

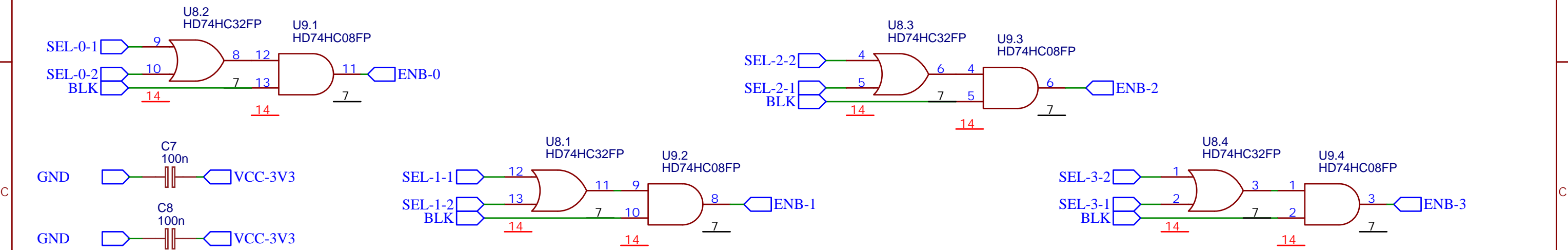
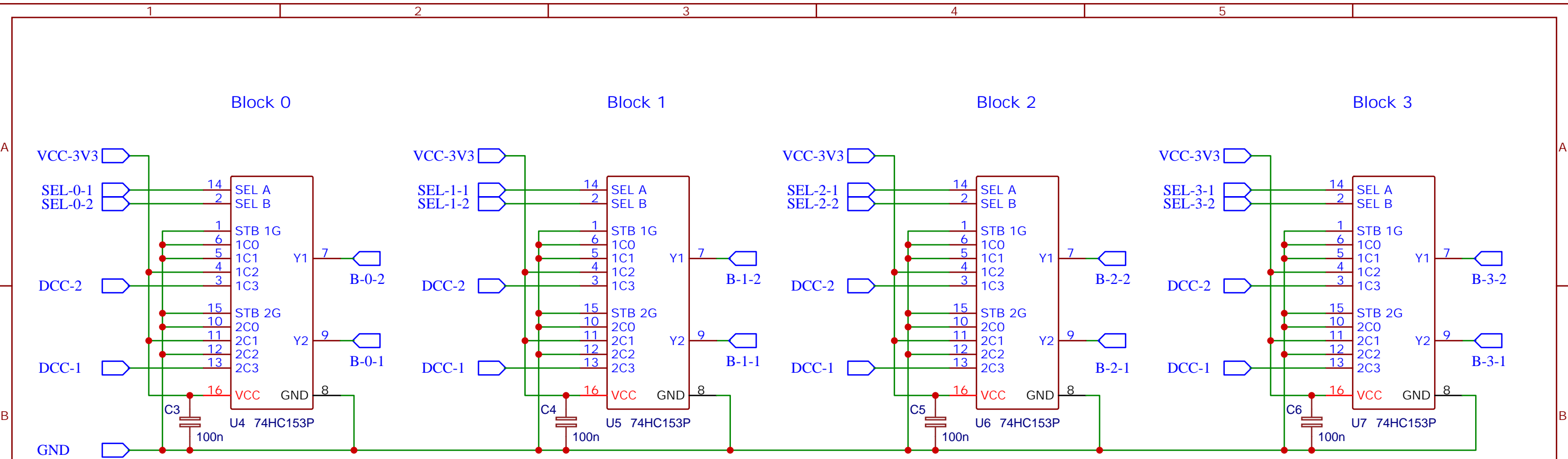
Non-Volatile Memory

Main Controller - RASPBERRY Pi Pico

CAN Bus Line Driver

Level shifters

TITLE: LcsNodes-Block-Quad-Controller Main Controller		REV: B.02.00
	Company: Your Company	Sheet: 2/7
	Date: 24-01-2025 Drawn By: helmut-f	

