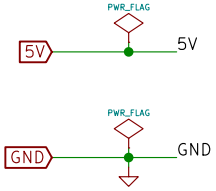
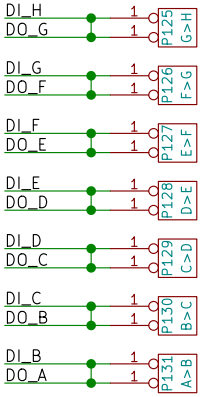
Stacking Expansion Connectors for creating TinyTiM matrices



Jumpers to create a Series connected TiM

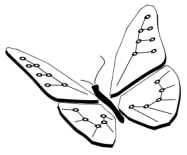


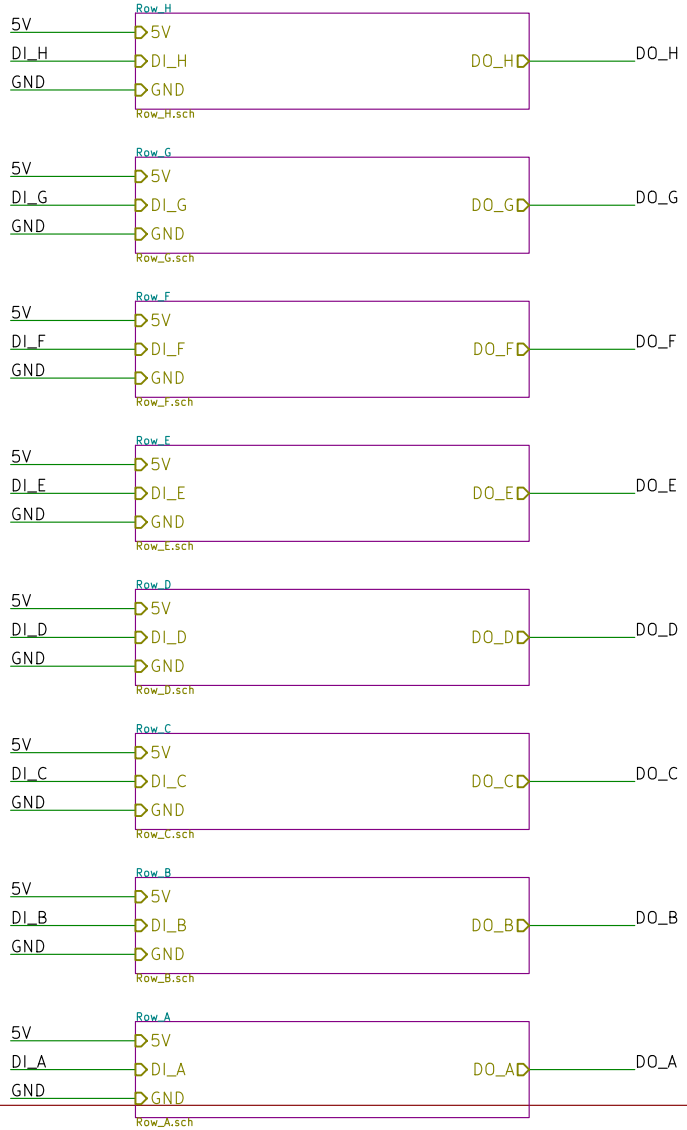
CHANGES:
Replaced 2 pin PWR IN connectors P1 , P2
with 3 pin SERIAL_DATA_IN connectors

This allows shorter wiring when boards are stacked up
as 2.5D Cube or 3D (transparent PCB) cube

Serial Shorting Links are permanently linked for Serial Mode.
Cut the links for Parallel Mode

Use screw holes for electrical connections (Serial)
S101 = Data_In TOP Layer and Data_Out on BOT layer
S102 = Data_In BOT Layer and Data_Out on TOP layer
S801 = +5V on TOP and BOT Layers
S802 = GND on TOP and BOT Layers





