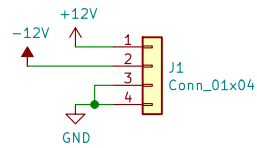
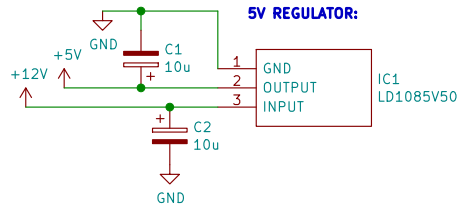


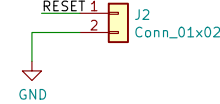
# POWER SUPPLY INPUT:



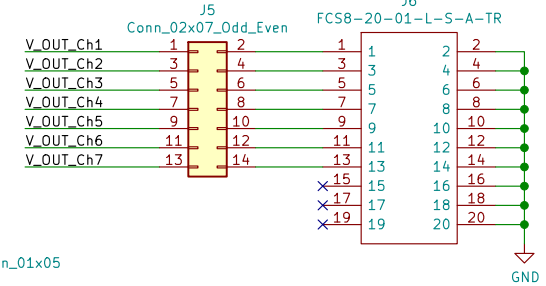
# 5V REGULATOR:



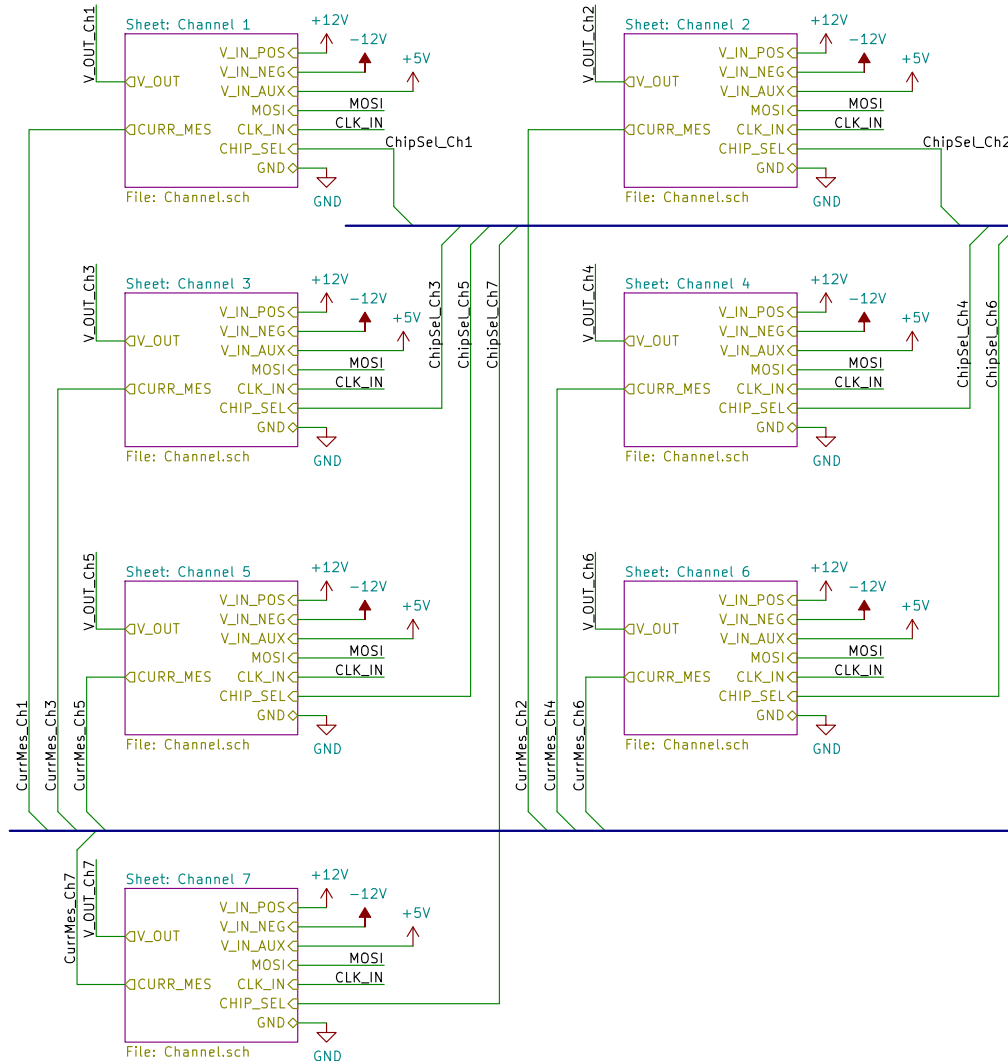
# ARDUINO RESET BUTTON:



