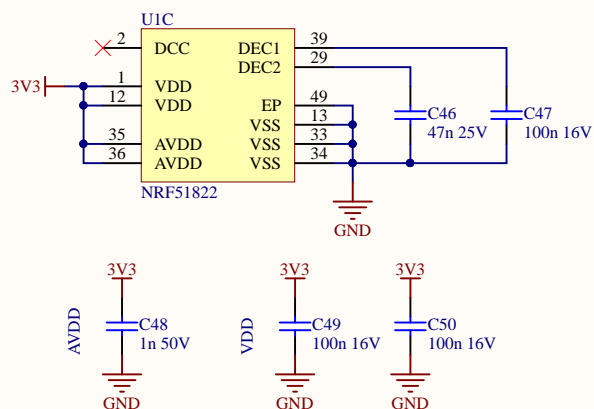
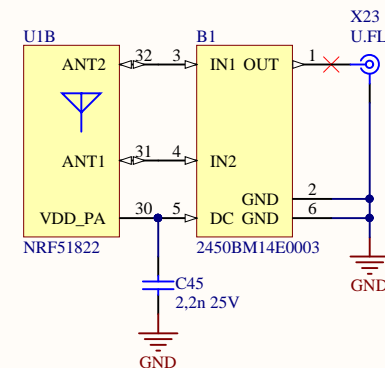
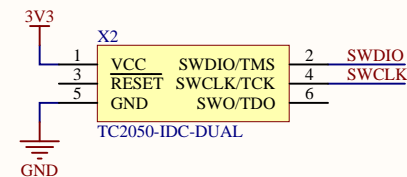
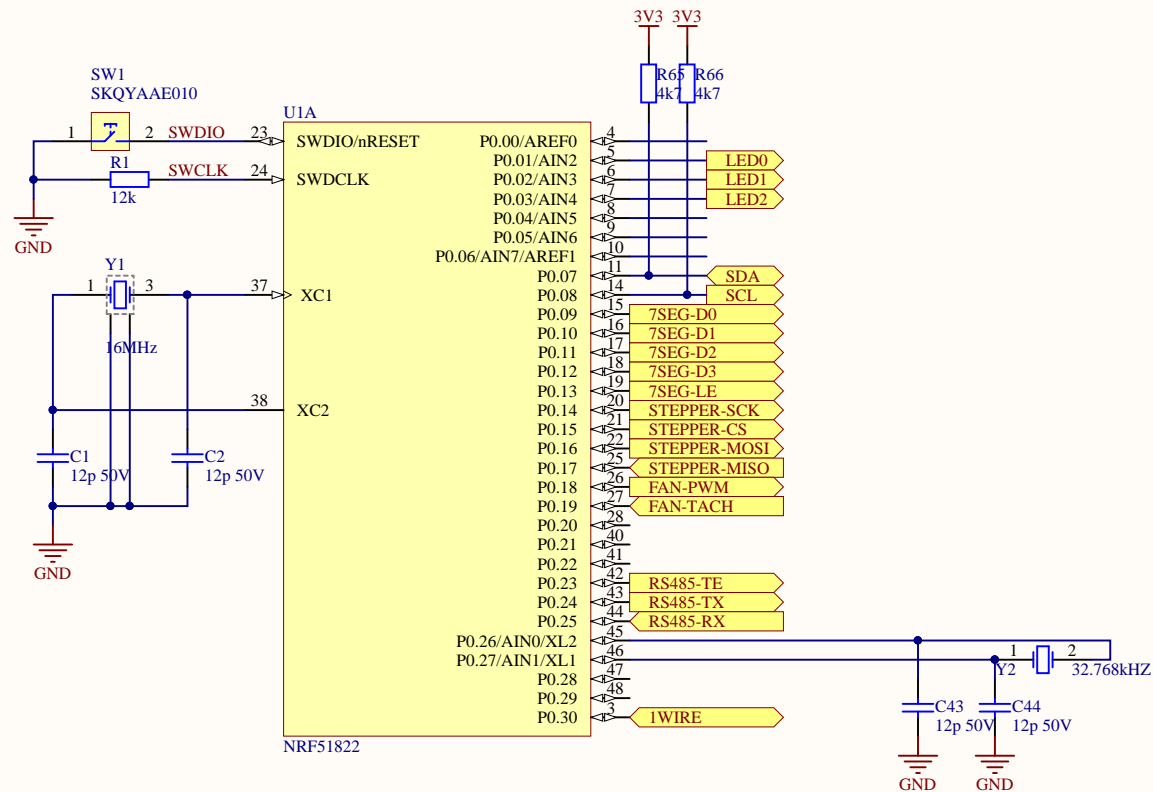


1

2

3

4



Title Microcontroller			*
Project: Supernovum	Size: A4	Revision: *	*
Date: 27.08.2016	Time: 21:43:08	Sheet 2 of 15	
File: C:\Users\Moritz\Seafire\PCB\Projects\Supernova\dev\Driver\CPU.SchDoc			