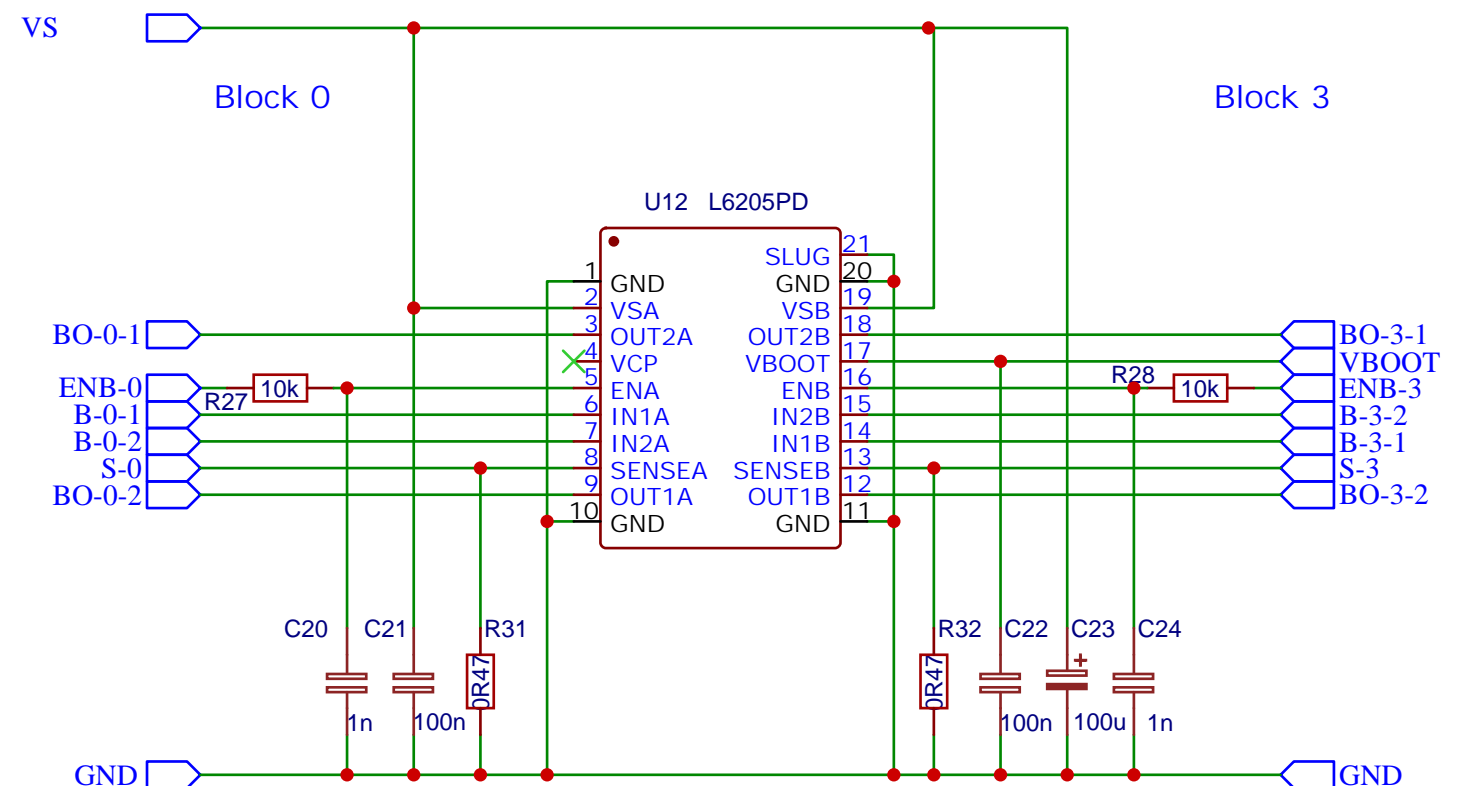
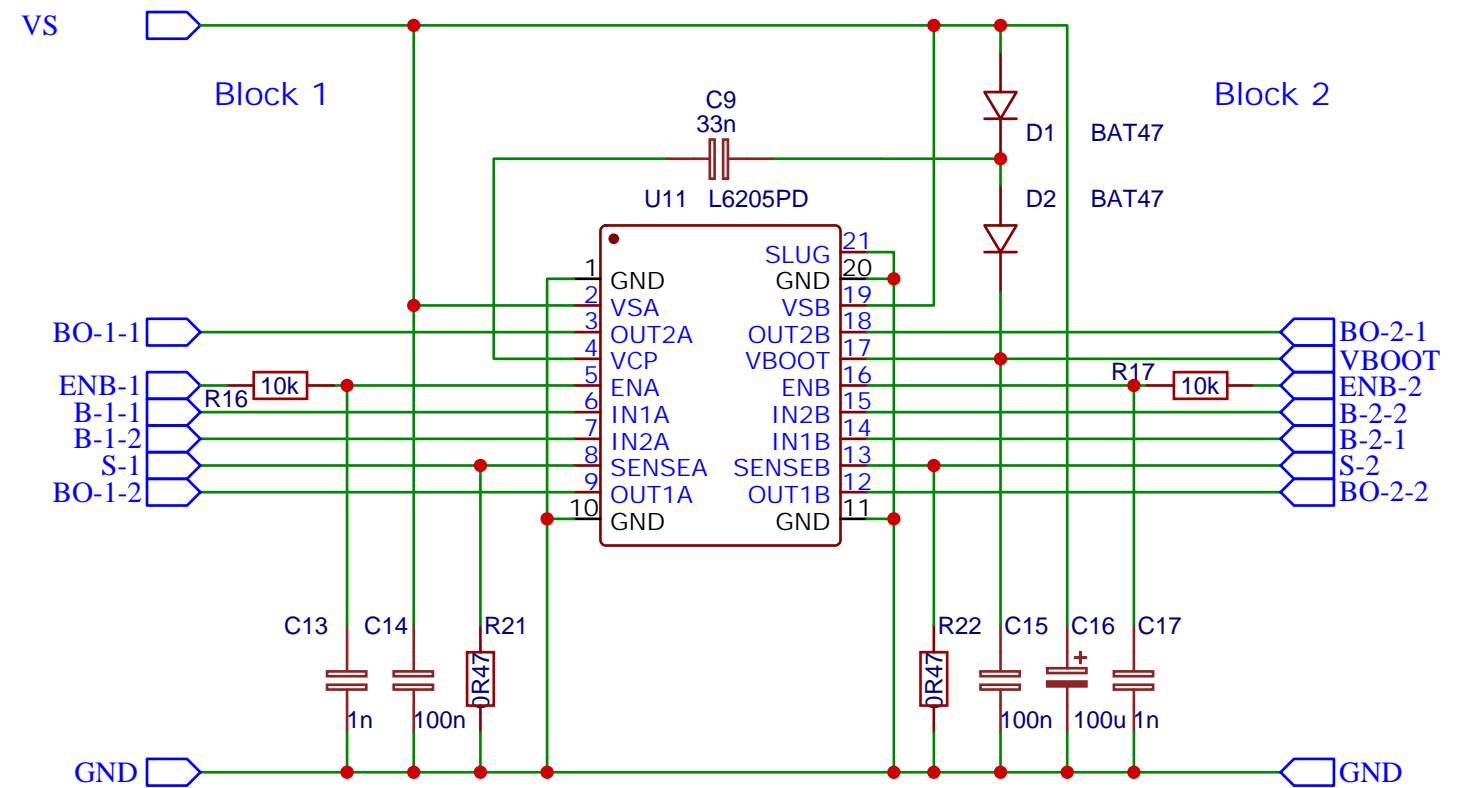
