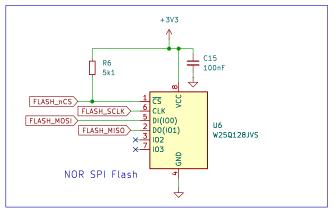
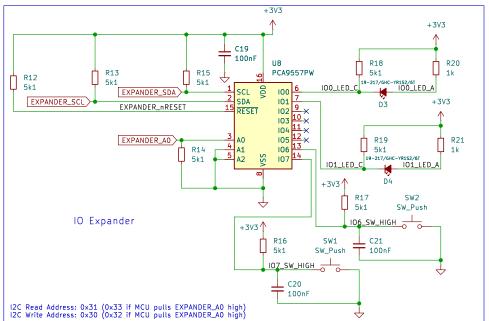


Per LIS3MDL datasheet, 5.1.1 I2C operation

Command	SAD[6:2]	SAD[1] =	SDO/SA1 SAD[0]	R/V	W SAD+R/W
Read	00111	0	0 0 0	1	00111001 (39h)
Write	00111	0		0	00111000 (38h)
Read	00111	1		1	00111101 (3Dh)
Write	00111	1		0	00111100 (3Ch)





Per PCA9557 datasheet, Table 2. Address Reference A2 | A1 | A0 | I2C BUS SLAVE ADDRESS L | L | L | 24 (decimal), 18 (hexadecimal) L | L | H | 25 (decimal), 19 (hexadecimal)

The last bit of the slave address defines the operation (read or write) to be performed. A high (1) selects a read operation, while a low (0) selects a write operation.

Sheet: /Peripherals/ File: peripherals.kicad_sch Title: Size: A4 Date: Rev: KiCad E.D.A. 8.0.0 ld: 3/3