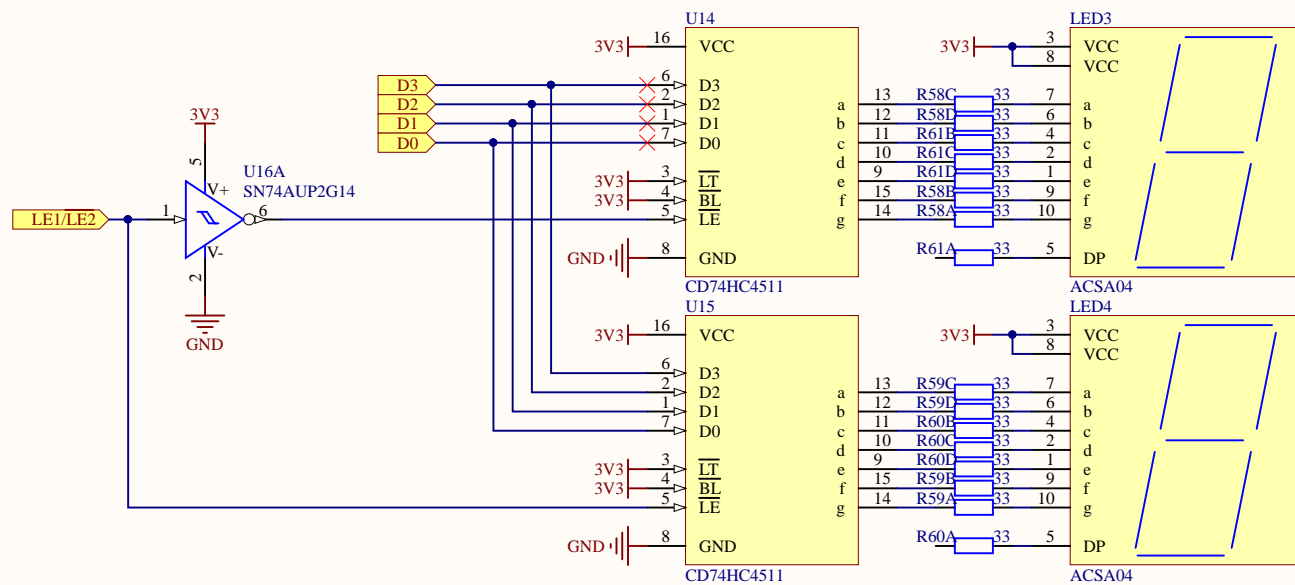


1

2

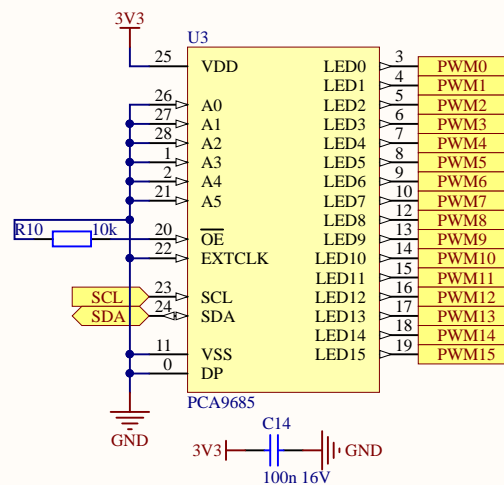
3

4



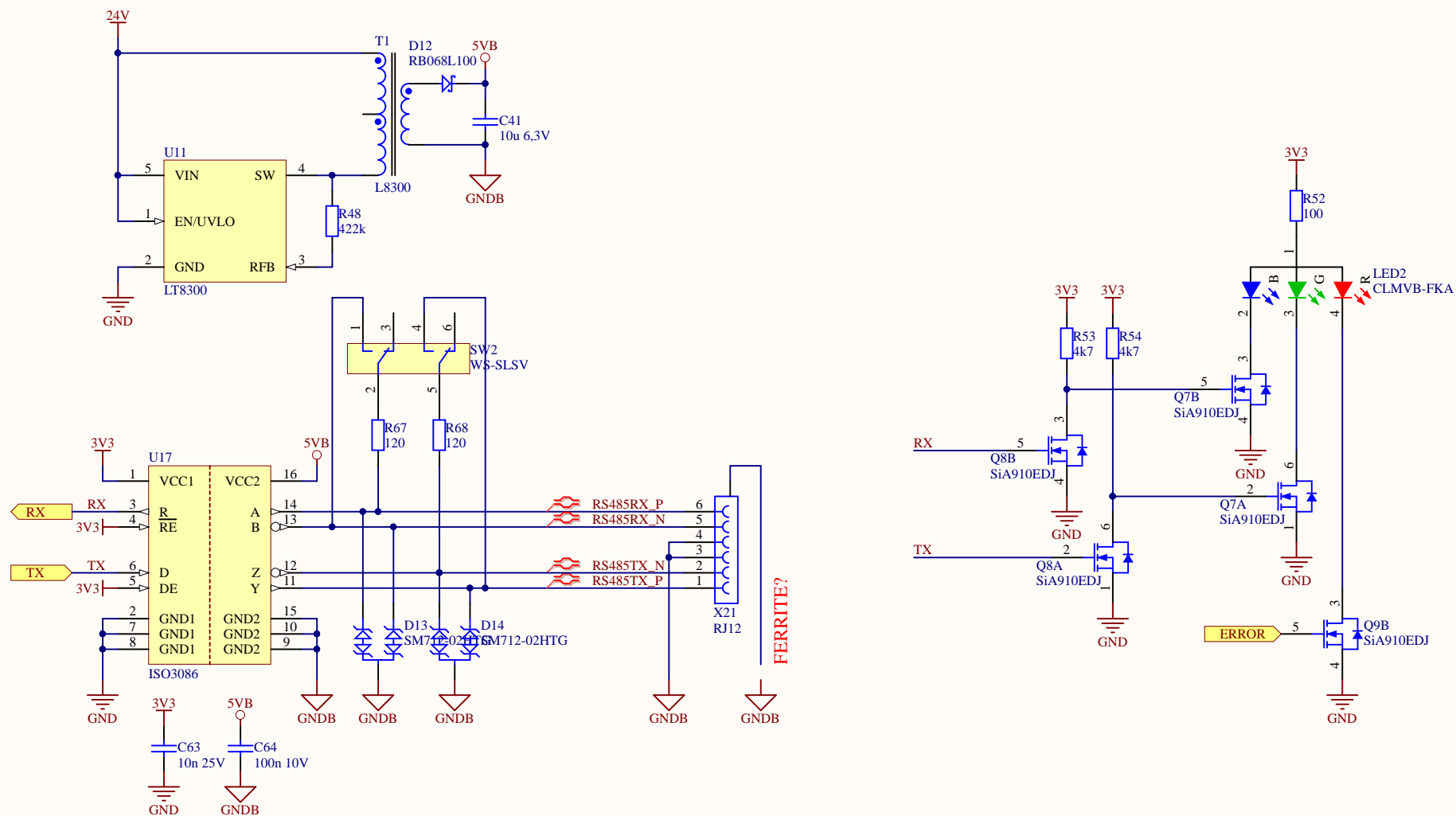
Title 7Segment Display			*
Project: Supernovum	Size: A4	Revision: *	*
Date: 27.08.2016	Time: 21:43:08	Sheet 3 of 15	
File: C:\Users\Moritz\Seafire\PCB\Projects\Supernova\dev\Driver\7SEG.SchDoc			





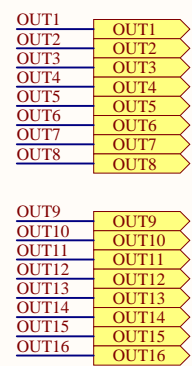
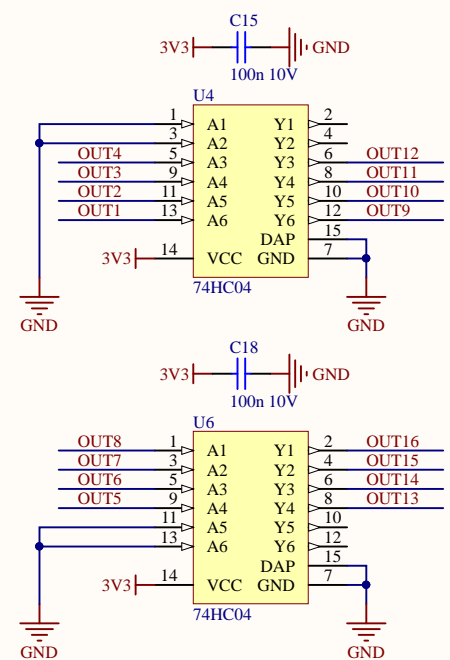
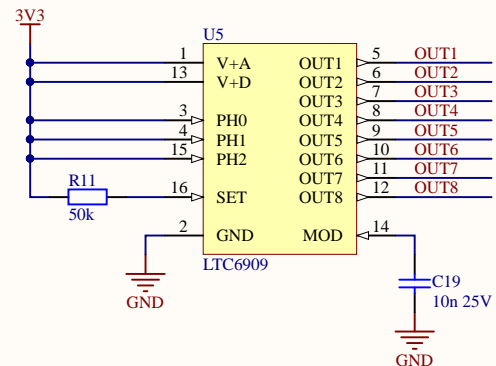
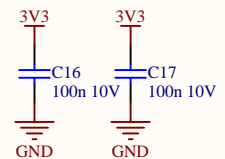
Title PWM Generation			*
Project: Supernovum	Size: A4	Revision: *	*
Date: 27.08.2016	Time: 21:43:09	Sheet 4 of 15	
File: C:\Users\Moritz\Seafire\PCB\Projects\Supernova\dev\Driver\PWM_Generator.SchDoc			

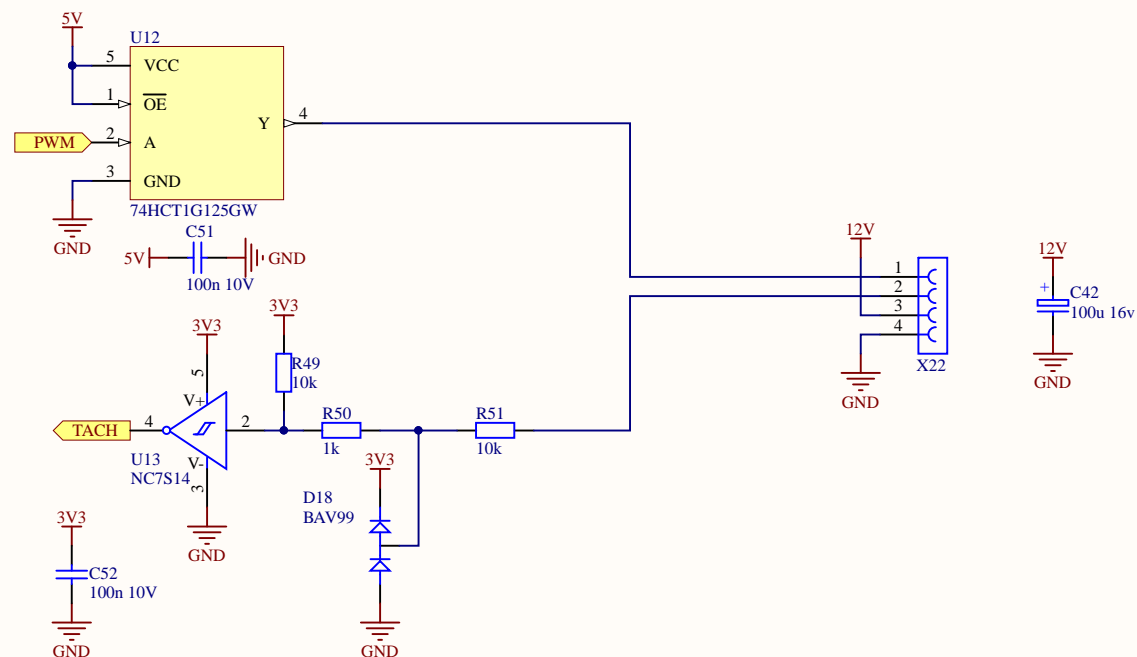




Title RS485 Transciever			*
Project: Supernovum	Size: A4	Revision: *	*
Date: 27.08.2016	Time: 21:43:09	Sheet 5 of 15	
File: C:\Users\Moritz\Seafire\PCB\Projects\Supernova\dev\Driver\RS485.SchDoc			

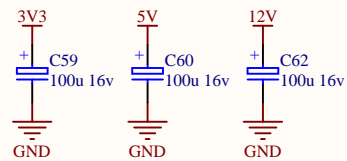
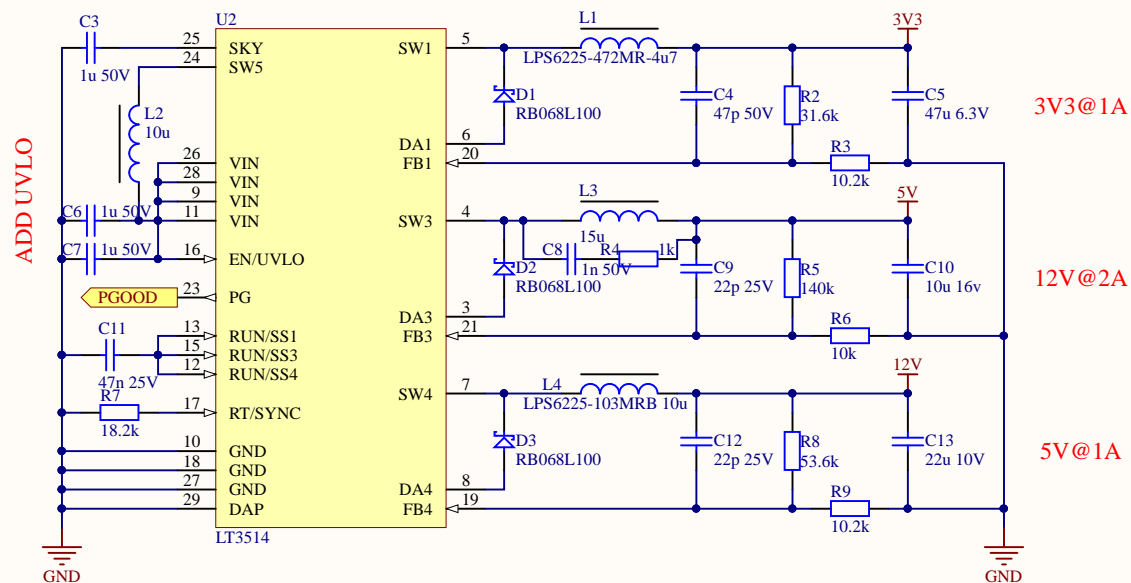


