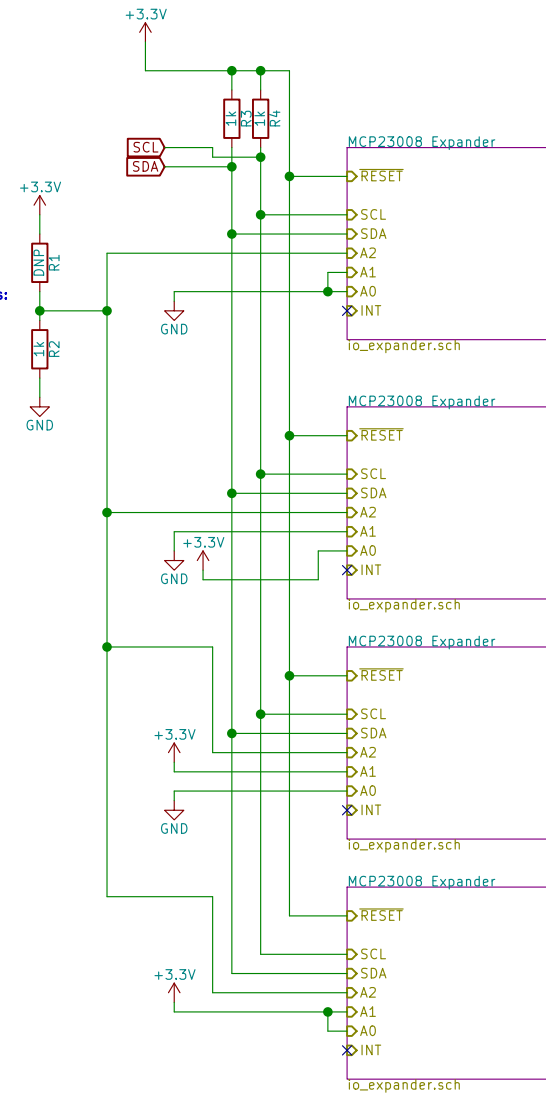
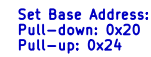


If Making an add-on board. Do not populate regulators.  
Jumper the 3.3V, I2C, and Switch Connectors, de-populate R2, and populate R1.



