

PCB design/layout  
notes &  
considerations

Design notes

Design Capabilities

VIN+ T1: 130 VA VOUT+  
24:230V  
 $I_{max, 24V} = 5.4A$   
B/N: 237-1277-ND  
Cost: \$40 CAD VOUT-

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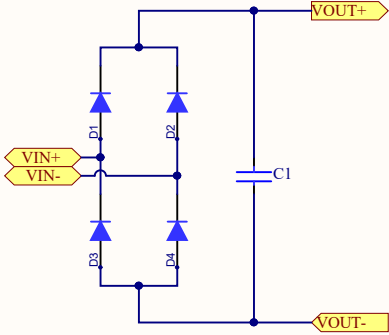
PV Refridgerator v0.1.0

Transformer

Cet Designed by Mike MacKay

Rev A Date 2017-01-26

Sheet 3 of 8



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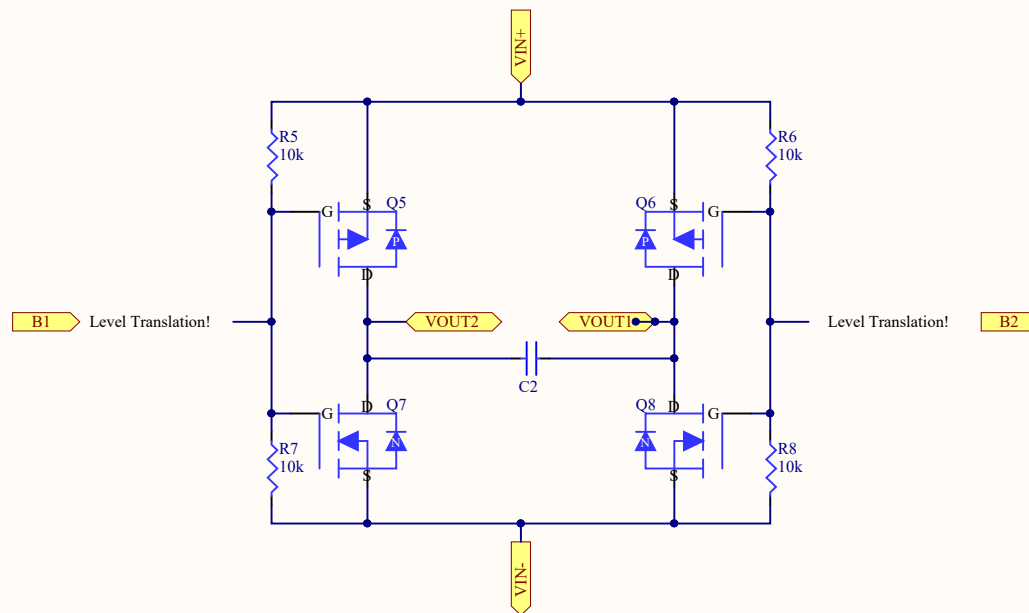
**PV Refridgerator v0.1.0**

Full-Wave Rectifier

Cct Designed by Mike MacKay

Rev A Date 2017-01-26

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### PV Refridgerator v0.1.0

High Voltage H-Bridge

Cct Designed by Mike MacKay

Rev A Date 2017-01-26

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1

2

3

4

A

A

B

B

C

C

D

D

VIN+

VOUT

VIN-



GND

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**PV Refridgerator v0.1.0**  
3.3VDC Powersupply

Cct  
Rev **A** Designed by Craig Comberbach

Date 2017-02-04

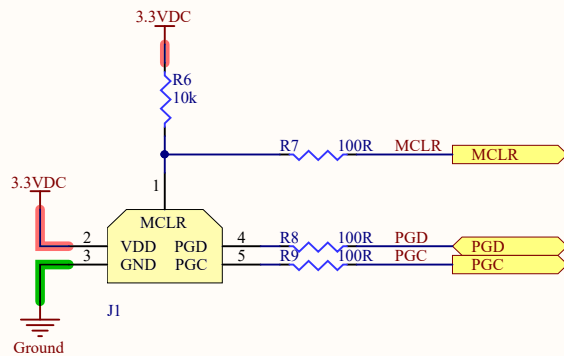
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1