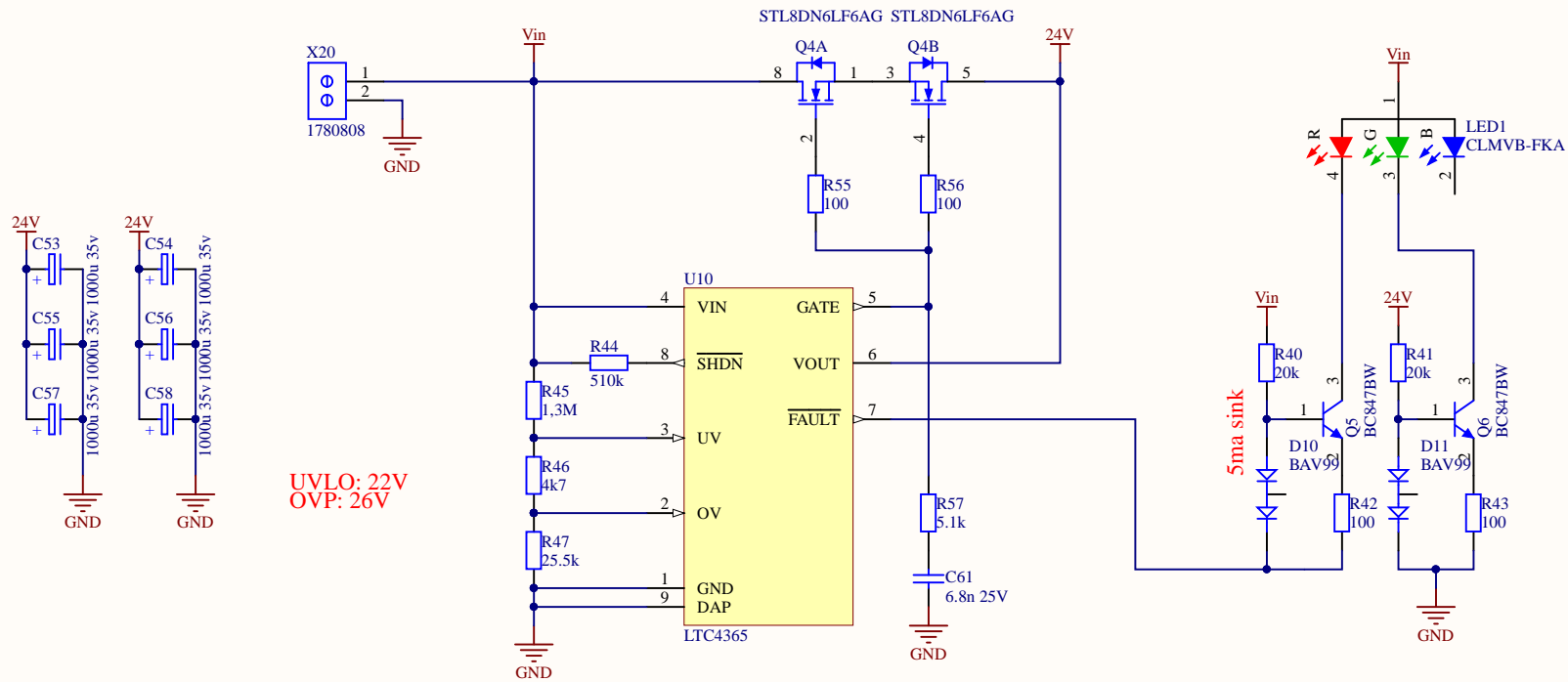




Title PWM Fan Control			*
Project: Supernovum	Size: A4	Revision: *	*
Date: 27.08.2016	Time: 21:43:09	Sheet 8 of 15	
File: C:\Users\Moritz\Seafire\PCB\Projects\Supernova\dev\Driver\fan.SchDoc			

