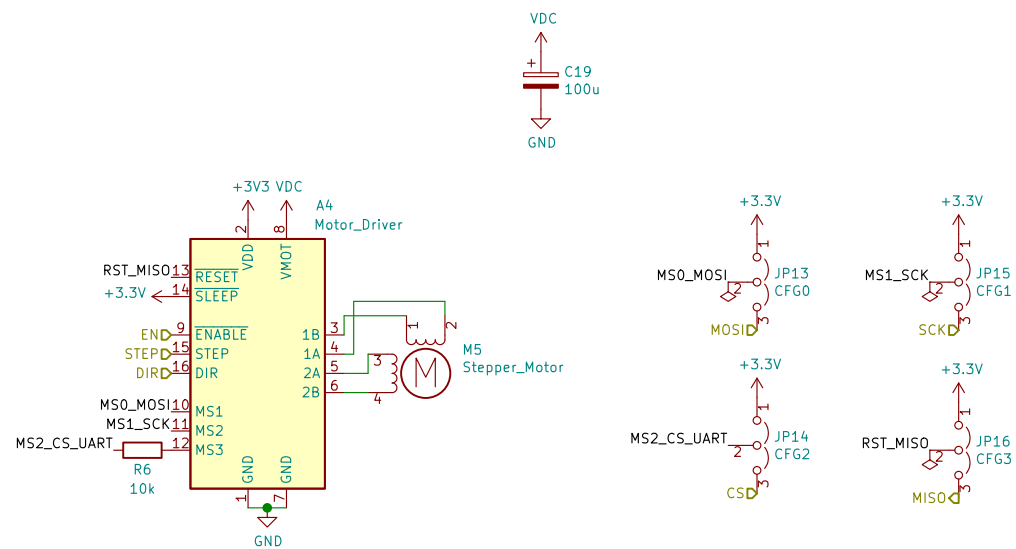


Sheet: /motor\_control/Motor Z/  
File: motor.sch

# Title: Motor

Size: A4 Date: 2021-02-19  
KiCad E.D.A. eeschema 5.1.9+dfsg1-1bpo10+1

Rev: 003  
Id: 4/16



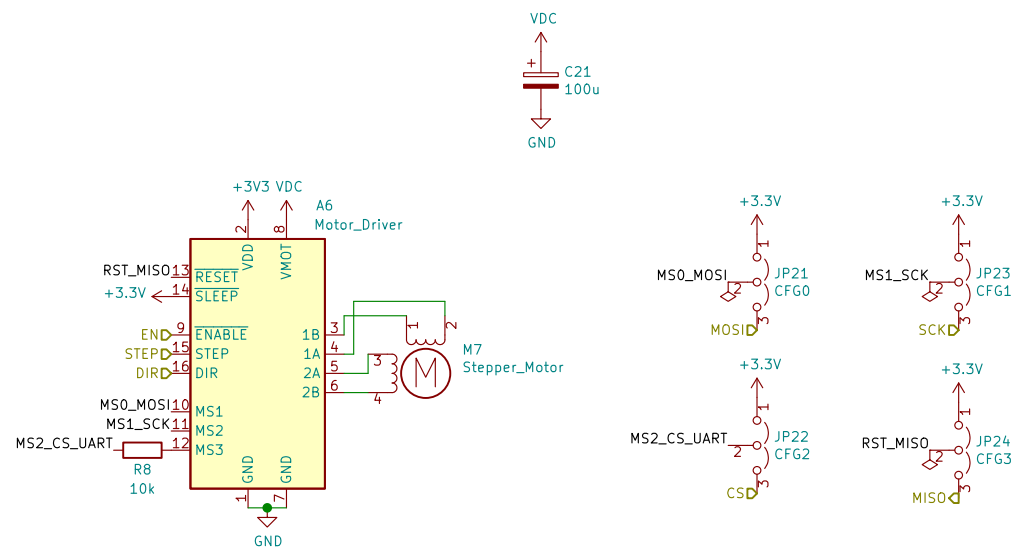
Sheet: /motor\_control/Motor Head 1/  
File: motor.sch

