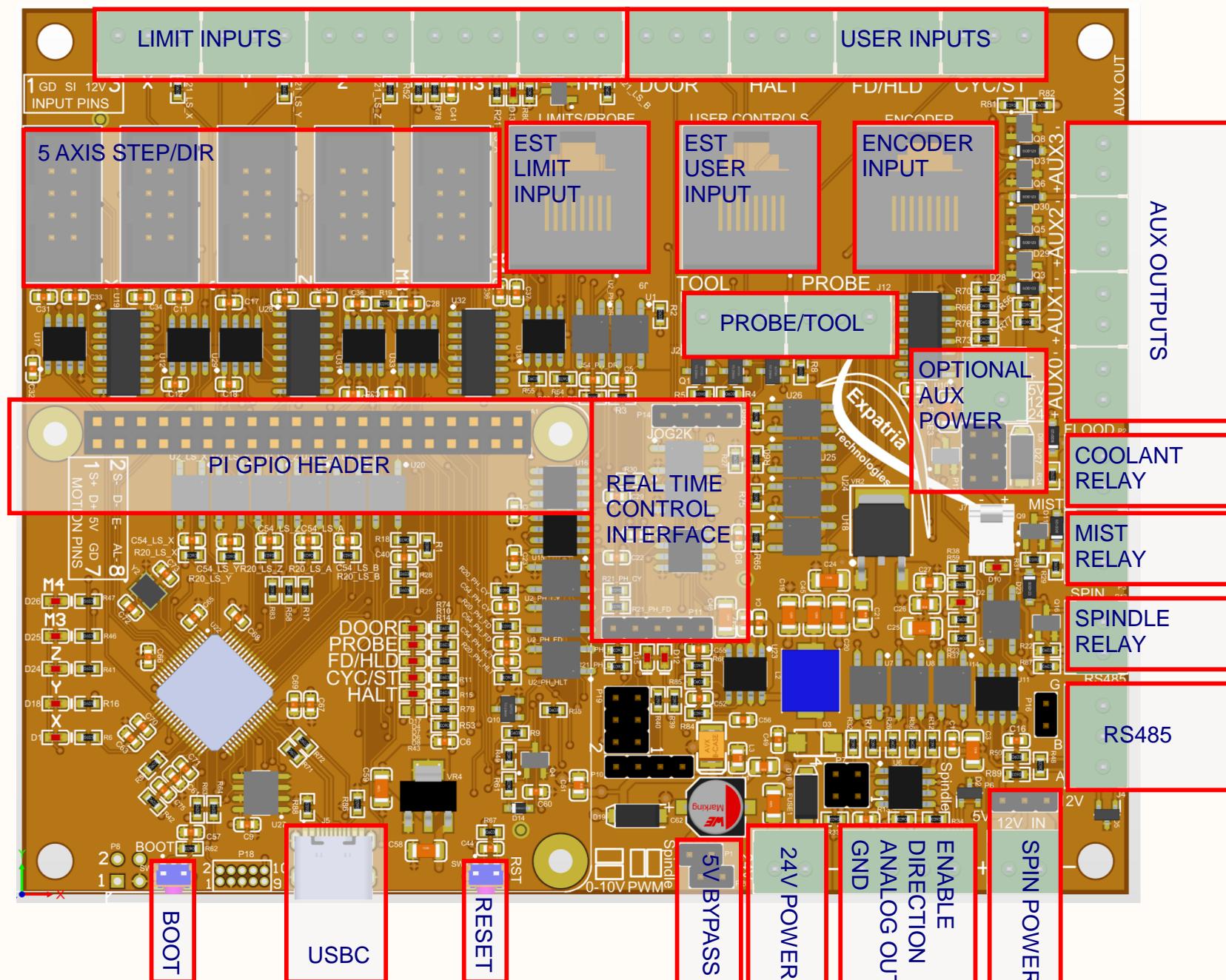


Flexi-HAL 2000 CNC Controller



ZZ1 Assembly Note

These assemblies are ESD sensitive, ESD precautions shall be observed.

ZZ2 Assembly Note

These assemblies must be clean and free from flux and all contaminants. Use of no clean flux is not acceptable.

ZZ3 Assembly Note

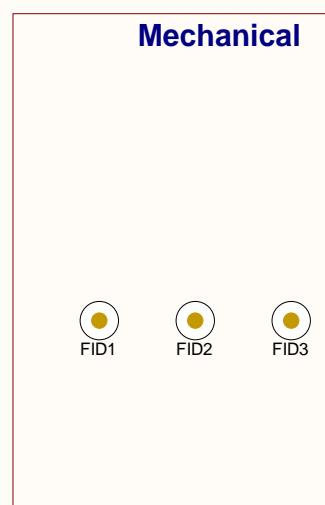
These assemblies must comply with workmanship standards IPC-A-610 Class 2, unless otherwise specified.