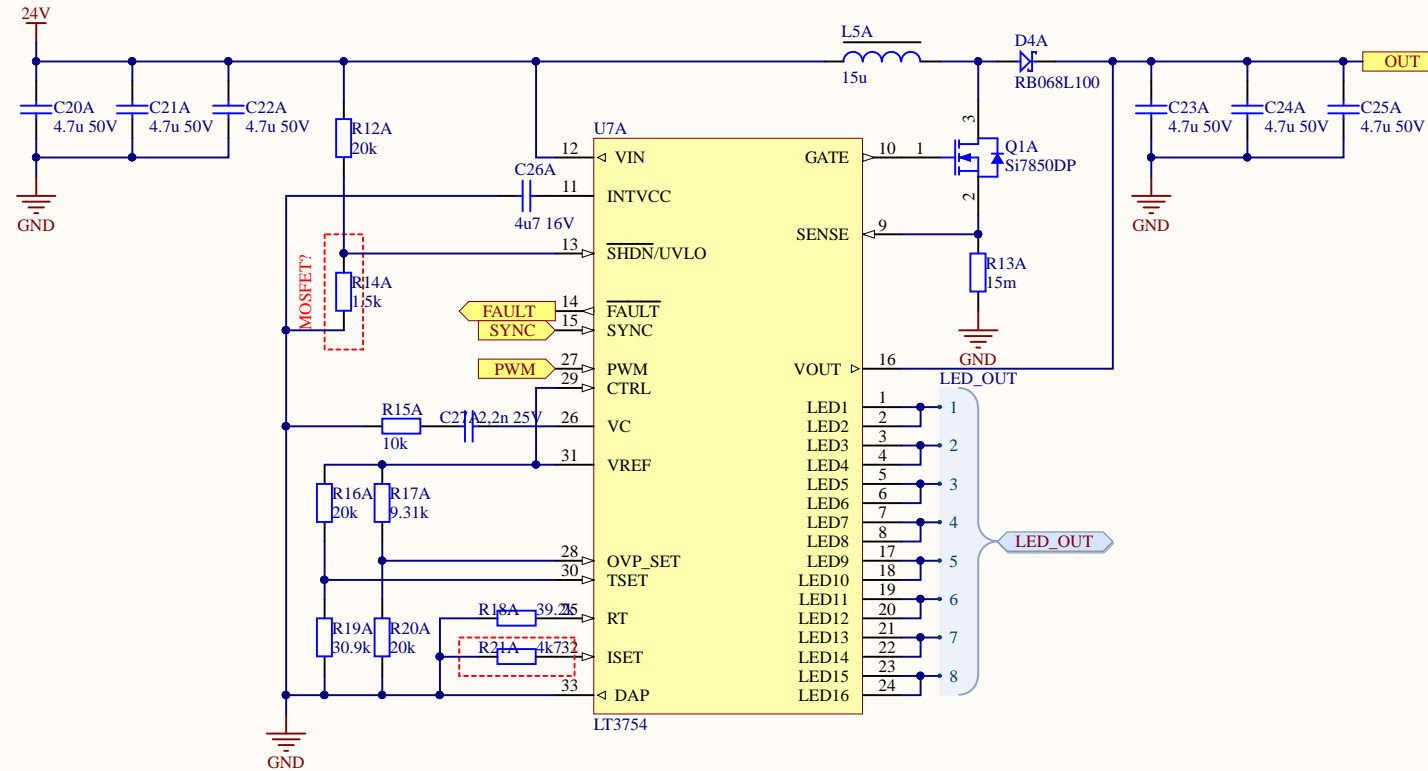






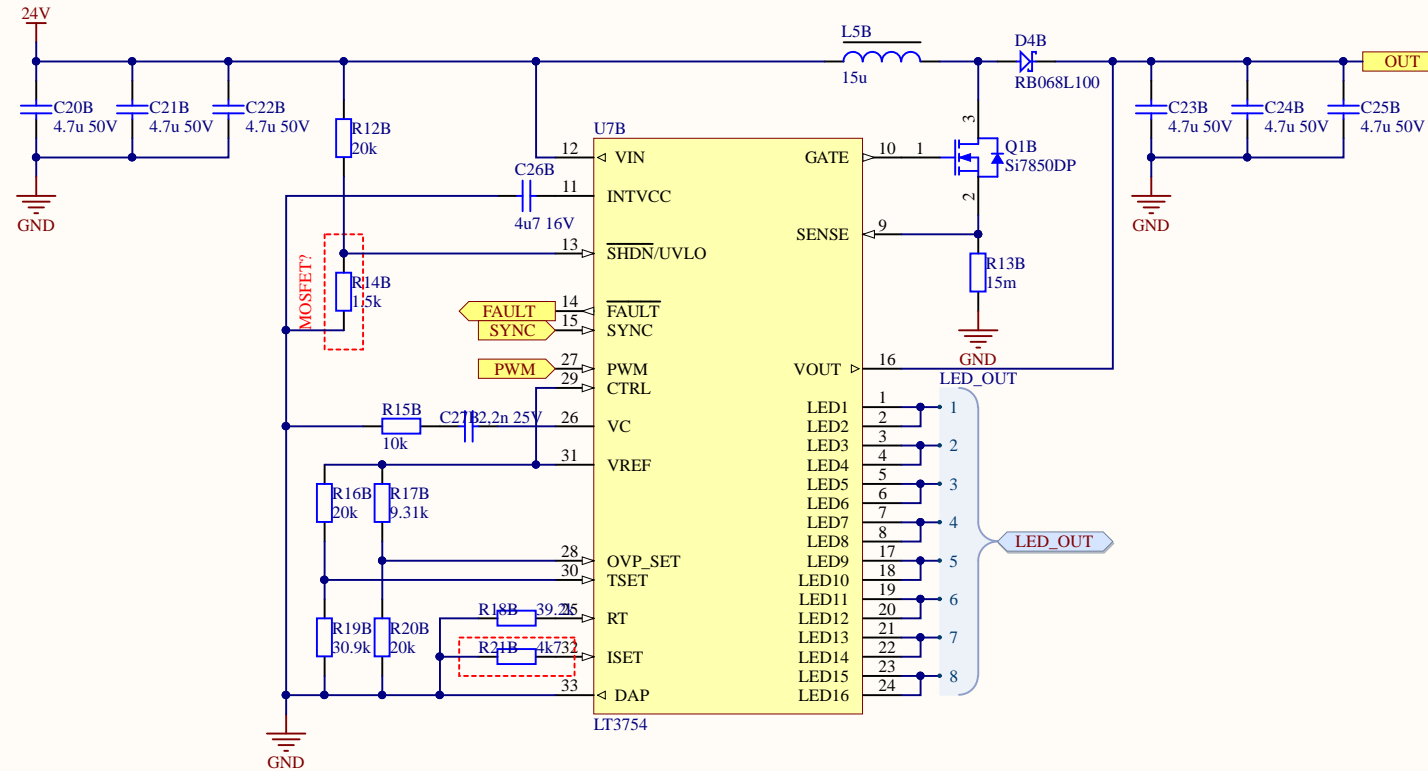
Title Input Protection			*
Project: Supernovum	Size: A4	Revision: *	*
Date: 27.08.2016	Time: 21:43:09	Sheet 10 of 15	
File: C:\Users\Moritz\Seafire\PCB\Projects\Supernova\dev\Driver\input_protection.SchDoc			





Title LED Panel Driver			*
Project: Supernovum	Size: A4	Revision: *	*
Date: 27.08.2016	Time: 21:43:09	Sheet 11 of 15	
File: C:\Users\Moritz\Seafire\PCB\Projects\Supernova\dev\Driver\Driver-Panel.SchDoc			

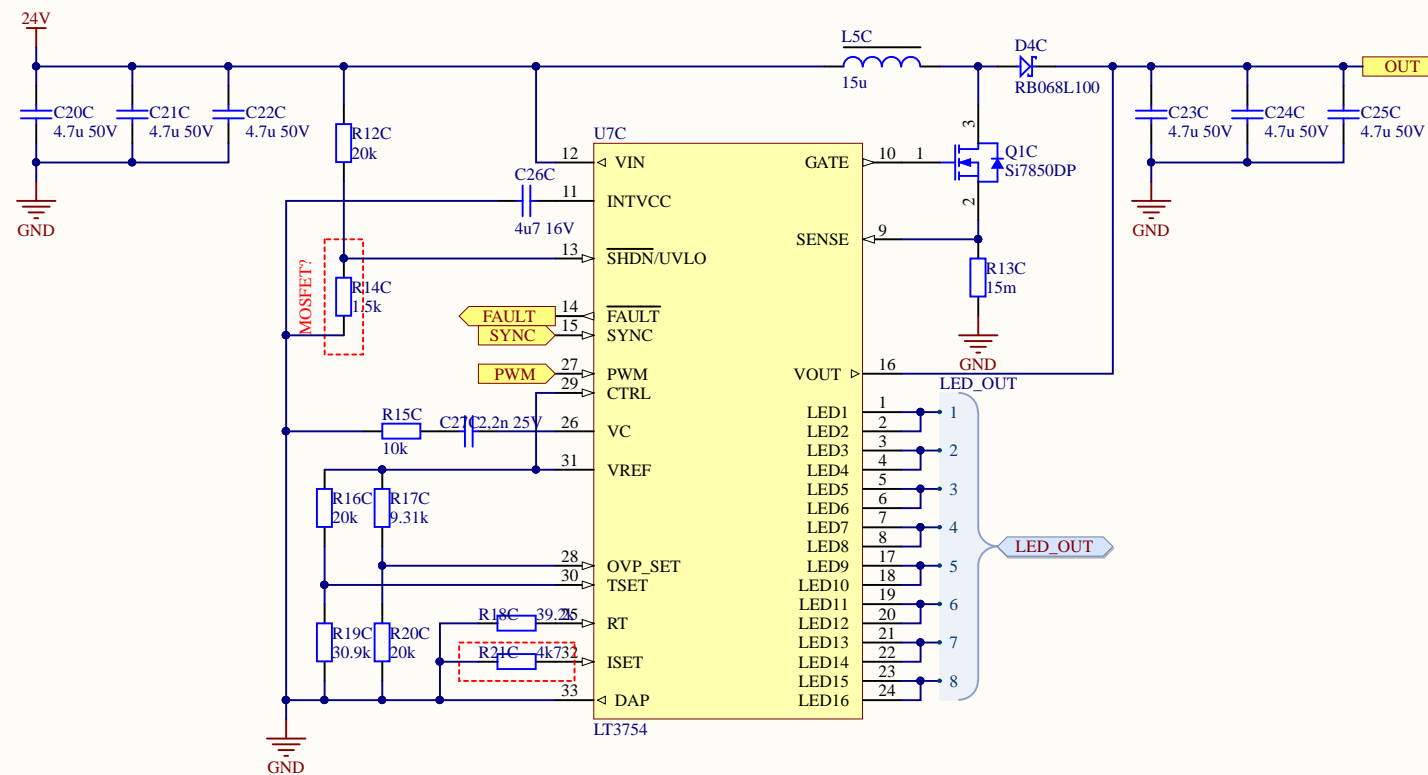




▲ Duris E5:
100mA@3V
8Strings à 14LEDs

Title LED Panel Driver			*
Project: Supernovum	Size: A4	Revision: *	*
Date: 27.08.2016	Time: 21:43:09	Sheet 11 of 15	
File: C:\Users\Moritz\Seafire\PCB\Projects\Supernova\dev\Driver\Driver-Panel.SchDoc			





Title LED Panel Driver			*
Project: Supernovum	Size: A4	Revision: *	*
Date: 27.08.2016	Time: 21:43:09	Sheet 11 of 15	
File: C:\Users\Moritz\Seafire\PCB\Projects\Supernova\dev\Driver\Driver-Panel.SchDoc			



