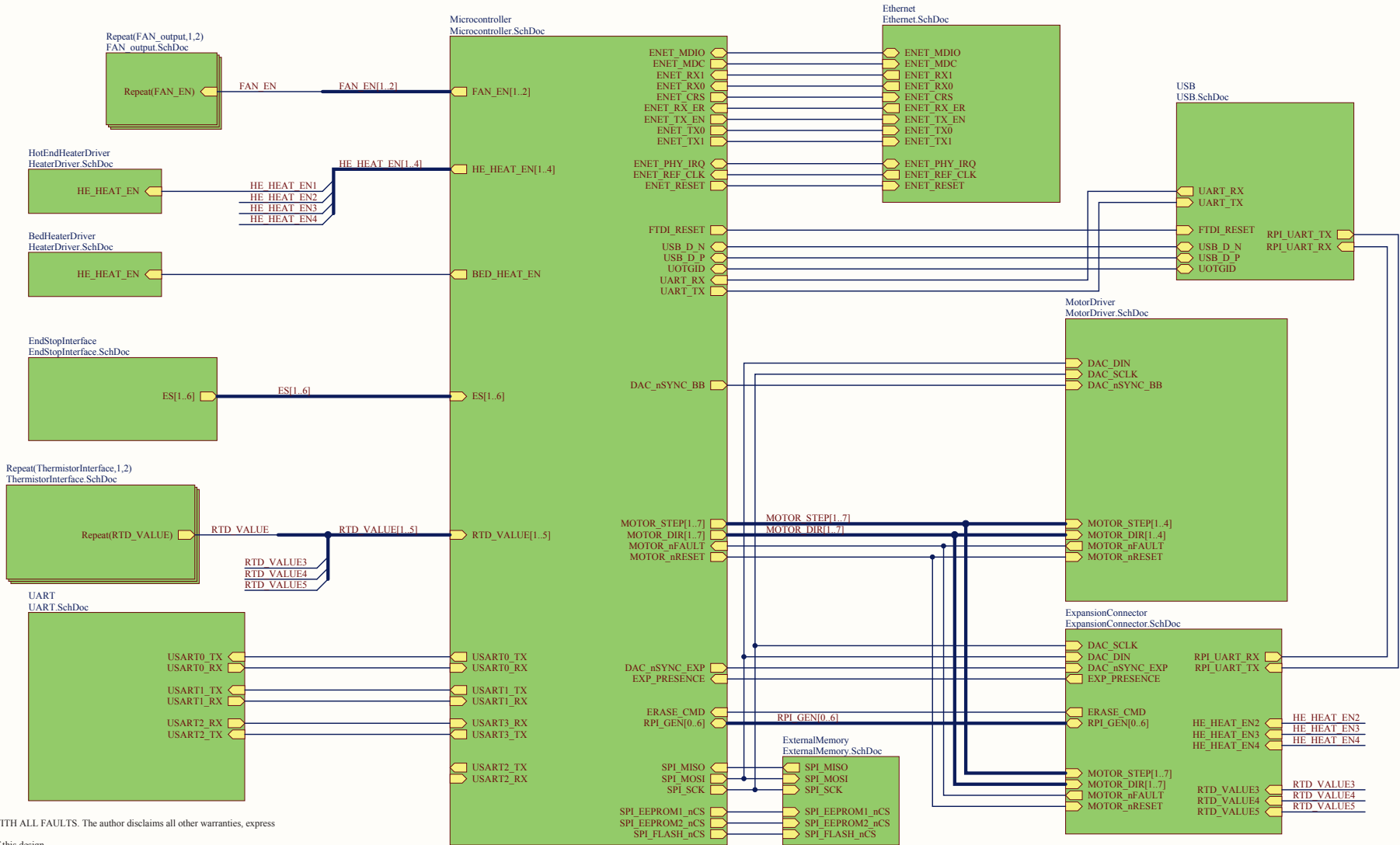


Alligator Board - 3D Printer Electronic

The new generation electronic for 3D printers



This Designs ARE PROVIDED "AS IS WITH ALL FAULTS. The author disclaims all other warranties, express or implied.  
The author is not responsible of any use of this design.  
The author does not guarantee the correctness of these documents, and offers no warranty or support for them.  
You may use these design files at your own risk, with no warranty about its behaviour.  
The author may introduce changes to this designs and its specifications at any time, without notice. Also any other information about this product are subject to change without notice.  
The project must not be intended as completed, but is continuously subject to be updated by the author. There is no guarantee that this document is updated to the latest revision of the project.



© Francesco Gargiulo, 2015

© 2015 by Francesco Gargiulo. This work is made available under the Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International License. To view a copy of this license, visit <http://creativecommons.org/licenses/by-nc-sa/4.0/>

