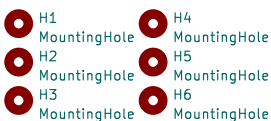
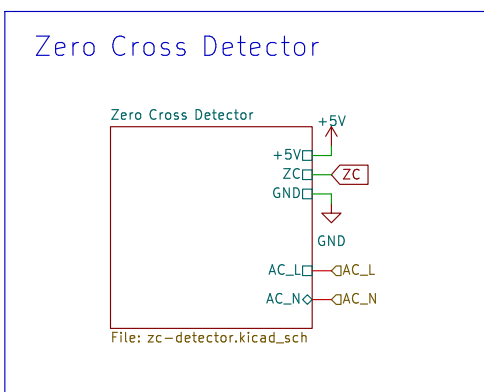
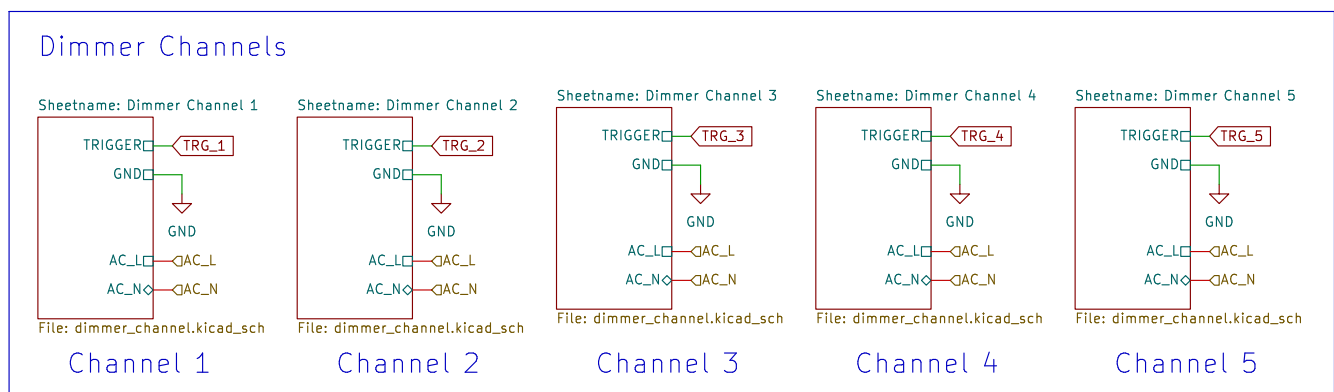
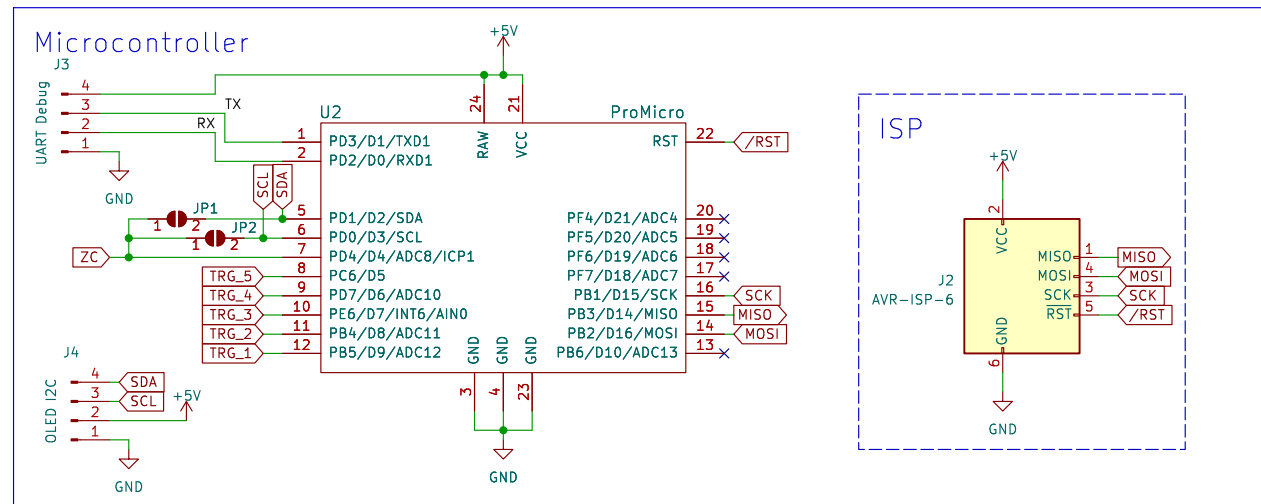
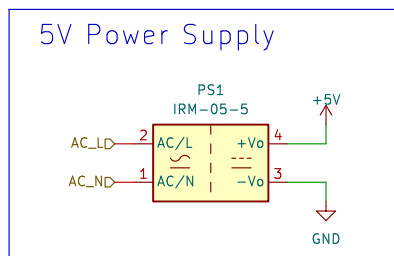
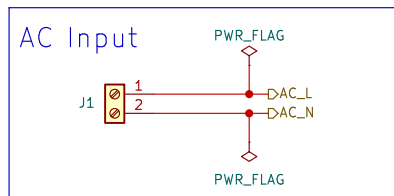