# **Title: Motor**

Size: A4 Date: 2021-02-19  
KiCad E.D.A. eeschema 5.1.9+dfsg1-1bpo10+1

**Rev: 003**  
Id: 5/16

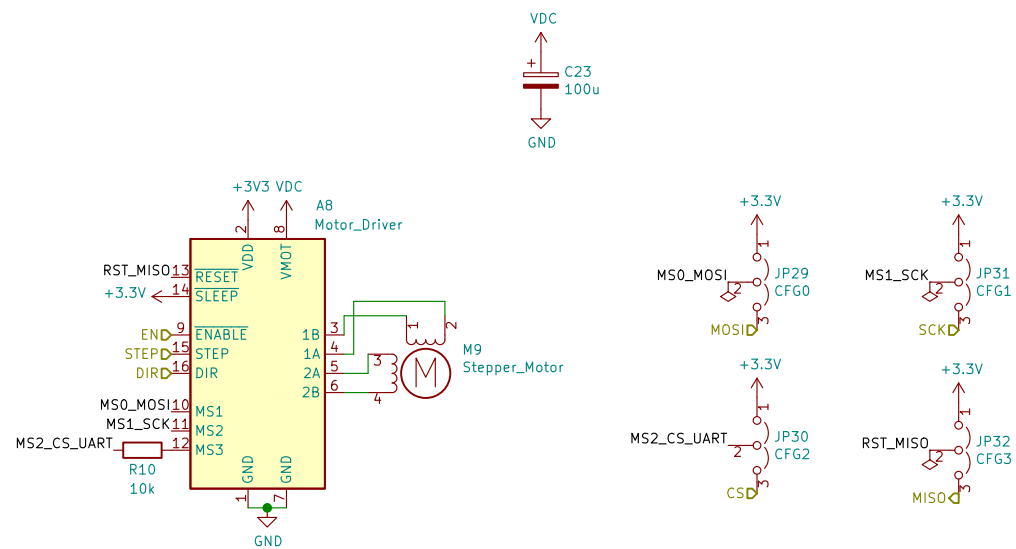




Sheet: /motor\_control/Motor Conveyor/  
File: motor.sch

# **Title: Motor**

Size: A4	Date: 2021-02-19	Rev: 003
KiCad E.D.A. eeschema 5.1.9+dfsg1-1bpo10+1		Id: 7/16



Sheet: /motor\_control/Motor Paste/  
File: motor.sch

# **Title: Motor**

Size: A4	Date: 2021-02-19	Rev: 003
KiCad E.D.A. eeschema 5.1.9+dfsg1-1bpo10+1		Id: 8/16