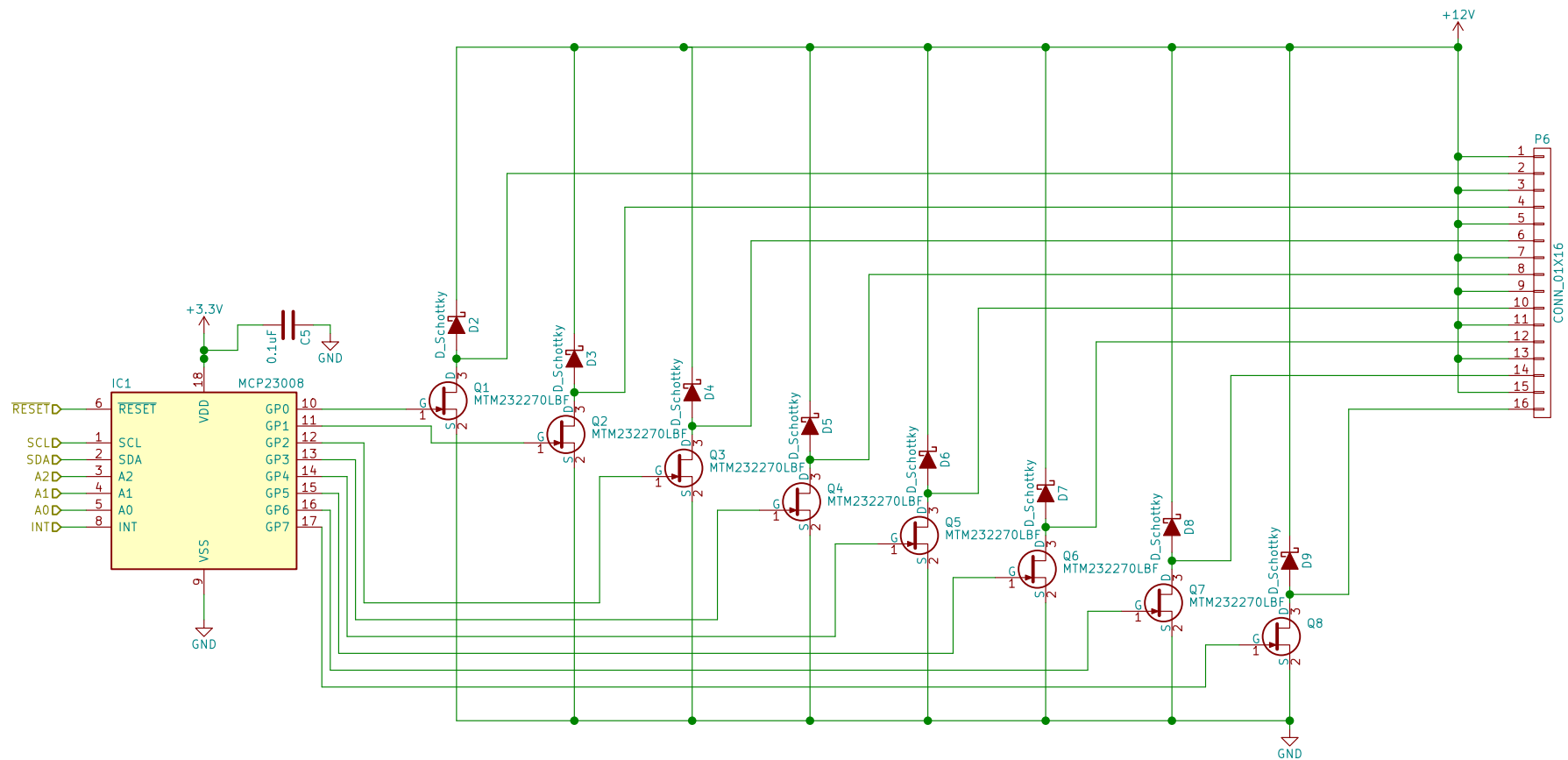
## The Open Bar

Sheet: /  
File: The Open Bar.sch

**Title: The Open Bar Control Board**

Size: A4	Date: 2017-03-21
KiCad E.D.A. kicad 4.0.1-stable	

Rev: C  
Id: 1/5



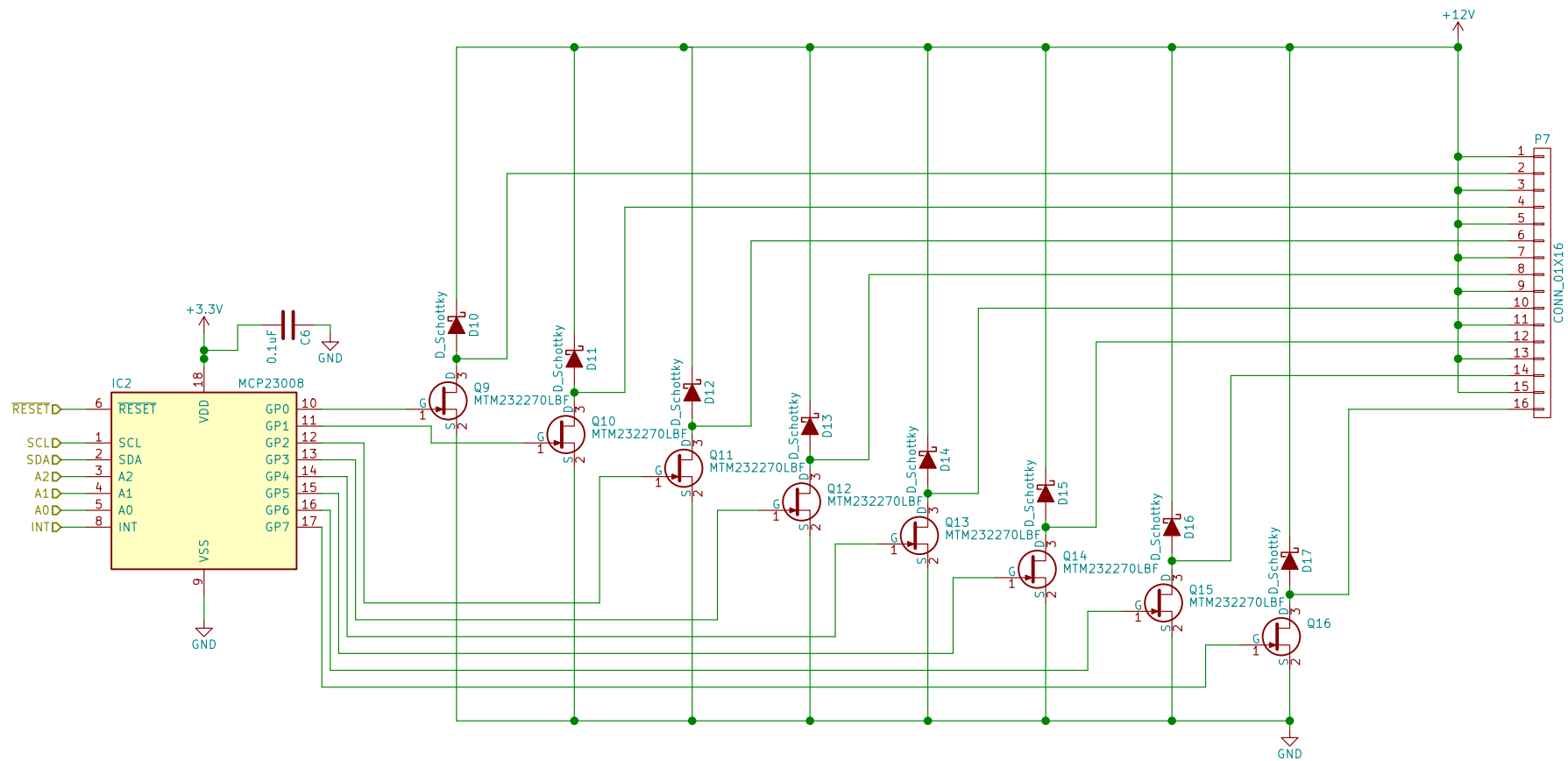