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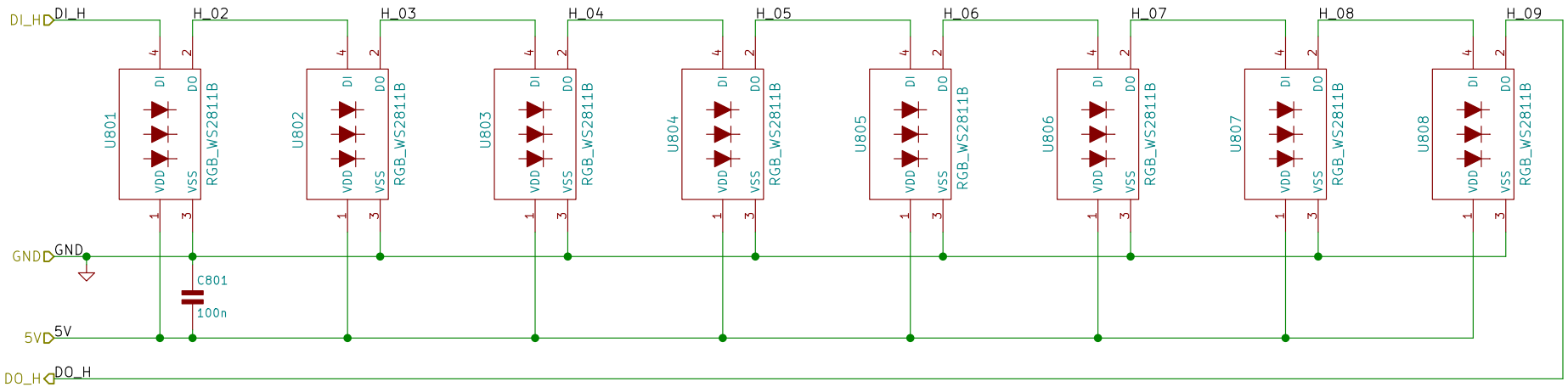
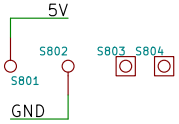
: TinyTiM.sch

le: TiM – The Intelligent Matrix (rev3 using WS2811B)

e: A4	Date: Sunday 05 April 2015	**Rev: rev3**
ad E.D.A. kicad 0.201504161001+560322ubuntu14.10.1-product		Id: 1/9





Mounting Screws

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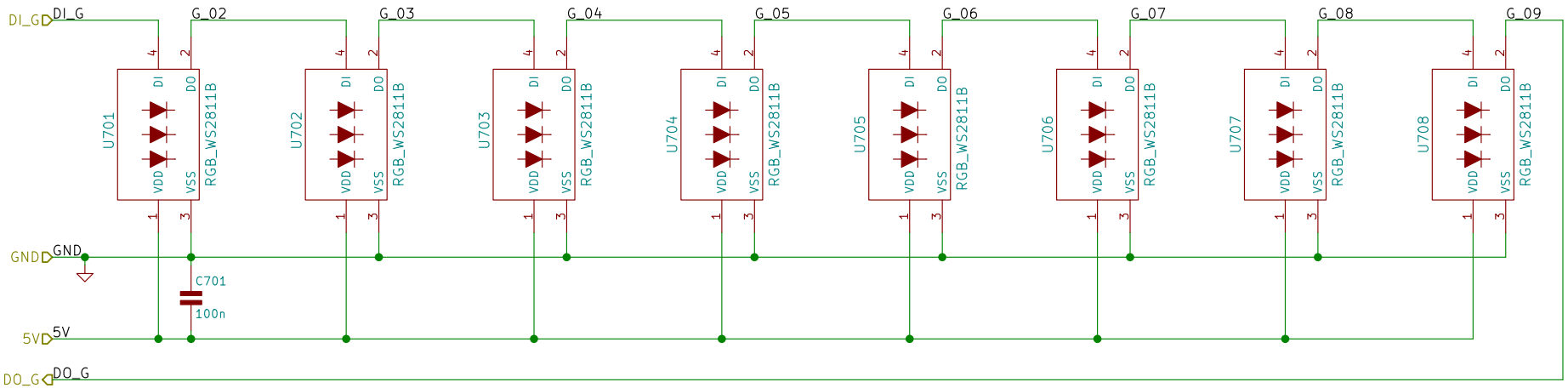
Sheet: /Row_H/
File: Row_H.sch

Title: TiM – The Intelligent Matrix (rev2 using WS2811B)

Size: A4	Date: Sunday 05 April 2015	**Rev: rev3**
KiCad E.D.A.	kicad 0.201504161001+560322ubuntu14.10.1-product	Id: 2/9



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File: Row_G.sch

Title: TiM – The Intelligent Matrix (rev2 using WS2811B)