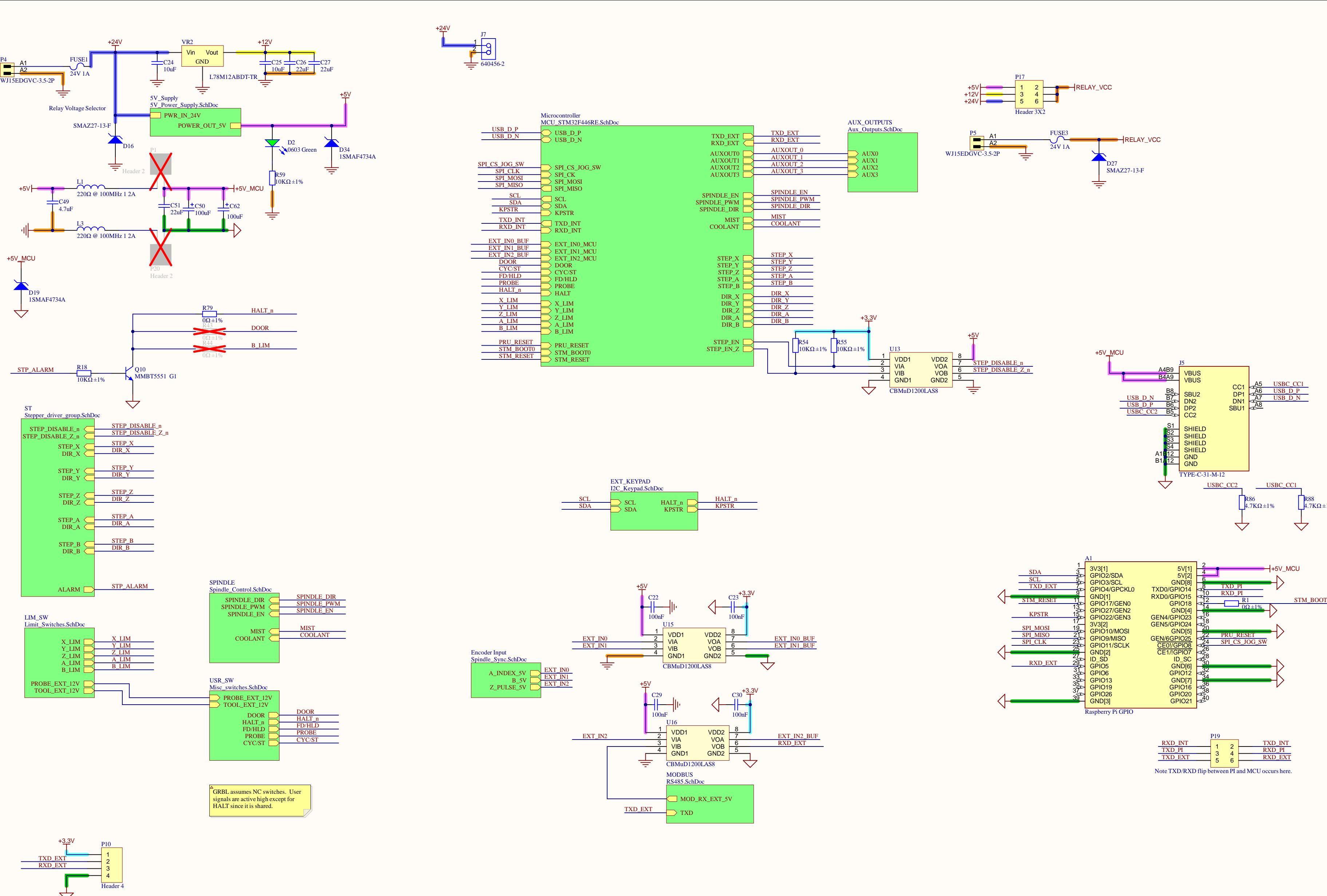
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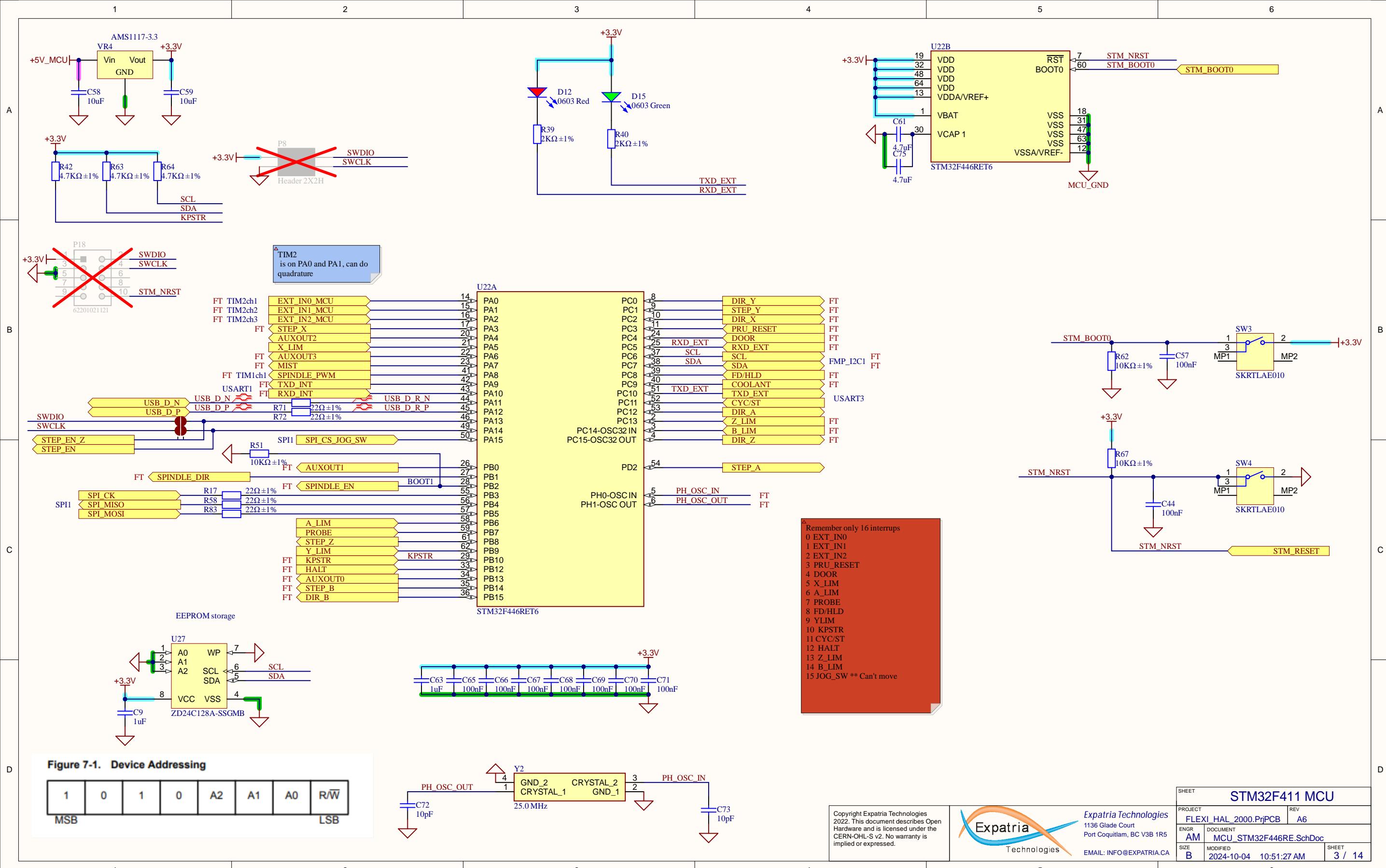


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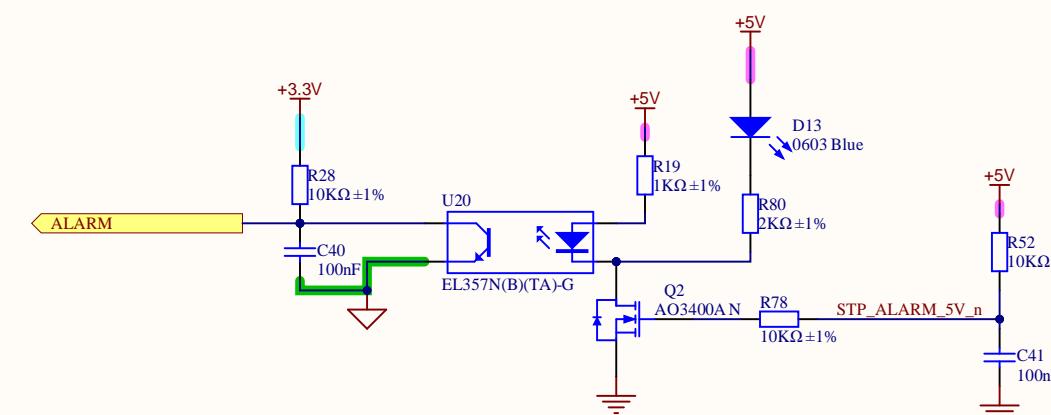
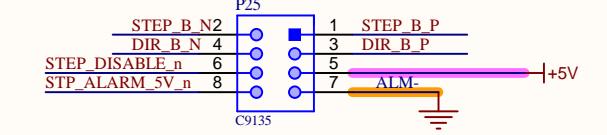
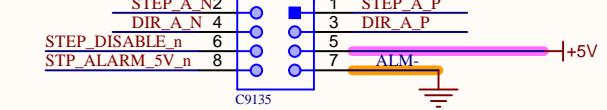
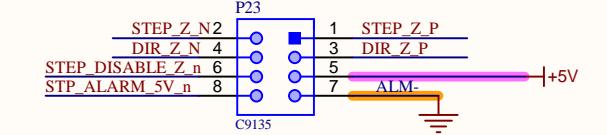
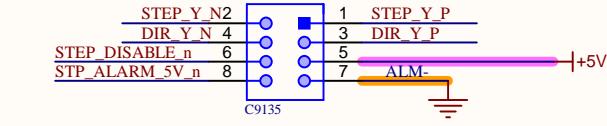
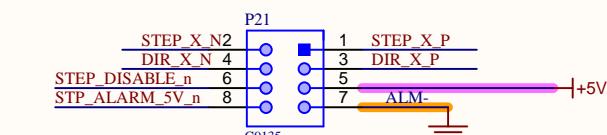
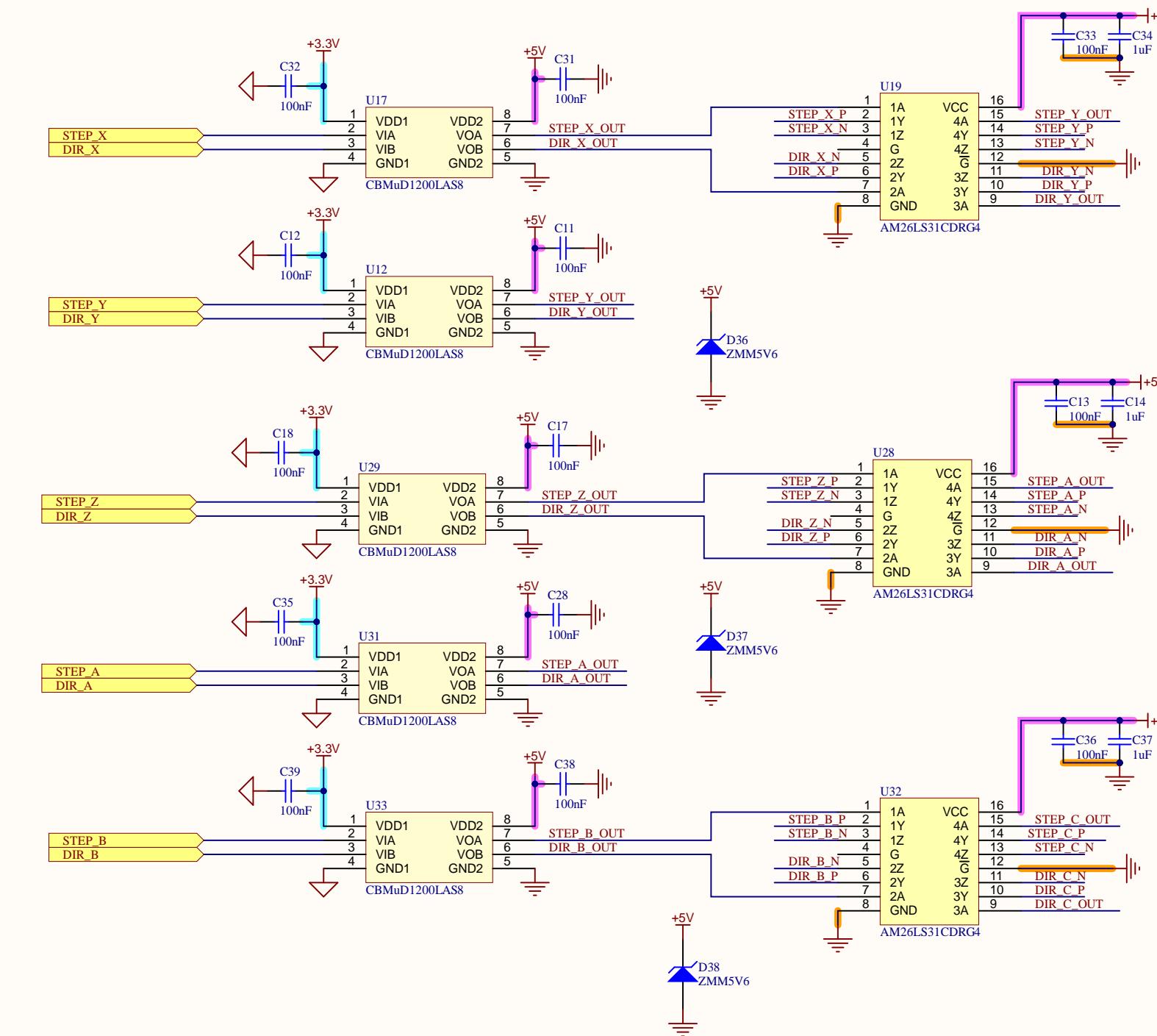
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SIZE	MODIFIED	SHEET
B	2024-10-04 10:51:26 AM	1 / 14

