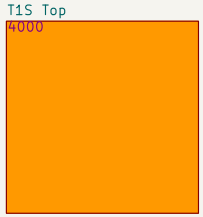
BE-IIS-HAT++T1S-Rev.B
Brechel Electronic
Industrie Interface Solutions
www.be-iis.eu



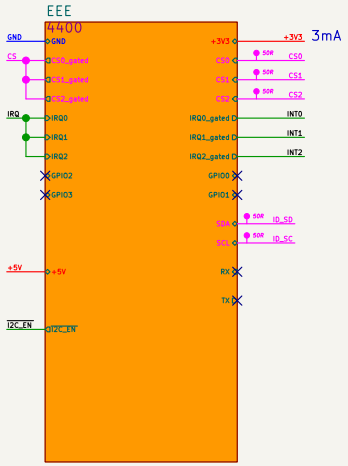
Brechel Electronic
Industrial Interface Solutions
Designed by Philipp Brechel (Germany)
www.be-iis.eu
contact@be-iis.eu

Sheet: /
File: BRECHEL_HAT_T1S.kicad_sch

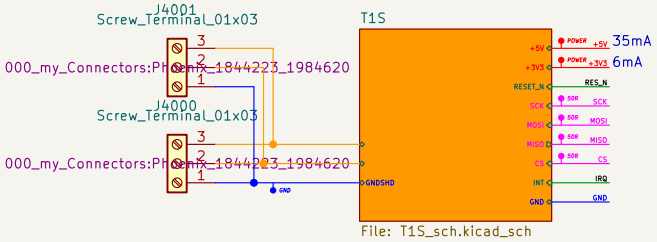
Title: Pi-HAT+: T1S

Size: A4	Date: 2026-03-25	**Rev: B – final**
KiCad E.D.A. 10.0.3		Id: 1/6

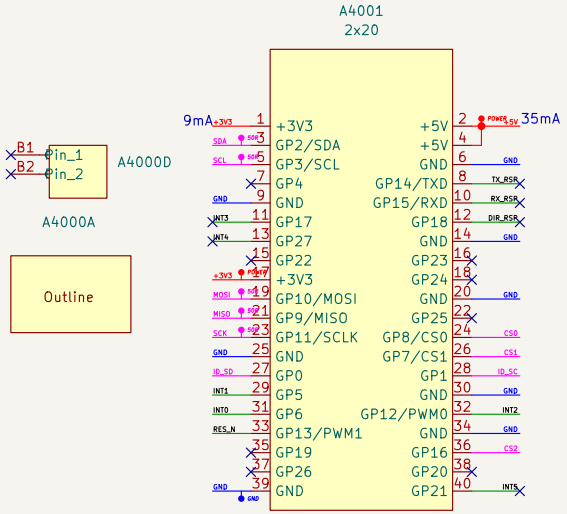
HAT+ EEprom



T1S



Pi Pinout



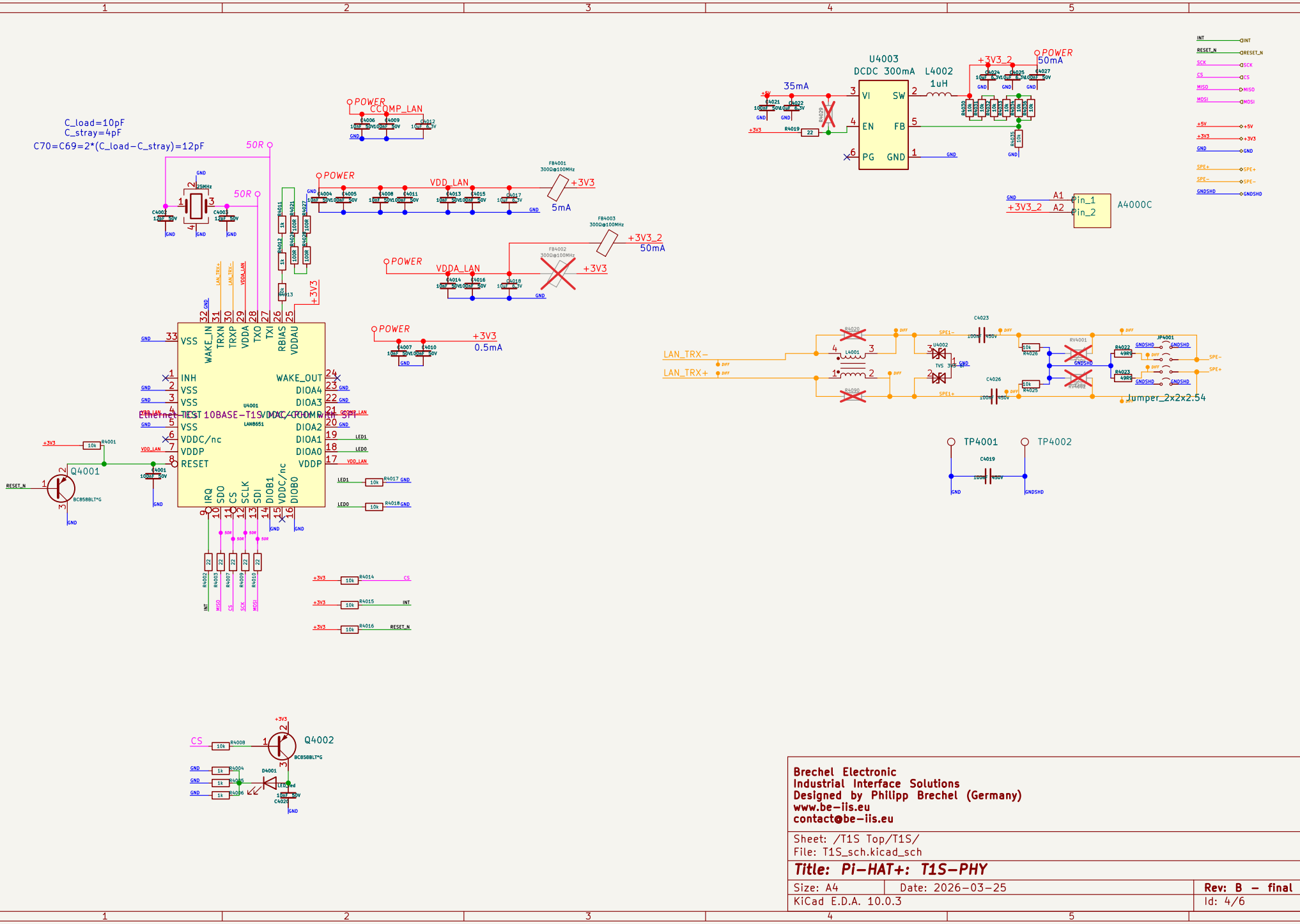
I2C Pullups

Brechel Electronic
Industrial Interface Solutions
Designed by Philipp Brechel (Germany)
www.be-iis.eu
contact@be-iis.eu