1

2

3

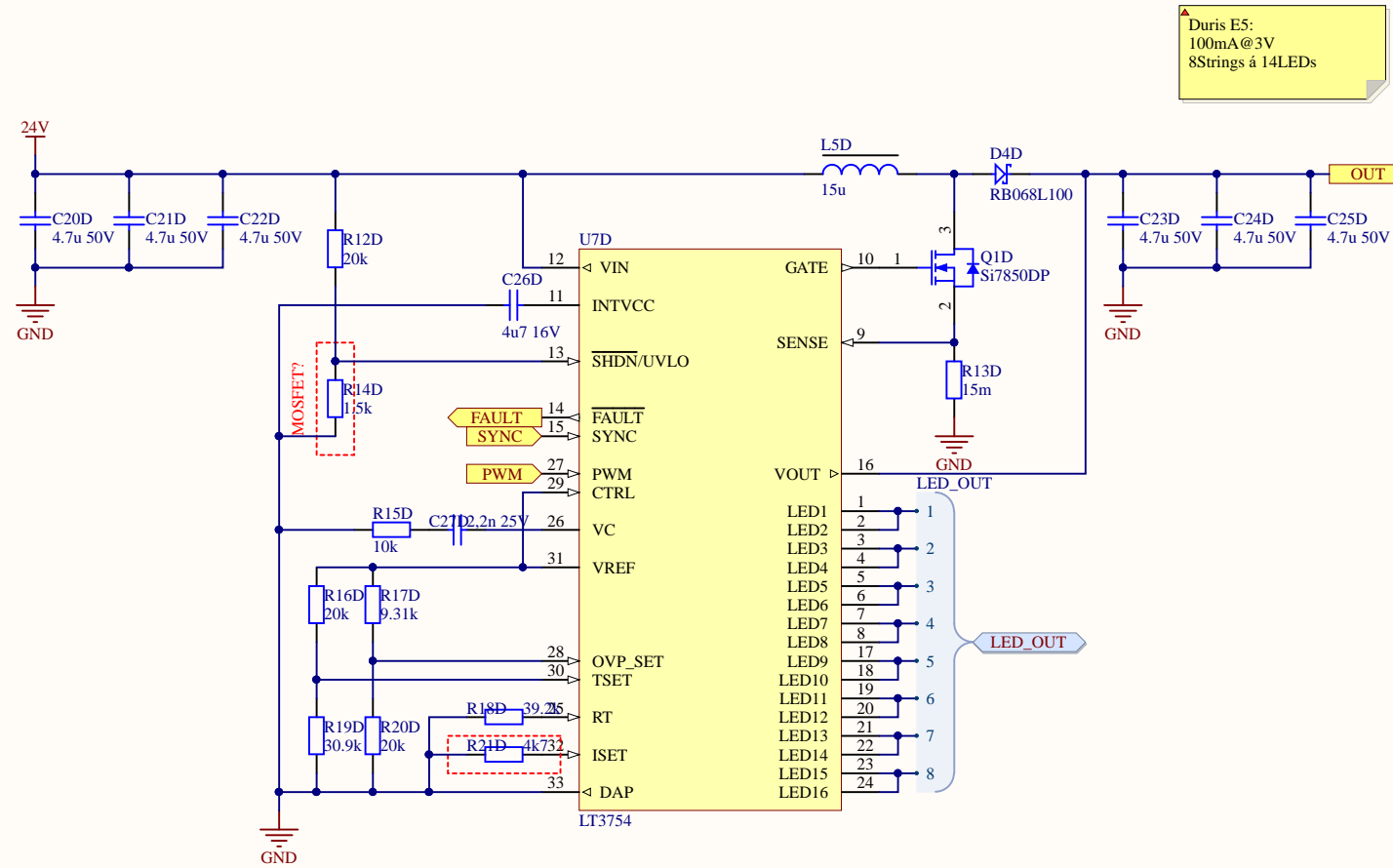
4

A

B

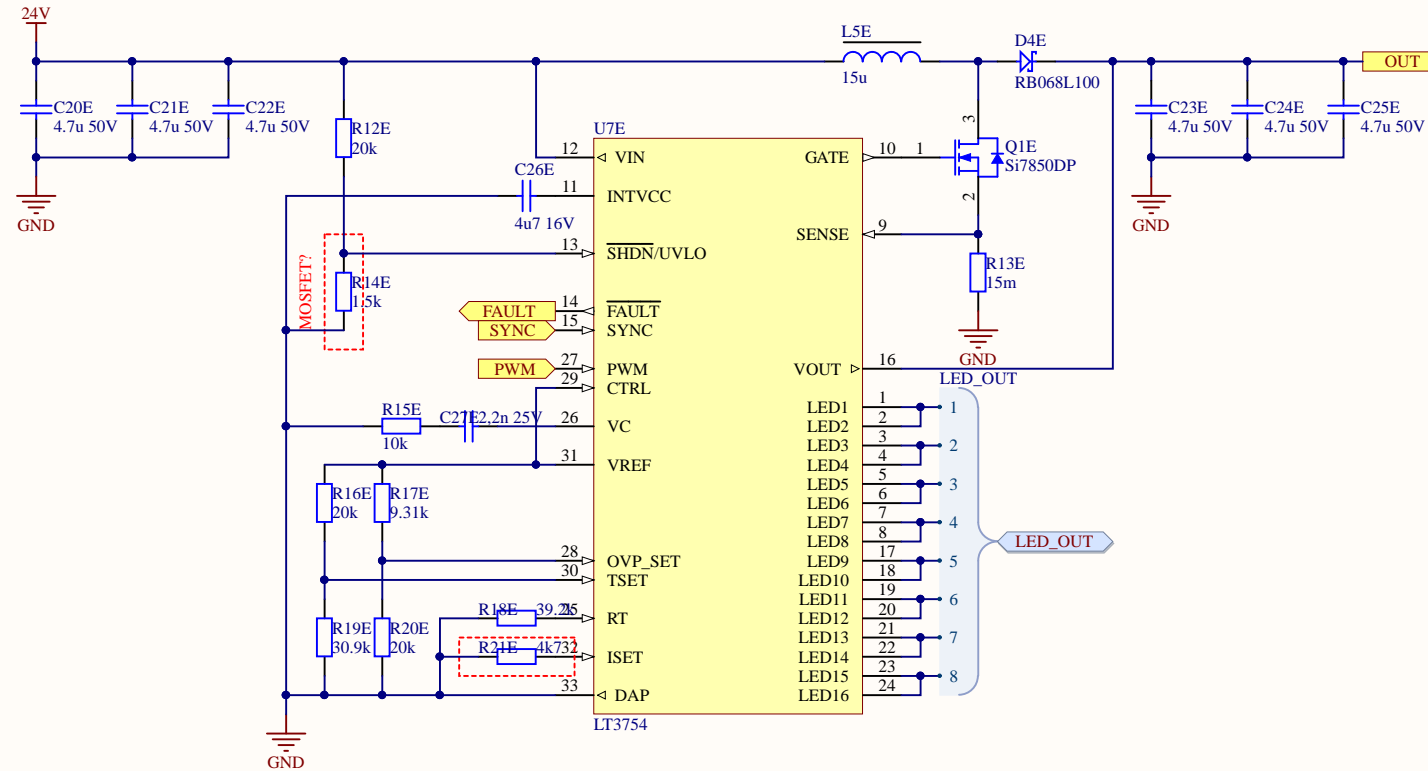
C

D



Title LED Panel Driver			*
Project: Supernovum	Size: A4	Revision: *	*
Date: 27.08.2016	Time: 21:43:09	Sheet 11 of 15	
File: C:\Users\Moritz\Seafire\PCB\Projects\Supernova\dev\Driver\Driver-Panel.SchDoc			





Title LED Panel Driver			*
Project: Supernovum	Size: A4	Revision: *	*
Date: 27.08.2016	Time: 21:43:09	Sheet 11 of 15	
File: C:\Users\Moritz\Seafire\PCB\Projects\Supernova\dev\Driver\Driver-Panel.SchDoc			