Trailing Edge Dimmer 5 Channels



Tercio Gaudencio Filho

Sheet: /

File: Rev1.kicad_sch

Title: Trailing Edge Dimmer

Size: A4 Date: 2023-03-14

KiCad E.D.A. kicad (7.0.0-0)

Rev: 1

Id: 1/7

Dimmer Channel

TRIGGER

D23 LED

R18 180R

GND

R8 470R

LED+ 2

LED- 3

U3 CPC1596

Q2 NCE70T360D

Q3 NCE70T360D

D4 1N4007

D5 1N4007

D6 1N4007

C3 100nF

Virtual GND

AC_N

AC_L

LOAD

F1 Fuse

JC1

RV1 RM10D201KD1E100

Snubber

C4 22nF X2

R9 220R 1W

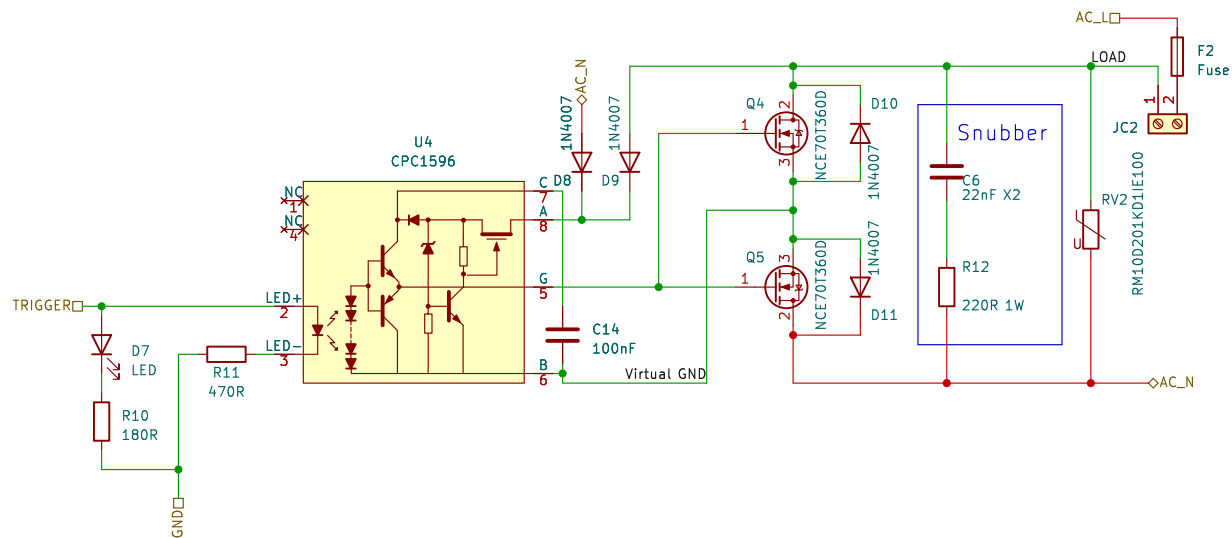
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File: dimmer_channel.kicad_sch

Title:

Size: A4 Date: Rev: KiCad E.D.A. kicad (7.0.0-0) Id: 2/7

Title:		
Size: A4	Date:	Rev:
KiCad E.D.A. kicad (7.0.0-0)		Id: 2/7

Dimmer Channel



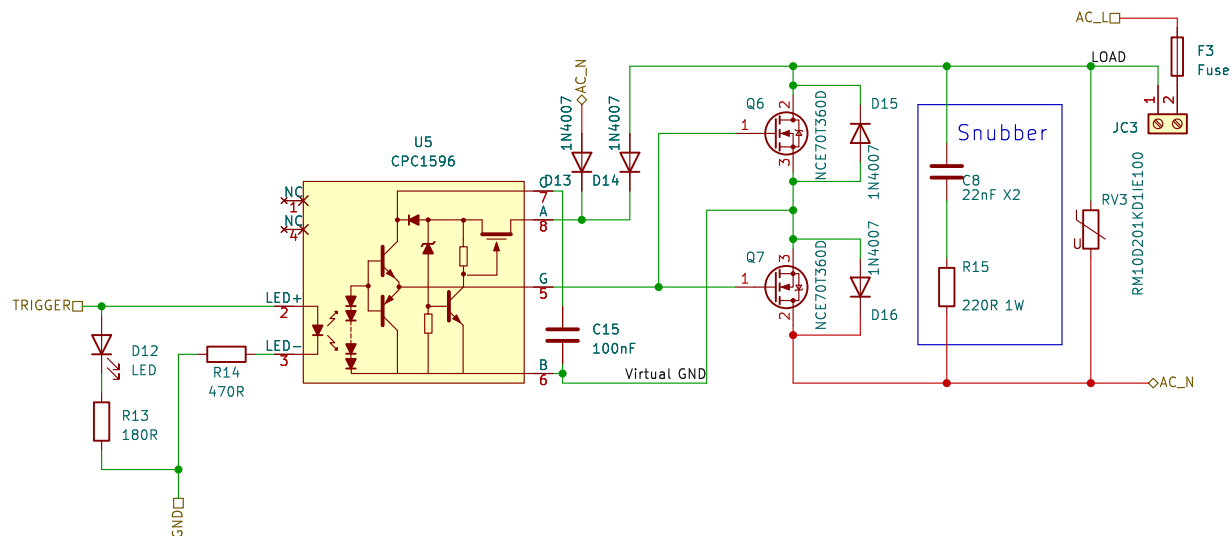
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KiCad E.D.A. kicad (7.0.0-0)	

Rev:
Id: 3/7

Dimmer Channel



Sheet: /Sheetname: Dimmer Channel 3/
File: dimmer_channel.kicad_sch

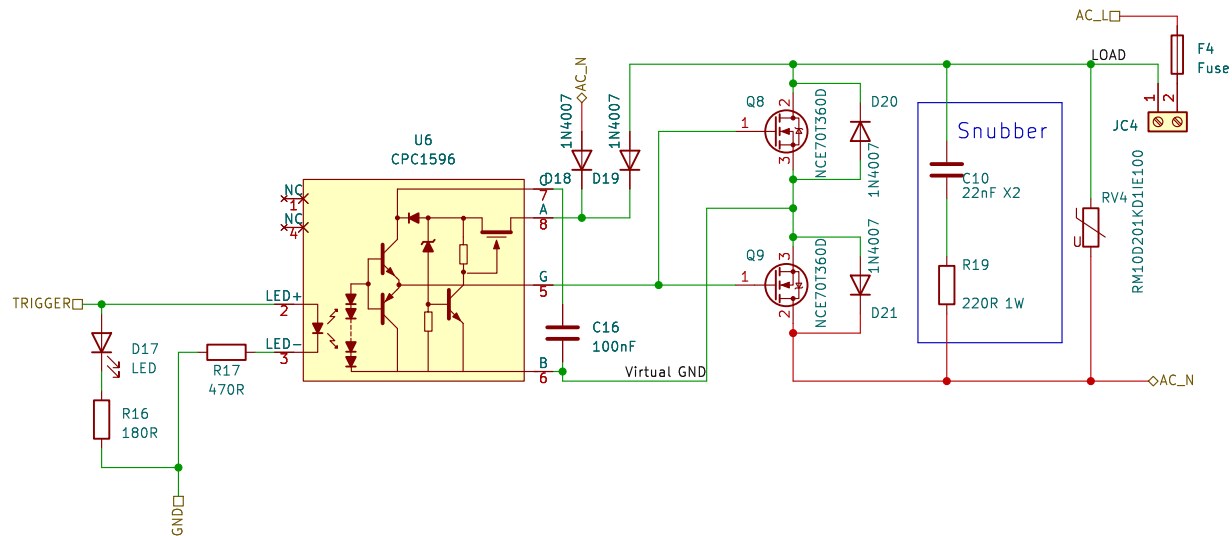
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Size: A4
KiCad E.D.A. kicad (7.0.0-0)