Sheet: /T1S Top/
File: T1S_TOP.kicad_sch

Title: Pi-HAT+: T1S

Size: A4	Date: 2026-03-25	Rev: B – final
KiCad E.D.A. 10.0.3		Id: 9/6

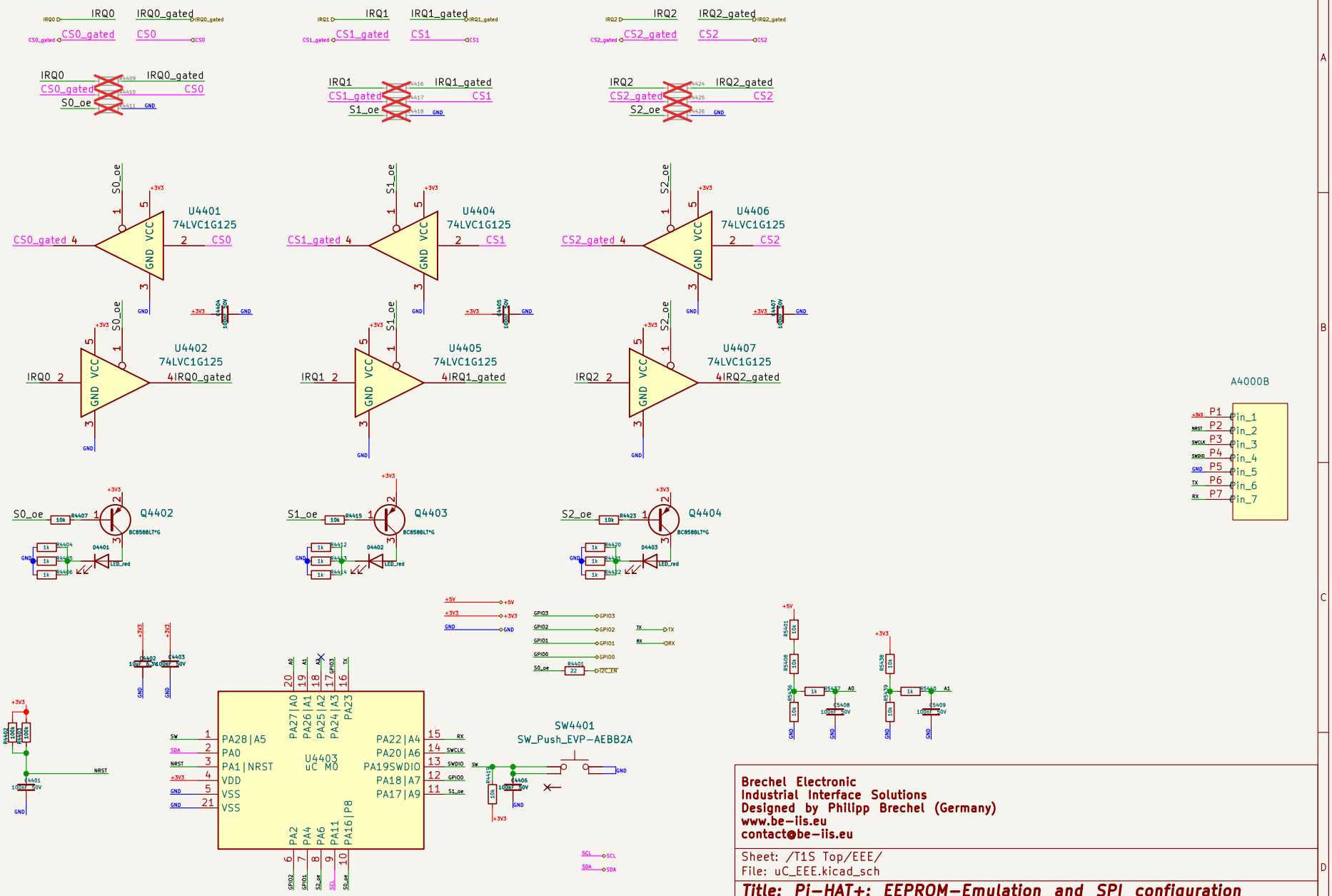


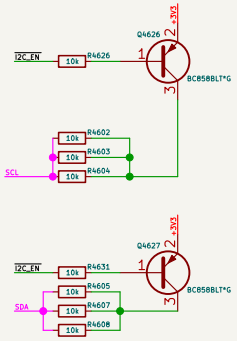
Brechel Electronic
Industrial Interface Solutions
Designed by Philipp Brechel (Germany)
www.be-iis.eu
contact@be-iis.eu

Sheet: /T1S Top/T1S/
File: T1S_sch.kicad_sch

Title: Pi-HAT+: T1S-PHY

Size: A4	Date: 2026-03-25	**Rev: B – final**
KiCad E.D.A. 10.0.3		Id: 4/6


IRQ0
IRQ0_gated
CS0_gated
CS0
IRQ1
IRQ1_gated
CS1_gated
CS1
IRQ2
IRQ2_gated
CS2_gated
CS2
S0_oe
S1_oe
S2_oe
U4401
U4402
U4404
U4405
U4406
U4407
74LVC1G125
Q4402
Q4403
Q4404
BC858BLT*G
LED_red
A4000B
U4403
uC M0
SW4401
SW_Push_EVP-AEBB2A
Brechel Electronic
Industrial Interface Solutions
Designed by Philipp Brechel (Germany)
www.be-iis.eu