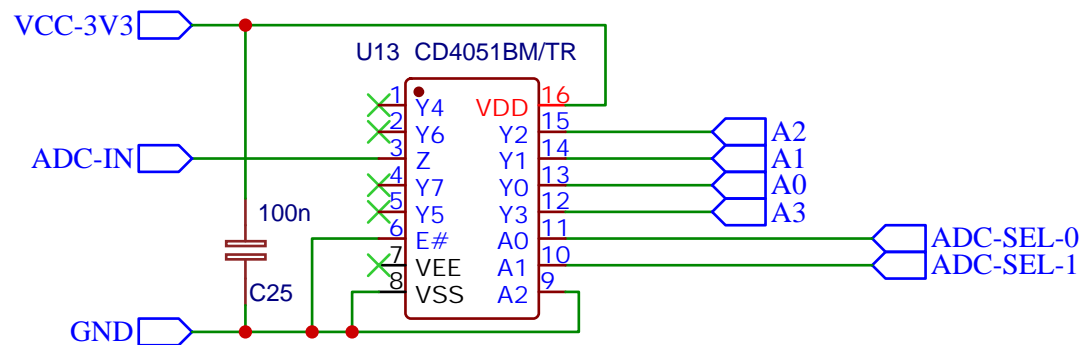
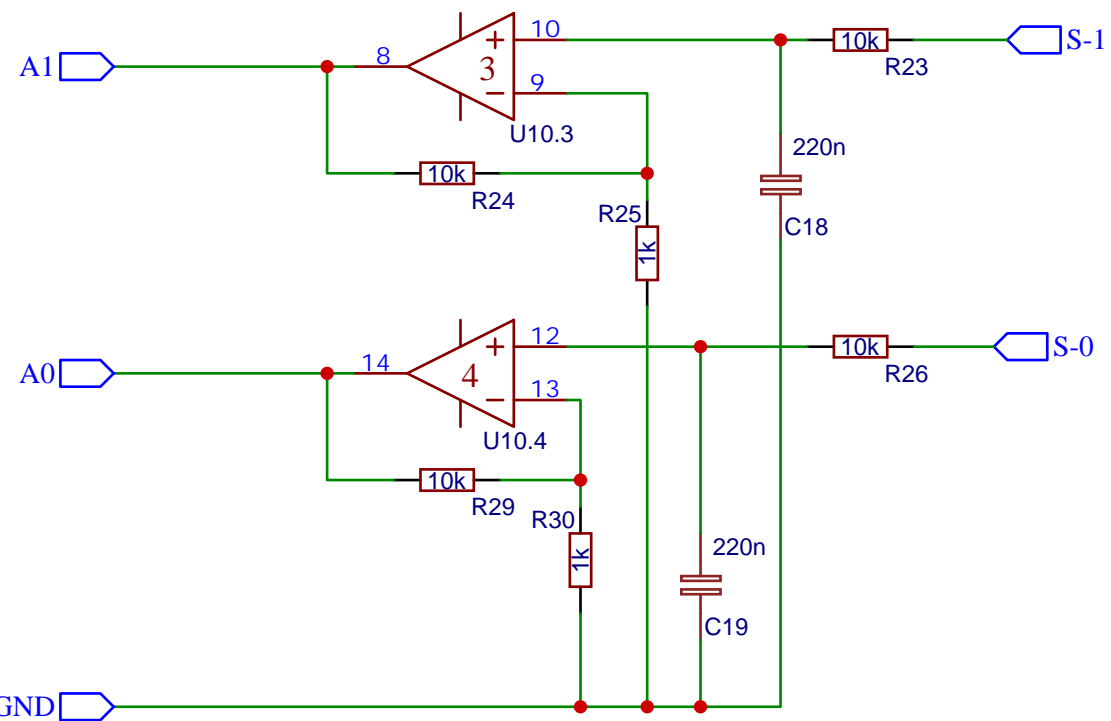
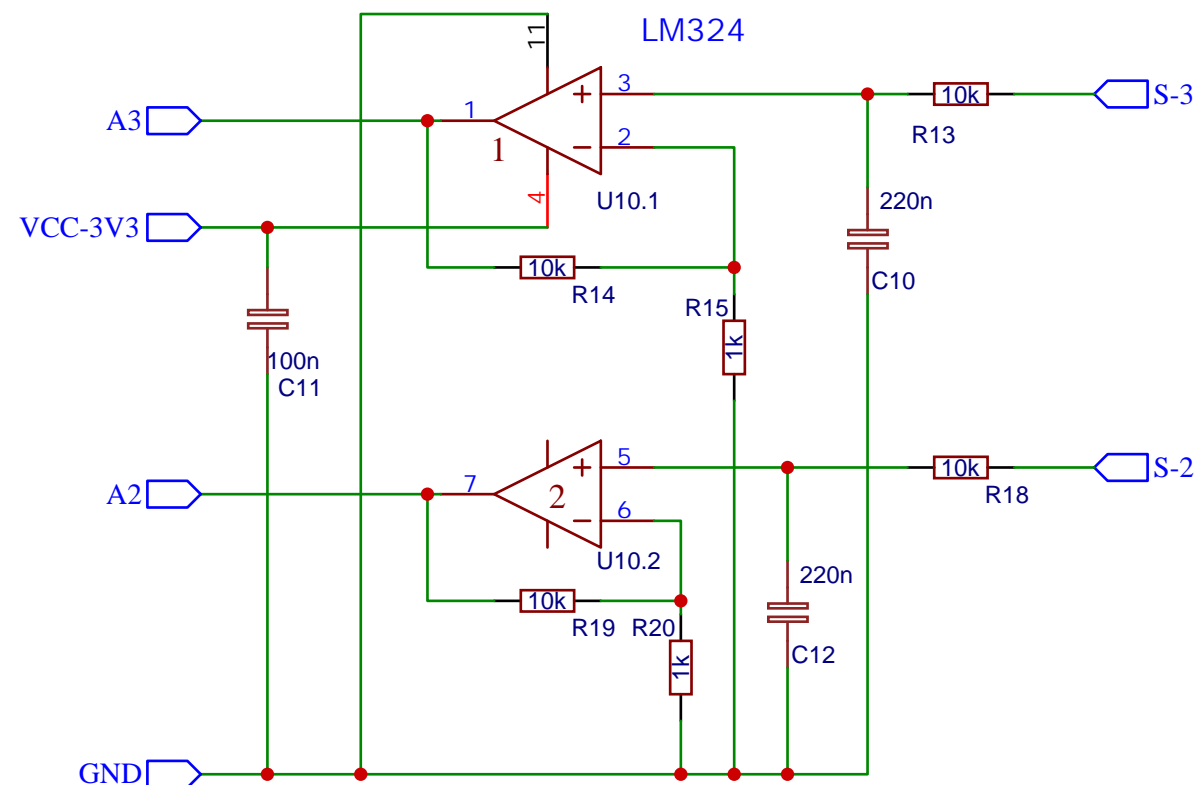