# Limit Switches

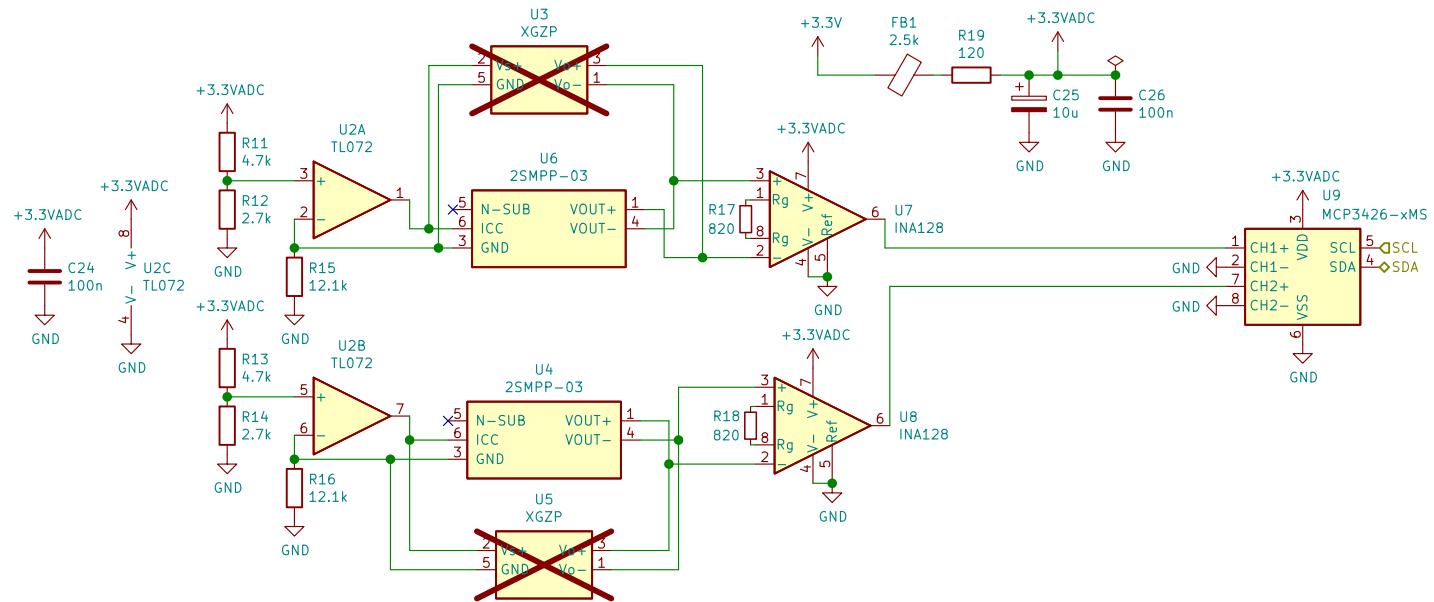
GND 3 J4  
+3.3V 2 X\_LIMIT  
X\_LIMIT 1

