

# Arduino

Variant: 5V/3V3

31-05-2024  
V1|1

Released 31-05-2024

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DESIGN CONSIDERATIONS

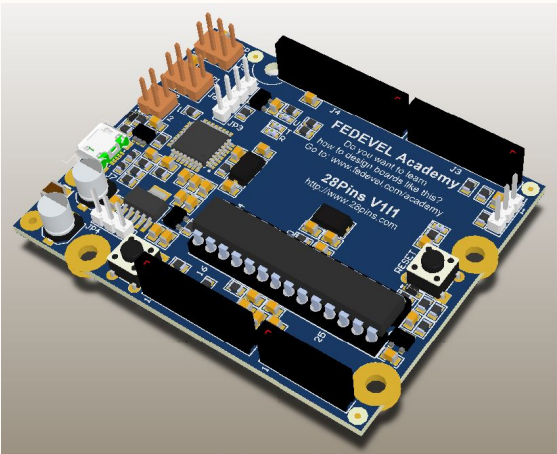
DESIGN NOTE:  
Example text for informational  
design notes.

DESIGN NOTE:  
Example text for cautionary  
design notes.

DESIGN NOTE:  
Example text for debug notes.

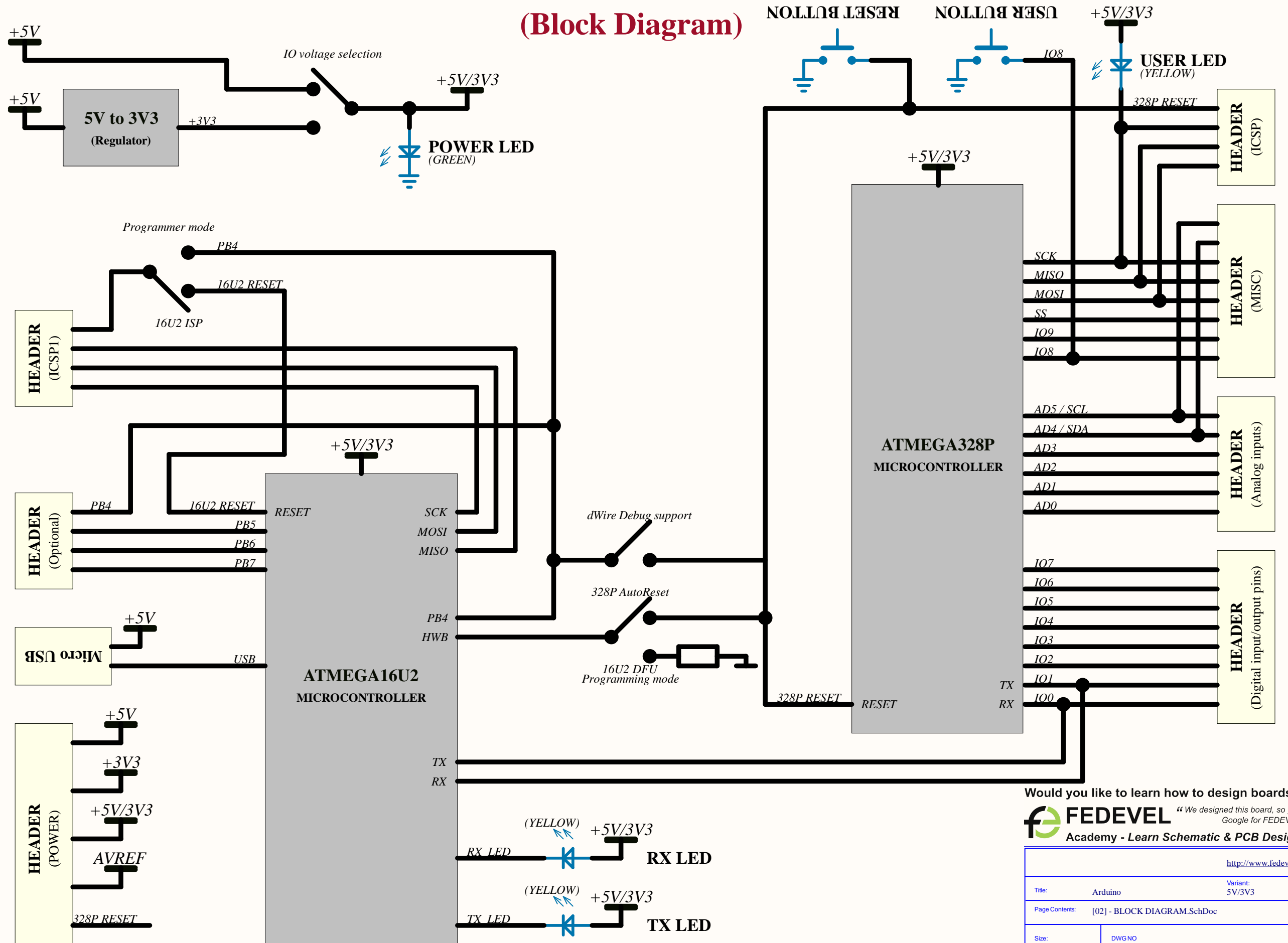
DESIGN NOTE:  
Example text for critical  
design notes.

