host I2C | external VIS/NIR fixture | CERN-OHL-S-2.0

J1
Gadgeteer-I

U1
AS72651-BLGM

U2
AS72652-BLGM

U3
AS72653-BLGM

U4
SST25PF040C-4OI/SN

U5
TCA9517ADGKR

D1
TPD2E2U06DCKR

D2
TPD2E2U06DCKR

J2
FLASH_SERVICE_2X05

R1
4.7k

R2
4.7k

R3
4.7k

R4
4.7k

R5
10k

R6
10k

R7
10k

R8
10k

R9
10k

R10
10k

R11
10k

R12
10k

JP1
0R-programming-isolation

JP2
0R-programming-isolation

JP3
0R-programming-isolation

JP4
0R-programming-isolation

C1
100n

C2
100n

C3
100n

C4
100n

C5
100n

C6
100n

C7
100n

C8
100n

C9
10u

C10
100n

PWR_FLAG

PWR_FLAG

J3

Smoothieware / CERN-OHL-S-2.0	
Sheet: /	
File: spectral-analysis.kicad_sch	
Title: Spectral analysis board	
Size: A2 Quilt 3.3V Date: 2026-09-26	**Rev: v27**
KiCad E.D.A. 9.0.8	Id: 1/1