GND 3 J5  
+3.3V 2 Y\_LIMIT  
Y\_LIMIT 1

GND 3 J6  
+3.3V 2 Z\_LIMIT  
Z\_LIMIT 1

GND 3 J8  
+3.3V 2 C\_LIMIT  
C\_LIMIT 1

GND 3 J10  
+3.3V 2 P\_LIMIT  
P\_LIMIT 1

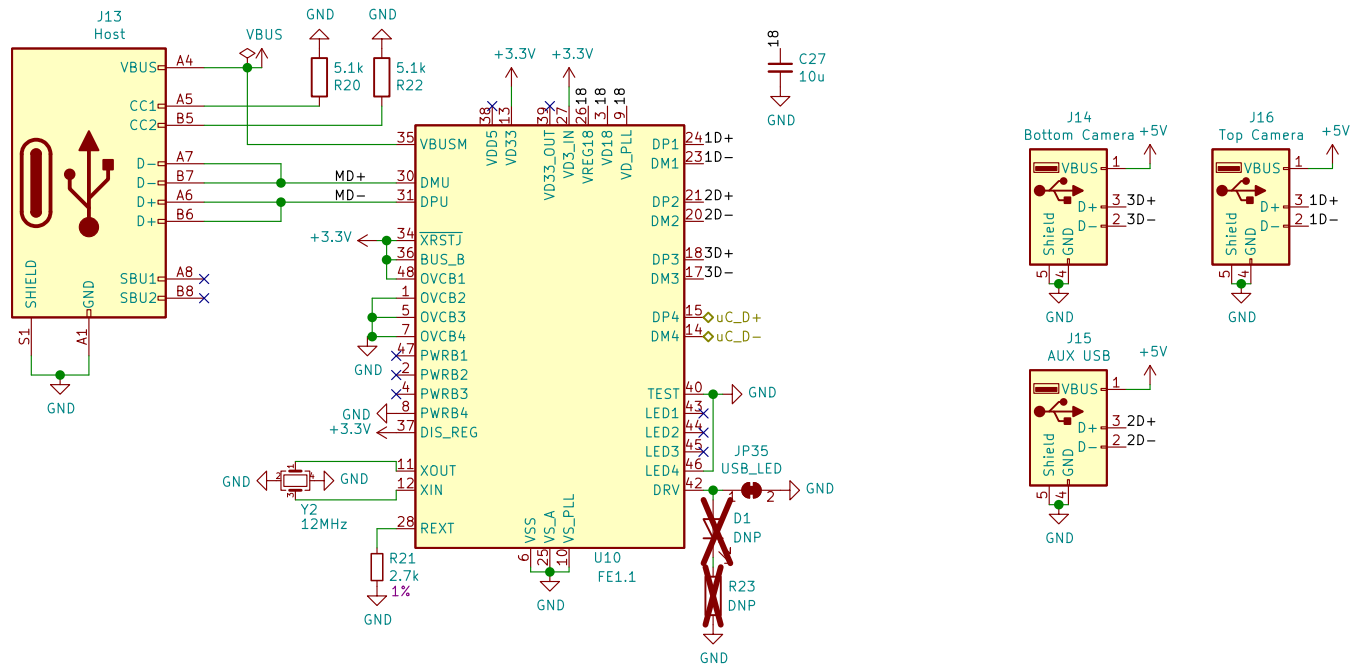


Sheet: /misc\_input/  
File: misc\_input.sch

**Title: Index Mobo**

Size: A4 Date: 2021-02-19  
KiCad E.D.A. eeschema 5.1.9+dfsg1-1bpo10+1

Rev: 003  
Id: 9/16



Sheet: /usb/  
File: usb.sch

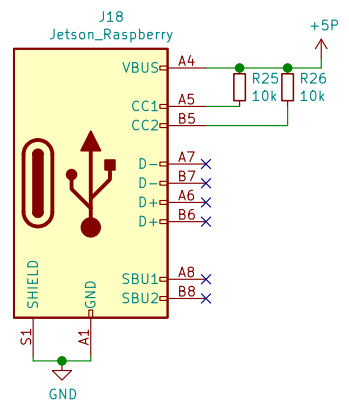
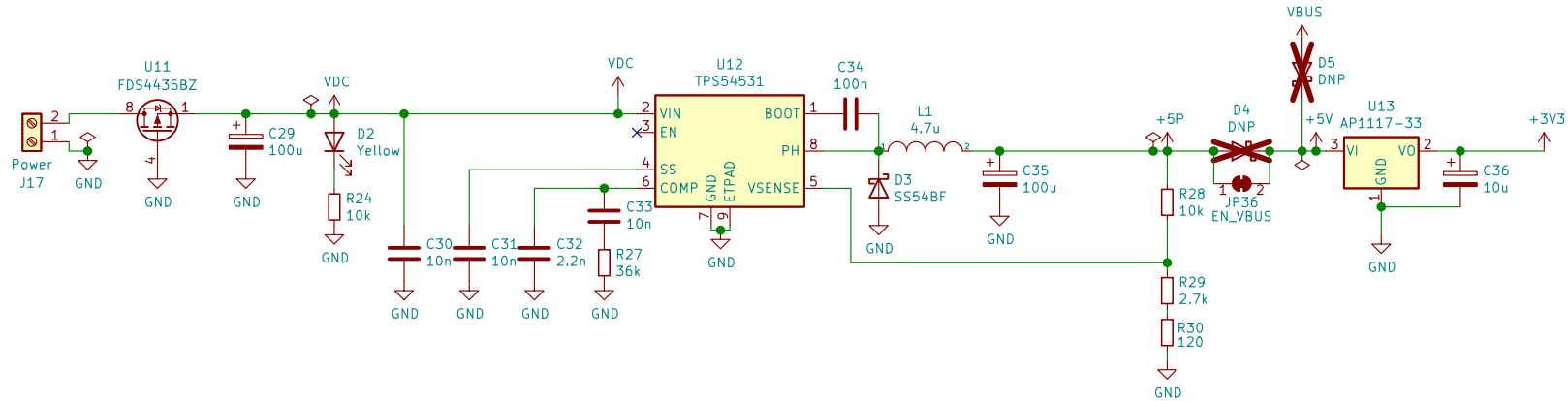
# **Title: Index Mobo**