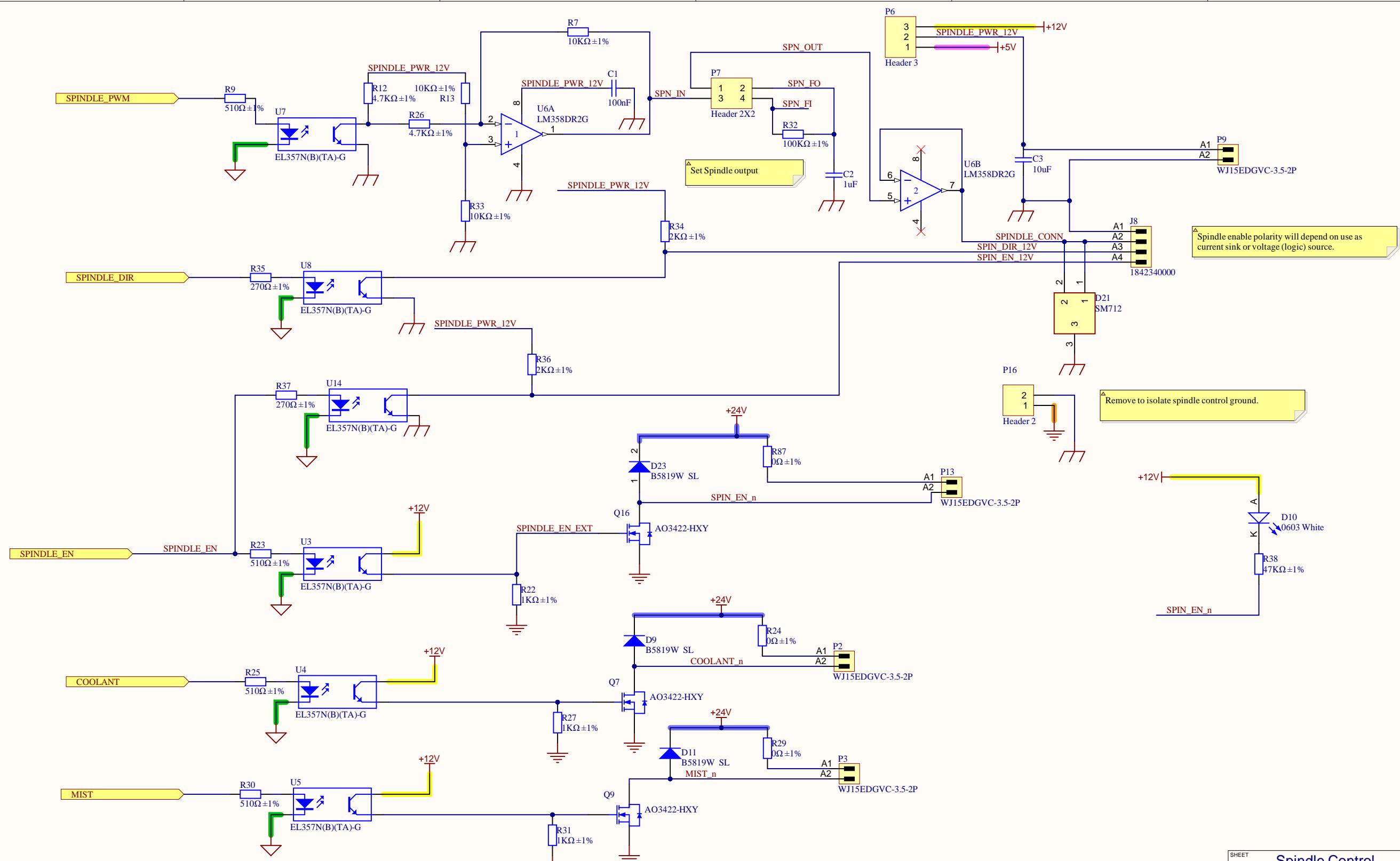






STEP_DISABLE_n
STEP_DISABLE_Z_n



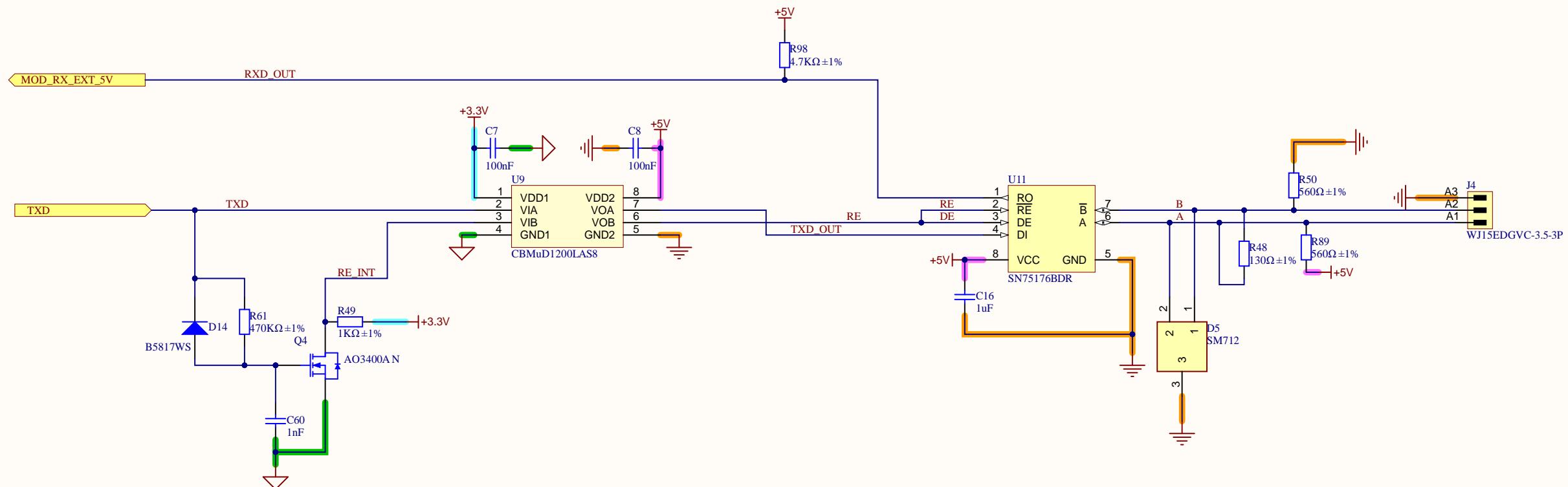


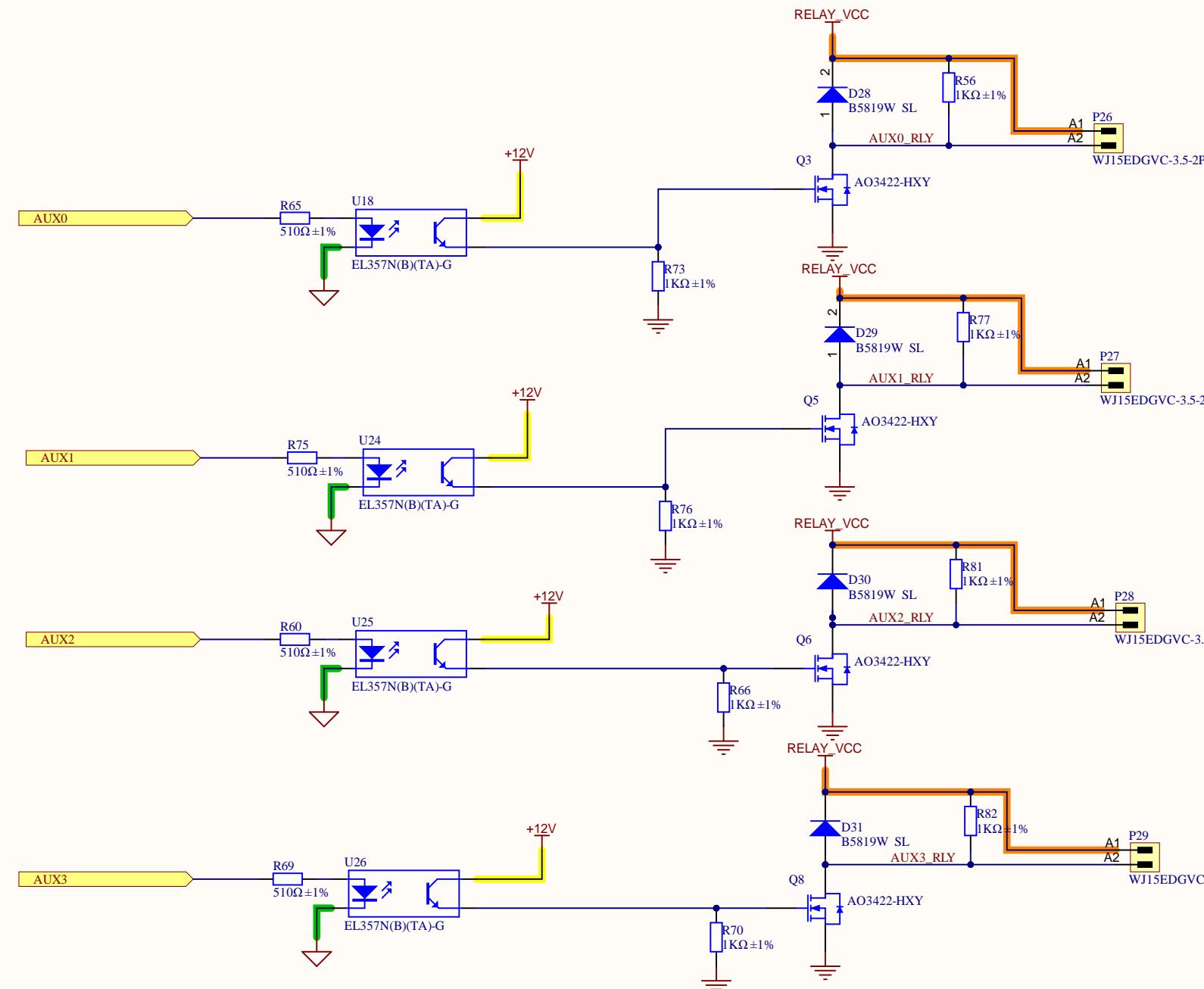
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Spindle Control	
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ENGR	DOCUMENT
AM	Spindle_Control.SchDoc
SIZE	MODIFIED
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SHEET 5 / 14	