3Dartists

P/N  
ALLIGATOR-BOARD

Rev.: 1.5 - DRAFT

PROJECT

Alligator Board - 3D Printer Electronic  
Variant name not interpreted

TITLE

TOPSHEET

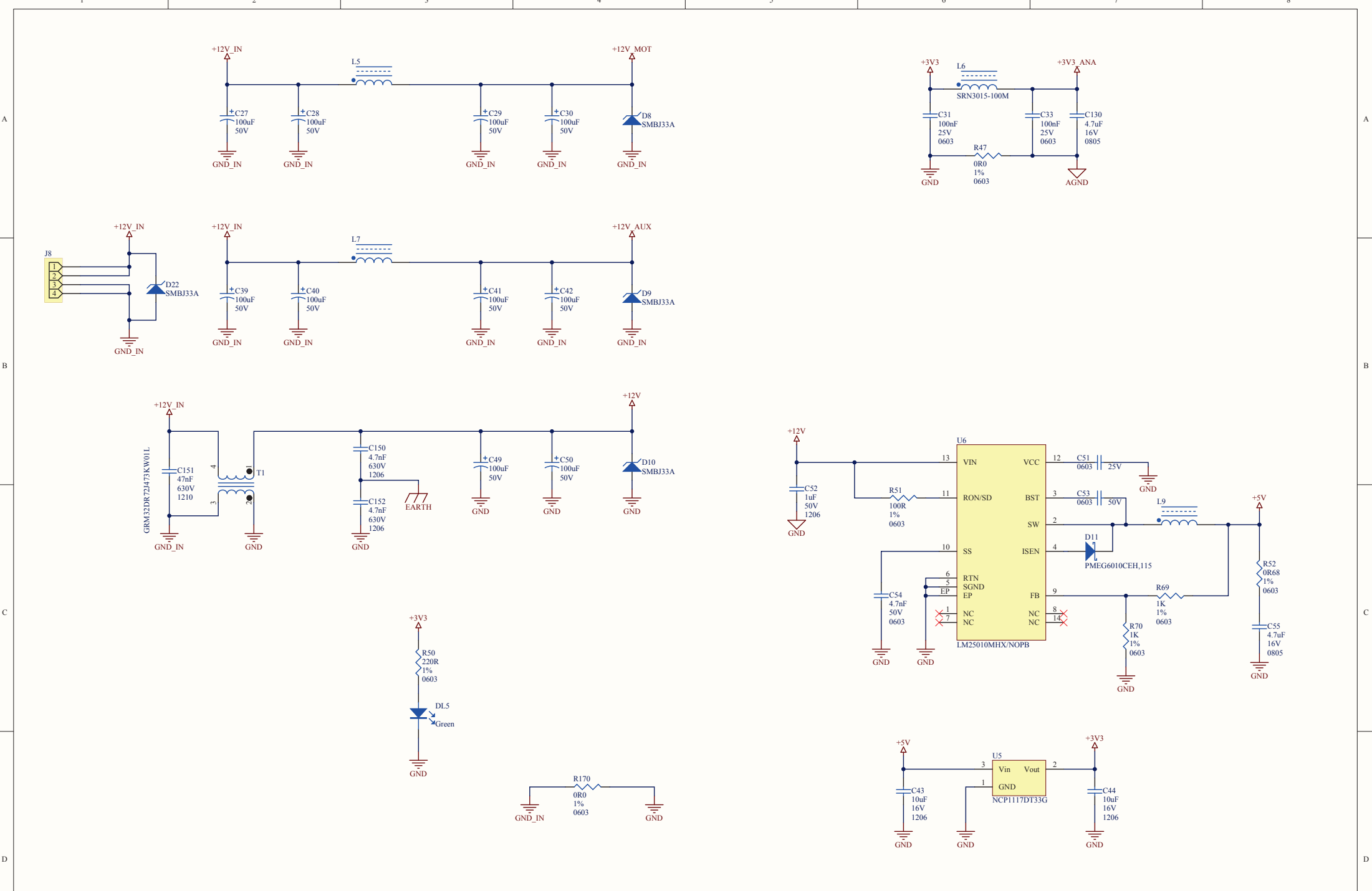
Designed by: F.Gargiulo

Checked by: R.Capponi

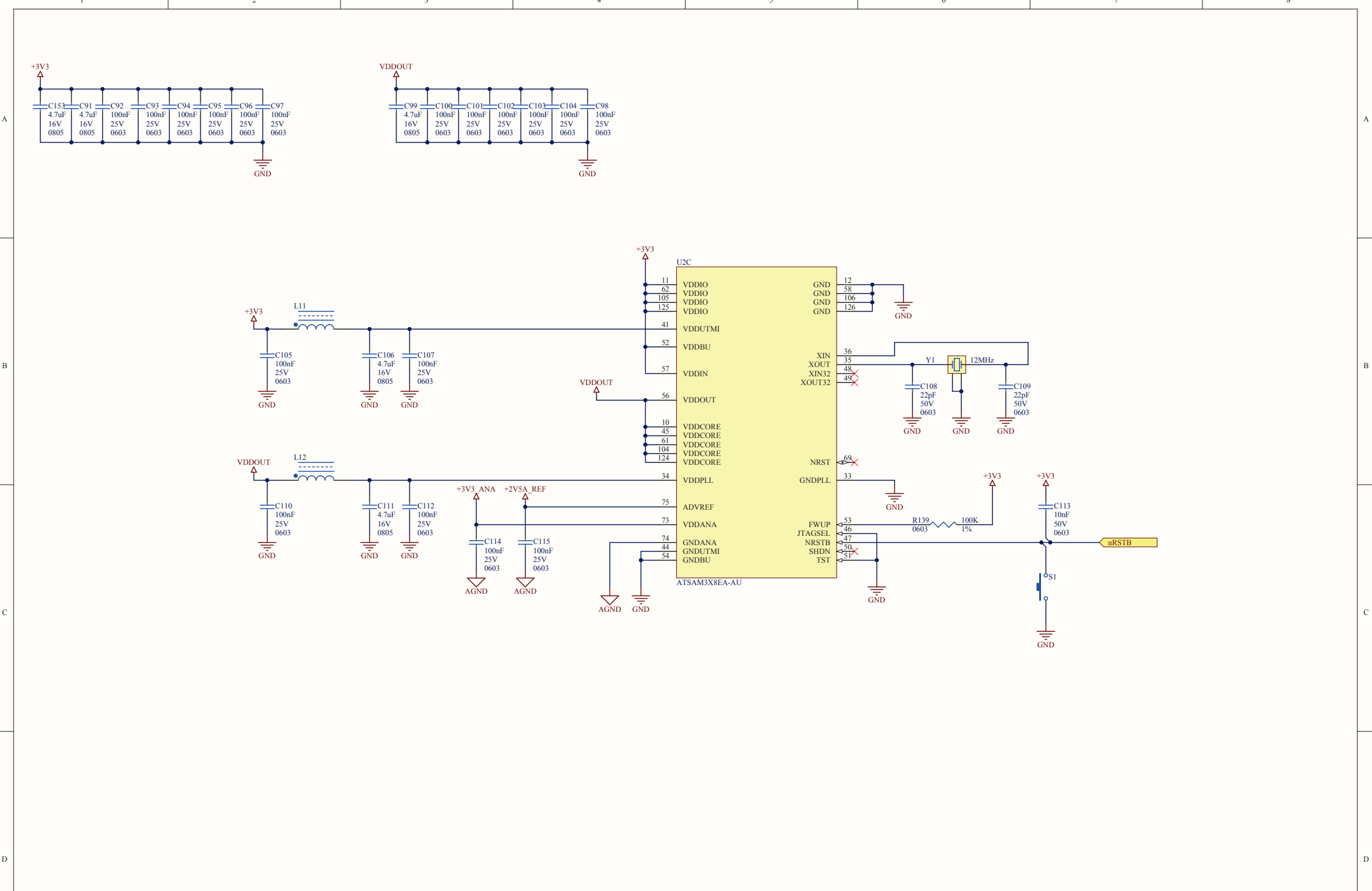
Verified by: M.Antonini

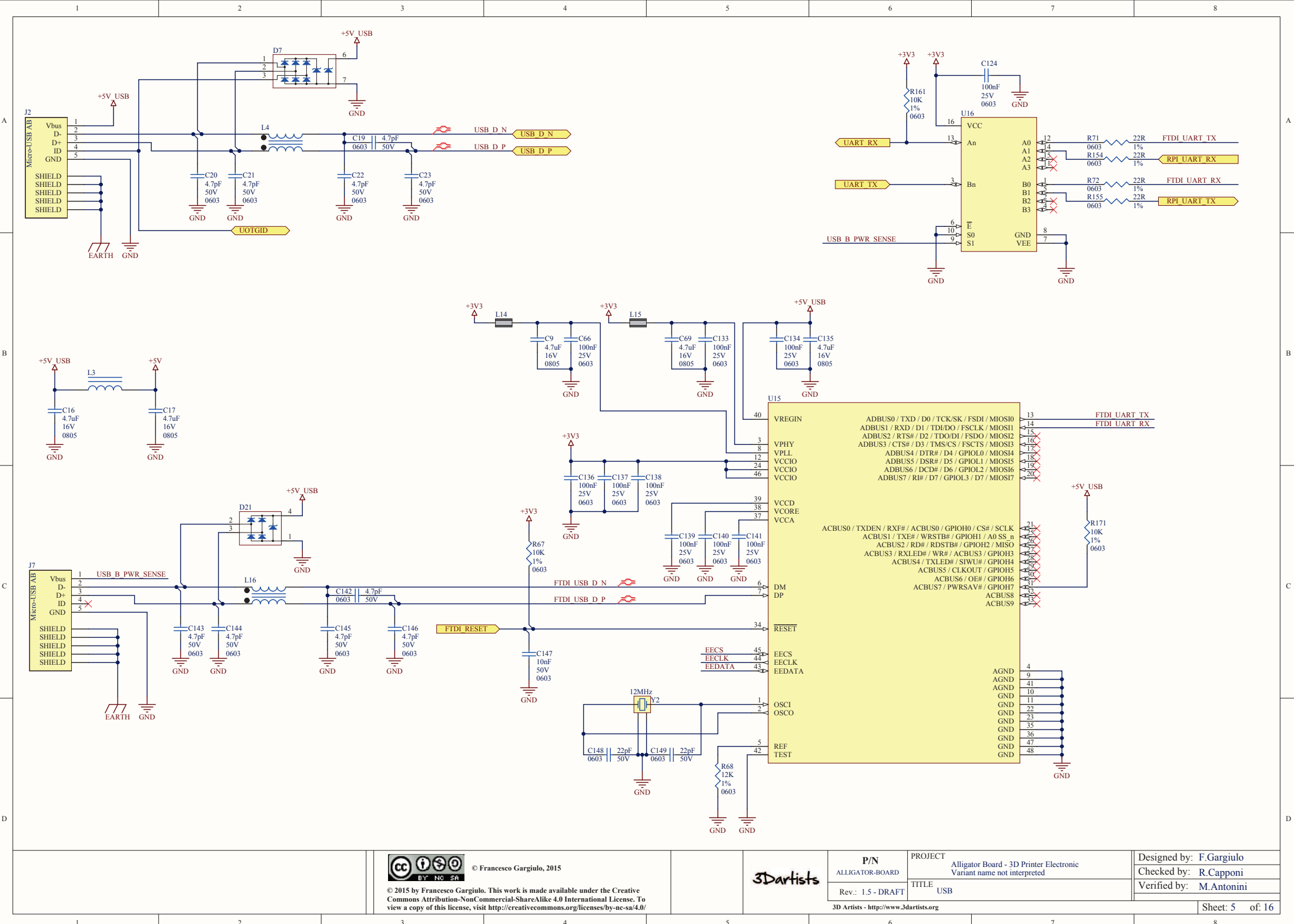
3D Artists - <http://www.3dartists.org>

