Connectors

File: C11con.kicad_sch

CPU

File: C11cpu.kicad_sch

LED

File: C11led.kicad_sch

Expander

File: C11exp.kicad_sch

BUS

File: C11bus.kicad_sch

Power

File: C11pwr.kicad_sch

Powerboard

Frank Schumacher

Sheet: /

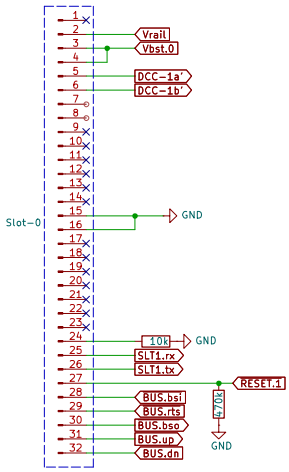
File: C11.kicad_sch

Title: RTB C11 Module

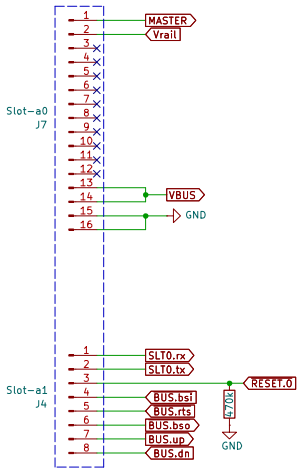
Size: A4	Date: 2023-10-22	**Rev: 4**
KiCad E.D.A. 9.0.4		Id: 1/7

Connector

Slot-0 (booster slot)

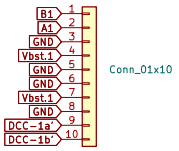


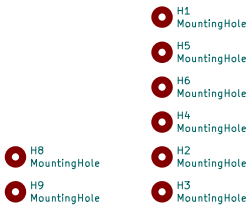
Slot-A (bus master slot)



High current DCC terminal

HDX port



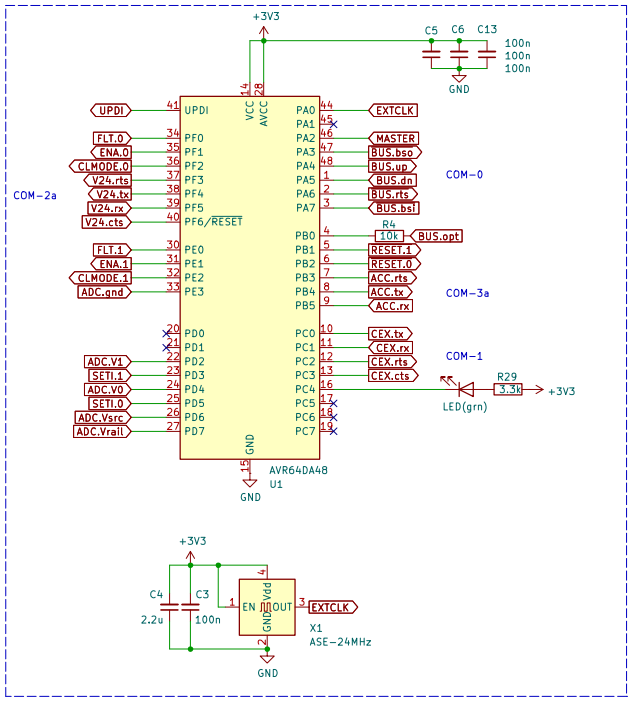


Powerboard
Frank Schumacher
Sheet: /Connectors/
File: C11con.kicad_sch

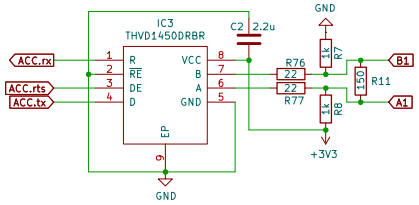
Title: RTB C11 Module

Size: A4	Date: 2023-10-22	**Rev: 4**
KiCad E.D.A. 9.0.4		Id: 2/7

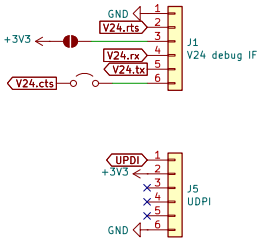
CPU



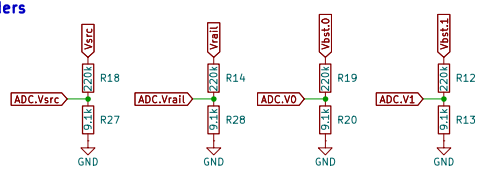
HDX interface



UPDI & Debug IF

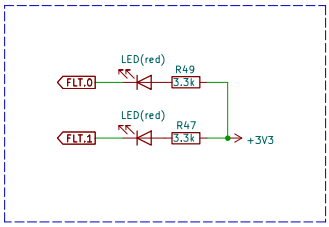


Voltage dividers



Powerboard		
Frank Schumacher		
Sheet: /CPU/		
File: C11cpu.kicad_sch		
Title: RTB C11 Module		
Size: A4	Date: 2023-10-22	**Rev: 4**
KiCad E.D.A. 9.0.4		Id: 3/7