Size: A4  
KiCad E.D.A. eeschema 5.1.9+dfsg1-1bpo10+1

Date: 2021-02-19

Rev: 003

Id: 10/16



Sheet: /power/	
File: power.sch	
<b>Title: Power</b>	
Size: A4	Date: 2021-02-19
KiCad E.D.A. eeschema 5.1.9+dfsg1-1bpo10+1	Rev: 003
Id: 11/16	

Sheet: Mosfet 1  
MOSFET1\_END > MOSFET\_EN  
File: mosfet.sch

Sheet: sheet603D334C  
MOSFET2\_END > MOSFET\_EN  
File: mosfet.sch

Sheet: sheet603D5C79  
MOSFET3\_END > MOSFET\_EN  
File: mosfet.sch

Sheet: sheet603D8582  
MOSFET4\_END > MOSFET\_EN  
File: mosfet.sch

GND < 3 J20  
+3.3V < 2 SERV01  
SERV01\_SIG < 1

+5V < 3 J21  
GND < 2 SERV02  
SERV02\_SIG < 1

GND < 3 J22  
+5V < 2 DOWNWARDS\_LIGHT  
DOWNWARDS\_LIGHT\_SIG < 1

GND < 3 J23  
+5V < 2 UPWARDS\_LIGHT  
UPWARDS\_LIGHT\_SIG < 1

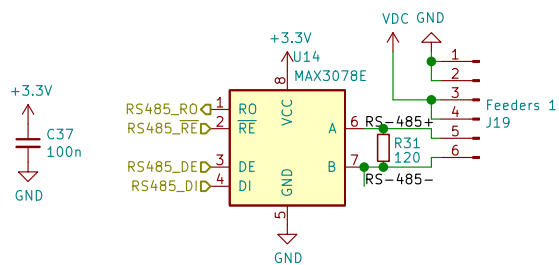
VDC < 1  
GND < 2  
+3.3V < 3  
+5V < 4  
SCL < 5  
SDA < 6  
MISO < 7  
MOSI < 8  
SCK < 9  
AUX-I01 < 10 J26  
AUX-I02 < 11 AUX  
AUX-I03 < 12  
AUX-I04 < 13  
AUX-I05 < 14  
AUX-I06 < 15  
AUX-I07 < 16  
AUX-I08 < 17  
AUX-I09 < 18  
AUX-I010 < 19  
AUX-I011 < 20