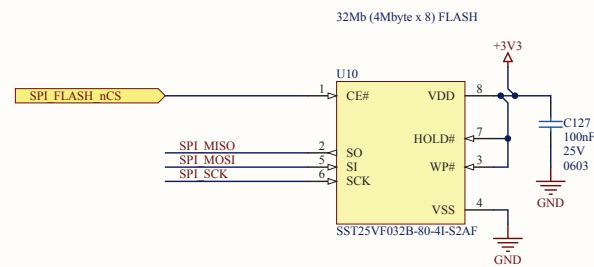
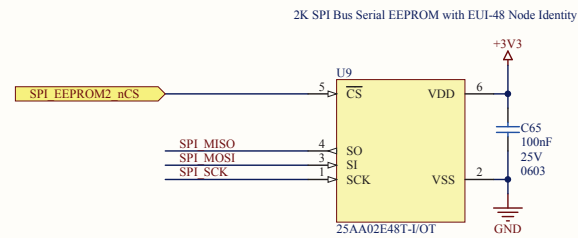
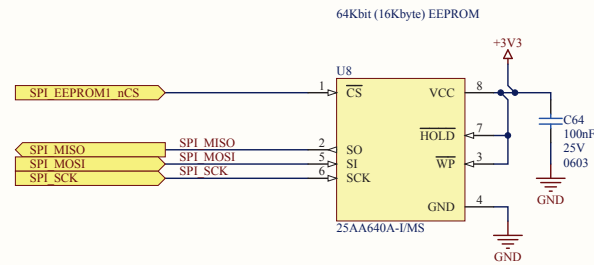
Sheet: 1 of: 16











© Francesco Gargiulo, 2015

© 2015 by Francesco Gargiulo. This work is made available under the Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International License. To view a copy of this license, visit <http://creativecommons.org/licenses/by-nc-sa/4.0/>