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Spindle Control	
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FLEXI_HAL_2000.PnjPCB	A6
ENGR	DOCUMENT
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SIZE	MODIFIED
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	10/ 14

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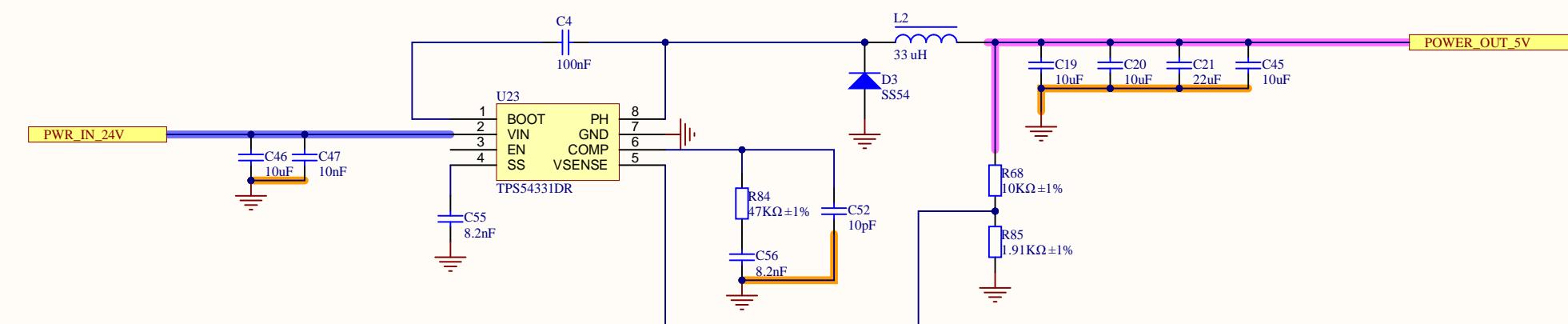
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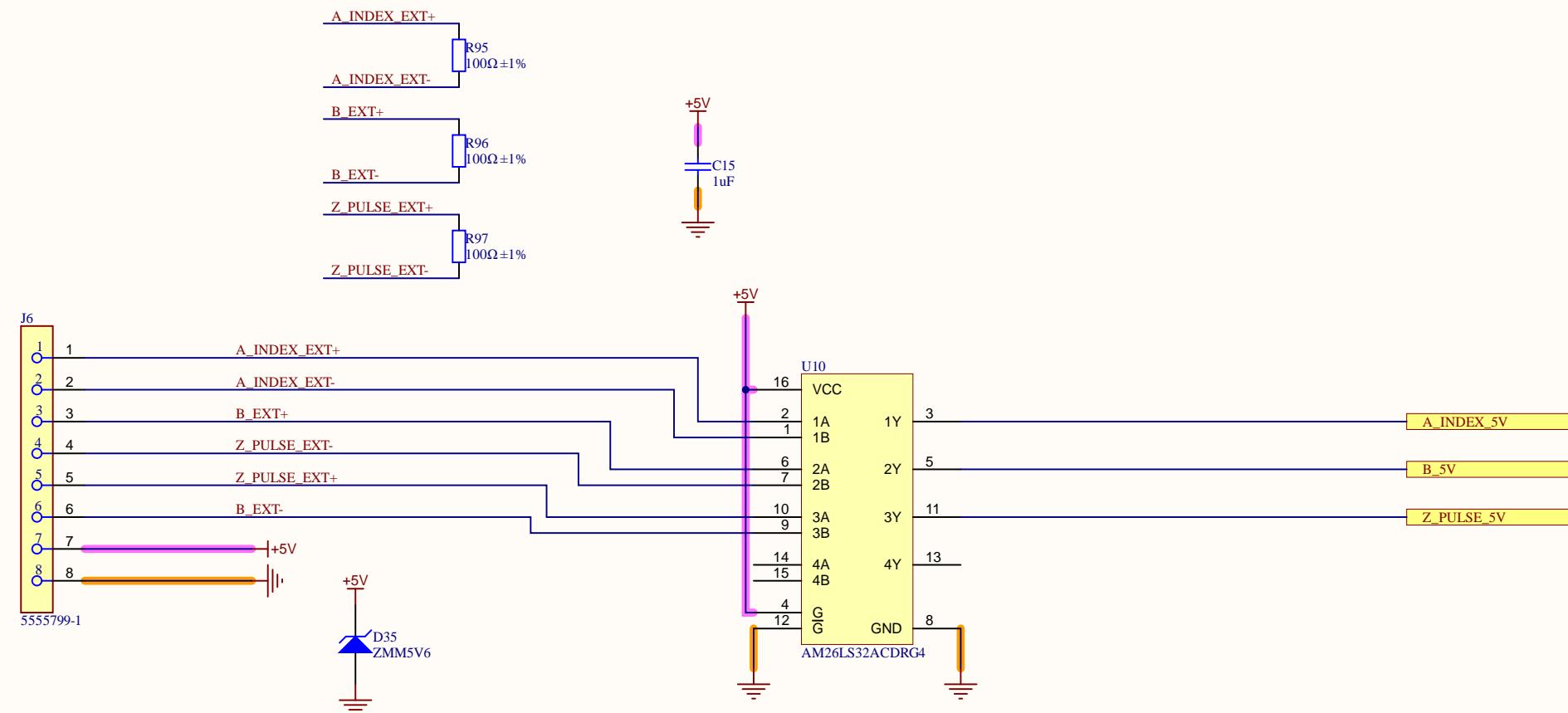