Size: A4	Date: Sunday 05 April 2015	**Rev: rev3**
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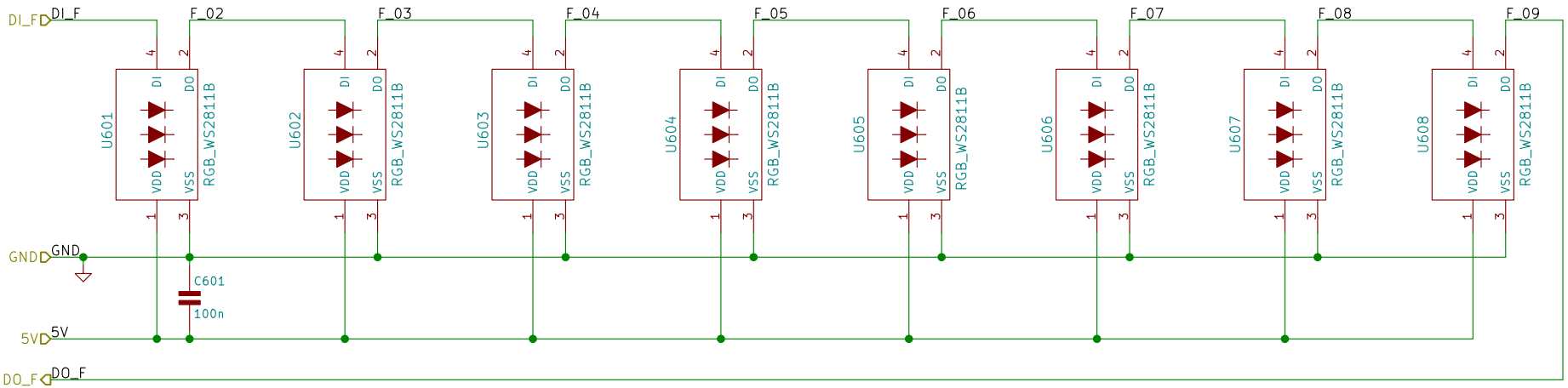

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Sheet: /Row_F/
File: Row_F.sch

Title: TiM – The Intelligent Matrix (rev2 using WS2811B)

Size: A4	Date: Sunday 05 April 2015	**Rev: rev3**
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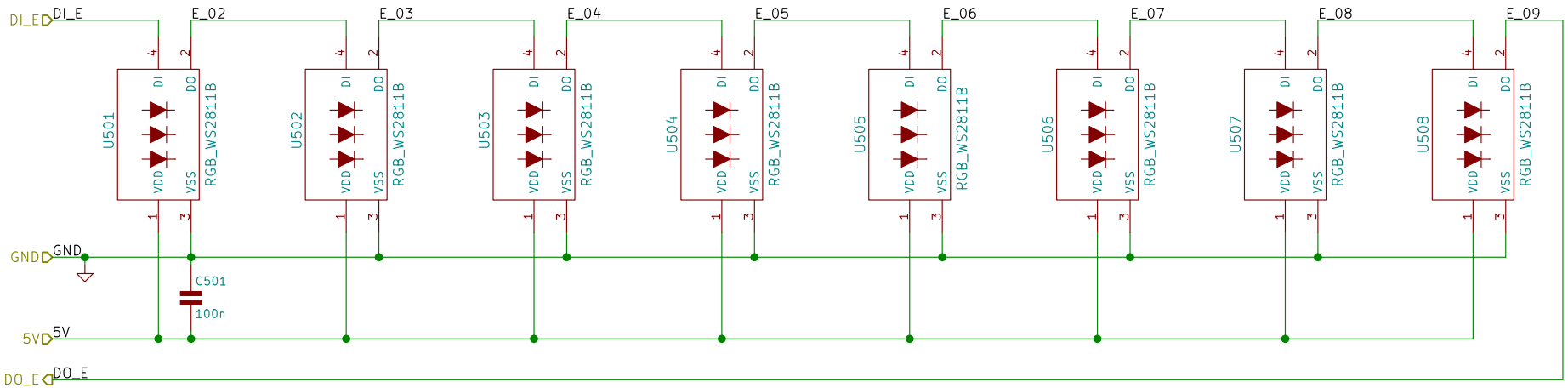

S501 S502

Mounting Screws

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Sheet: /Row_E/
File: Row_E.sch

Title: TiM – The Intelligent Matrix (rev2 using WS2811B)