3Dartists

P/N  
ALLIGATOR-BOARD

Rev.: 1.5 - DRAFT

PROJECT  
Alligator Board - 3D Printer Electronic  
Variant name not interpreted

TITLE  
EXTERNAL MEMORY

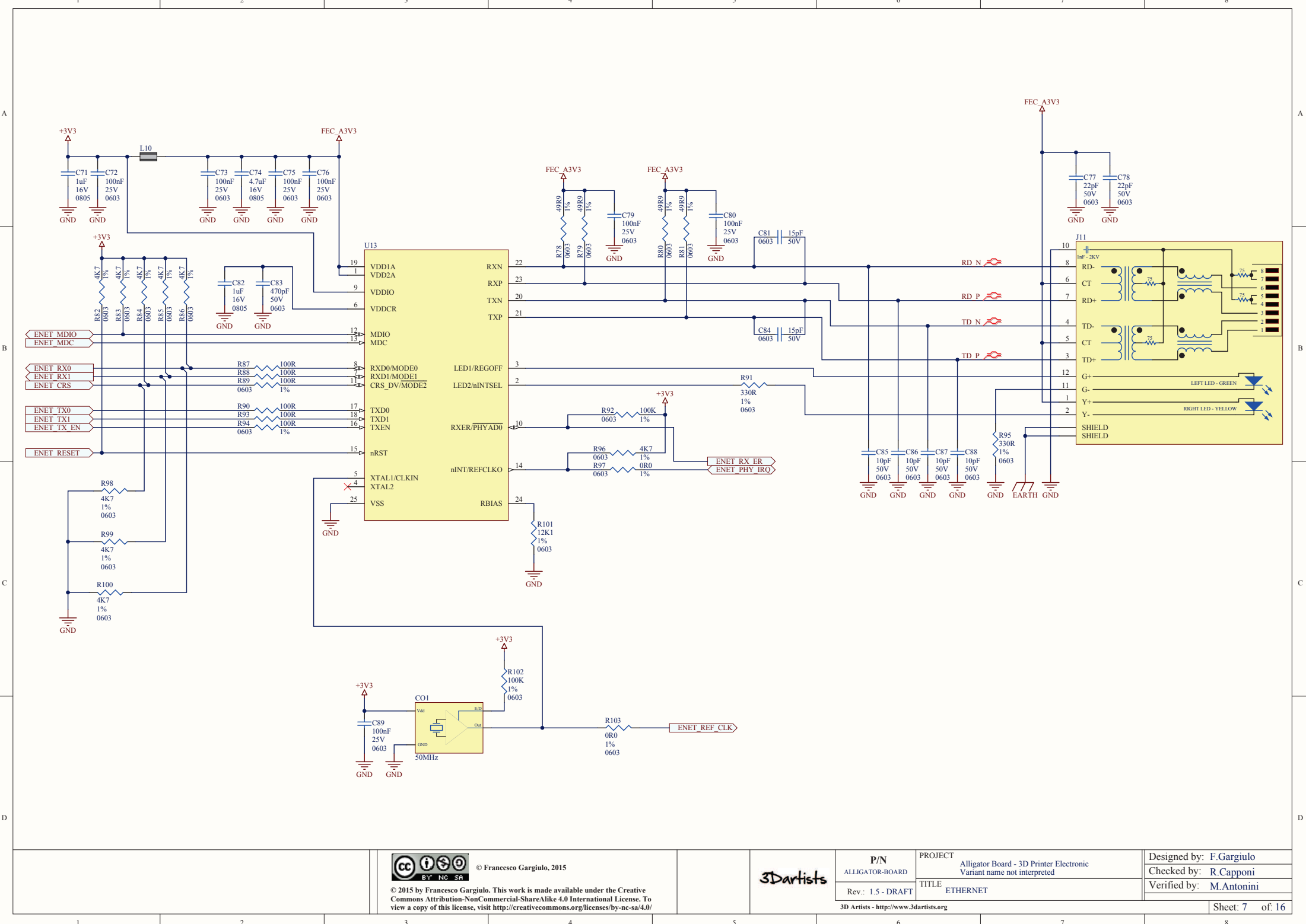
Designed by: F.Gargiulo

Checked by: R.Capponi

Verified by: M.Antonini

3D Artists - <http://www.3dartists.org>

Sheet: 6 of: 16

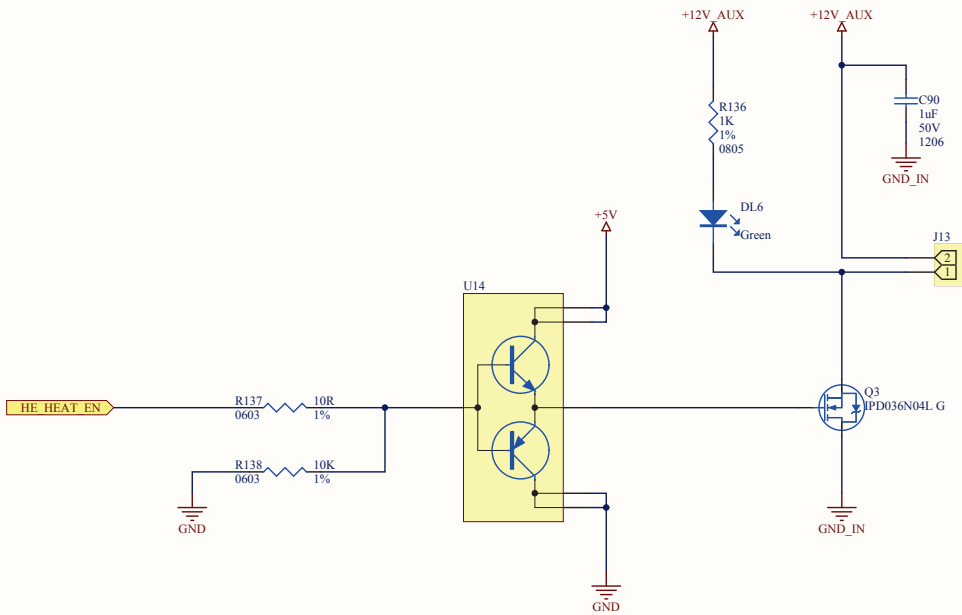


© Francesco Gargiulo, 2015

© 2015 by Francesco Gargiulo. This work is made available under the Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International License. To view a copy of this license, visit <http://creativecommons.org/licenses/by-nc-sa/4.0/>

3Dartists

|  |  |                         |
|--|--|-------------------------|
| P/N<br>ALLIGATOR-BOARD   | PROJECT<br>Alligator Board - 3D Printer Electronic<br>Variant name not interpreted | Designed by: F.Gargiulo |
|  |  | Checked by: R.Capponi   |
| Rev.: 1.5 - DRAFT  | TITLE<br>ETHERNET  | Verified by: M.Antonini |
| 3D Artists - <a href="http://www.3dartists.org">http://www.3dartists.org</a> |  | Sheet: 7 of 16          |



© Francesco Gargiulo, 2015

© 2015 by Francesco Gargiulo. This work is made available under the Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International License. To view a copy of this license, visit <http://creativecommons.org/licenses/by-nc-sa/4.0/>

3Dartists

P/N  
ALLIGATOR-BOARD

Rev.: 1.5 - DRAFT

PROJECT  
Alligator Board - 3D Printer Electronic  
Variant name not interpreted

TITLE  
HOT-END HEATER DRIVER

Designed by: F.Gargiulo

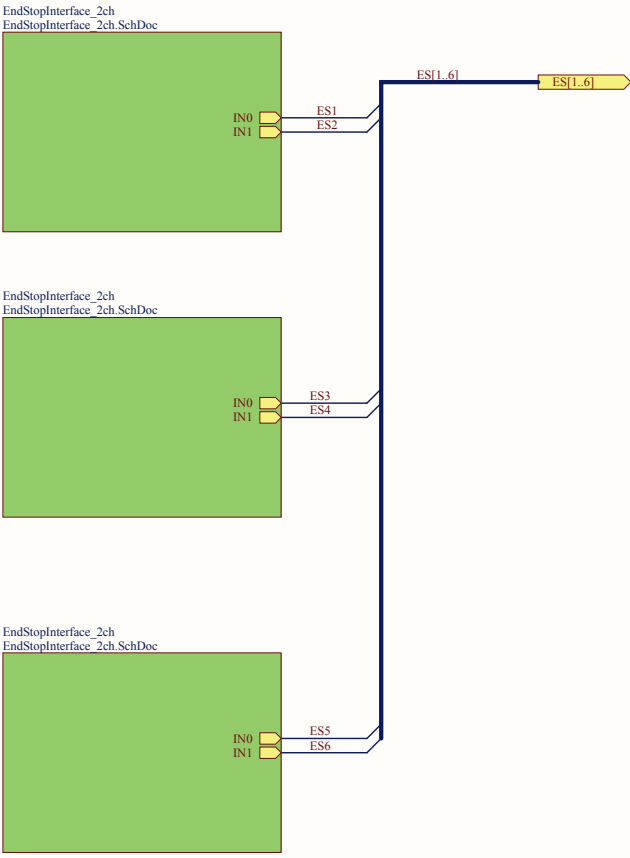
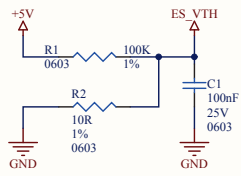
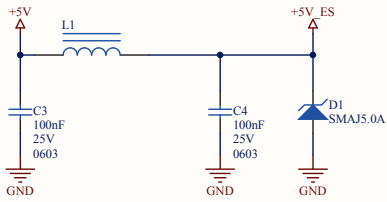
Checked by: R.Capponi

