Power/I2C — J1

5	SlotBus.Clock	
4	SlotBus.Data	
3		
2	AREF	
1	+3.3V Digital	

PWR_FLAG
GND
PWR_FLAG
PWR_FLAG

GPIO — J3

A0	6
A1	5
A	4
B	3
C	2
LED	1

R1 1k — SW1 SW_Push — +3.3V Digital — A
R2 1k — SW2 SW_Push — +3.3V Digital — B
R3 1k — SW3 SW_Push — +3.3V Digital — A0
R4 1k — SW4 SW_Push — +3.3V Digital — A1

R5 1k — D1 LED — LED — GND

Address — J2

4	Addr3
3	Addr2
2	Addr1
1	Addr0

Type — J4

Typ3	4
Typ2	3
Typ1	2
Typ0	1

Address not relevant
for this block

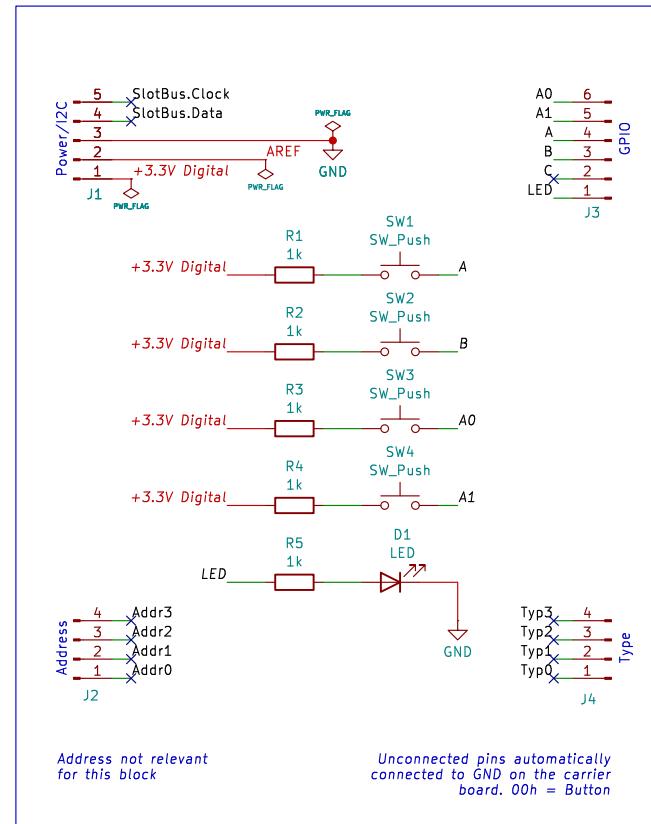Unconnected pins automatically
connected to GND on the carrier
board. 00h = Button

Dennis Schulmeister-Zimolong

Sheet: /
File: Block-Switch-4.kicad_sch
Title: Modular Music Controller / Block / Four Switches
Size: A4   Date: 2025-12-01   Rev: 1
KiCad E.D.A. 9.0.5   Id: 1/1