

Arduino
Variant: 5V/3V3

3/1/2020
V1I1

RELEASED 02-FEB-2020

Page	Index	Page	Index	Page	Index	Page	Index
1	COVER PAGE	11	.....	21	.....	31	.....
2	BLOCK DIAGRAM	12	.....	22	.....	32	.....
3	28PINS SCHEMATIC	13	.....	23	.....	33	.....
4	REVISION HISTORY	14	.....	24	.....	34	.....
5	.....	15	.....	25	.....	35	.....
6	.....	16	.....	26	.....	36	.....
7	.....	17	.....	27	.....	37	.....
8	.....	18	.....	28	.....	38	.....
9	.....	19	.....	29	.....	39	.....
10	.....	20	.....	30	.....	40	.....

Cannot open file 28Pins3D.png

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.

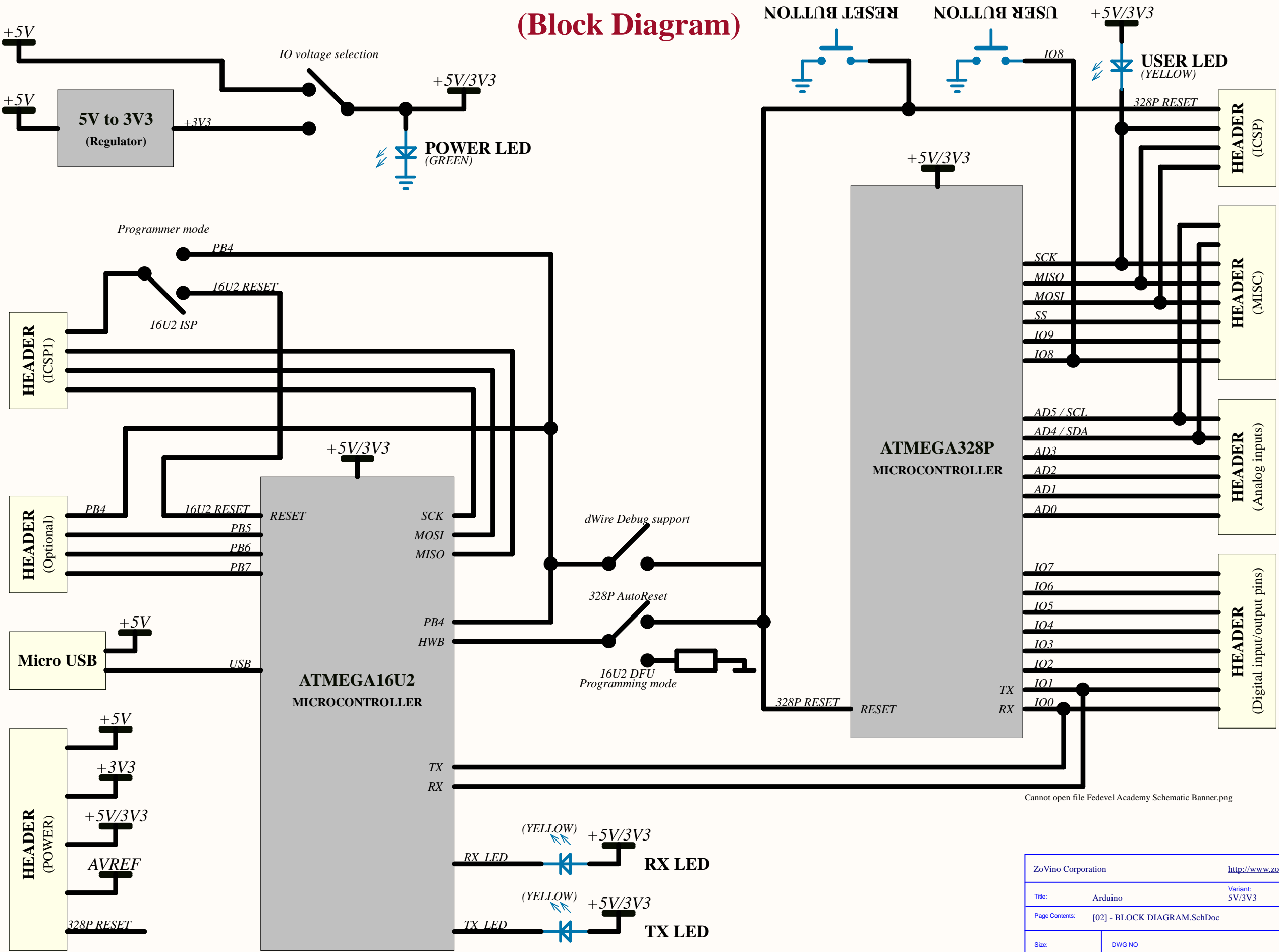
DESIGN NOTE:
Example text for critical
design notes.

LAYOUT NOTE:
Example text for critical
layout guidelines.