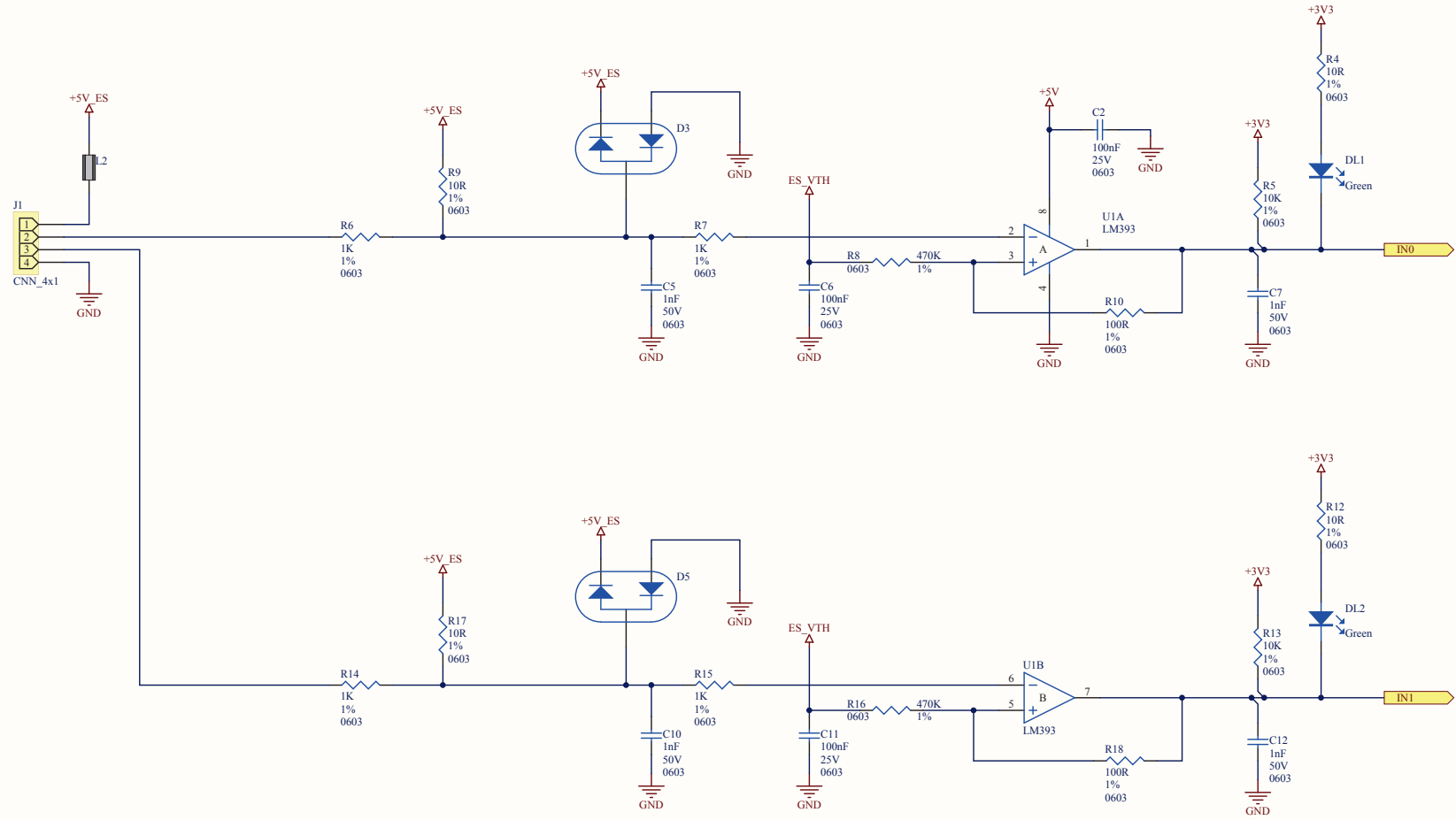
Verified by: M.Antonini

3D Artists - <http://www.3dartists.org>

Sheet: 8 of: 16







© Francesco Gargiulo, 2015

© 2015 by Francesco Gargiulo. This work is made available under the Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International License. To view a copy of this license, visit <http://creativecommons.org/licenses/by-nc-sa/4.0/>

