BE-IIS-HAT++2T1L Rev.A
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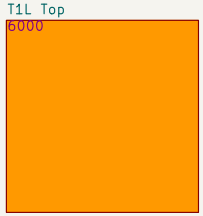

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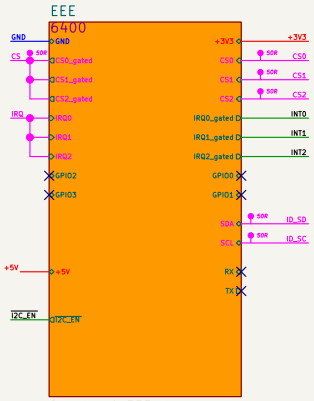
Sheet: /
File: BE-IIS-HATPP-2T1L.kicad_sch

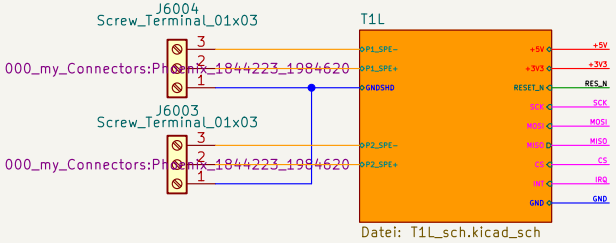
Title: Pi-HAT+: T1L

