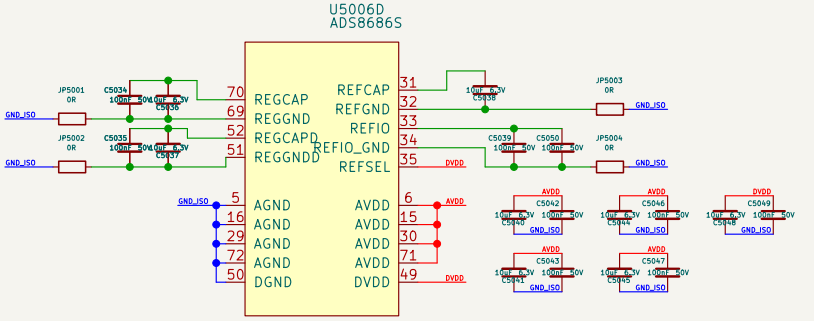


Protection





POWER



Brechel Electronic

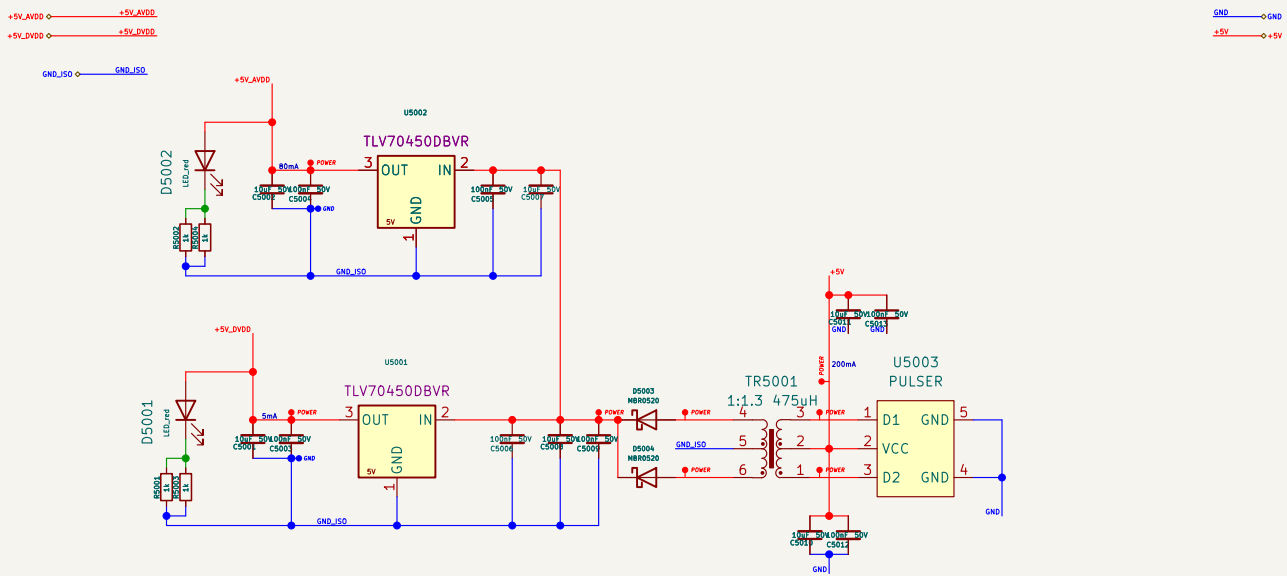
Industrial Interface Solutions

Designed by Philipp Brechel (Germany)