# The Open Bar

Sheet: /MCP23008 Expander/  
File: io\_expander.sch

## Title: The Open Bar Control Board

Size: A4 Date: 2017-03-21  
KiCad E.D.A. kicad 4.0.1-stable

Rev: C  
Id: 2/5



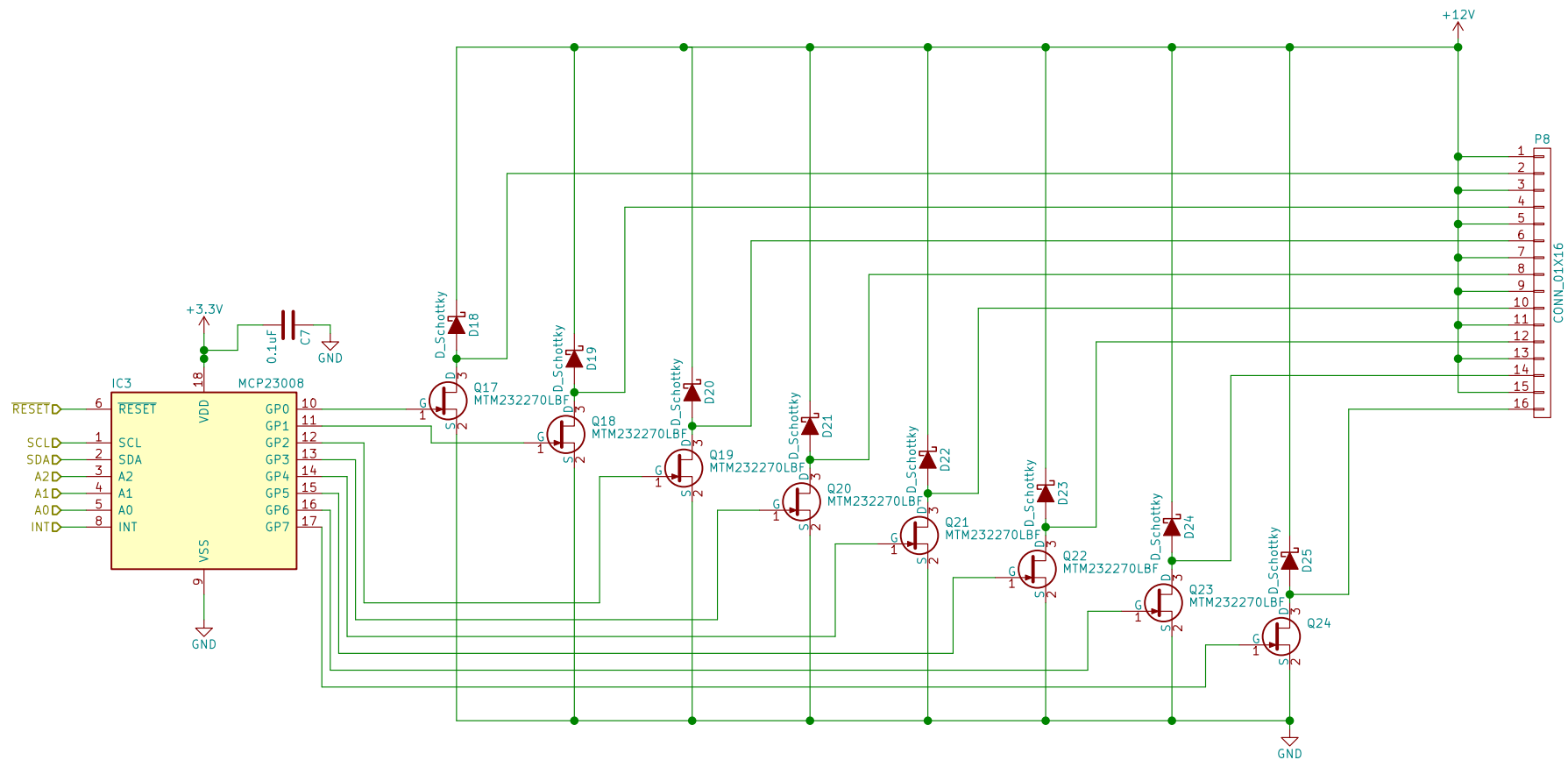
# The Open Bar

Sheet: /MCP23008 Expander/  
File: io\_expander.sch