Size: A4	Date: Sunday 05 April 2015	**Rev: rev3**
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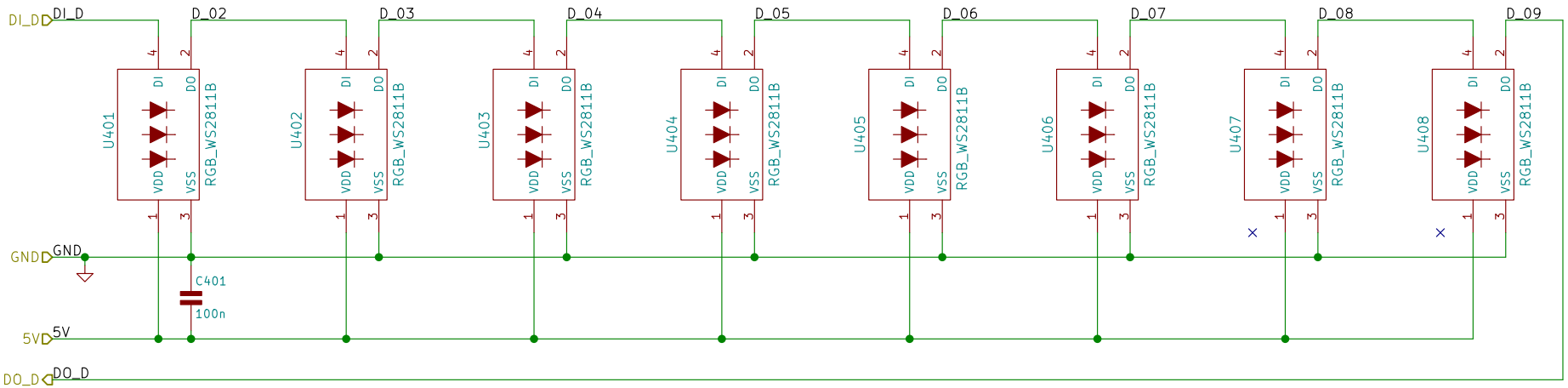

S401 S402

Mounting Screws

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Sheet: /Row_D/

File: Row_D.sch

Title: TiM – The Intelligent Matrix (rev2 using WS2811B)

Size: A4	Date: Sunday 05 April 2015	**Rev: rev3**
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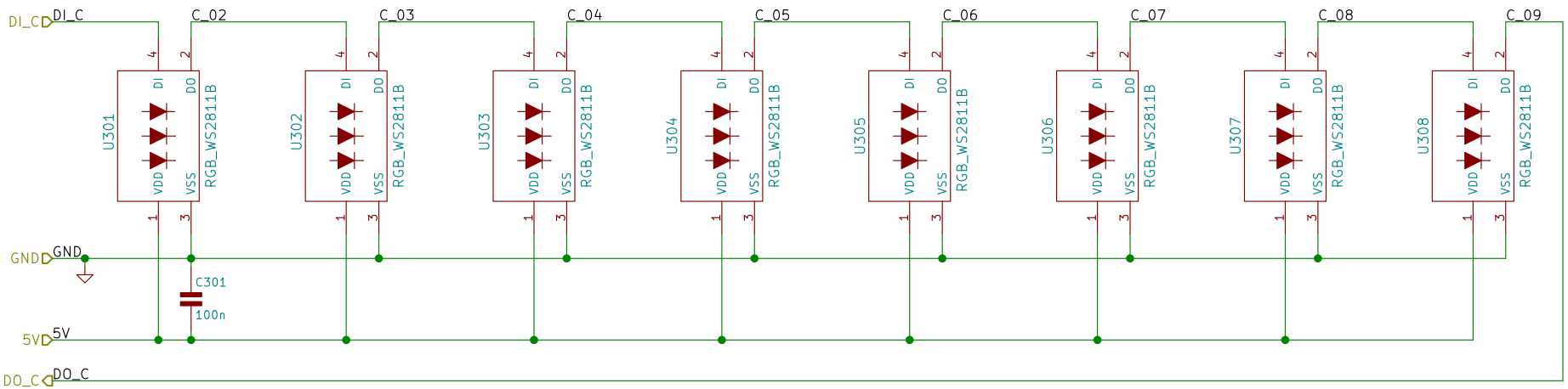

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Sheet: /Row_C/

File: Row_C.sch

Title: TiM – The Intelligent Matrix (rev2 using WS2811B)