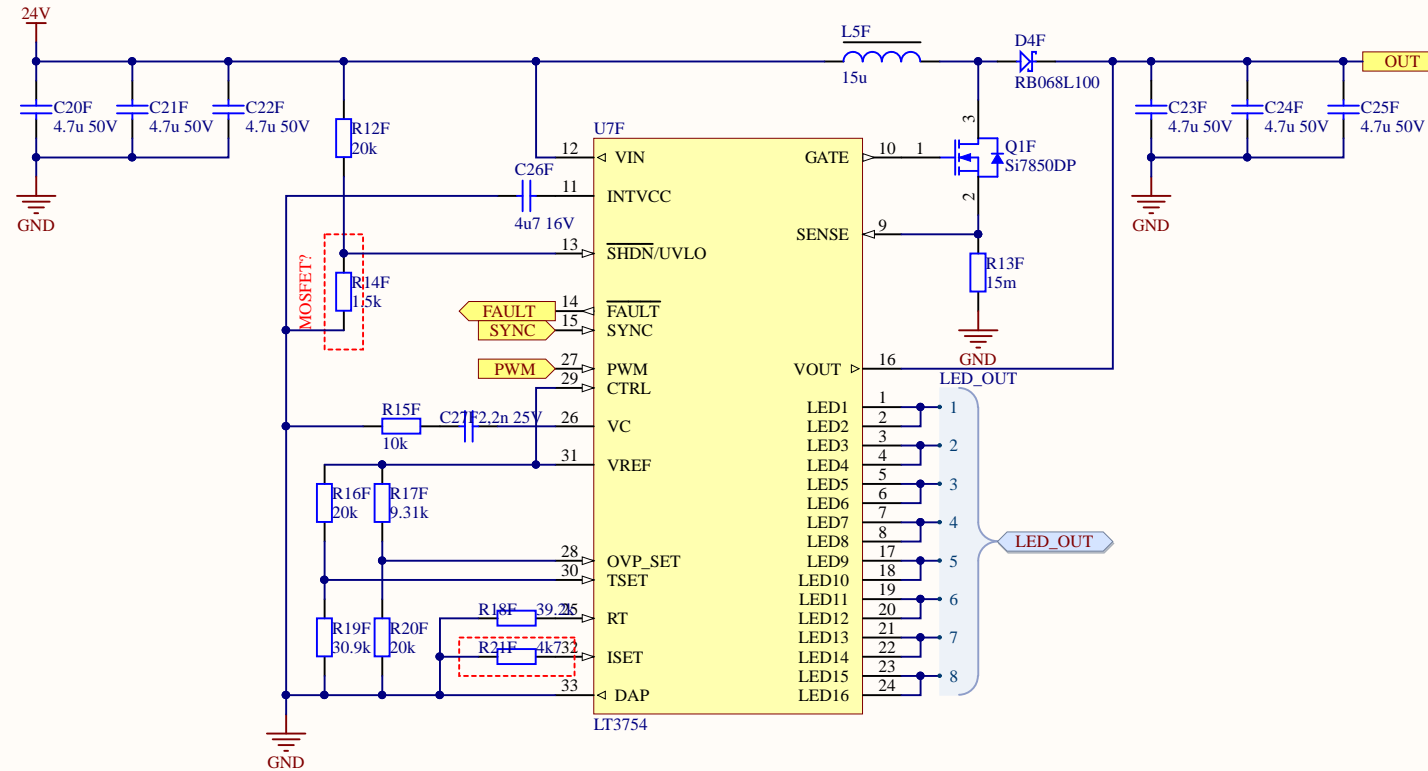


1

2

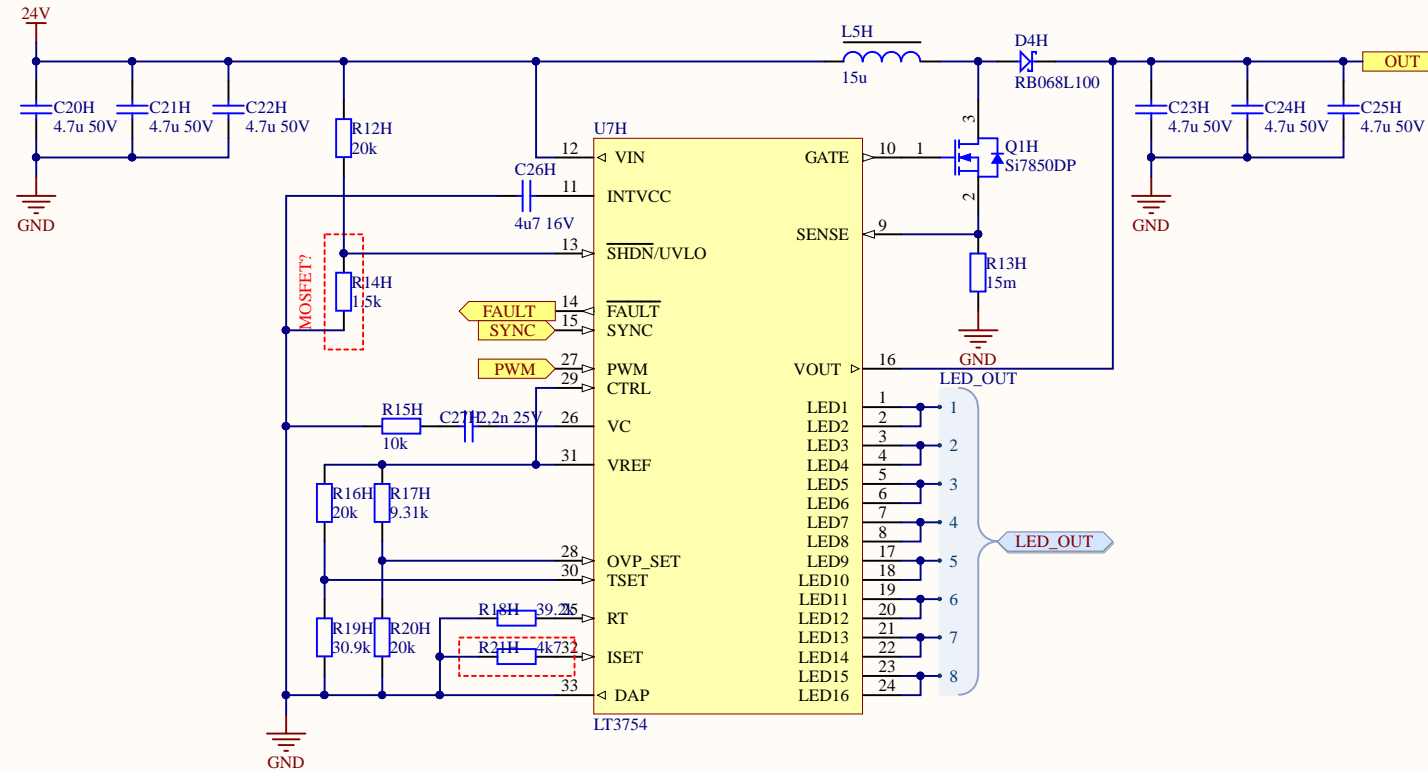
3

4



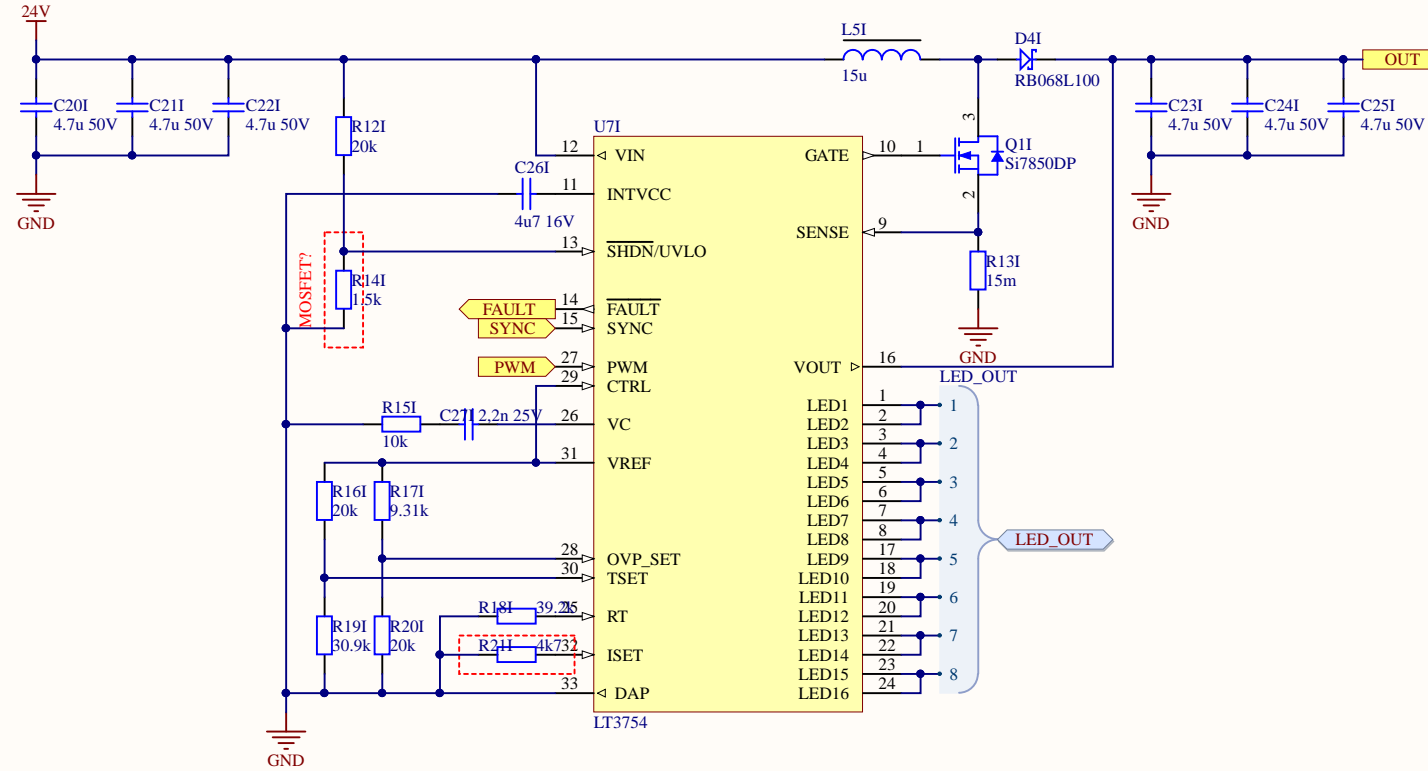
Title LED Panel Driver			*
Project: Supernovum	Size: A4	Revision: *	*
Date: 27.08.2016	Time: 21:43:10	Sheet 11 of 15	
File: C:\Users\Moritz\Seafire\PCB\Projects\Supernova\dev\Driver\Driver-Panel.SchDoc			