3Dartists

P/N  
ALLIGATOR-BOARD

Rev.: 1.5 - DRAFT

PROJECT  
Alligator Board - 3D Printer Electronic  
Variant name not interpreted

TITLE  
END-STOP INTERFACE

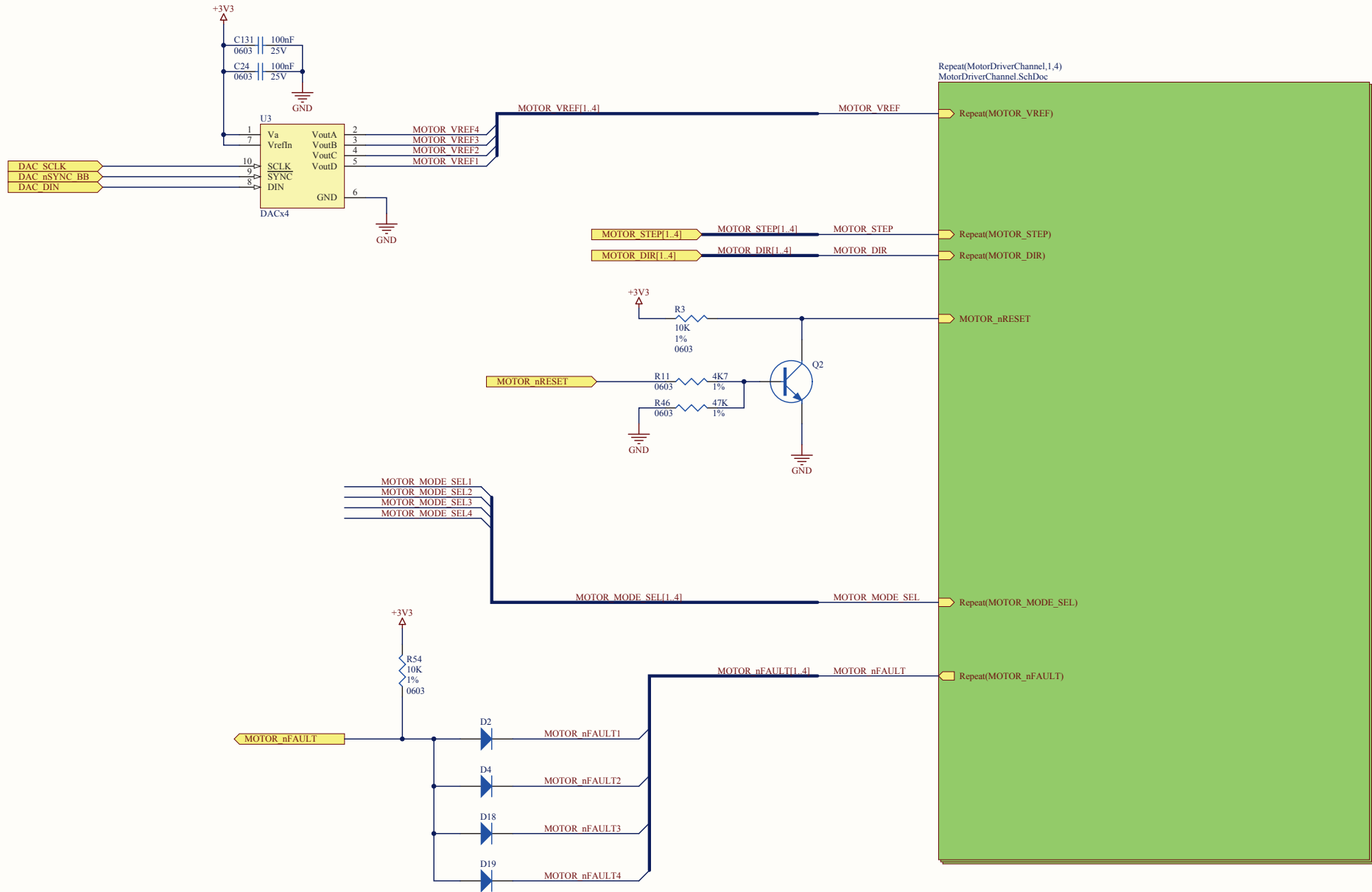
Designed by: F.Gargiulo

Checked by: R.Capponi

Verified by: M.Antonini

3D Artists - <http://www.3dartists.org>

Sheet: 10 of: 16



© Francesco Gargiulo, 2015

© 2015 by Francesco Gargiulo. This work is made available under the Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International License. To view a copy of this license, visit <http://creativecommons.org/licenses/by-nc-sa/4.0/>

3Dartists

P/N  
ALLIGATOR-BOARD  
Rev.: 1.5 - DRAFT

PROJECT  
Alligator Board - 3D Printer Electronic  
Variant name not interpreted  
TITLE  
MOTOR DRIVER

Designed by: F.Gargiulo  
Checked by: R.Capponi  
Verified by: M.Antonini

A

B

C

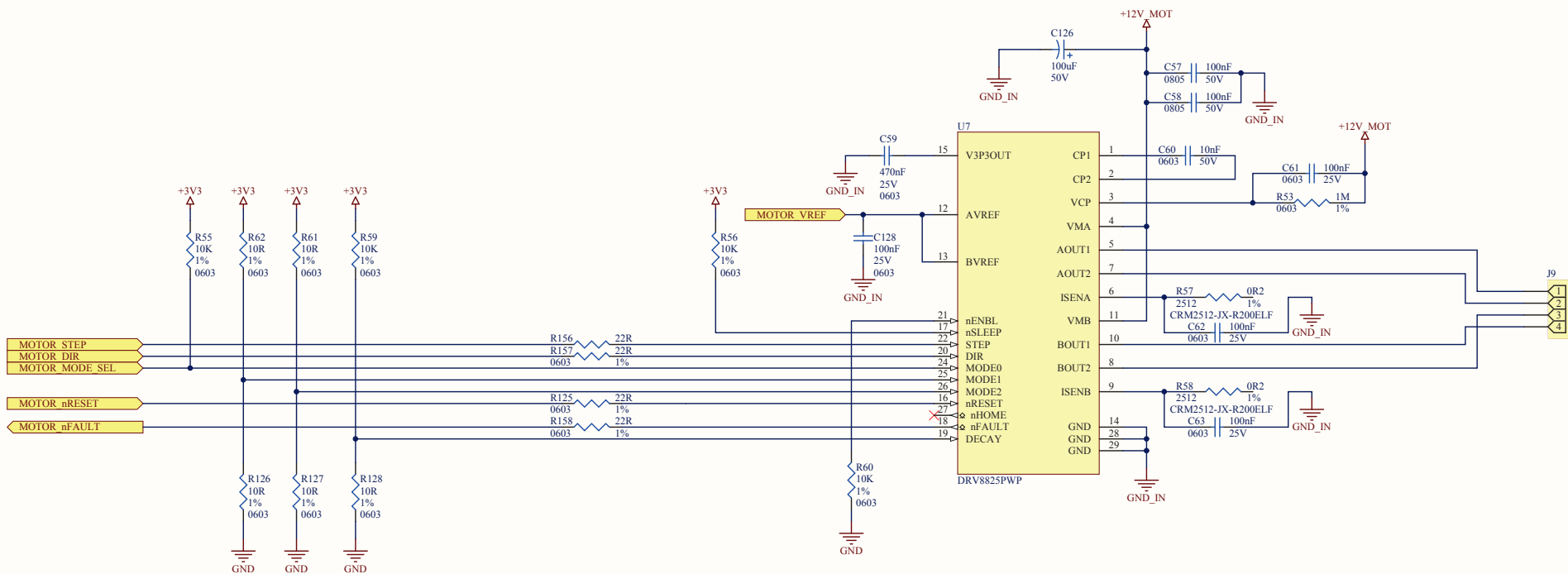
D

A

B

C

D



© Francesco Gargiulo, 2015

© 2015 by Francesco Gargiulo. This work is made available under the Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International License. To view a copy of this license, visit <http://creativecommons.org/licenses/by-nc-sa/4.0/>

3Dartists

P/N  
ALLIGATOR-BOARD

Rev.: 1.5 - DRAFT

PROJECT  
Alligator Board - 3D Printer Electronic  
Variant name not interpreted

TITLE  
MOTOR DRIVER CHANNEL

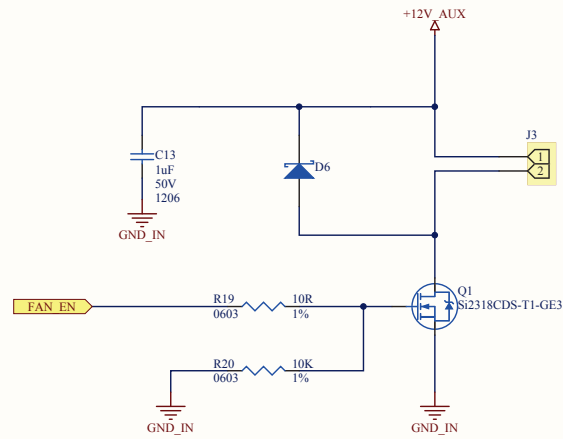
Designed by: F.Gargiulo

Checked by: R.Capponi

Verified by: M.Antonini

3D Artists - <http://www.3dartists.org>

Sheet: 12 of: 16



© Francesco Gargiulo, 2015

© 2015 by Francesco Gargiulo. This work is made available under the Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International License. To view a copy of this license, visit <http://creativecommons.org/licenses/by-nc-sa/4.0/>