Size: A4	Date: 2026-08-21	**Rev: A**
KiCad E.D.A. 10.0.3		Id: 1/8

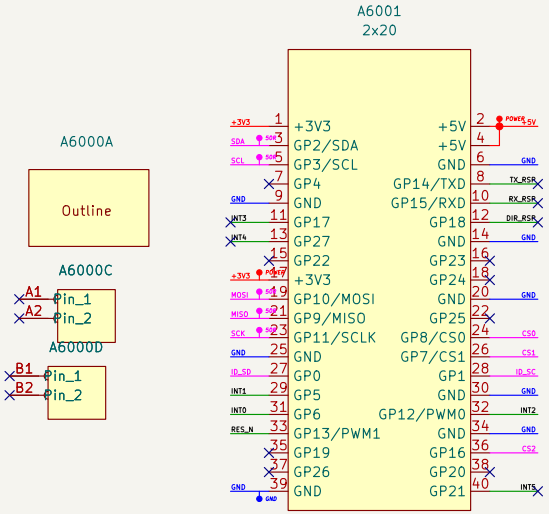
HAT+ EEprom



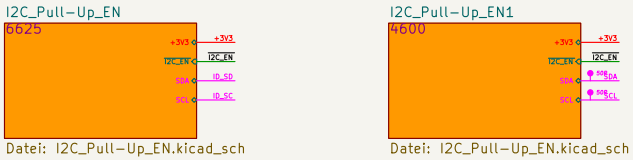
T1L



Pi Pinout



I2C-Pullups



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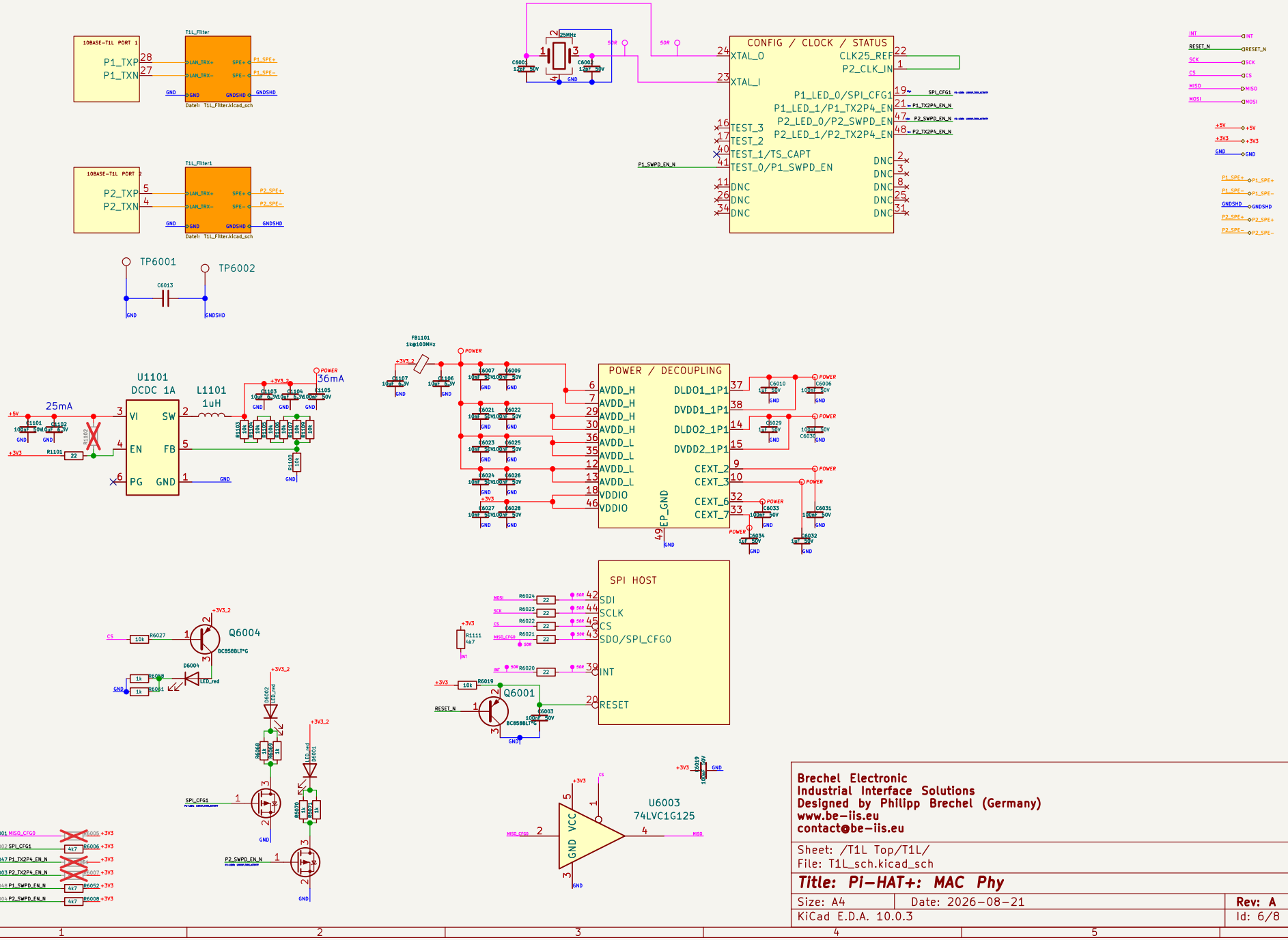
Sheet: /T1L Top/
File: T1L_top.kicad_sch