LAYOUT NOTE:  
Example text for critical  
layout guidelines.



Company		SSGMCE	
Title:	Arduino	Variant:	UNO R3
Page Contents:		[01] - COVER PAGE.SchDoc	
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# Arduino (Block Diagram)



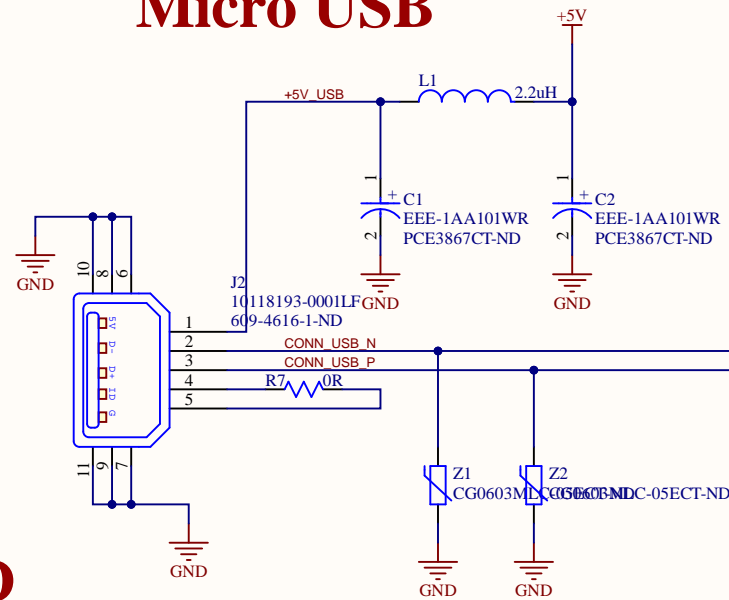
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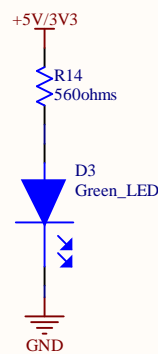
<a href="http://www.fedevvel.com/academy">http://www.fedevvel.com/academy</a>	
Title:	Arduino
Page Contents:	[02] - BLOCK DIAGRAM.SchDoc
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# 28PIN ARDUINO SCHEMATICS