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ENGR	DOCUMENT	
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A

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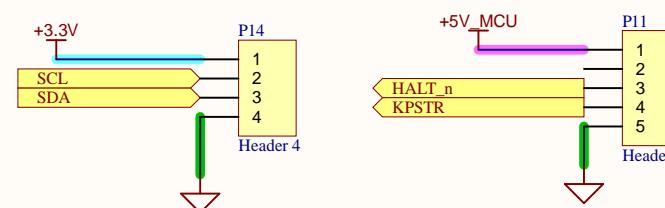
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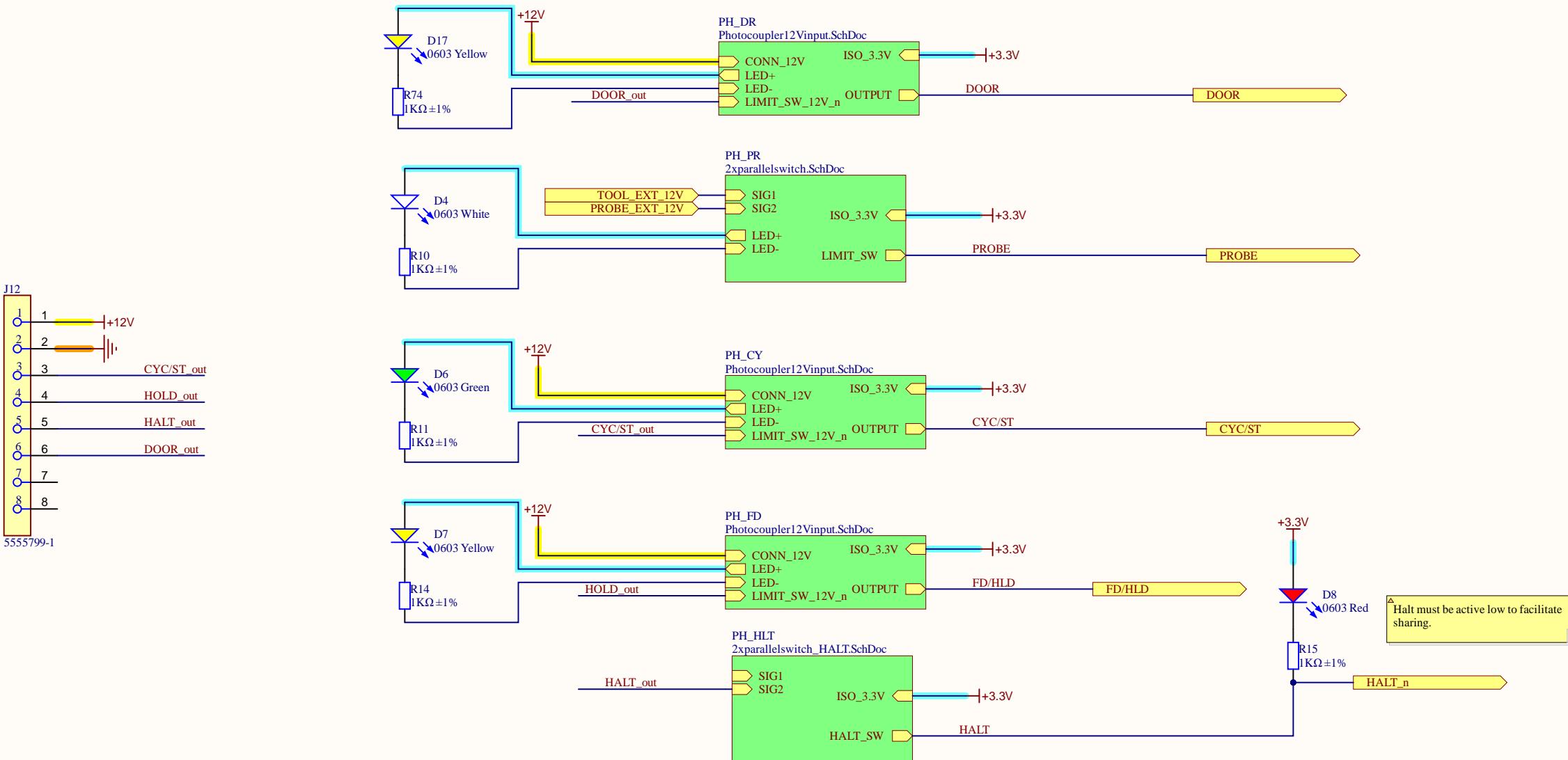
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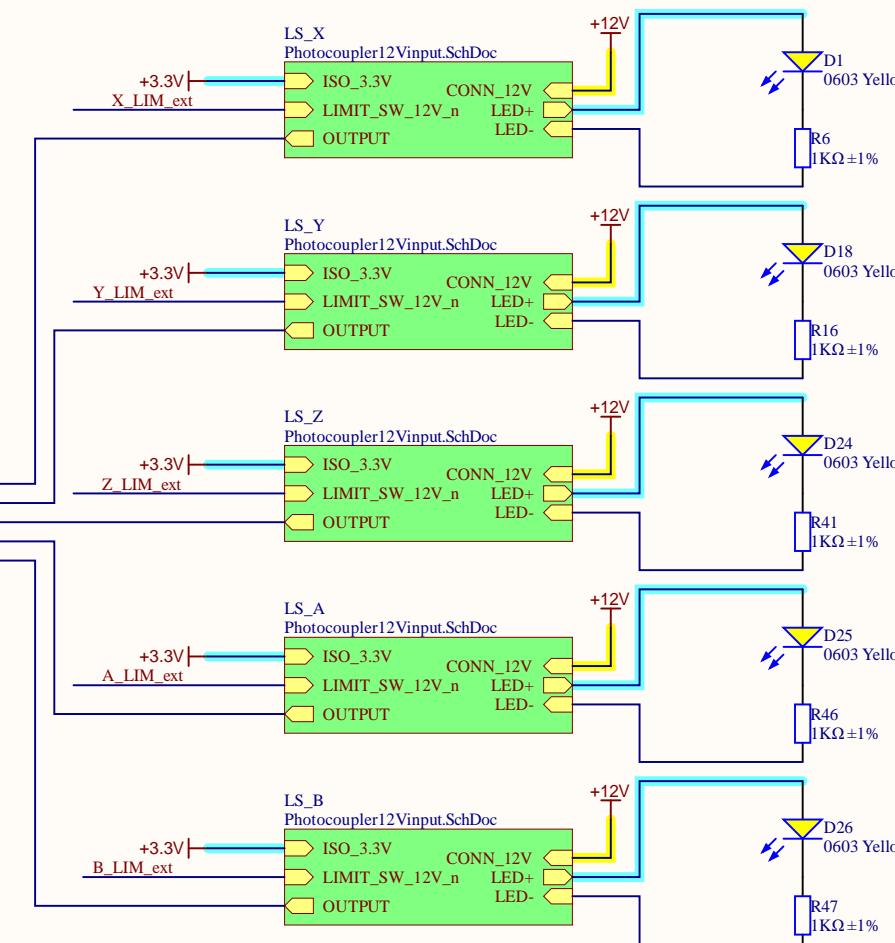
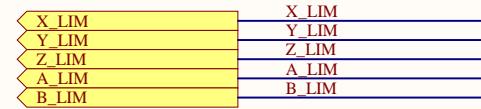
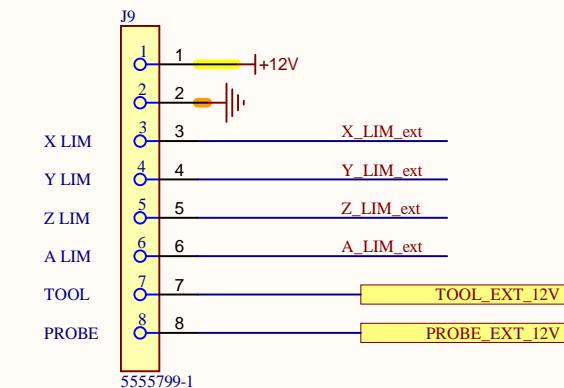
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△ Pendant is in MCU domain
HALT is active low.