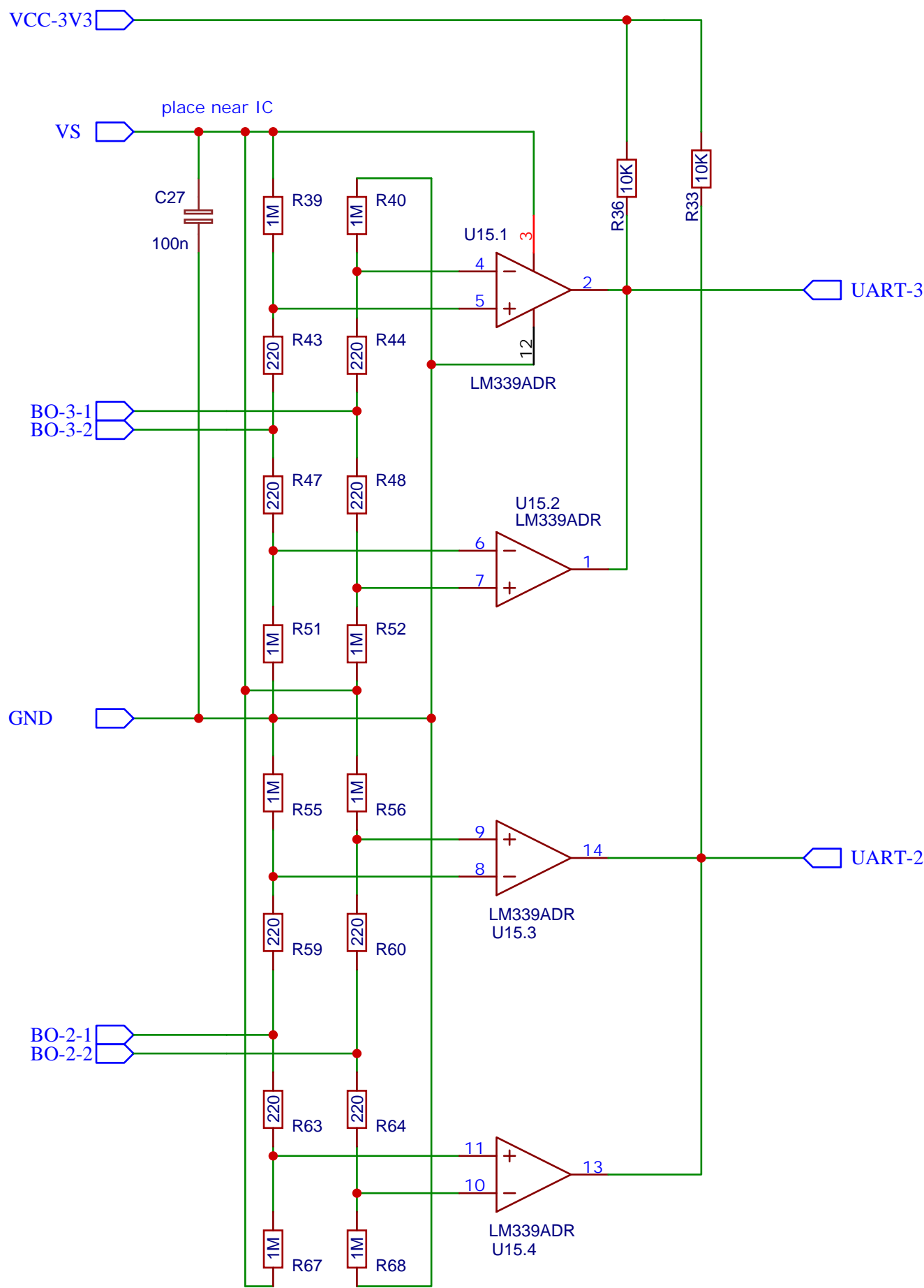
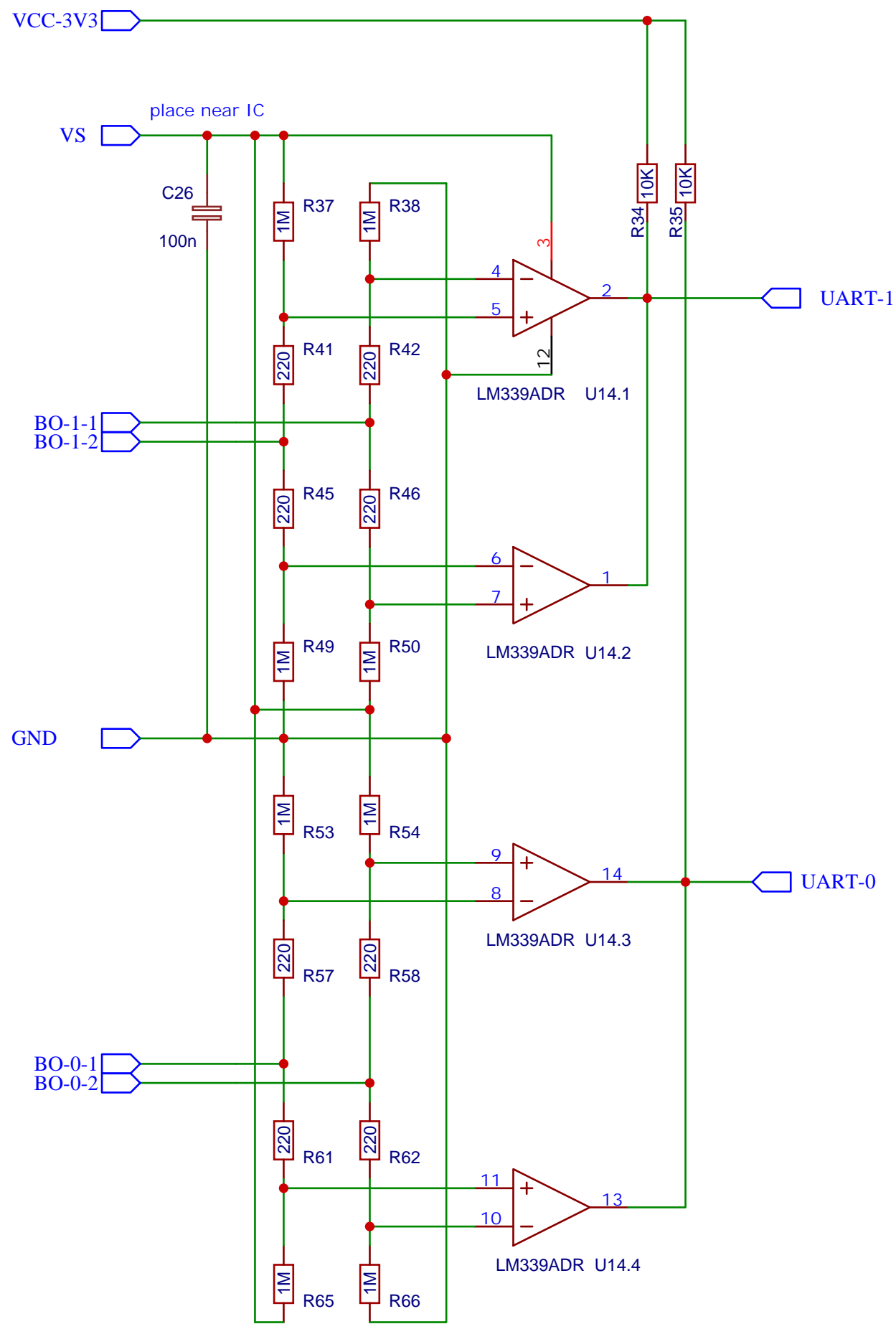
Control Logic Signals:

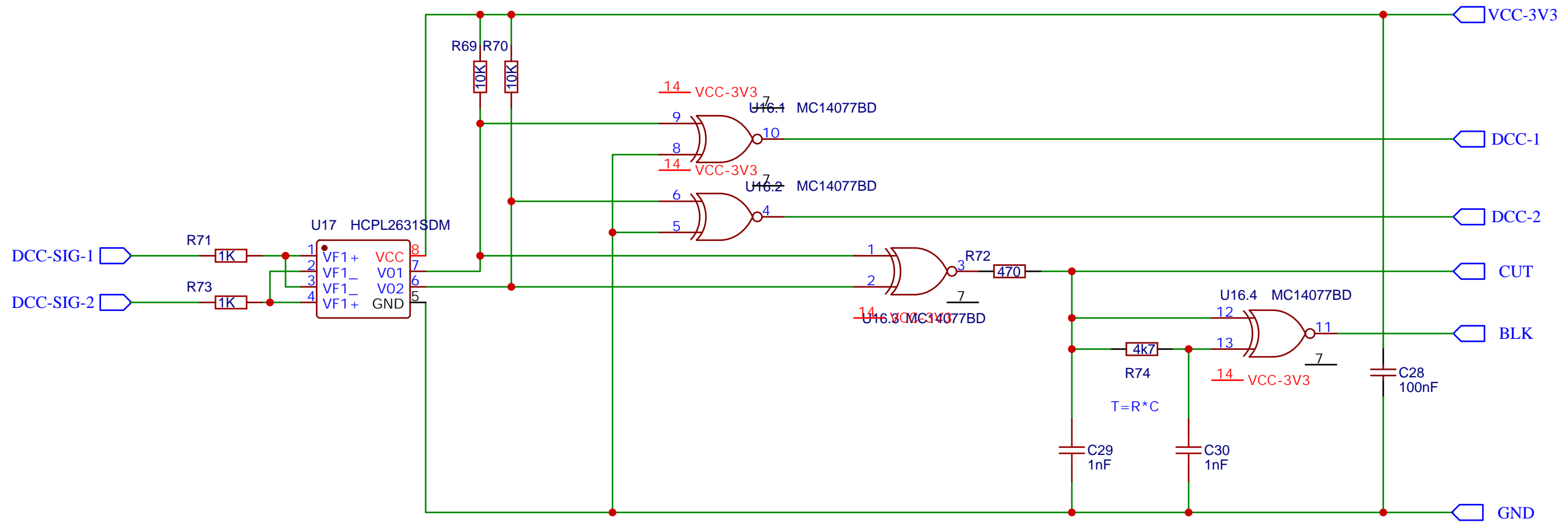
Select -> B-x-1 B-x-2 ENB-x STATE

00	->	GND	GND	GND	"Z"
01	->	VCC	GND	PWM/BLK	"FWD"
10	->	GND	VCC	PWM/BLK	"REV"
11	->	DCC1	DCC2	DCC/BLK	"DCC"