SCL < 4 J24  
SDA < 3 QWIIC1  
+3.3V < 2  
GND < 1

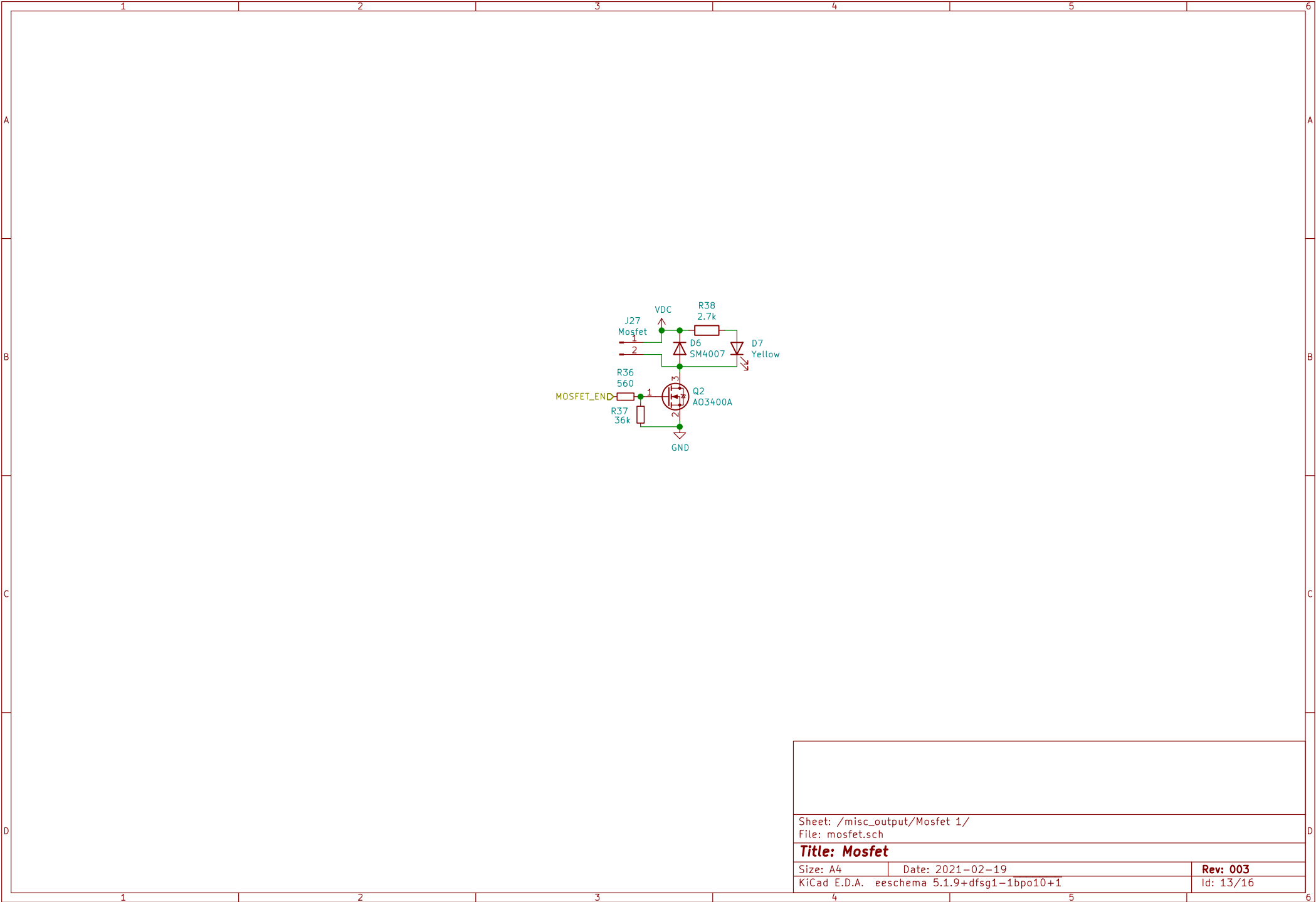
SCL < 4 J25  
SDA < 3 QWIIC2  
+3.3V < 2  
GND < 1