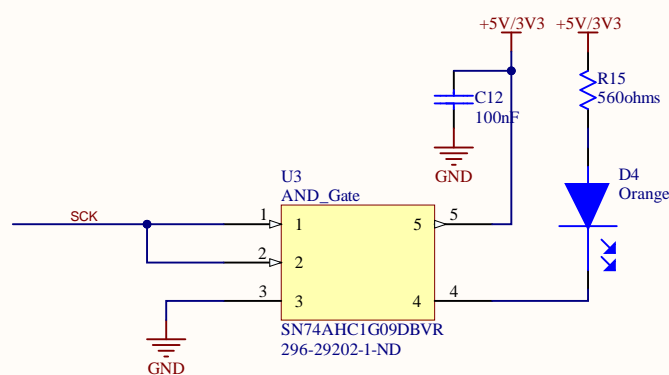
## Micro USB



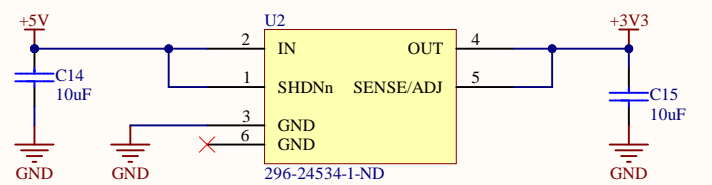
## POWER LED



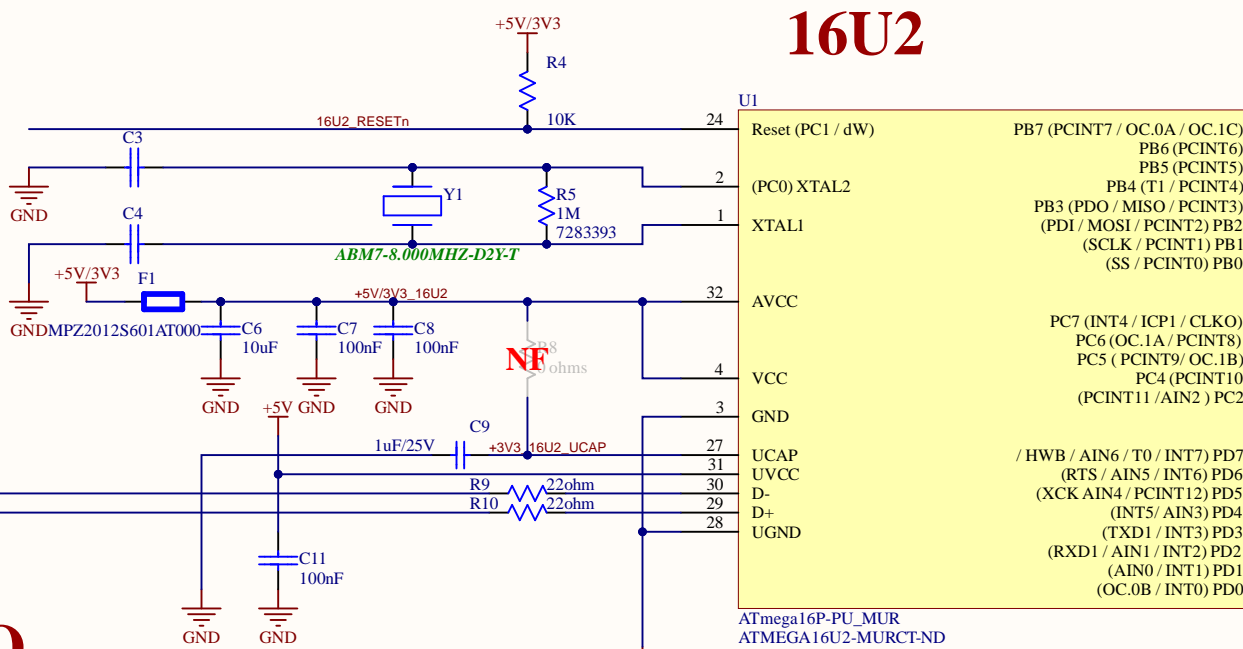
## USER LED



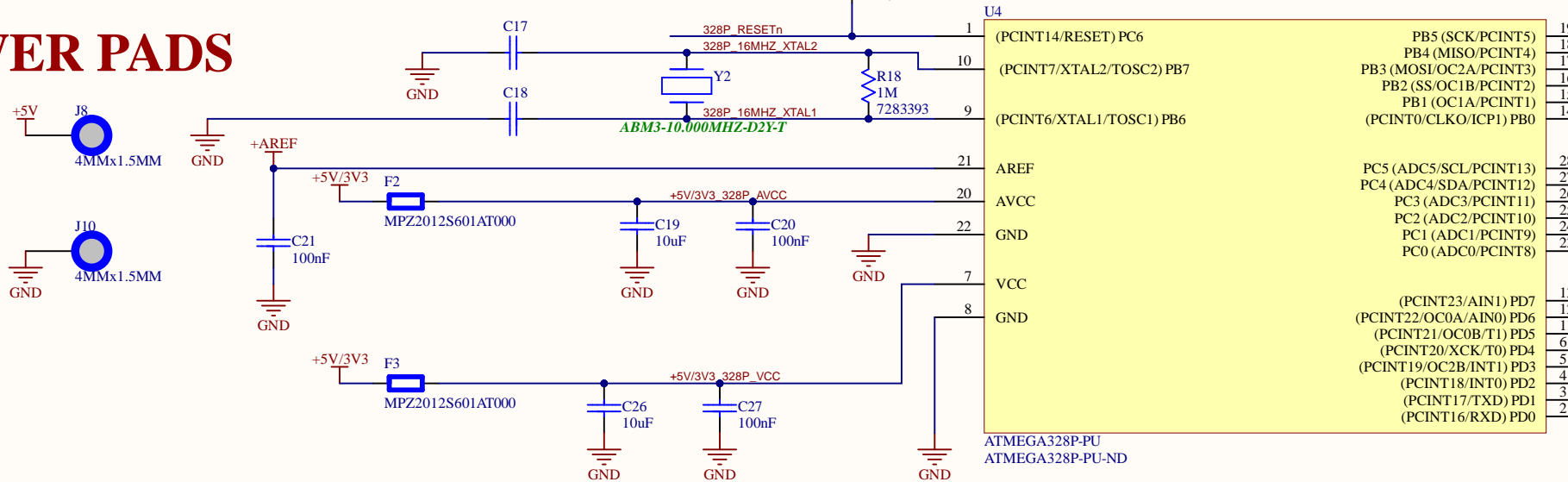
## 3V3 LDO



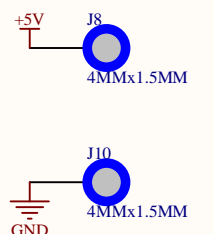
## 16U2



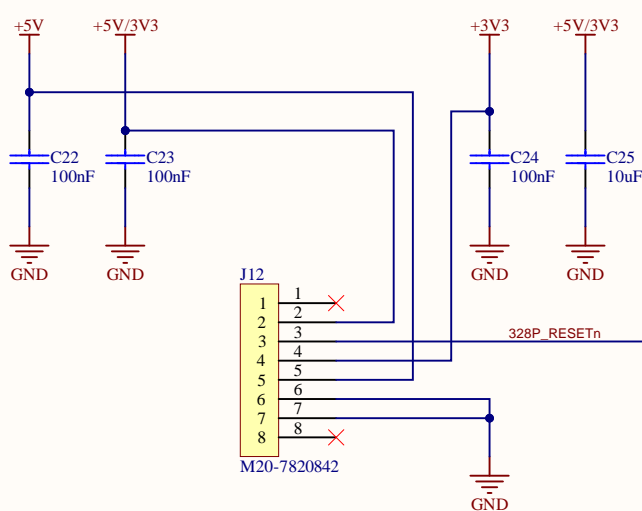
## 328P



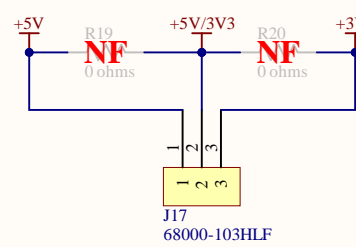
## POWER PADS



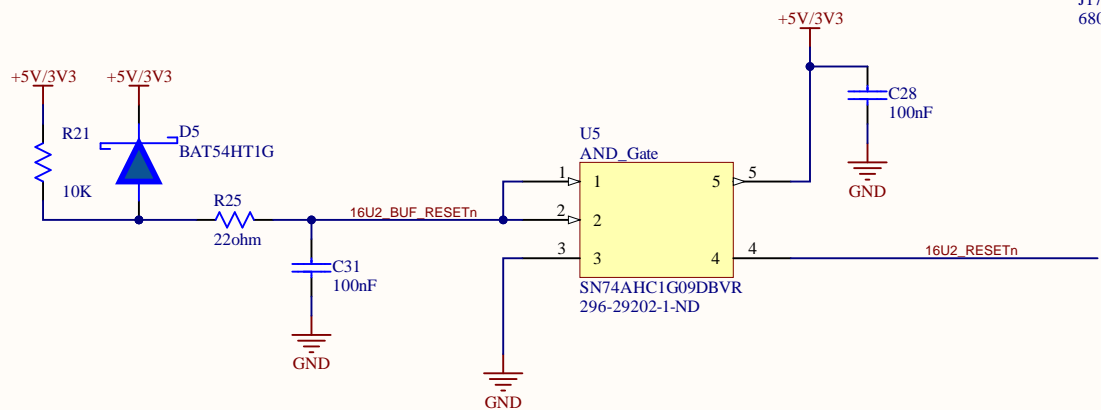
## POWER



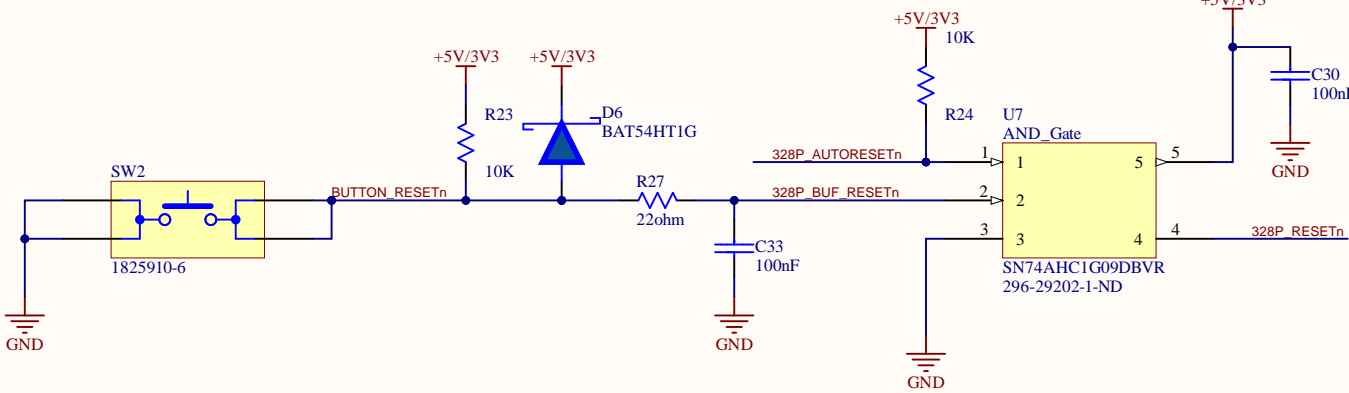
## POWER SELECTION



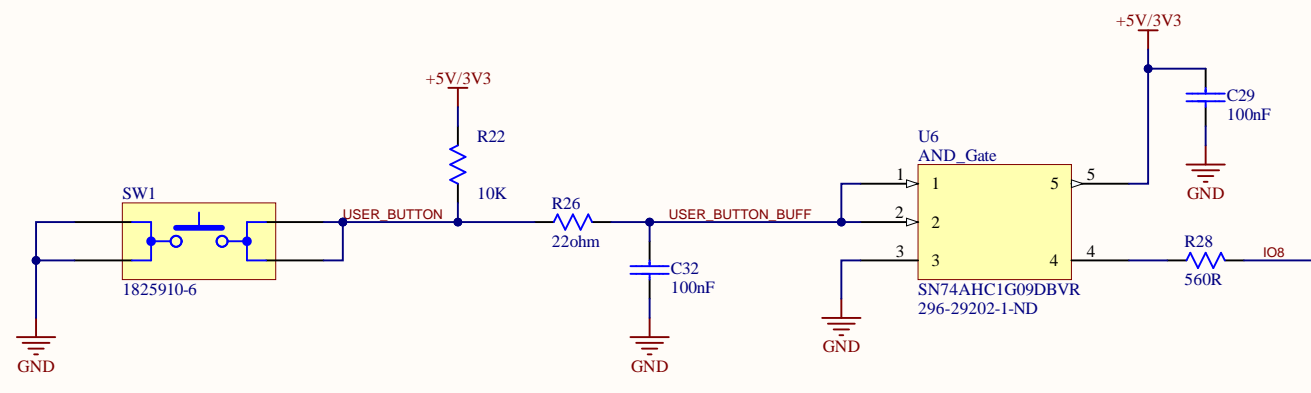