3Dartists

**P/N**  
ALLIGATOR-BOARD

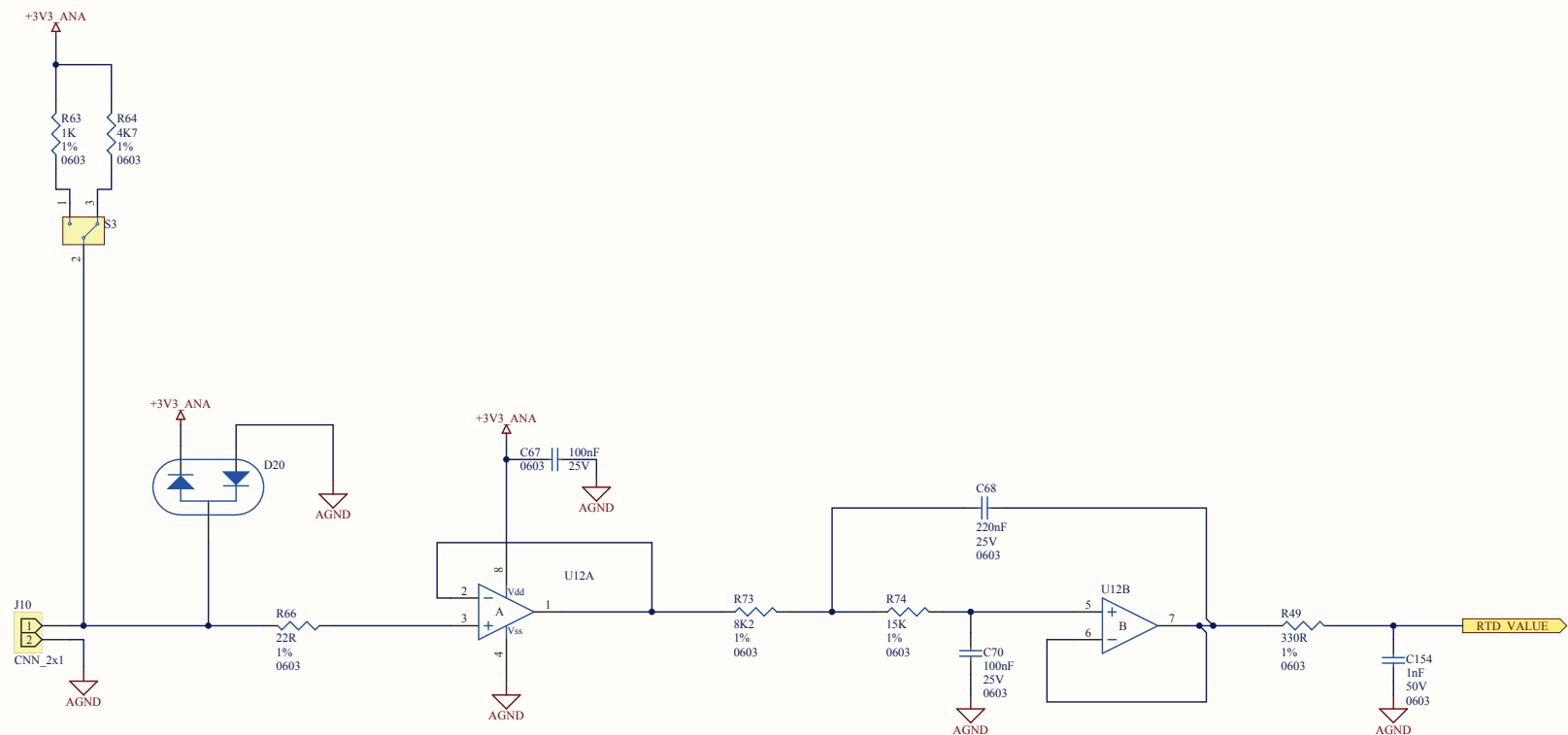
Rev.: 1.5 - DRAFT

**PROJECT**  
Alligator Board - 3D Printer Electronic  
Variant name not interpreted

**TITLE**  
FAN OUTPUT

Designed by: **F.Gargiulo**  
Checked by: **R.Capponi**

Verified by: **M.Antonini**



© Francesco Gargiulo, 2015

© 2015 by Francesco Gargiulo. This work is made available under the Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International License. To view a copy of this license, visit <http://creativecommons.org/licenses/by-nc-sa/4.0/>

3Dartists

P/N  
ALLIGATOR-BOARD  
Rev.: 1.5 - DRAFT

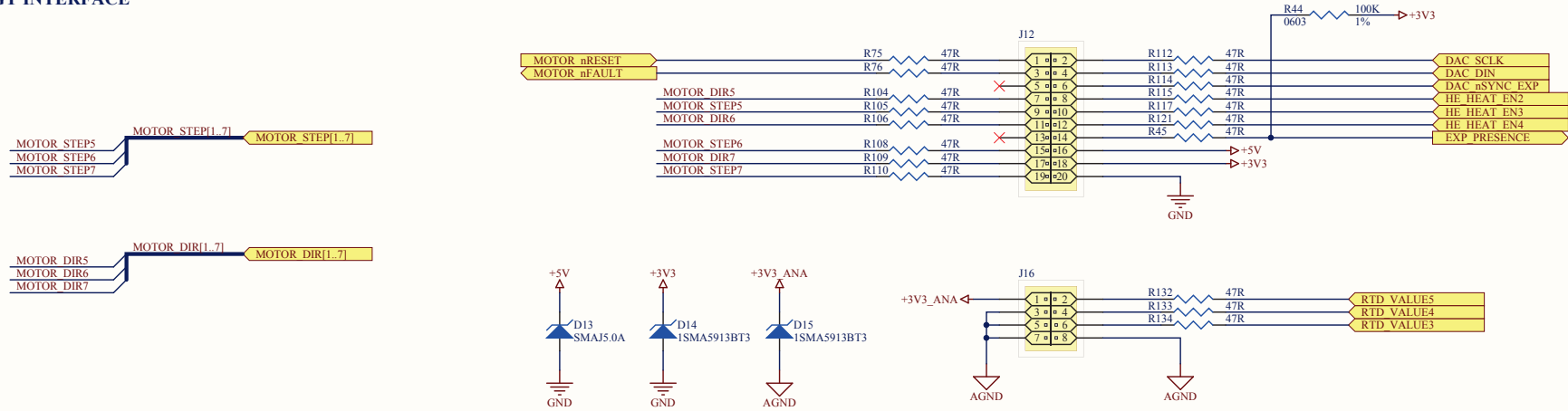
PROJECT  
Alligator Board - 3D Printer Electronic  
Variant name not interpreted  
TITLE  
THERMISTOR INTERFACE