LED



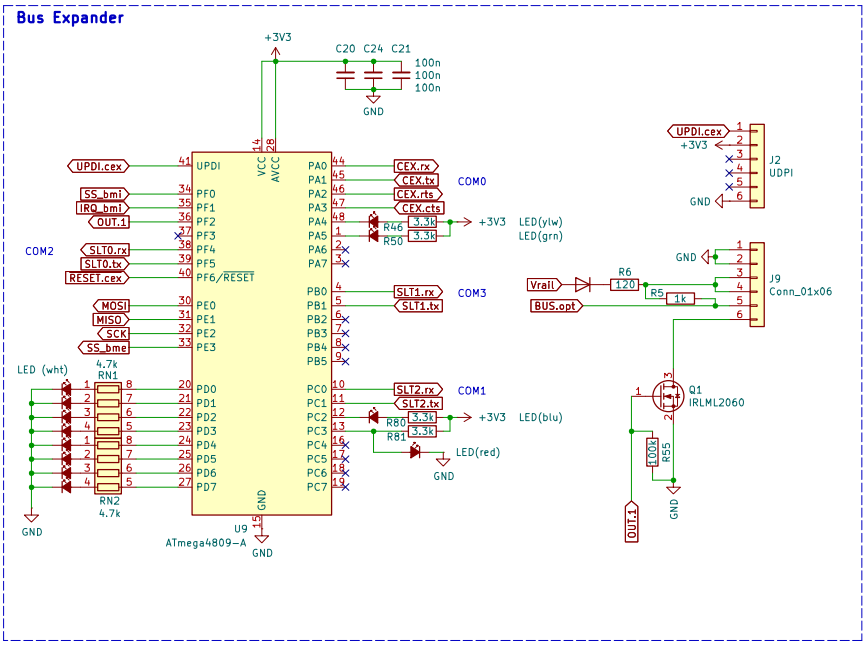
Powerboard
Frank Schumacher
Sheet: /LED/
File: C11led.kicad_sch