## RESET (16U2)



## RESET (328P)



## USER BUTTON



Company	SSGMCE		
Title	Arduino	Variant	UNO R3
Page Contents	[03] - 28PIN_SCHEMATIC.SchDoc		Checked by: Mr. K. T. Kahar
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REVISION HISTORY								A
								B
								C
								D
1	2	3	4	5	6	7	8	

Company		SSGMCE	
Title:	Arduino	Variant:	UNO R3
Page Contents:	[04] - REVISION HISTORY.SchDoc		Checked by Mr. K. T. Kahar
Size:	DWG NO		Revision: V1 I
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	1	2	3	4	5	6	7	8
A	<div>Designator [01] - COVER PAGE.SchDoc</div> <div></div>	<div>Designator [02] - BLOCK DIAGRAM.SchDoc</div> <div></div>	<div>Designator [03] - 28PIN_SCHEMATIC.SchDoc</div> <div></div>	<div>Designator [04] - REVISION HISTORY.SchDoc</div> <div></div>				
B								
C								
D								

# NOTES

Mark Not Fitted Components as  
**NF**

**DRAFT** - Very early stage of schematic, ignore details.

**PRELIMINARY** - Close to final schematic.

**CHECKED** - There should not be any mistakes. Tell the engineer if you find one.

**RELEASED** - A board with this schematic has been sent to production.

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