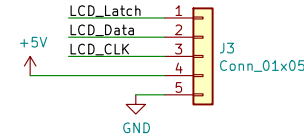
# MULTIPLE VOLTAGE OUTPUT:



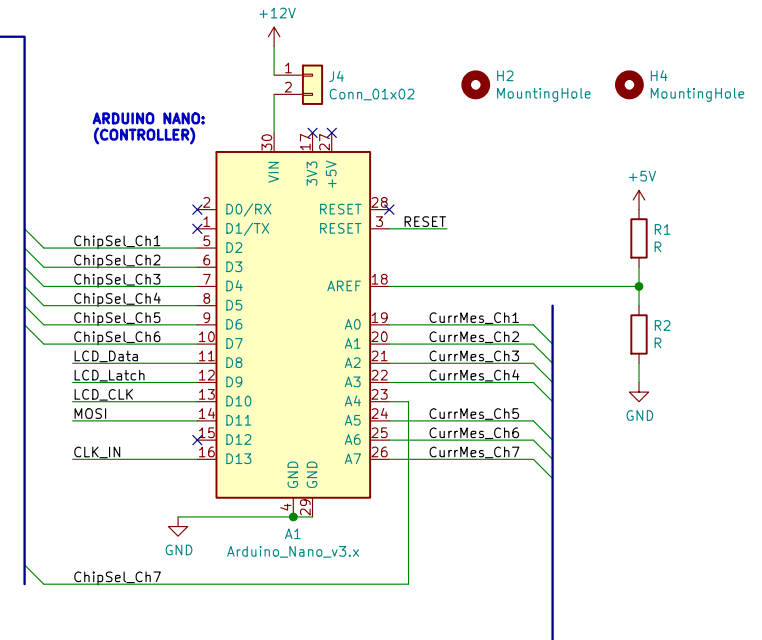
# CHANNELS VOLTAGE OUTPUT:



# LCD SPI CONNECTION:



# ARDUINO NANO: (CONTROLLER)



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Sheet: /  
File: MultipleVoltageSource2.0.sch

**Title: Multiple Voltage Source**

Size: A4  
KiCad E.D.A. kicad (5.1.2)-2

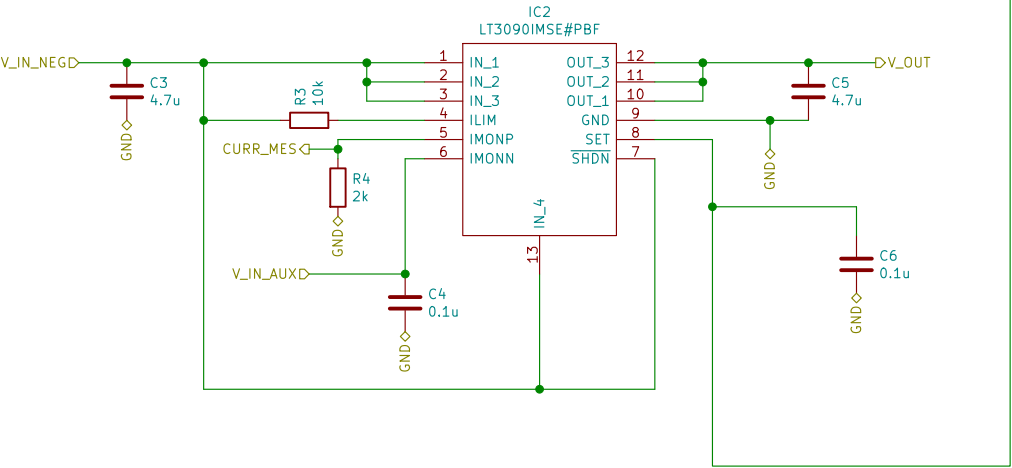
Date:

Rev:

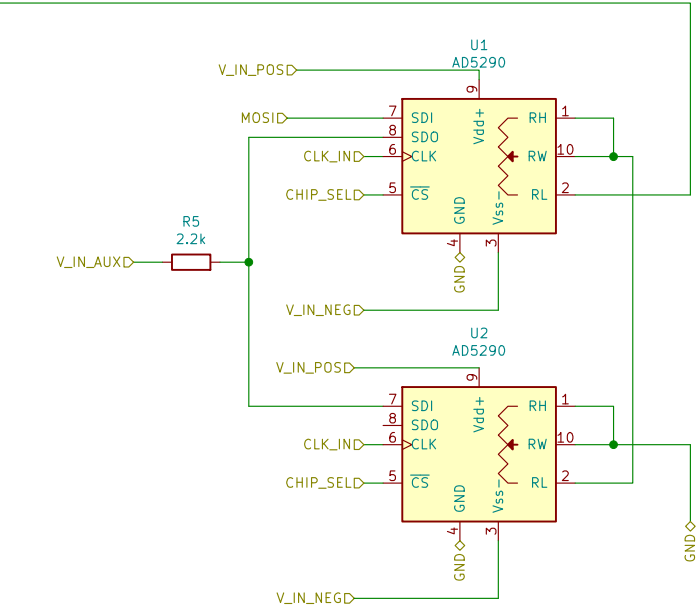
Id: 1/8

V\_IN\_POS = 12 V  
V\_IN\_NEG = -12 V  
V\_IN\_AUX = 5 V

NEGATIVE VOLTAGE REGULATOR:



DIGITAL POTENTIOMETERS IN SERIES:



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Sheet: /Channel 1/

File: Channel.sch

Title: Multiple Voltage Source

Size: A4

Date:

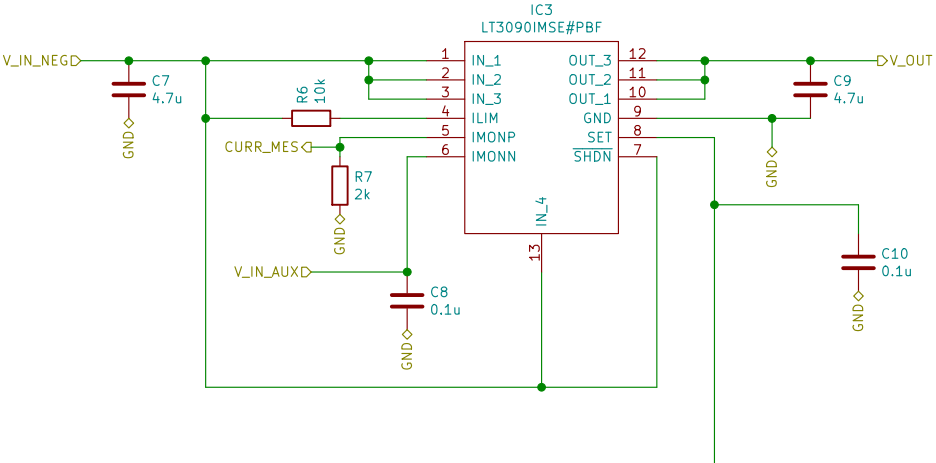
KiCad E.D.A. kicad (5.1.2)-2

Rev: 1.0

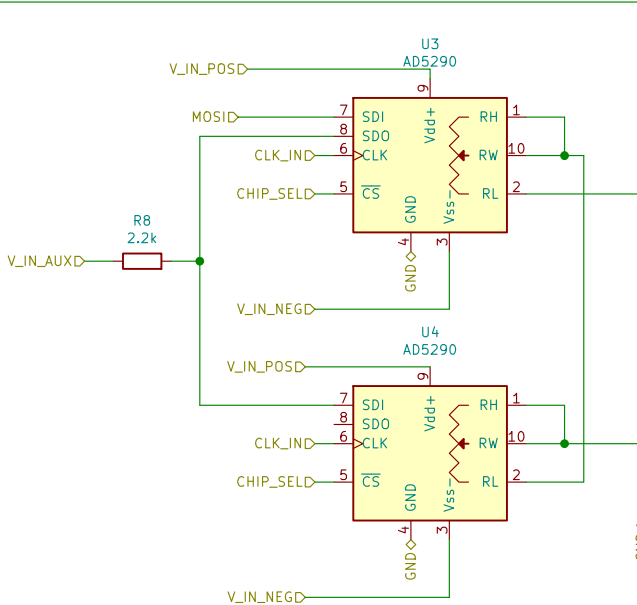
Id: 2/8

V\_IN\_POS = 12 V  
V\_IN\_NEG = -12 V  
V\_IN\_AUX = 5 V

## NEGATIVE VOLTAGE REGULATOR



### DIGITAL POTENTIOMETERS IN SERIES:



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Sheet: /Channel 2/

File: Channel.sch

## Title: Multiple Voltage Source

Size: A4

Date:

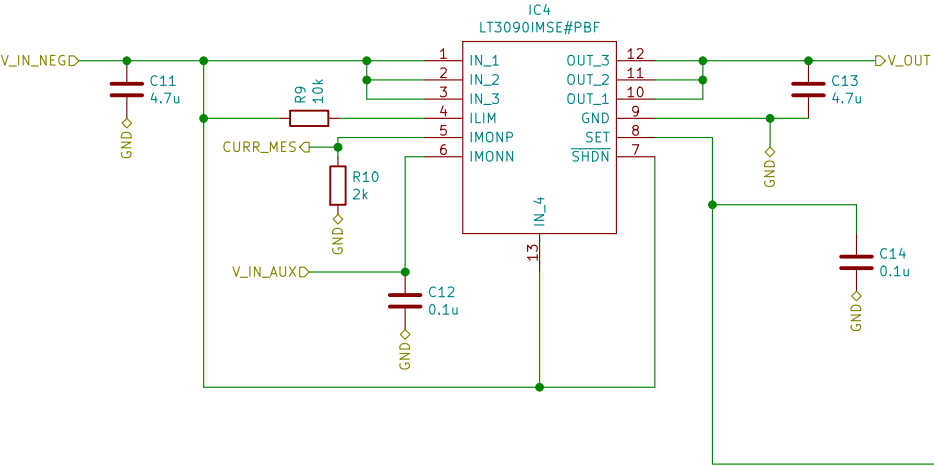
KiCad E.D.A. kicad (5.1.2)-2

**Rev: 1.0**

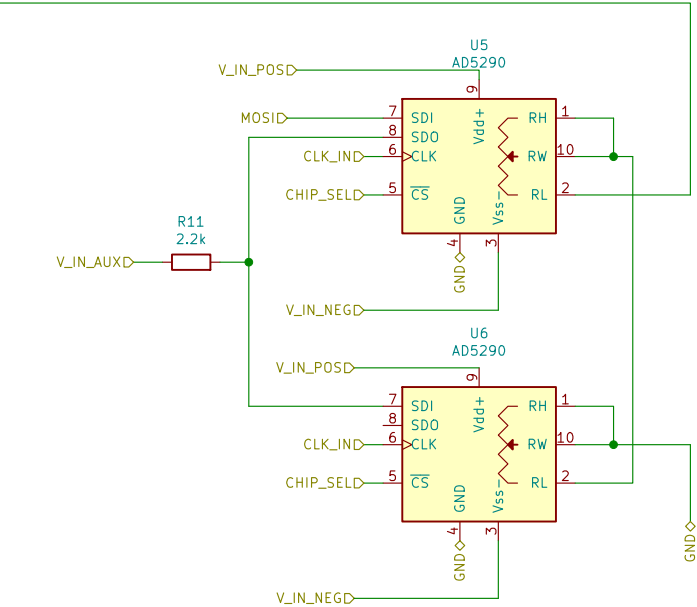
Id: 3/8

V\_IN\_POS = 12 V  
V\_IN\_NEG = -12 V  
V\_IN\_AUX = 5 V

NEGATIVE VOLTAGE REGULATOR:



DIGITAL POTENTIOMETERS IN SERIES:



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Sheet: /Channel 3/

File: Channel.sch

**Title: Multiple Voltage Source**

Size: A4

Date:

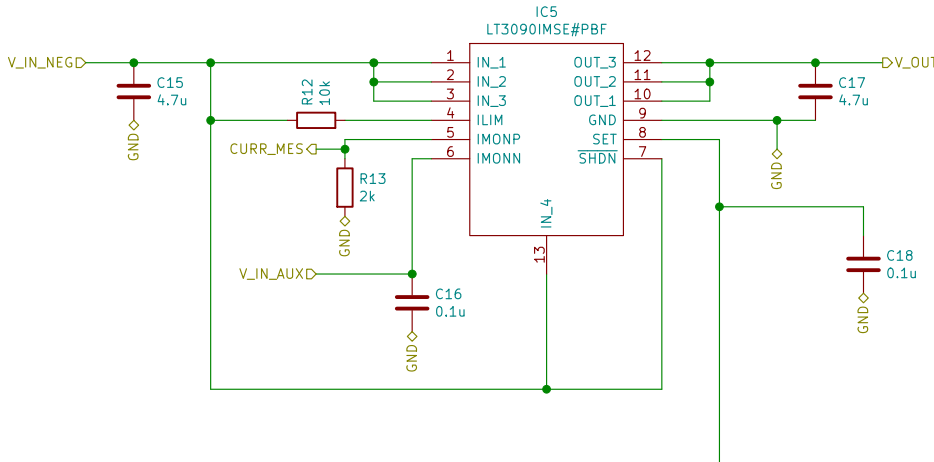
KiCad E.D.A. kicad (5.1.2)-2

Rev: 1.0

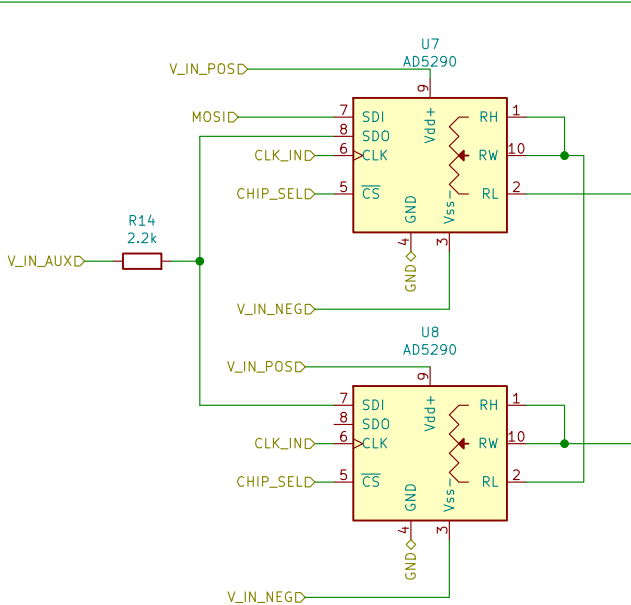
Id: 4/8

V\_IN\_POS = 12 V  
V\_IN\_NEG = -12 V  
V\_IN\_AUX = 5 V

## NEGATIVE VOLTAGE REGULATOR



## DIGITAL POTENTIOMETERS IN SERIES



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Sheet: /Channel 4/

File: Channel.sch

### Title: Multiple Voltage Source

Size: A4

Date:

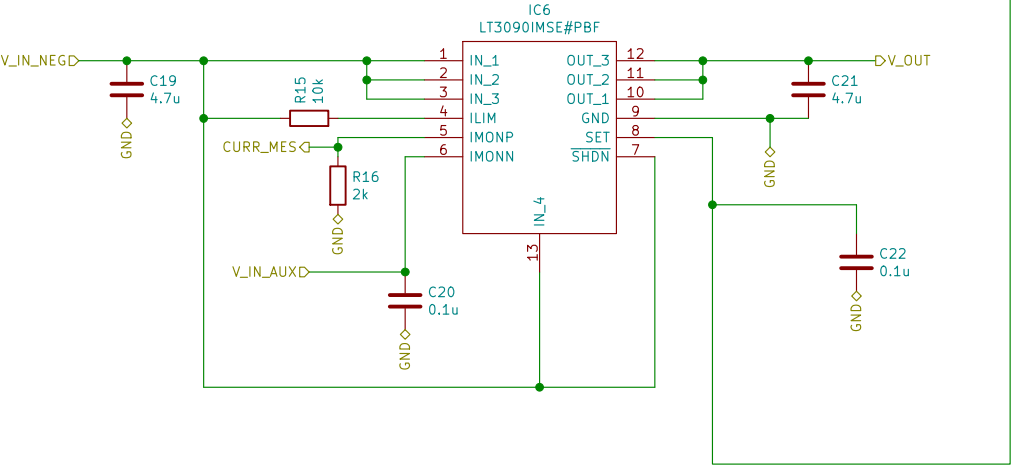
KiCad E.D.A. kicad (5.1.2)-2

Rev: 1.0

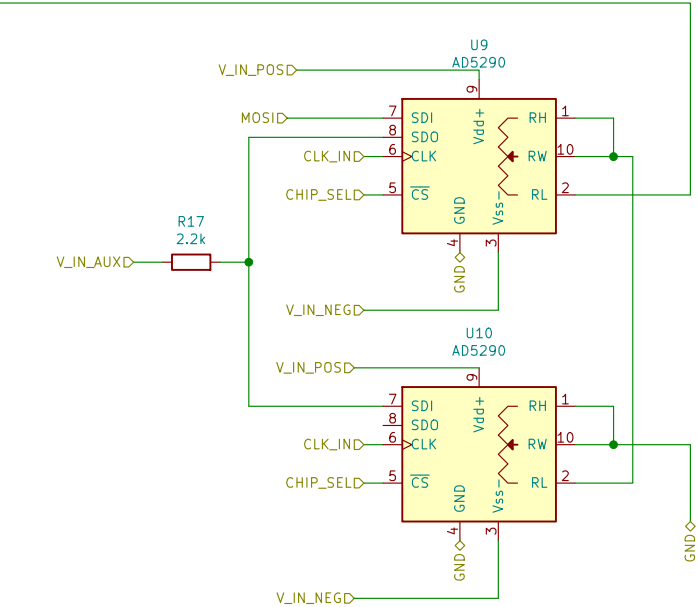
Id: 5/8

V\_IN\_POS = 12 V  
V\_IN\_NEG = -12 V  
V\_IN\_AUX = 5 V

NEGATIVE VOLTAGE REGULATOR:



DIGITAL POTENTIOMETERS IN SERIES:



Antonio Perez-Serrano UPM

Sheet: /Channel 5/

File: Channel.sch

Title: Multiple Voltage Source

Size: A4

Date:

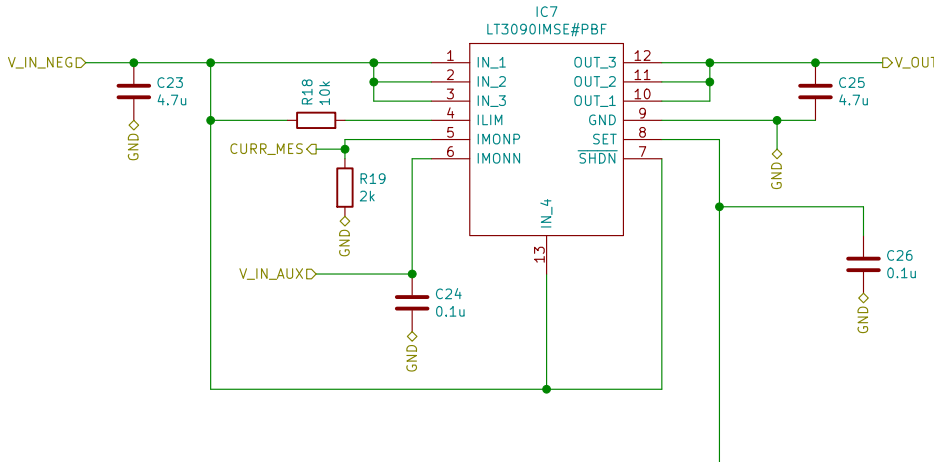
KiCad E.D.A. kicad (5.1.2)-2

Rev: 1.0

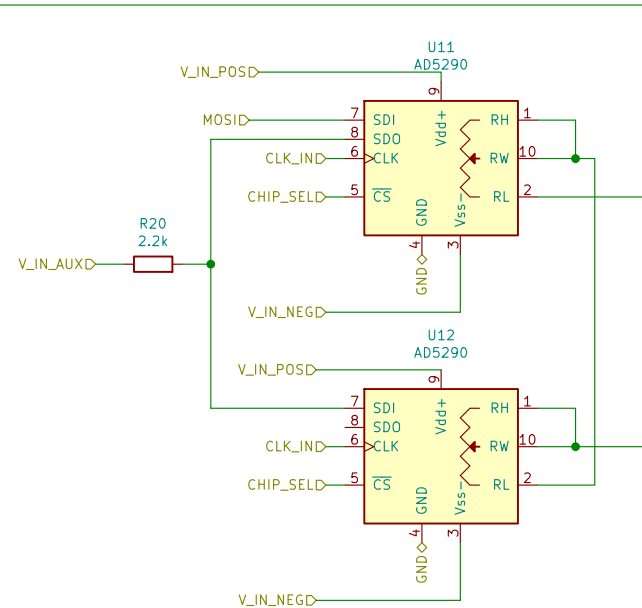
Id: 6/8

V\_IN\_POS = 12 V  
V\_IN\_NEG = -12 V  
V\_IN\_AUX = 5 V

## NEGATIVE VOLTAGE REGULATOR



## DIGITAL POTENTIOMETERS IN SERIES



**Antonio Perez-Serrano UPM**

Sheet: /Channel 6/

File: Channel.sch

**Title: Multiple Voltage Source**

Size: A4

Date:

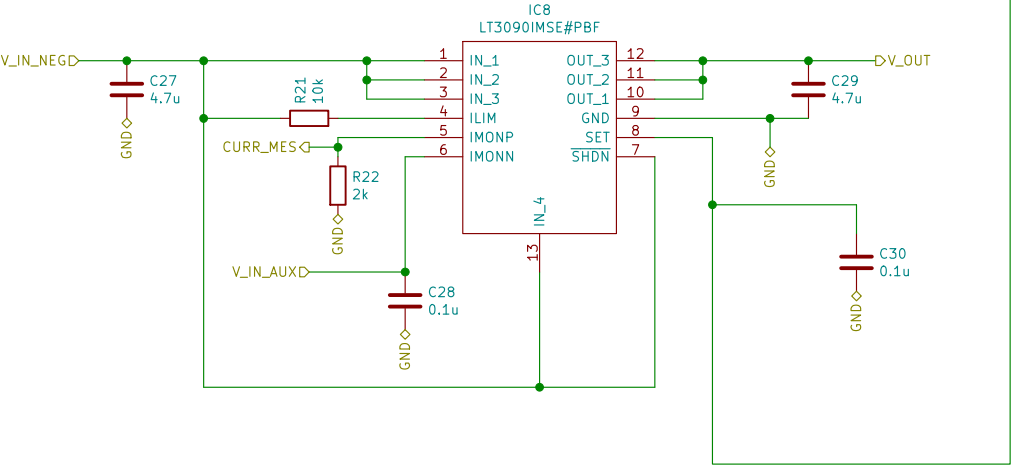
KiCad E.D.A. kicad (5.1.2)-2

Rev: 1.0

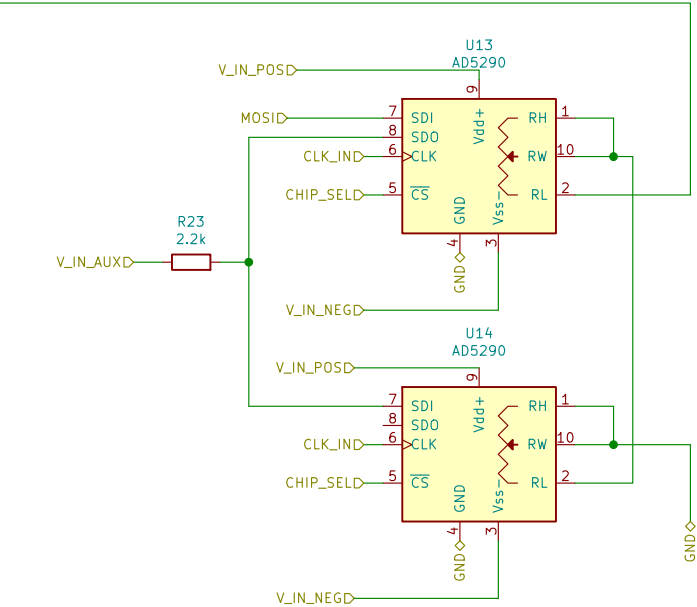
Id: 7/8

V\_IN\_POS = 12 V  
V\_IN\_NEG = -12 V  
V\_IN\_AUX = 5 V

NEGATIVE VOLTAGE REGULATOR:



DIGITAL POTENTIOMETERS IN SERIES:



Antonio Perez-Serrano UPM

Sheet: /Channel 7/

File: Channel.sch

Title: Multiple Voltage Source

Size: A4

Date:

KiCad E.D.A. kicad (5.1.2)-2

Rev: 1.0

Id: 8/8