Title: RTB C11 Module

Size: A4	Date: 2023-10-22	**Rev: 4**
KiCad E.D.A. 9.0.4		Id: 4/7

Expander

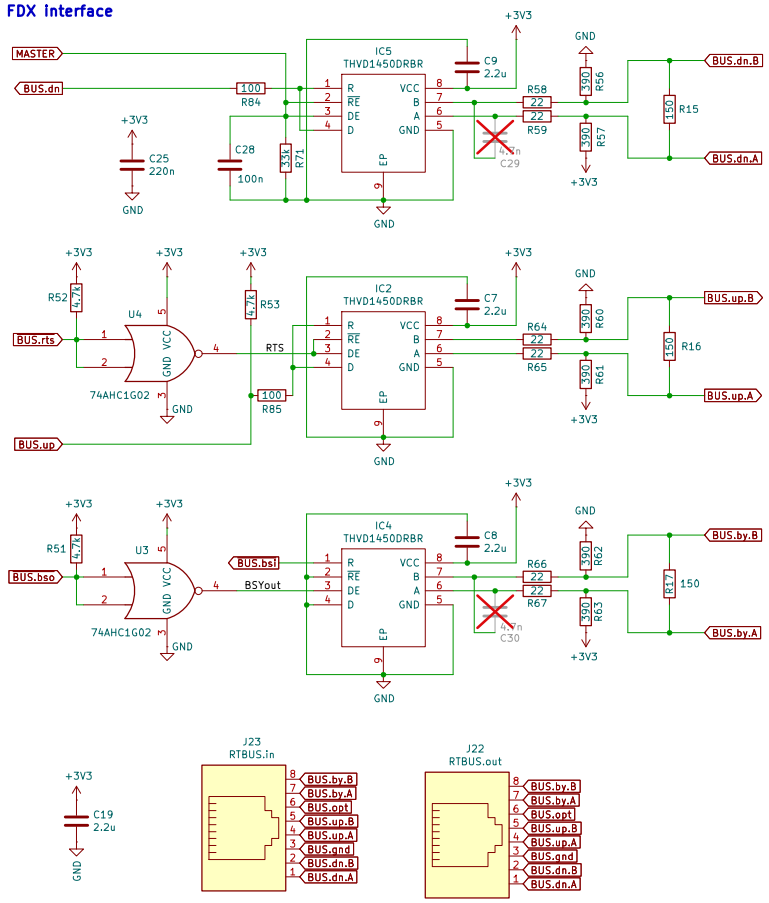
Bus Expander



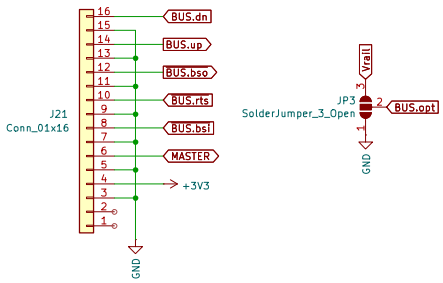
Powerboard		
Frank Schumacher		
Sheet: /Expander/		
File: C11exp.kicad_sch		
Title: RTB C11 Module		
Size: A4	Date: 2023-10-22	**Rev: 4**
KiCad E.D.A. 9.0.4		Id: 5/7

BUS

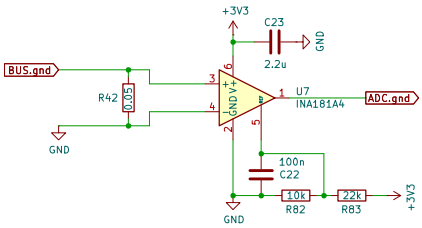
FDX interface



Internal bus extender



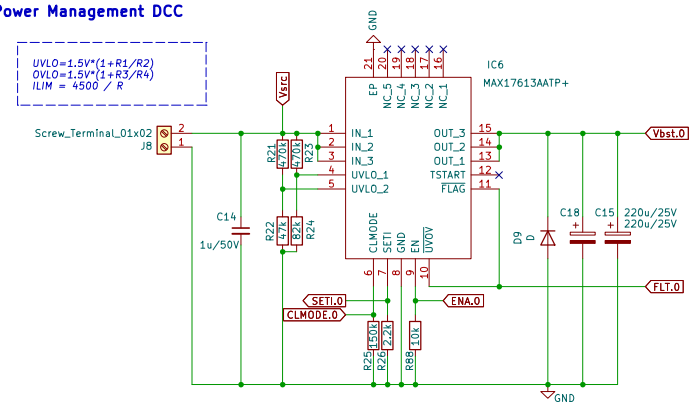
FDX ground loop current sensor



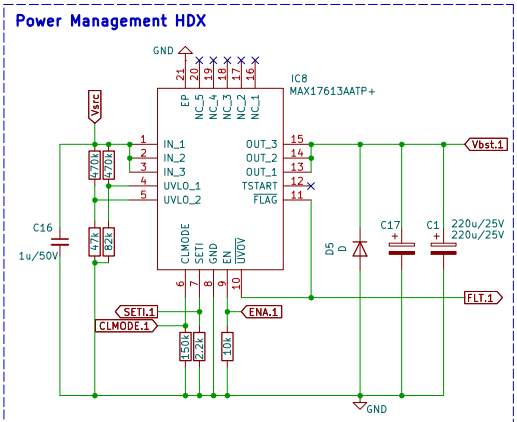
Powerboard		
Frank Schumacher		
Sheet: /BUS/		
File: C11bus.kicad_sch		
Title: RTB C11 Module		
Size: A4	Date: 2023-10-22	**Rev: 4**
KiCad E.D.A. 9.0.4		Id: 6/7

Power

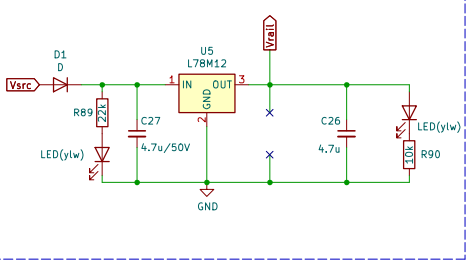
Power Management DCC



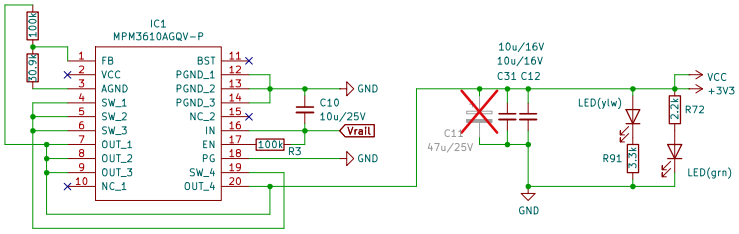
Power Management HDX



Rail Power



Local CPU Power



Powerboard

Frank Schumacher

Sheet: /Power/

File: C11pwr.kicad_sch

Title: RTB C11 Module

Size: A4	Date: 2023-10-22	**Rev: 4**
KiCad E.D.A. 9.0.4		Id: 7/7