ZoVino Corporation		http://www.zovino.com	
Title:	Arduino	Variant:	5V/3V3
Page Contents:	[01] - COVER PAGE.SchDoc		Reviewed by Robert Feranec
Size:	DWG NO		Revision: VIII
Date: 3/1/2020	Designed by Zakaria El Khachin	Sheet 1 of	5

Arduino

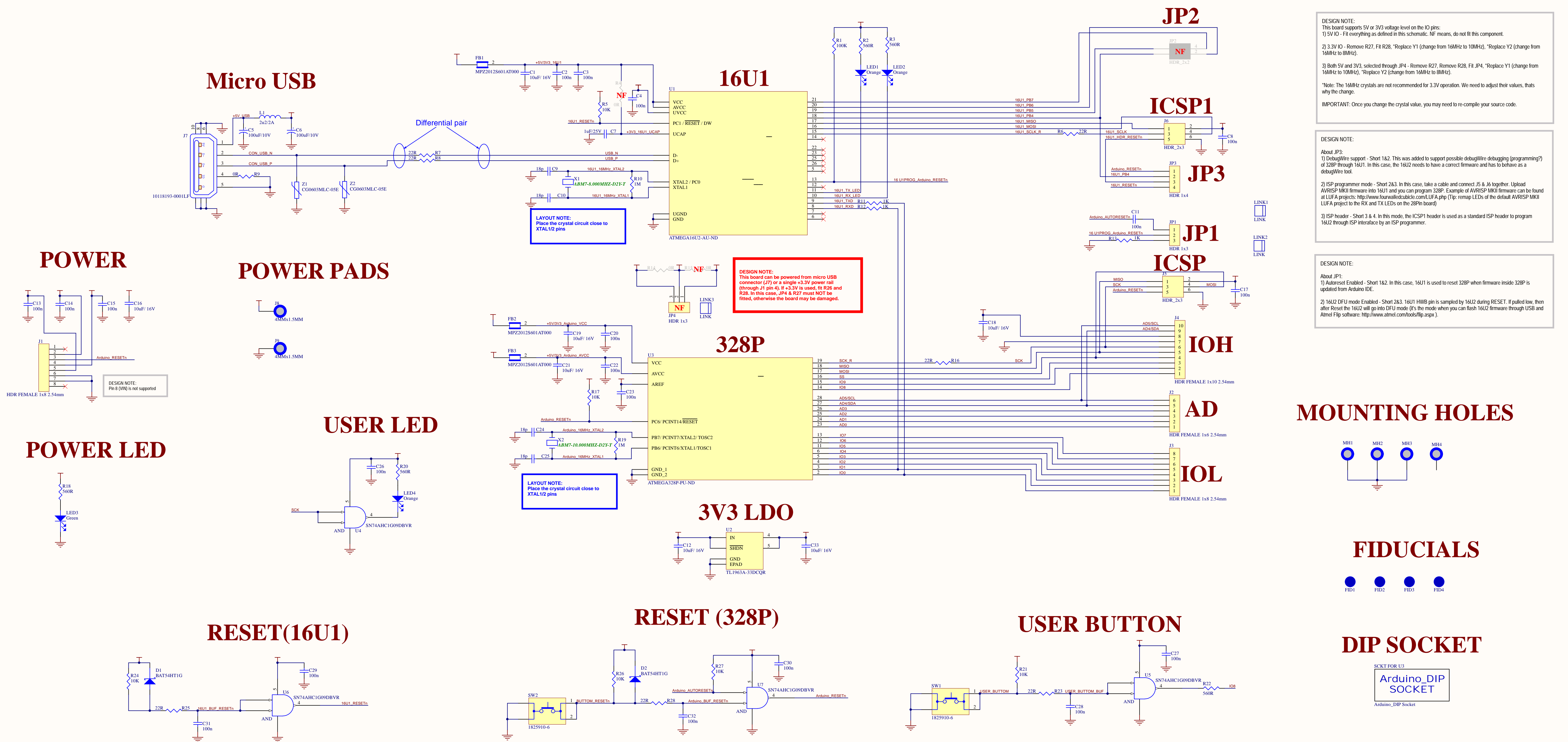
(Block Diagram)



Cannot open file Fedevel Academy Schematic Banner.png

ZoVino Corporation		http://www.zovino.com	
Title: Arduino		Variant: 5V/3V3	
Page Contents: [02] - BLOCK DIAGRAM.SchDoc			
Size:	DWG NO		Revision: VIII
Date: 3/1/2020	Designed by Zakaria El Khachin	Sheet 2	Checked by

ARDUINO SCHEMATIC



LAYOUT NOTE:

- 1) Route all the **POWER** tracks with minimum track width 0.4mm.
- 2) Route all the other tracks by 0.4mm and change them by the end of the design to 0.2mm. To change all of them at once, use this filter "**(not InNet(+) and not InNet(GND')) and IsTrack and (OnLayer('L1') or OnLayer ('L2'))**" and then set 0.2mm width in PCB Inspector panel.

REVISION HISTORY

ZoVino Corporation			http://www.zovino.com		
Title:		Arduino		Variant: 5V/3V3	
Page Contents:		[04] - REVISION HISTORY.SchDoc			Reviewed by Robert Feranec
Size:		DWG NO			Revision: VIII
Date:	3/1/2020	Designed by Zakaria El Khachin			Sheet 4 of 5

Designator
[01] - COVER PAGE.SchDoc

Designator
[02] - BLOCK DIAGRAM.SchDoc

Designator
[03] - ARDUINO SCHEMATIC.SchDoc

Designator
[04] - REVISION HISTORY.SchDoc

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.

Cannot open file Fedevel Academy Schematic Banner.png

ZoVino Corporation		http://www.fedevel.com/academy	
Title:	Arduino	Variant:	5V/3V3
Page Contents:	Arduino Project V1I1 .SchDoc		Checked by
Size:	DWG NO		Revision: V1I1
Date:	3/1/2020	Designed by	www.fedevel.com
Sheet		5	of 5