Date:

Rev:
Id: 4/7

Dimmer Channel



Sheet: /Sheetname: Dimmer Channel 4/
File: dimmer_channel.kicad_sch

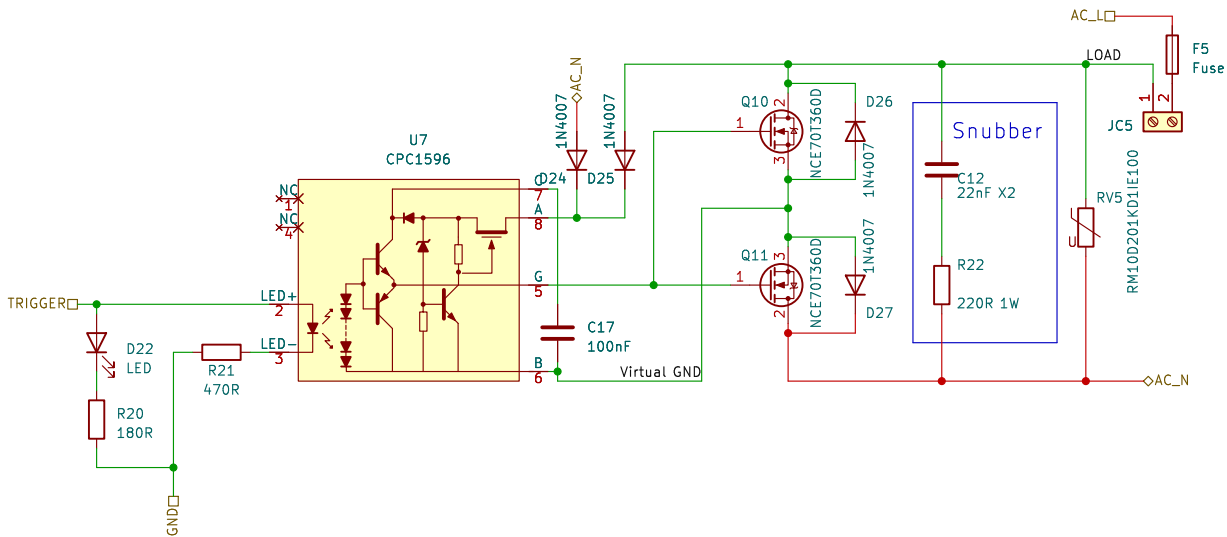
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KiCad E.D.A. kicad (7.0.0-0)

Date:

Rev:
Id: 5/7

Dimmer Channel



Sheet: /Sheetname: Dimmer Channel 5/
File: dimmer_channel.kicad_sch

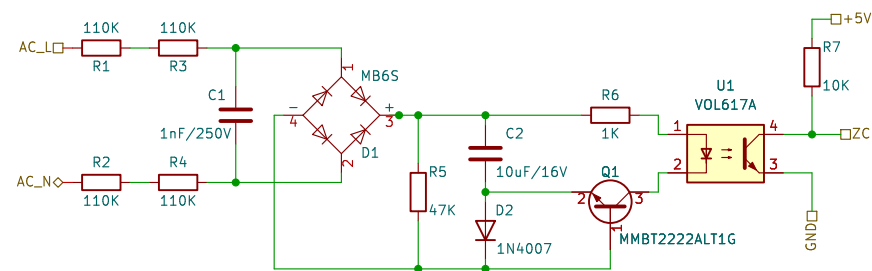
Title:

Size: A4
KiCad E.D.A. kicad (7.0.0-0)

Date:

Rev:
Id: 6/7

Zero Cross Detector



* Provided component values for 127V rms AC

Sheet: /Zero Cross Detector/
File: zc-detector.kicad_sch

Title:

Size: A4
KiCad E.D.A. kicad (7.0.0-0)

Date:

Rev:
Id: 7/7