Title: Pi-HAT+: Dual T1L

Size: A4	Date: 2026-08-21	**Rev: A**
KiCad E.D.A. 10.0.3		Id: 8/8


10BASE-T1L PORT 1
P1_TXP
P1_TXN
T1L_FIlter
TLAN_TRX+
TLAN_TRX-
SPE+
SPE-
GND
GNDSHD
P1_SPE+
P1_SPE-
Datei: T1L_FIlter.kicad_sch
10BASE-T1L PORT 2
P2_TXP
P2_TXN
T1L_FIlter1
P2_SPE+
P2_SPE-
Datei: T1L_FIlter.kicad_sch
TP6001
TP6002
C6013
25MHz
C6001
C6002
CONFIG / CLOCK / STATUS
XTAL_O
XTAL_I
CLK25_REF
P2_CLK_IN
P1_LED_0/SPI_CFG1
P1_LED_1/P1_TX2P4_EN
P2_LED_0/P2_SWPD_EN
P2_LED_1/P2_TX2P4_EN
TEST_3
TEST_2
TEST_1/TS_CAPT
TEST_0/P1_SWPD_EN
DNC
P1_SWPD_EN_N
SPI_CFG1
P1_TX2P4_EN_N
P2_SWPD_EN_N
P2_TX2P4_EN_N
INT
RESET_N
SCK
CS
MISO
MOSI
+5V
+3V3
GND
GNDSHD
P1_SPE+
P1_SPE-
P2_SPE+
P2_SPE-
U1101
DCDC 1A
L1101
1uH
25mA
36mA
VI
SW
EN
FB
PG
GND
R1101
22
FB1101
1kΩ100MHz
POWER / DECOUPLING
AVDD_H
AVDD_L
VDDIO
DLDO1_1P1
DVDD1_1P1
DLDO2_1P1
DVDD2_1P1
CEXT_2
CEXT_3
CEXT_6
CEXT_7
EP_GND
SPI HOST
SDI
SCLK
CS
SDO/SPI_CFG0
INT
RESET
Q6004
BC858BLT*G
D6004
LED_red
Q6001
U6003
74LVC1G125
GND VCC
MISO_CFG0
MISO
Change to Gererlc SPI with 8-bit CRC
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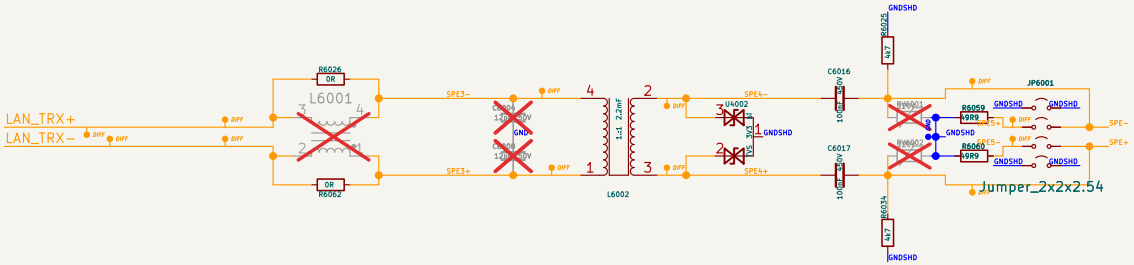
Sheet: /T1L Top/T1L/
File: T1L_sch.kicad_sch
Title: Pi-HAT+: MAC Phy
Size: A4
Date: 2026-08-21
KiCad E.D.A. 10.0.3
Rev: A
Id: 6/8



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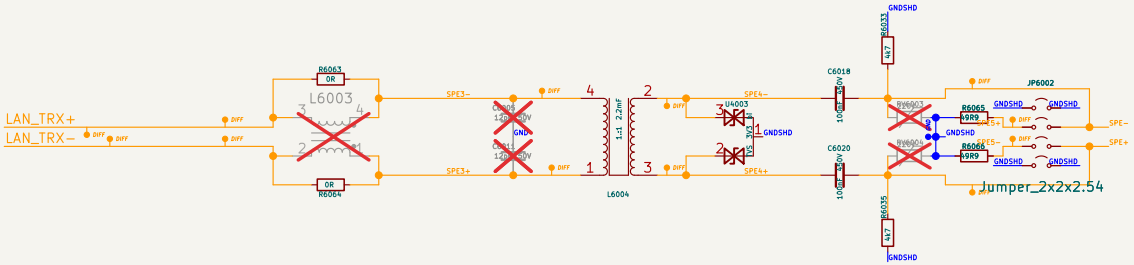
Sheet: /T1L Top/T1L/T1L_Filter/ File: T1L_Filter.kicad_sch	
Title: Pi-HAT++: T1S Filter	
Size: A4	Date: 2026-08-21
KiCad E.D.A. 10.0.3	**Rev: A** Id: 2/8