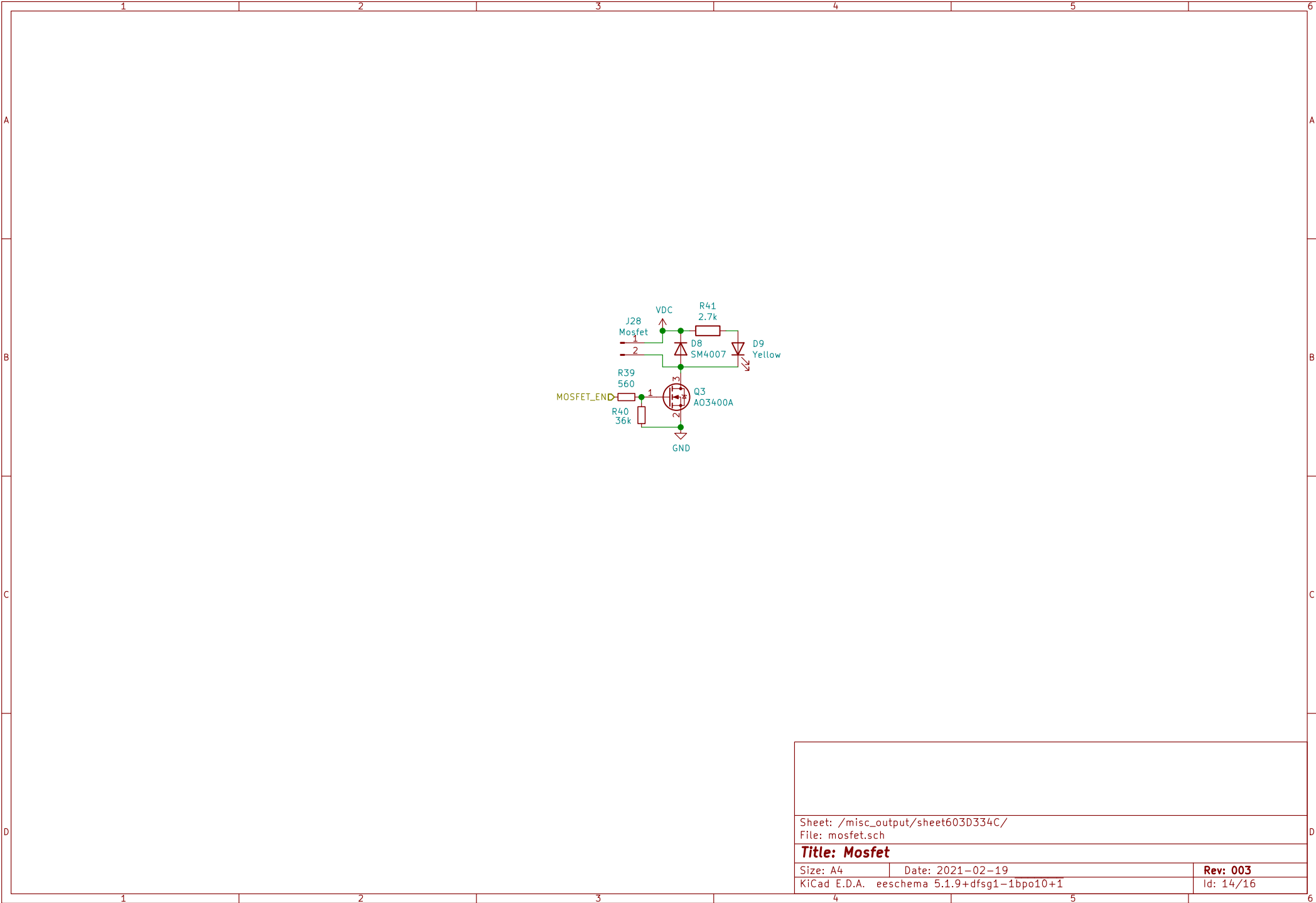
+3.3V < 1 R34  
4.7k < 2 SCL

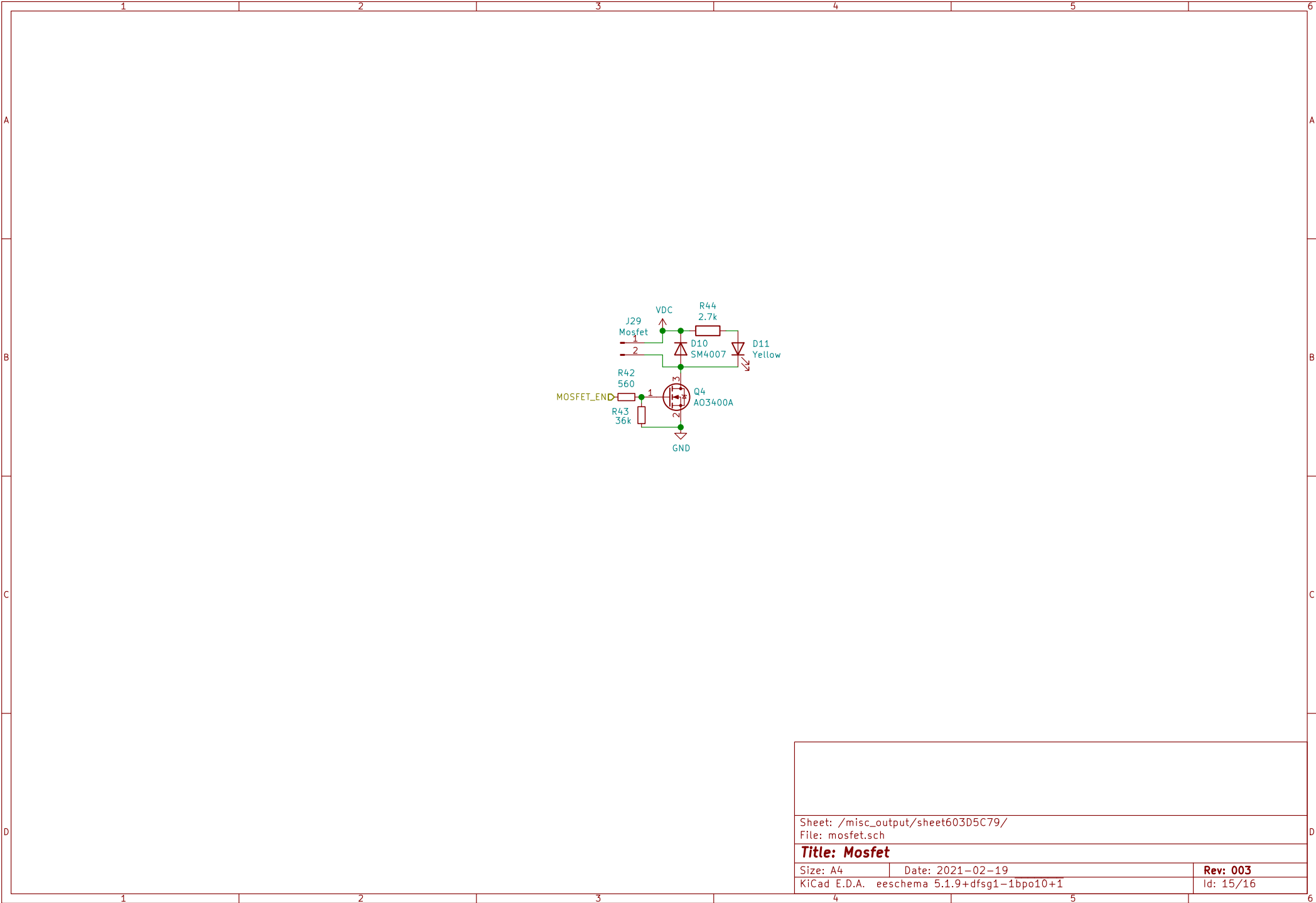
+3.3V < 1 R35  
4.7k < 2 SDA



Sheet: /misc_output/ File: misc_output.sch	
<b>Title: Output</b>	
Size: A4	Date: 2021-02-19
KiCad E.D.A. eeschema 5.1.9+dfsg1-1bpo10+1	Rev: 003 Id: 12/16







Sheet: /misc\_output/sheet603D5C79/  
File: mosfet.sch

**Title: Mosfet**

Size: A4 Date: 2021-02-19

KiCad E.D.A. eeschema 5.1.9+dfsg1-1bpo10+1

Rev: 003

Id: 15/16