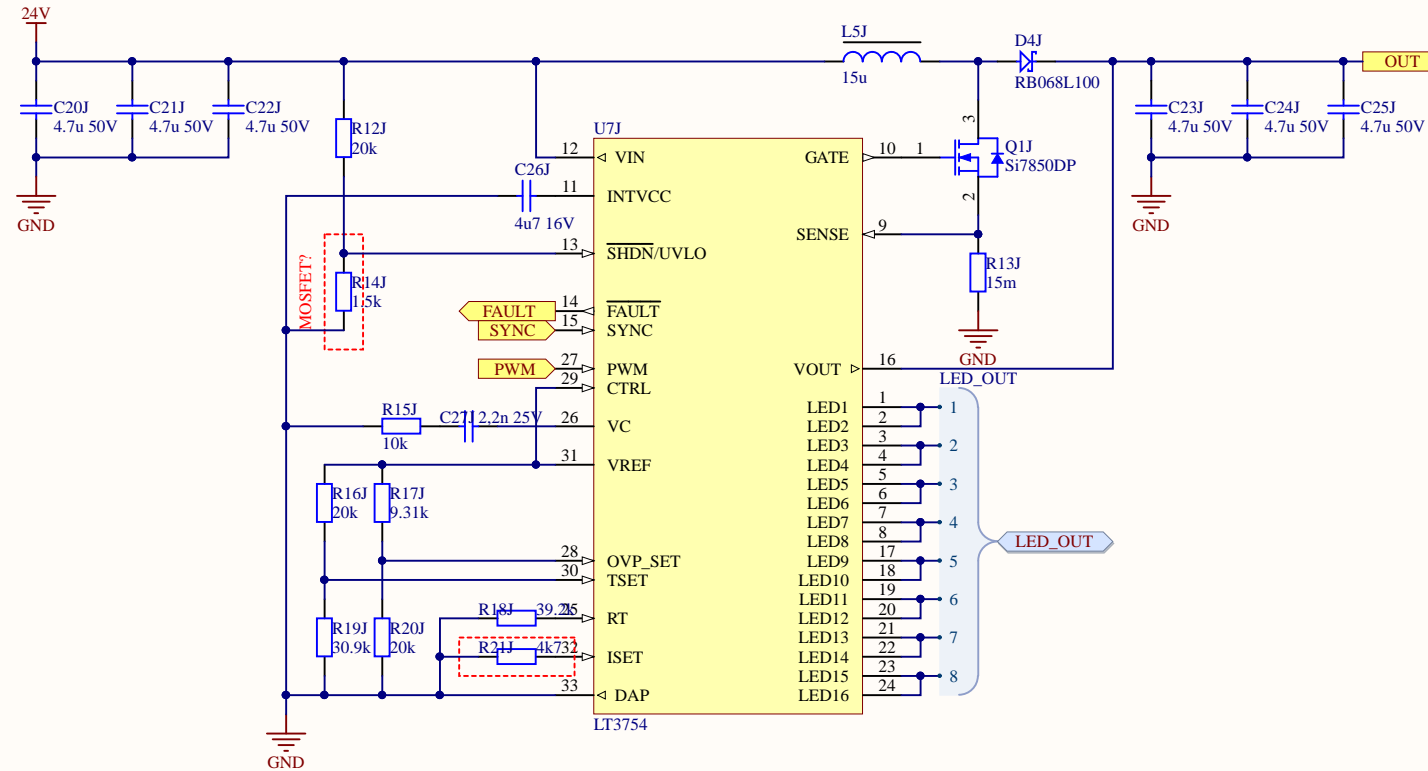
Title LED Panel Driver			*
Project: Supernovum	Size: A4	Revision: *	*
Date: 27.08.2016	Time: 21:43:10	Sheet 11 of 15	
File: C:\Users\Moritz\Seafire\PCB\Projects\Supernova\dev\Driver\Driver-Panel.SchDoc			





Title LED Panel Driver			*
Project: Supernovum	Size: A4	Revision: *	*
Date: 27.08.2016	Time: 21:43:10	Sheet 11 of 15	
File: C:\Users\Moritz\Seafire\PCB\Projects\Supernova\dev\Driver\Driver-Panel.SchDoc			





Title LED Panel Driver			*
Project: Supernovum	Size: A4	Revision: *	*
Date: 27.08.2016	Time: 21:43:10	Sheet 11 of 15	
File: C:\Users\Moritz\Seafire\PCB\Projects\Supernova\dev\Driver\Driver-Panel.SchDoc			

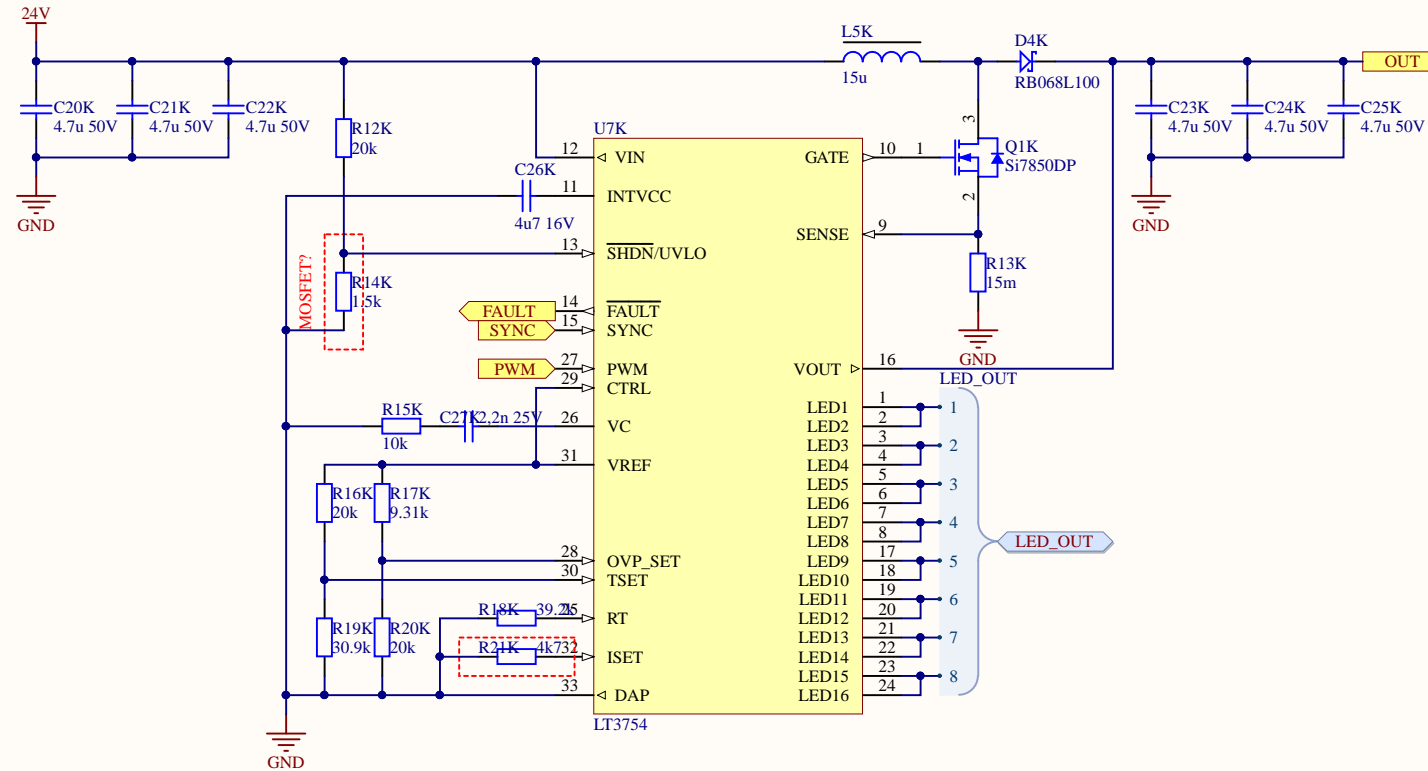


1

2

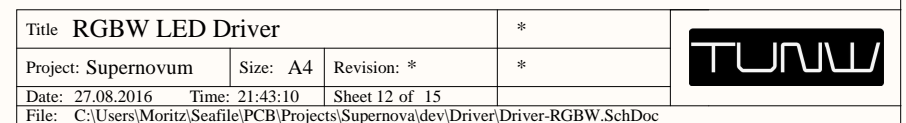
3

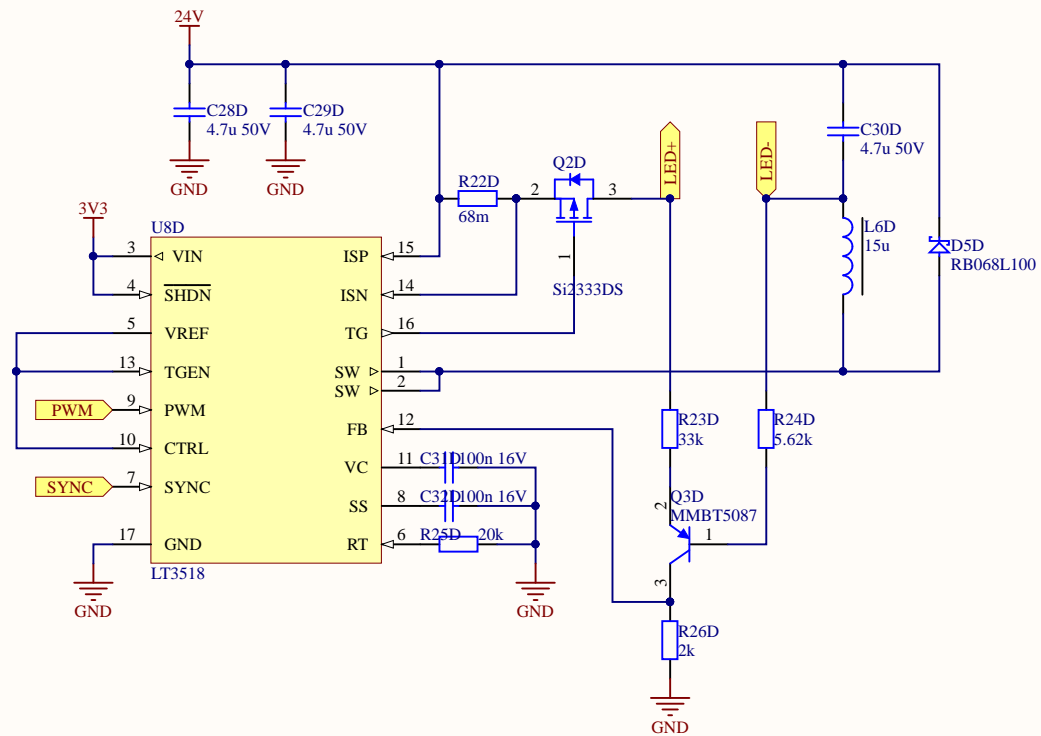
4



Title LED Panel Driver			*
Project: Supernovum	Size: A4	Revision: *	*
Date: 27.08.2016	Time: 21:43:10	Sheet 11 of 15	
File: C:\Users\Moritz\Seafire\PCB\Projects\Supernova\dev\Driver\Driver-Panel.SchDoc			