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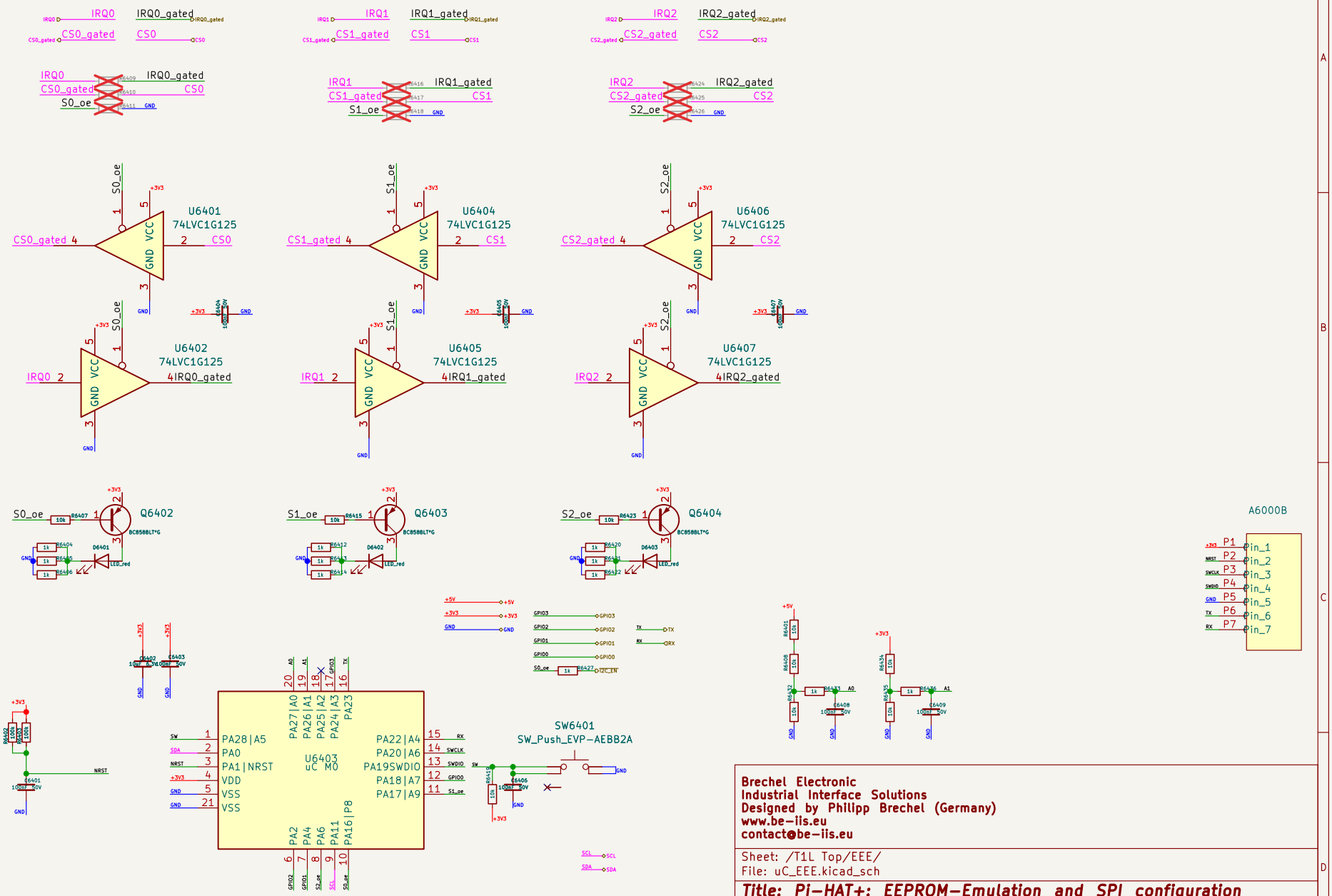
Sheet: /T1L Top/T1L/T1L_Filter1/ File: T1L_Filter.kicad_sch	
Title: Pi-HAT++: T1S Filter	
Size: A4	Date: 2026-08-21
KiCad E.D.A. 10.0.3	**Rev: A** Id: 3/8



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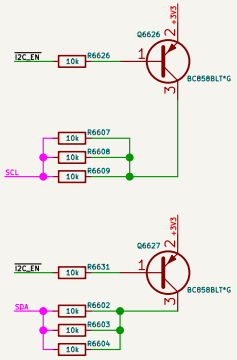
Sheet: /T1L Top/EEE/
File: uC_EEE.kicad_sch

Title: Pi-HAT+: EEPROM-Emulation and SPI configuration

Size: A4	Date: 2026-08-21	**Rev: A**
KiCad E.D.A. 10.0.3		Id: 15/8



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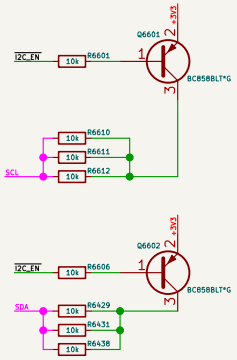
Sheet: /T1L Top/I2C_Pull-Up_EN/
File: I2C_Pull-Up_EN.kicad_sch

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

Size: A4	Date: 2026-08-21	**Rev: A**
KiCad E.D.A. 10.0.3		Id: 33/8



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Sheet: /T1L Top/I2C_Pull-Up_EN1/
File: I2C_Pull-Up_EN.kicad_sch

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

Size: A4	Date: 2026-08-21	**Rev: A**
KiCad E.D.A. 10.0.3		Id: 37/8