A



A

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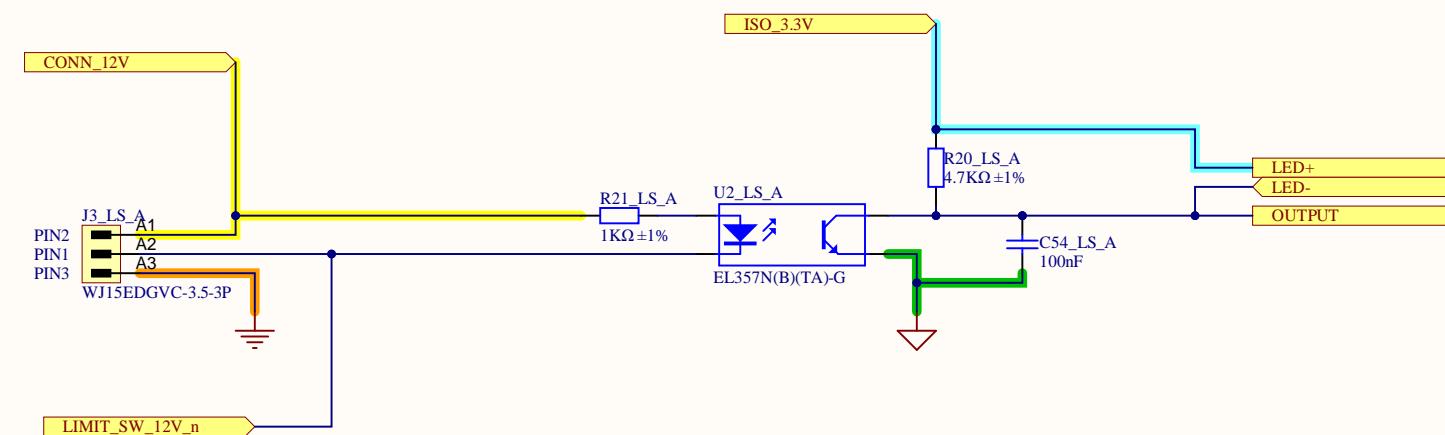
B

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FLEXI_HAL_2000.PnjPCB	A6	
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SIZE	MODIFIED	SHEET
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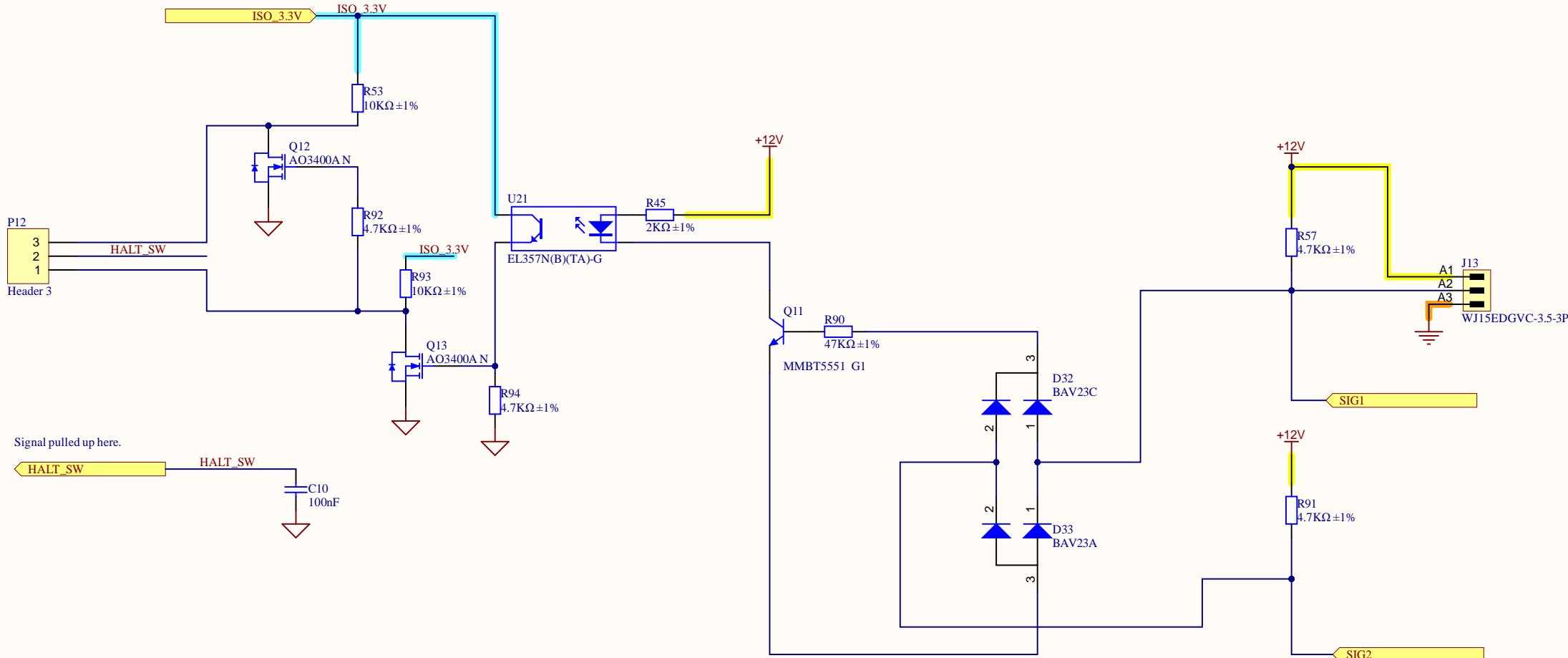
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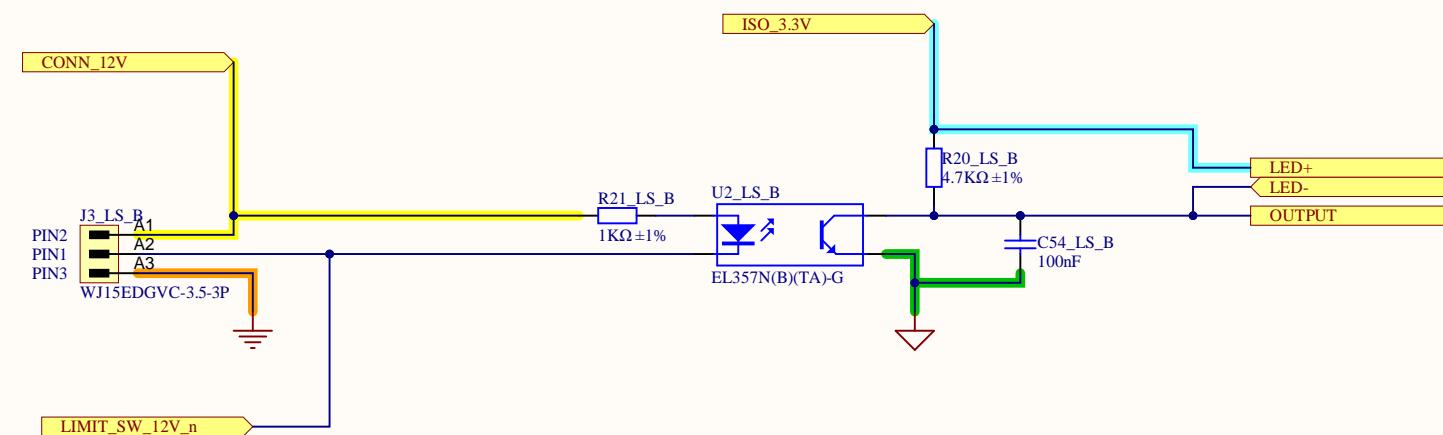
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SHEET Coupler 12V input		
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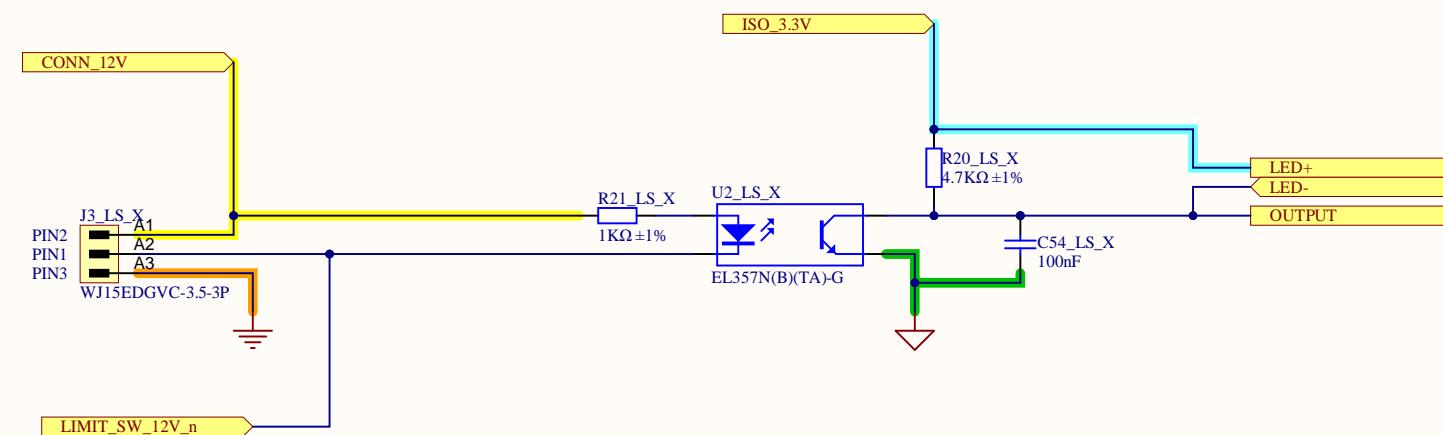
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SHEET Coupler 12V input		
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SIZE	MODIFIED	SHEET
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B