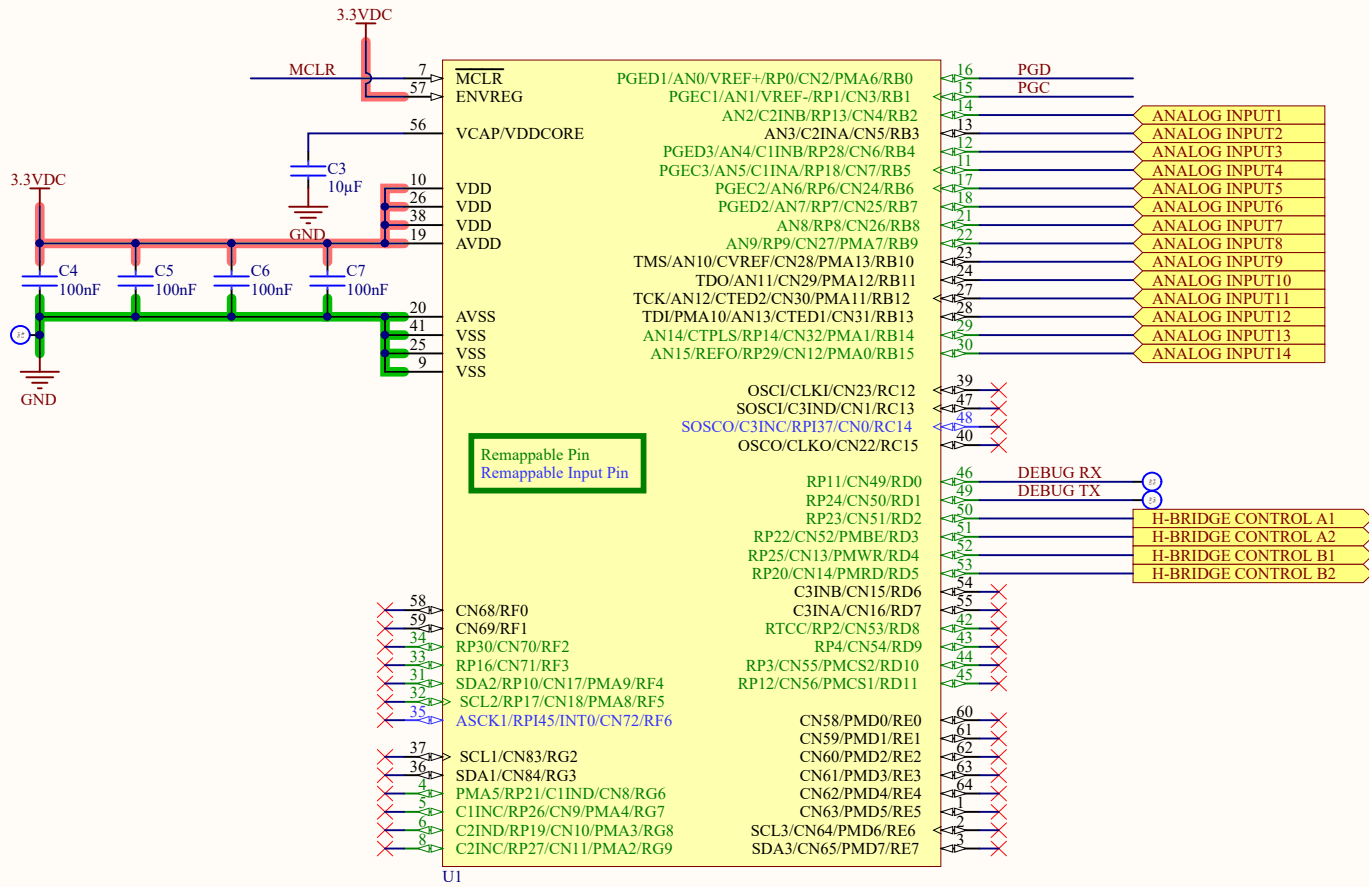
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3

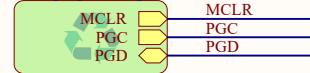
4



Title Flash programming.SchDoc			
Size A4	Number		Revision A1
Date:	Sat 2017-02-04	2015-07-22	Sheet 7 of 8
File:	C:\Users\...\Flash programming.SchDoc		Drawn By: Craig Comberbach



Flash programming



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PV Refridgerator v0.1.0

Microcontroller

Cct Rev A Designed by Craig Comberbach

Date 2017-02-04

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