contact@be-iis.eu
Sheet: /T1S Top/EEE/
File: uC_EEE.kicad_sch
Title: Pi-HAT+: EEPROM-Emulation and SPI configuration
Size: A4
Date: 2026-03-25
Rev: B - final
KiCad E.D.A. 10.0.3
Id: 14/6

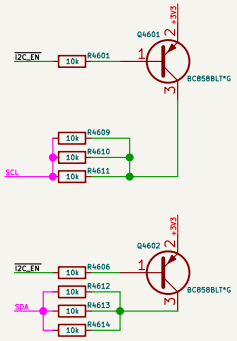


Brechel Electronic
Industrial Interface Solutions
Designed by Philipp Brechel (Germany)
www.be-iis.eu
contact@be-iis.eu

Sheet: /T1S Top/I2C_Pull-Up_EN/
File: I2C_Pull-Up_EN.kicad_sch

Title: Pi-HAT+: I2C Pull-up - switchable

Size: A4	Date: 2026-03-25	**Rev: B - final**
KiCad E.D.A. 10.0.3		Id: 34/6



Brechel Electronic
Industrial Interface Solutions
Designed by Philipp Brechel (Germany)
www.be-iis.eu
contact@be-iis.eu

Sheet: /T1S Top/I2C_Pull-Up_EN1/
File: I2C_Pull-Up_EN.kicad_sch

Title: Pi-HAT+: I2C Pull-up - switchable

Size: A4	Date: 2026-03-25	**Rev: B - final**
KiCad E.D.A. 10.0.3		Id: 40/6