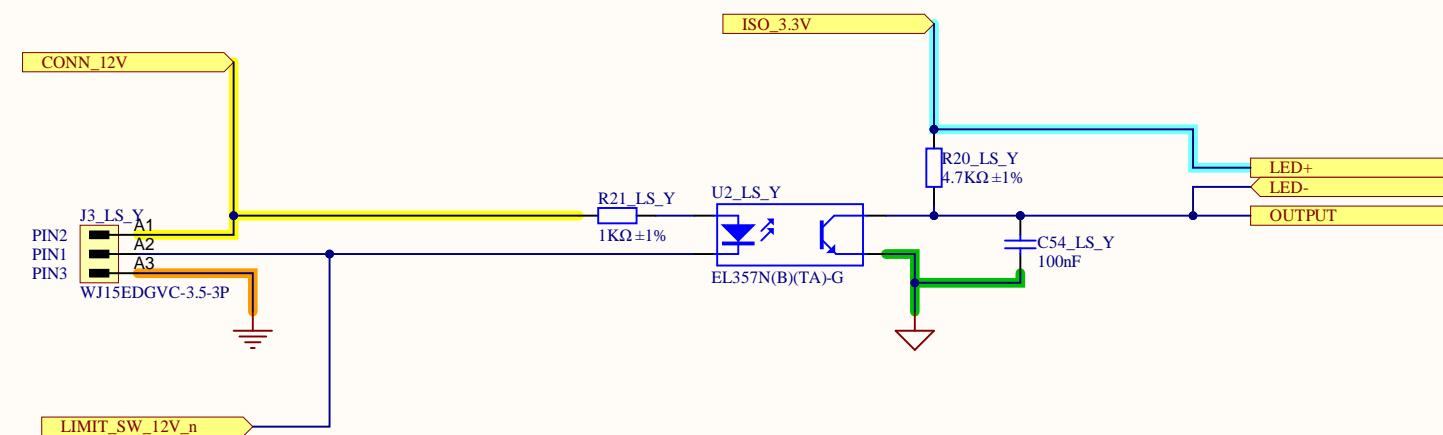
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SHEET Coupler 12V input		
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SIZE	MODIFIED	SHEET
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B

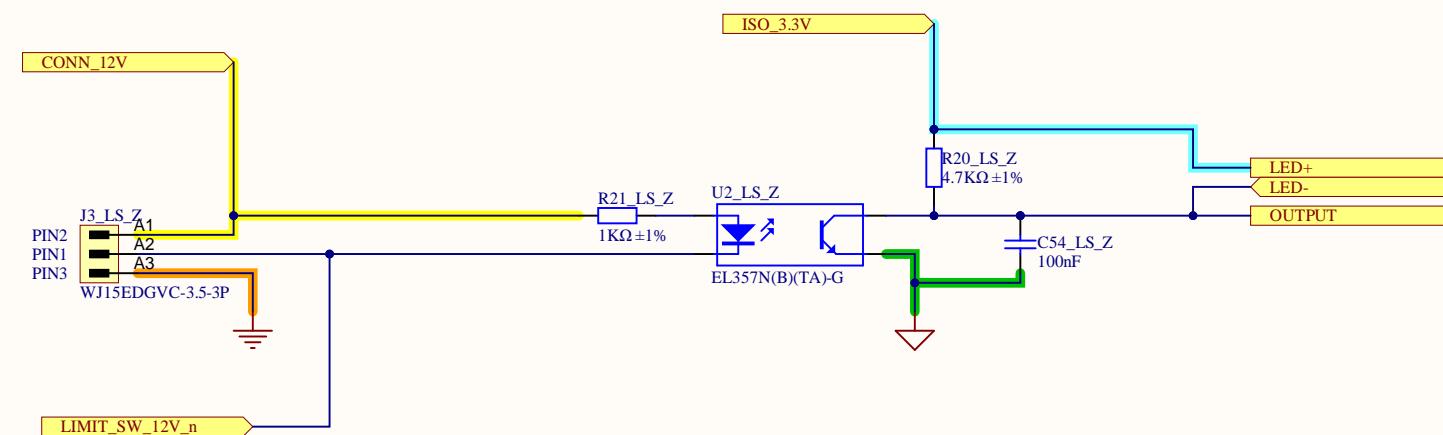
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SHEET Coupler 12V input		
PROJECT	REV	
ENGR	DOCUMENT	
FLEXI_HAL_2000.PnjPCB	A6	
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B	MODIFIED 2024-10-04 10:51:28 AM	SHEET 14/ 14

A

A

B

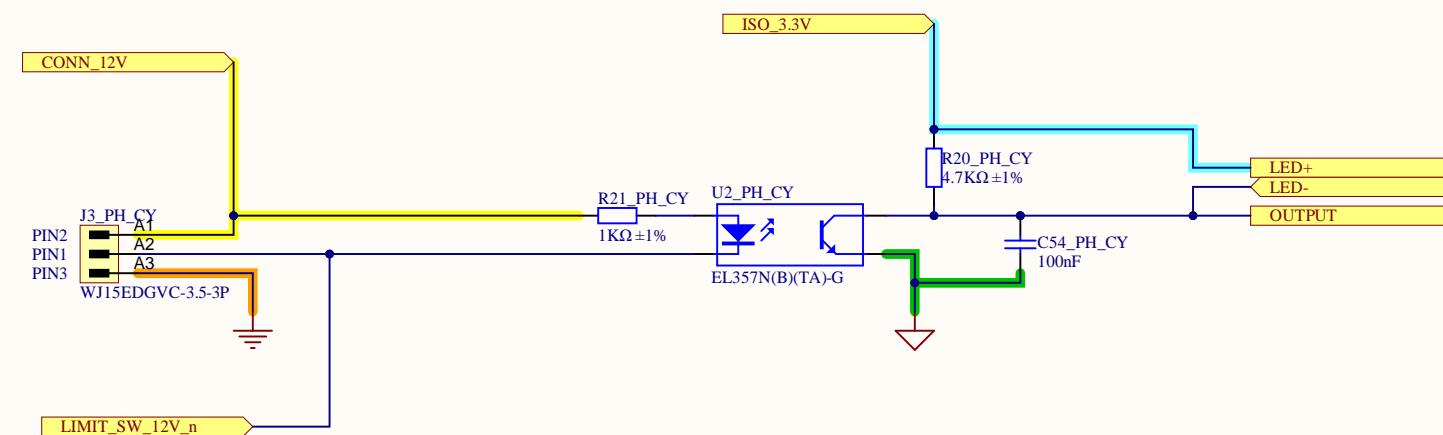
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SHEET Coupler 12V input		
PROJECT	REV	
ENGR	DOCUMENT	
FLEXI_HAL_2000.PnjPCB	A6	
AM	Photocoupler12Vinput.SchDoc	
B	MODIFIED 2024-10-04 10:51:28 AM	SHEET 14/ 14