Designed by: F.Gargiulo  
Checked by: R.Capponi  
Verified by: M.Antonini

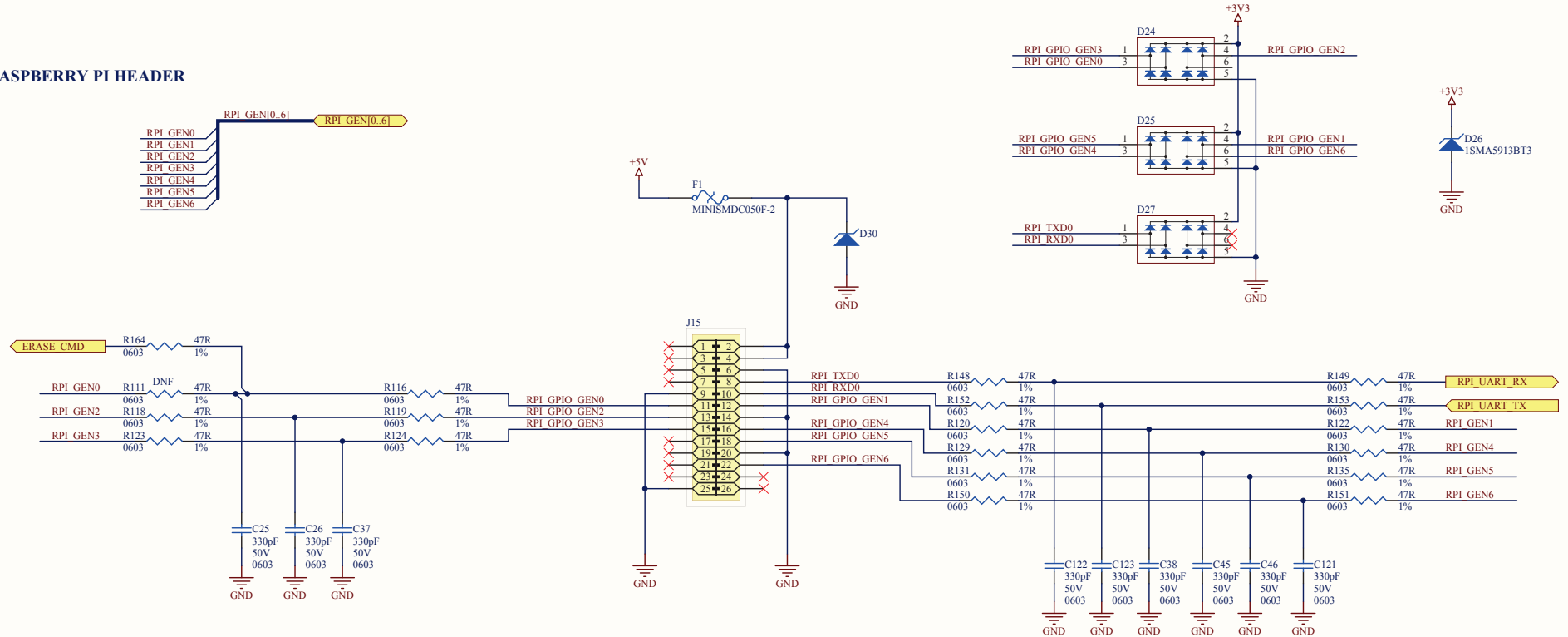
3D Artists - <http://www.3dartists.org>

Sheet: 14 of: 16

## PIGGY INTERFACE



## RASPBERRY PI HEADER



© Francesco Gargiulo, 2015

© 2015 by Francesco Gargiulo. This work is made available under the Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International License. To view a copy of this license, visit <http://creativecommons.org/licenses/by-nc-sa/4.0/>

3Dartists

P/N  
ALLIGATOR-BOARD

Rev.: 1.5 - DRAFT

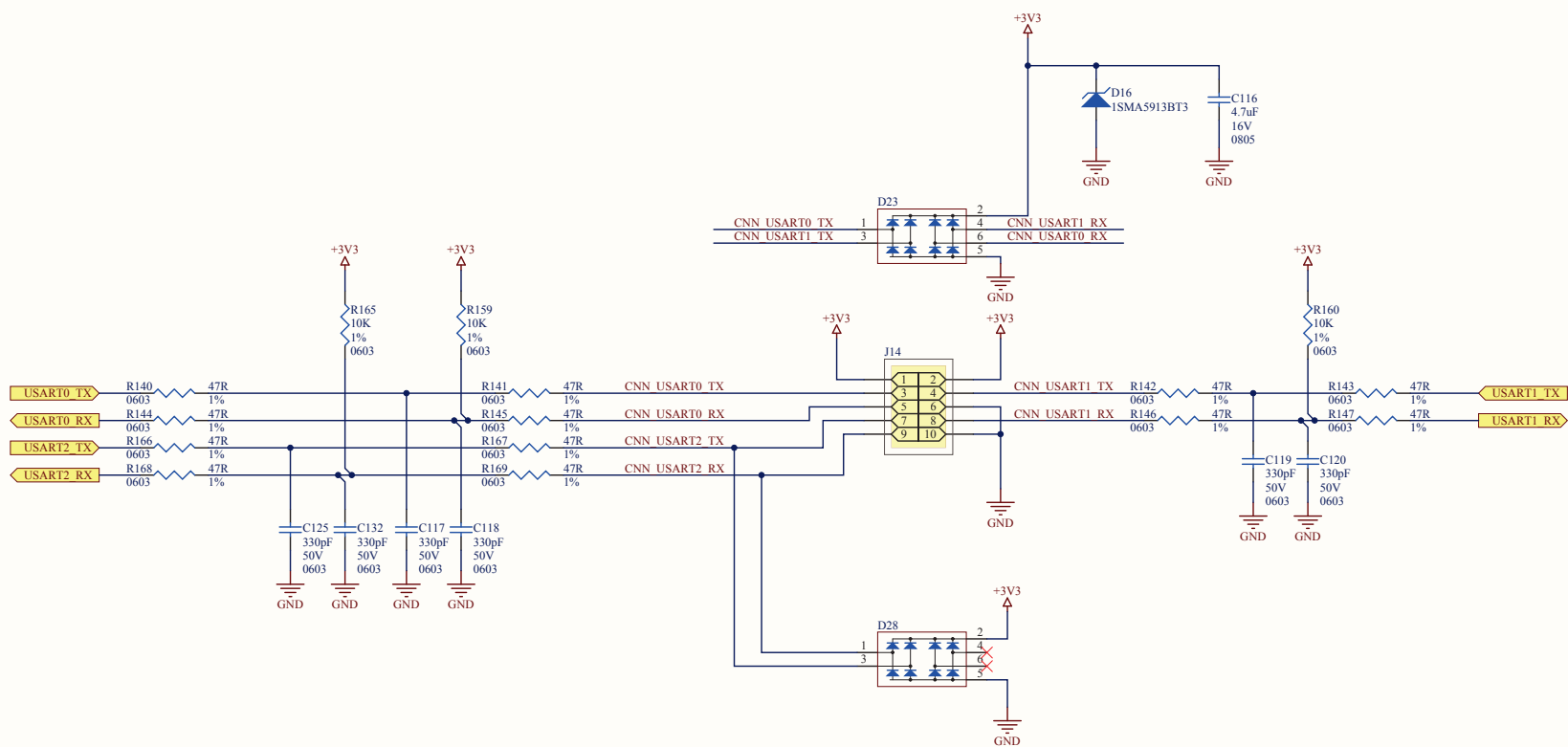
PROJECT  
Alligator Board - 3D Printer Electronic  
Variant name not interpreted

TITLE  
TOPSHEET

Designed by: F.Gargiulo  
Checked by: R.Capponi  
Verified by: M.Antonini

3D Artists - <http://www.3dartists.org>

Sheet: 15 of 16



© Francesco Gargiulo, 2015

© 2015 by Francesco Gargiulo. This work is made available under the Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International License. To view a copy of this license, visit <http://creativecommons.org/licenses/by-nc-sa/4.0/>

3Dartists

P/N  
ALLIGATOR-BOARD  
Rev.: 1.5 - DRAFT

PROJECT  
Alligator Board - 3D Printer Electronic  
Variant name not interpreted  
TITLE  
UART

Designed by: F.Gargiulo  
Checked by: R.Capponi  
Verified by: M.Antonini