Sheet: /LAN Top/ADC/
File: ADC.kicad_sch

Title: BE-IIS-HPP-ADC

Size: A4	Date: 2026-08-30	**Rev: B**
KiCad E.D.A. 10.0.3		Id: 5/7



Brechel Electronic

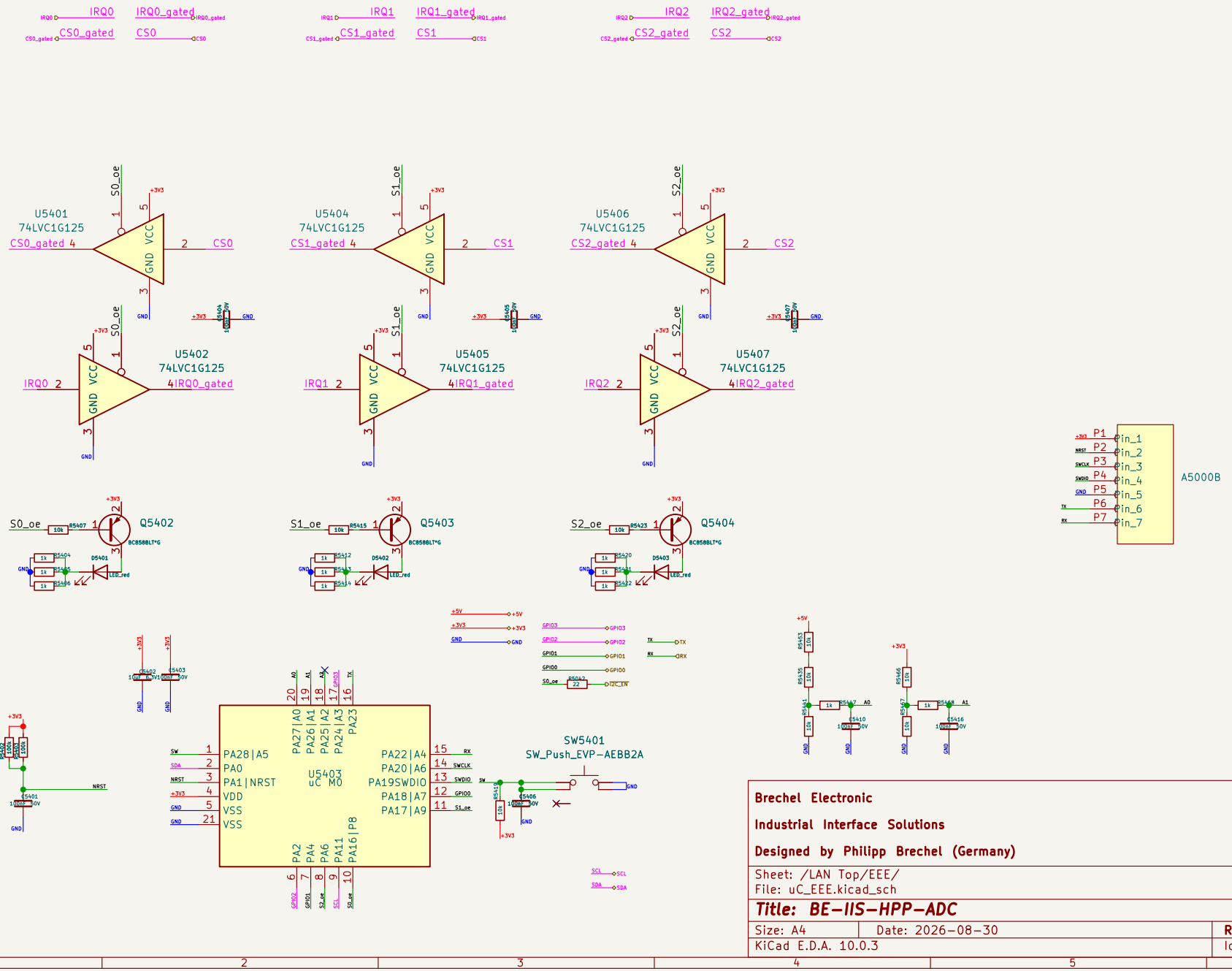
Industrial Interface Solutions

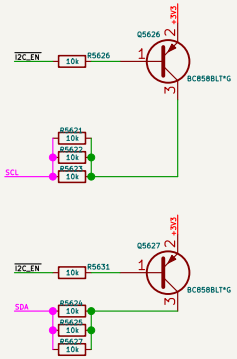
Designed by Philipp Brechel (Germany)

Sheet: /LAN Top/ADC/Isolated_5V_Supply/
File: Isolated_5V_Supply.kicad_sch

Title: BE-IIS-HPP-ADC

Size: A5	Date: 2026-08-30	**Rev: B**
KiCad E.D.A. 10.0.3		Id: 2/7


IRQ0
IRQ0_gated
CS0_gated
CS0
IRQ1
IRQ1_gated
CS1_gated
CS1
IRQ2
IRQ2_gated
CS2_gated
CS2
U5401
74LVC1G125
U5402
U5404
U5405
U5406
U5407
S0_oe
S1_oe
S2_oe
Q5402
Q5403
Q5404
BC858BLT*G
LED_red
A5000B
U5403
uC M0
SW5401
SW_Push_EVP-AEBB2A
Brechel Electronic
Industrial Interface Solutions
Designed by Philipp Brechel (Germany)
Sheet: /LAN Top/EEE/
File: uC_EEE.kicad_sch
Title: BE-IIS-HPP-ADC
Size: A4
Date: 2026-08-30
Rev: B
KiCad E.D.A. 10.0.3
Id: 16/7



Brechel Electronic

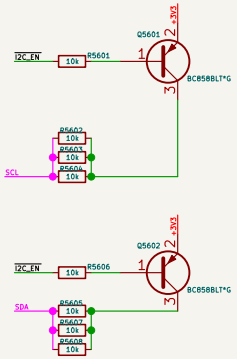
Industrial Interface Solutions

Designed by Philipp Brechel (Germany)

Sheet: /LAN Top/I2C_Pull-Up_EN/
File: I2C_Pull-Up_EN.kicad_sch

Title: BE-IIS-HPP-ADC

Size: A4	Date: 2026-08-30	**Rev: B**
KiCad E.D.A. 10.0.3		Id: 36/7



Brechel Electronic

Industrial Interface Solutions

Designed by Philipp Brechel (Germany)

Sheet: /LAN Top/I2C_Pull-Up_EN1/
File: I2C_Pull-Up_EN.kicad_sch

Title: BE-IIS-HPP-ADC

Size: A4	Date: 2026-08-30	**Rev: B**
KiCad E.D.A. 10.0.3		Id: 39/7