Size: A4	Date: Sunday 05 April 2015	**Rev: rev3**
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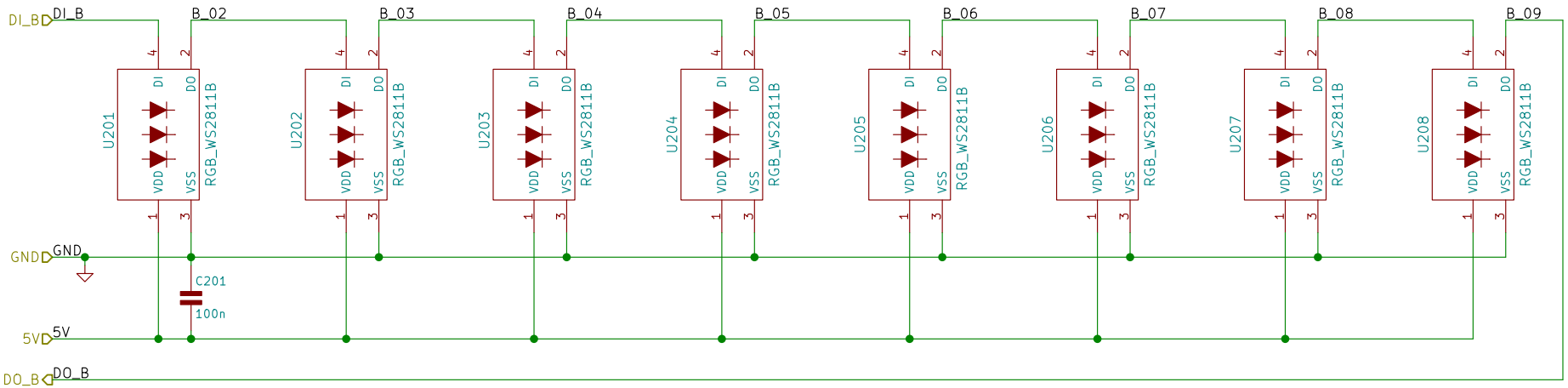

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Sheet: /Row_B/
File: Row_B.sch

Title: TiM – The Intelligent Matrix (rev2 using WS2811B)

Size: A4	Date: Sunday 05 April 2015	**Rev: rev3**
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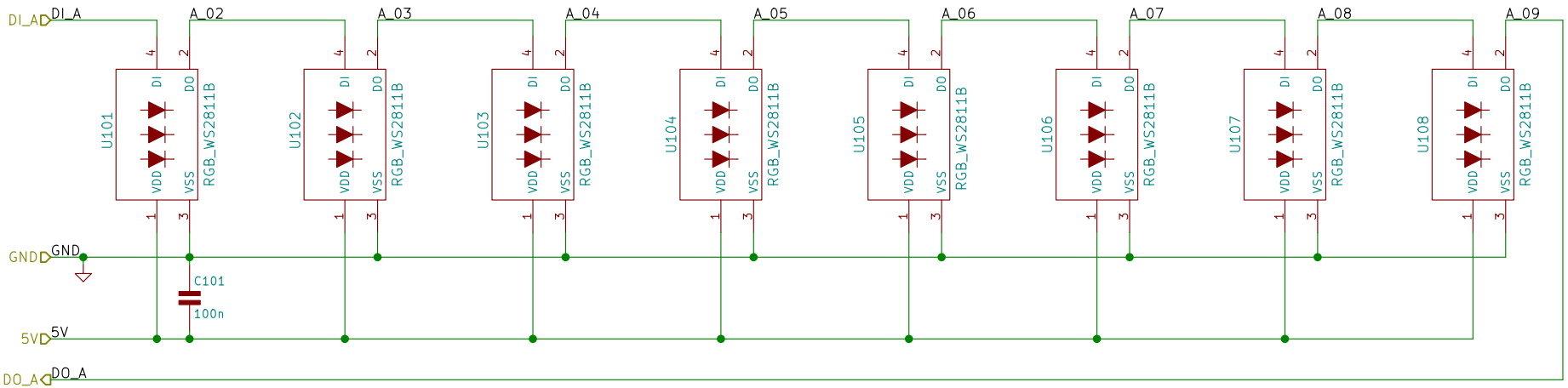

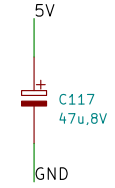

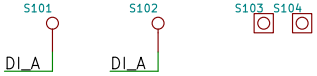

Mounting Screws

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Sheet: /Row_A/
File: Row_A.sch

Title: TiM – The Intelligent Matrix (rev2 using WS2811B)

Size: A4	Date: Sunday 05 April 2015	**Rev: rev3**
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