ENB == LOW -> Z

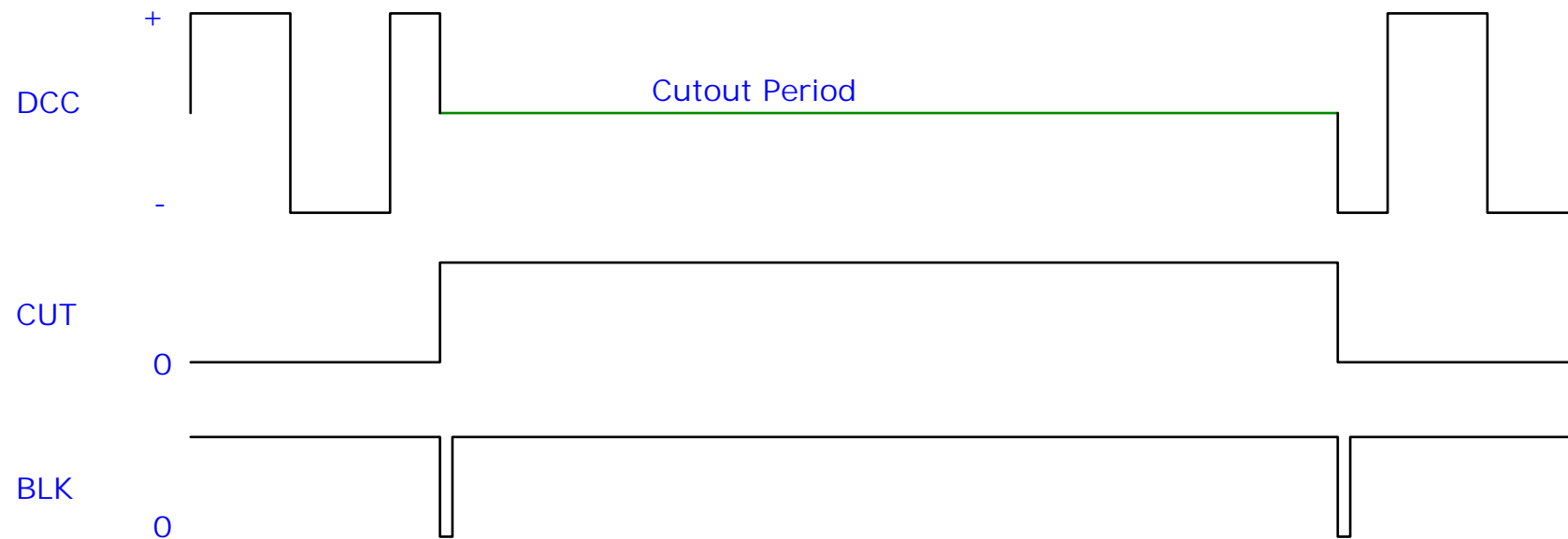






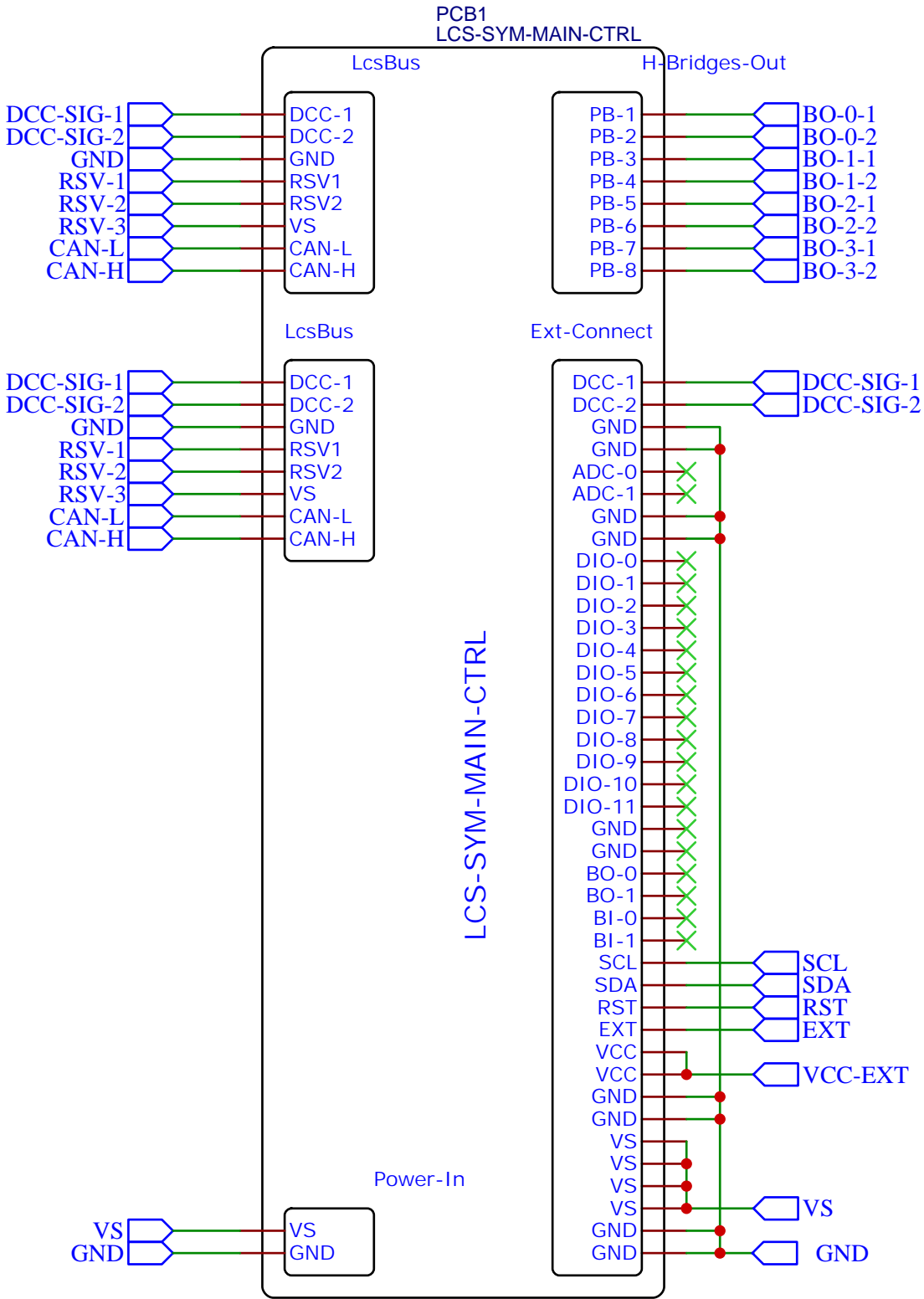
DCC Input:

- 00->CUTOUT
- 01->DCC+
- 10->DCC-

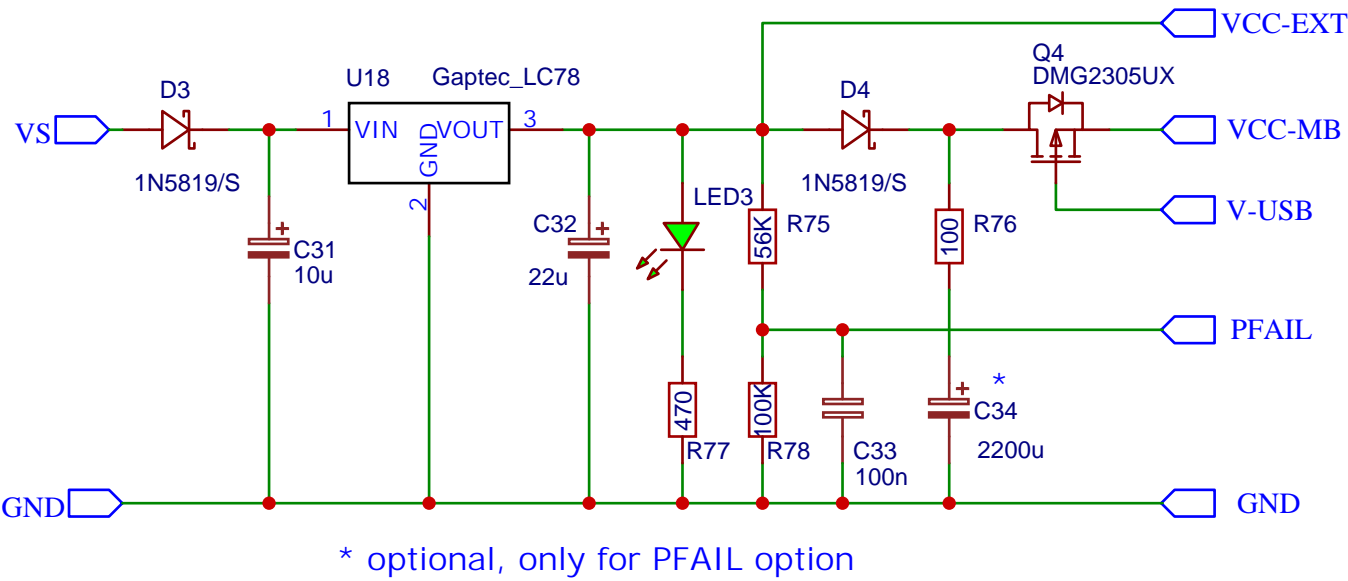


TITLE: LcsNodes-Block-Quad-Controller LCS Bus - DCC Signal Input		REV: B.02.00
	Company: Your Company	Sheet: 6/7
	Date: 24-01-2025 Drawn By: helmut-f	

Block Controller PCB connectors



Power Supply with Powerfail Option



TITLE: LcsNodes-Block-Quad-Controller Power Supply, Connectors		REV: B.02.00
嘉立创EDA	Company: Your Company	Sheet: 7/7
	Date: 24-01-2025	Drawn By: helmut-f