Title RGBW LED Driver			*
Project: Supernovum	Size: A4	Revision: *	*
Date: 27.08.2016	Time: 21:43:10	Sheet 12 of 15	
File: C:\Users\Moritz\Seafire\PCB\Projects\Supernova\dev\Driver\Driver-RGBW.SchDoc			

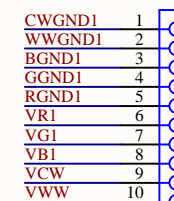
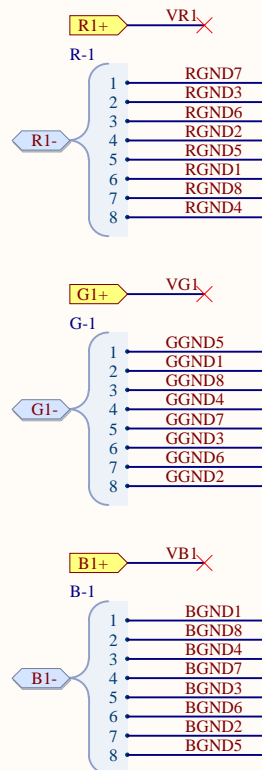
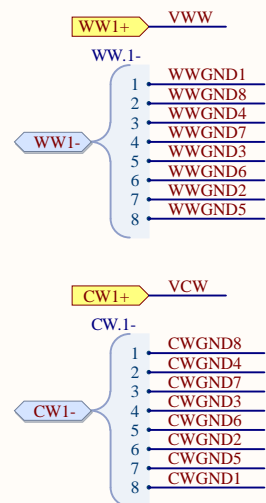


1

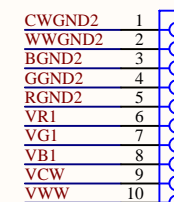
2

3

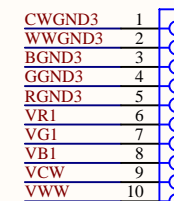
4



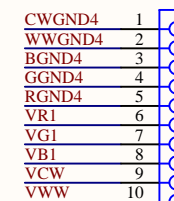
X3



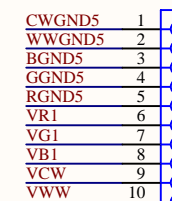
X5



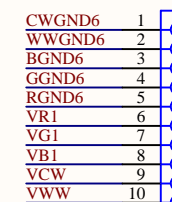
X7



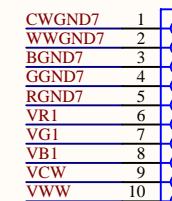
X9



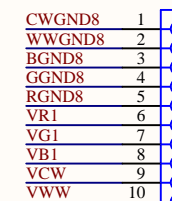
X4



X6



X8



X10

Title LED Panel Connectors - Top

*

Project: Supernovum

Size: A4

Revision: *

*

Date: 27.08.2016

Time: 21:43:10

Sheet 13 of 15

File: C:\Users\Moritz\Seafire\PCB\Projects\Supernova\dev\Driver\Connectors-top.SchDoc

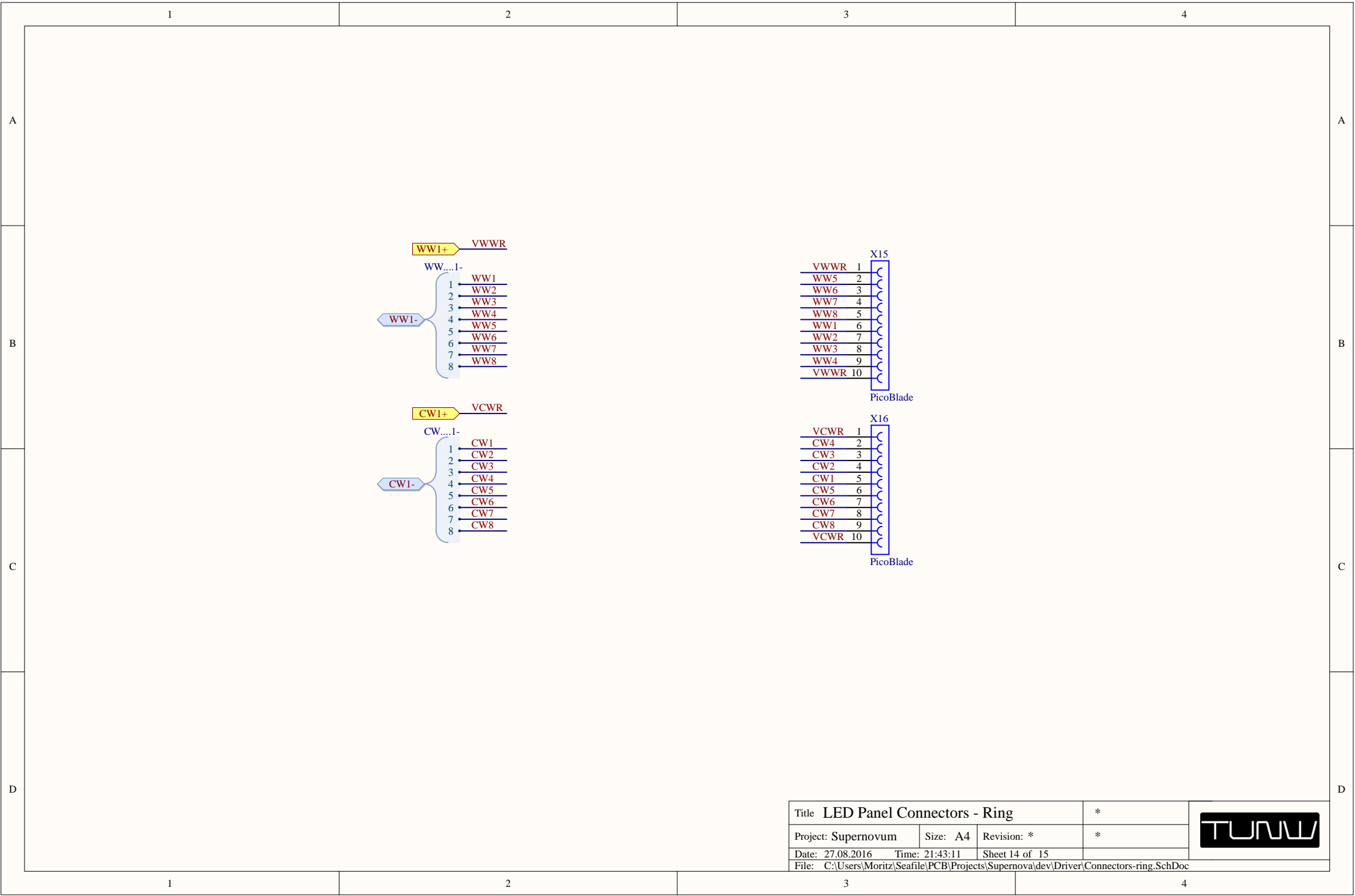


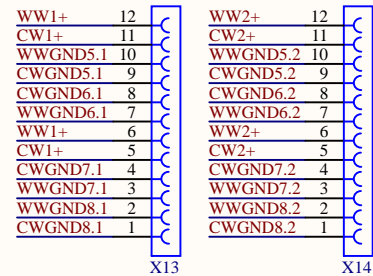
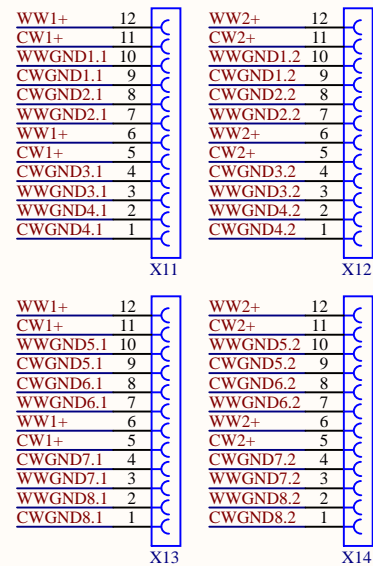
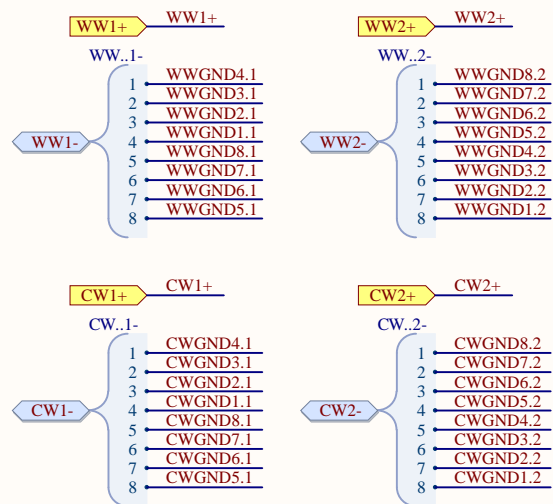
1

2

3

4





Title LED Panel Connectors - Bot			*
Project: Supernovum	Size: A4	Revision: *	*
Date: 27.08.2016	Time: 21:43:11	Sheet 15 of 15	
File: C:\Users\Moritz\Seafire\PCB\Projects\Supernova\dev\Driver\Connectors-bot.SchDoc			