A

A

B

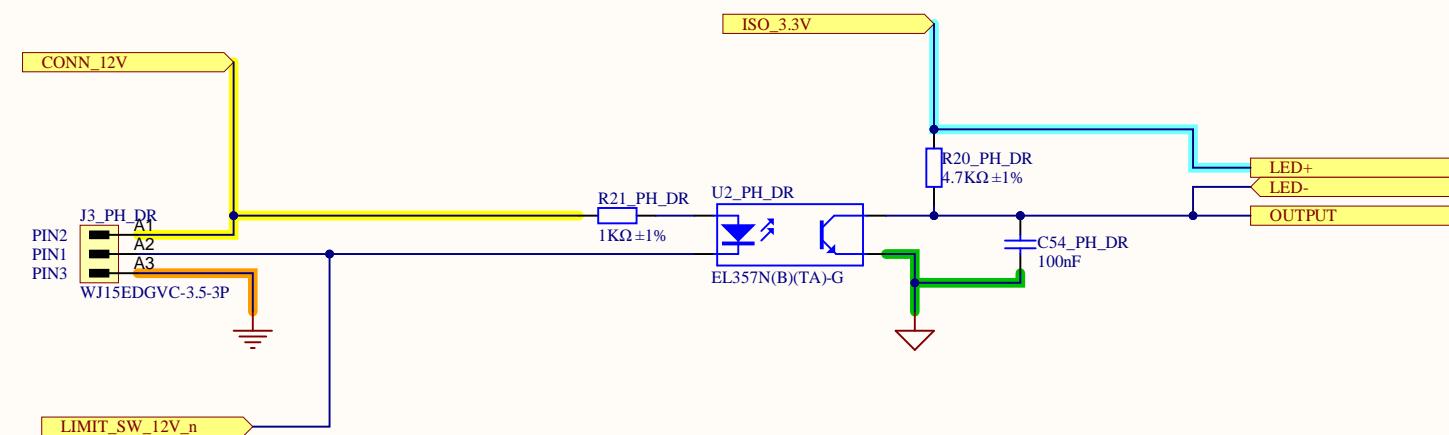
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SHEET Coupler 12V input		
PROJECT	REV	
FLEXI_HAL_2000.PnjPCB	A6	
ENGR	DOCUMENT	
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SIZE	MODIFIED	SHEET
B	2024-10-04 10:51:28 AM	14/ 14

A

A

B

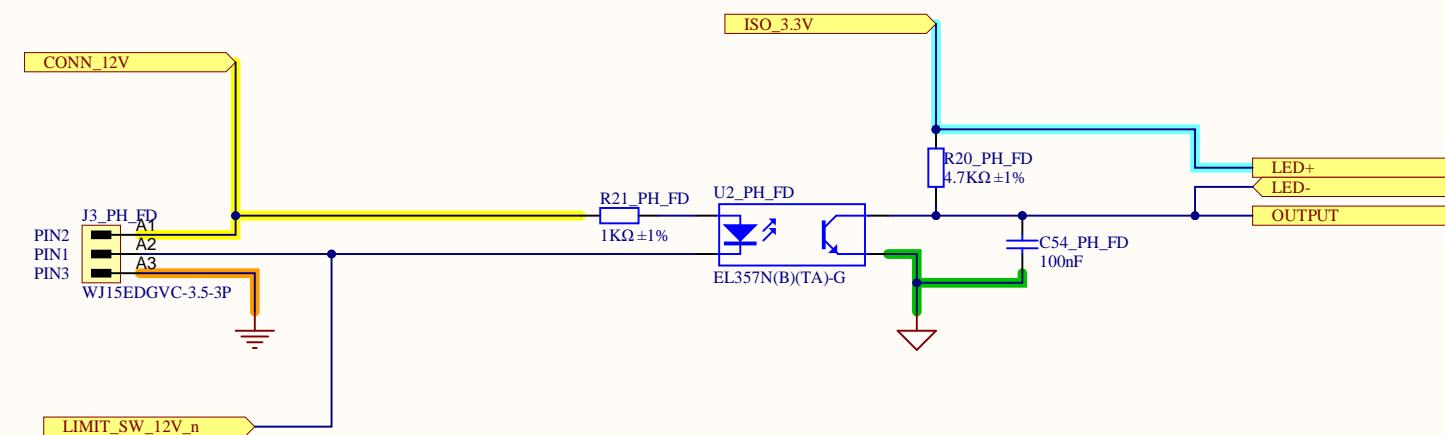
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SHEET Coupler 12V input		
PROJECT	REV	
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SIZE	MODIFIED	SHEET
B	2024-10-04 10:51:28 AM	14/ 14

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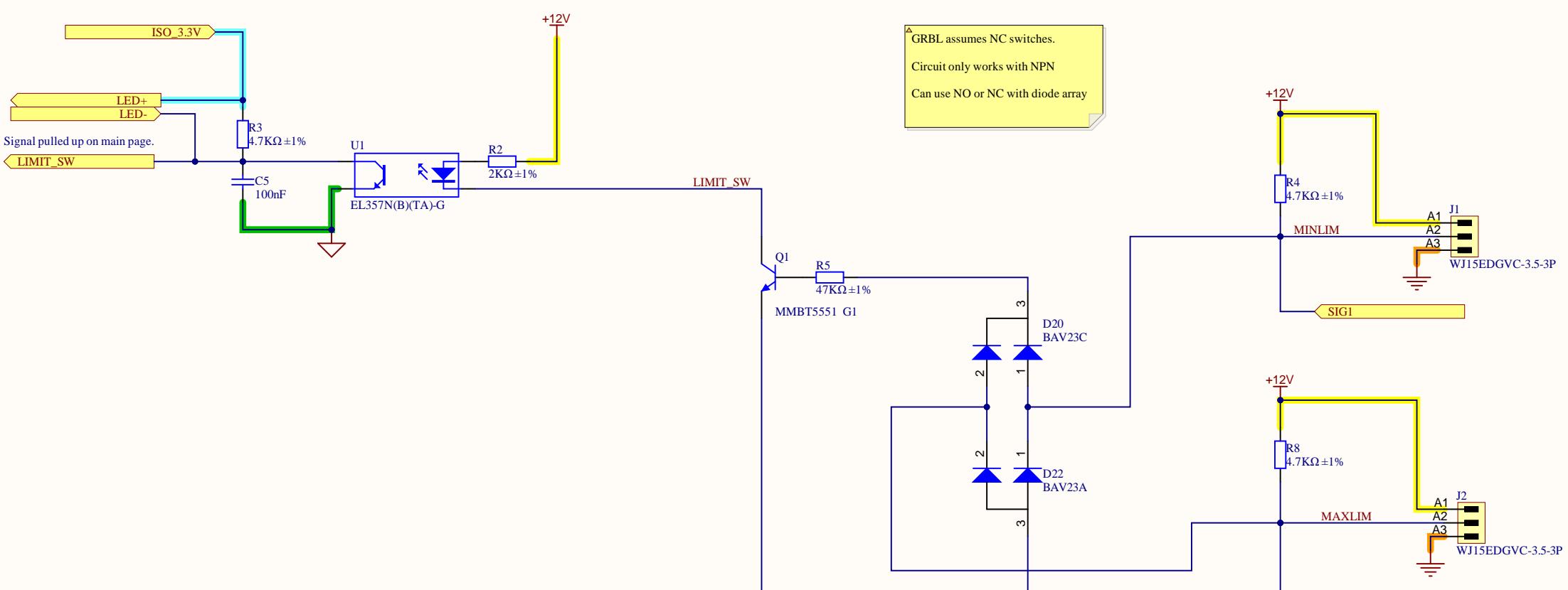
D

A

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D



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w 128 144 128 96 1
g 80 288 80 304 0 0
t 80 160 128 160 0 1 -4.99999971946758
2.4687242029037016e-8 100 default
r 128 48 128 96 0 330
R 128 48 128 0 0 40 5 0 0 0.5
R -288 64 -288 16 0 0 40 12 0 0 0.5

```

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SIZE	MODIFIED	SHEET
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