## Title: The Open Bar Control Board

Size: A4 Date: 2017-03-21  
KiCad E.D.A. kicad 4.0.1-stable

Rev: C  
Id: 3/5



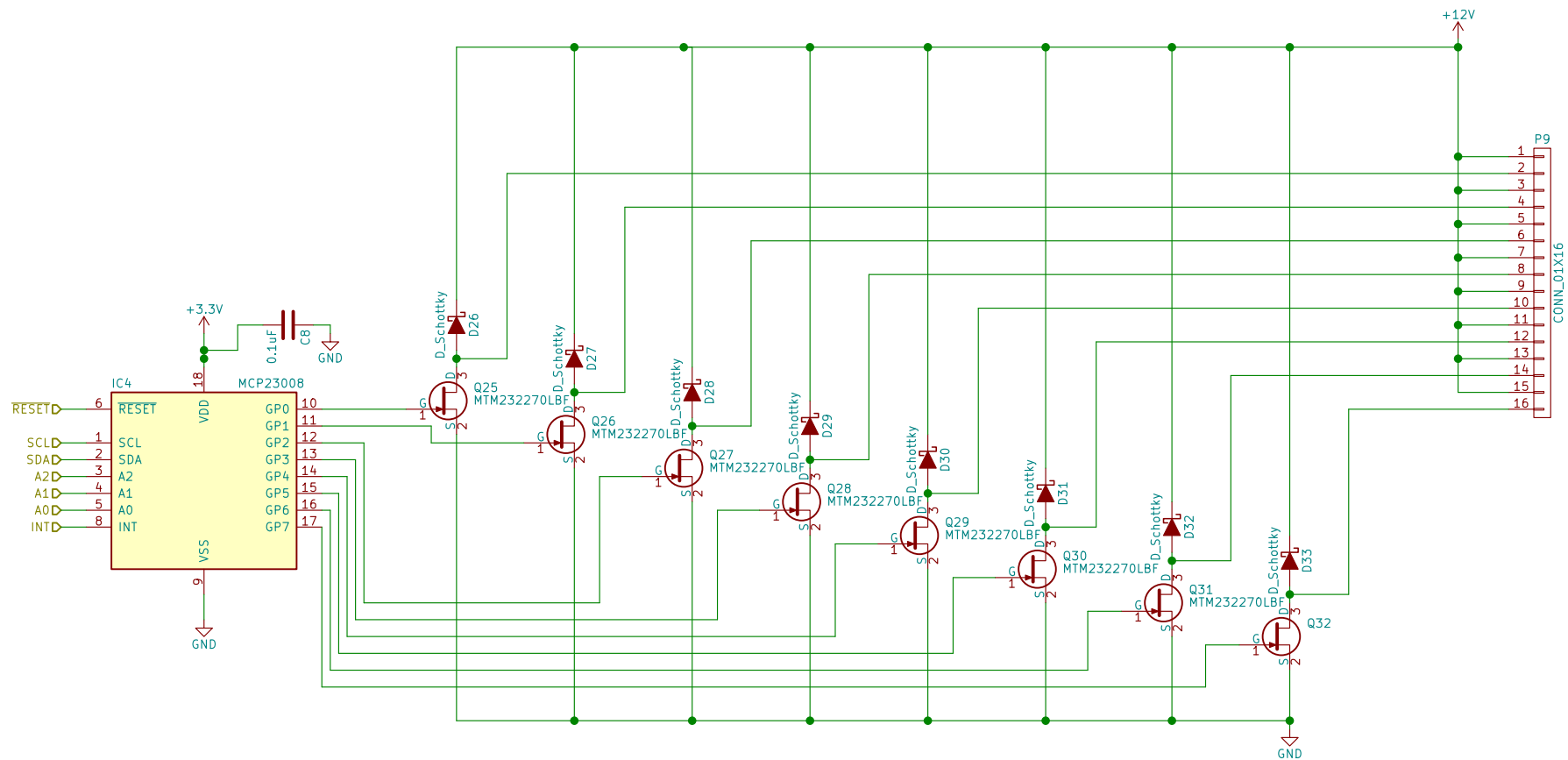
# The Open Bar

Sheet: /MCP23008 Expander/  
File: io\_expander.sch

## Title: The Open Bar Control Board

Size: A4 Date: 2017-03-21  
KiCad E.D.A. kicad 4.0.1-stable

Rev: C  
Id: 4/5



# The Open Bar

Sheet: /MCP23008 Expander/  
File: io\_expander.sch

## Title: The Open Bar Control Board

Size: A4 Date: 2017-03-21  
KiCad E.D.A. kicad 4.0.1-stable

Rev: C  
Id: 5/5