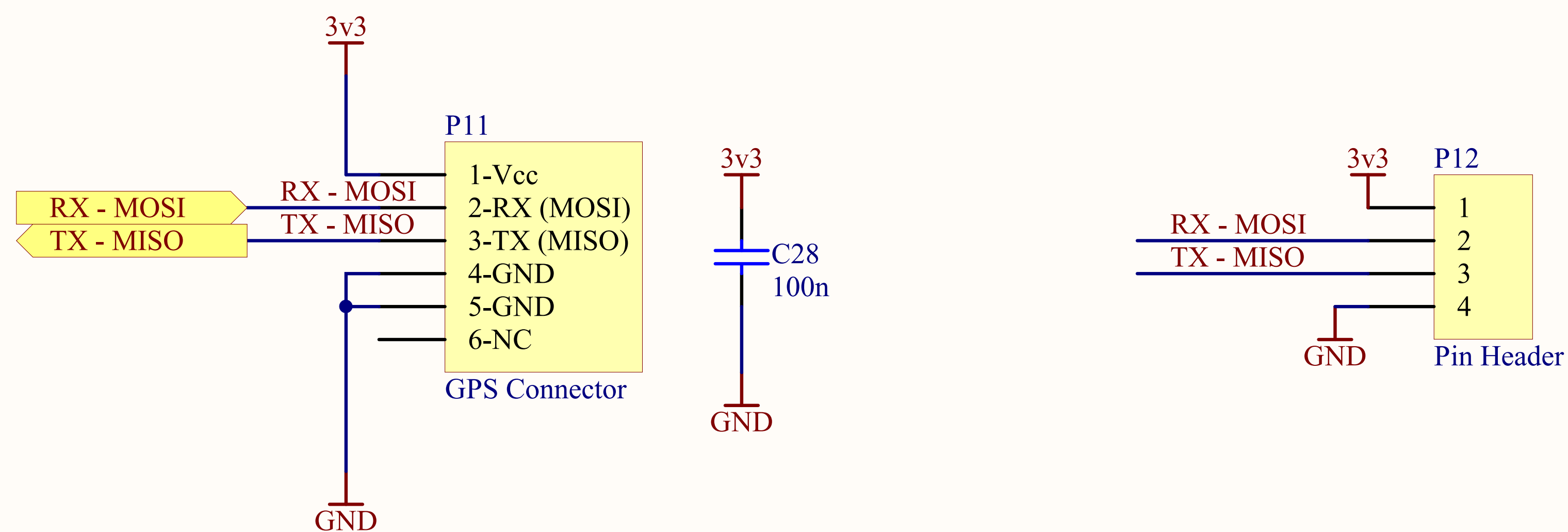


## Disclaimer

Any design and information, hardware or software is provided on an "as-is" basis without warranty of any kind and any express or implied warranties, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose are disclaimed. In no event shall wnpd (or KeaDrone) be liable for any direct, indirect, incidental, special, exemplary, or consequential damages (including, but not limited to, procurement of substitute goods or services; loss of use, data, or profits; or business interruption) however caused and on any theory of liability, whether in contract, strict liability, or tort (including negligence or otherwise) arising in any way out of the use of this firmware, hardware, software or information, even if wnpd (or KeaDrone) has been advised by user of the possibility of such potential loss or damage. The user agrees to hold wnpd (or KeaDrone) harmless from and against any and all claims, losses, liabilities and expenses.

Title <i><b>Battery voltage monitor, 12v Max.</b></i>			Contact: - <i><a href="http://www.wnpd.nl">www.wnpd.nl</a></i>	
Size: <b>A4</b>	Name: <b>Ing. W. Pietersz</b>	Revision:		-
Date: <b>31-12-2010</b>	Time: <b>12:43:10</b>	Sheet of		- <i><a href="mailto:WillyPietersz@gmail.com">WillyPietersz@gmail.com</a></i>
File: <b>E:\USE SVN\Projecten\Hardware\keadrone\hardware\IMU V1\Battery Voltage 12v Max.SchDoc</b>				

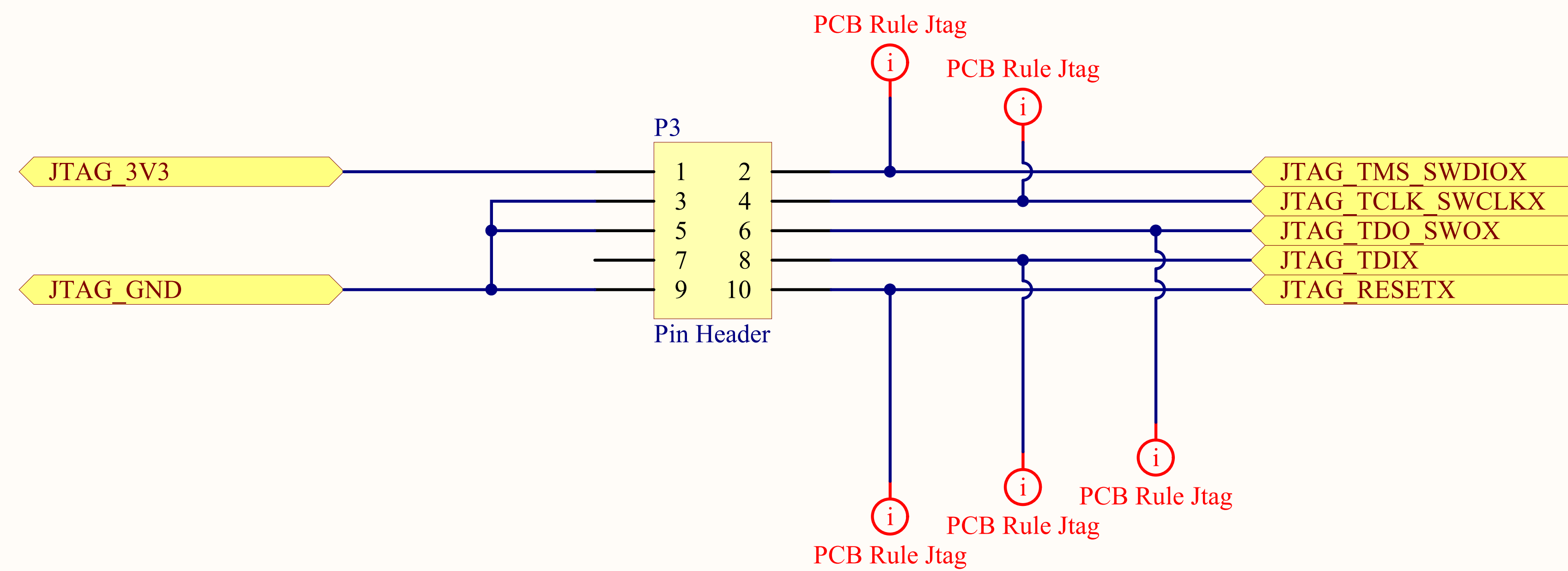


## Disclaimer

Any design and information, hardware or software is provided on an "as-is" basis without warranty of any kind and any express or implied warranties, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose are disclaimed. In no event shall wnpd (or KeaDrone) be liable for any direct, indirect, incidental, special, exemplary, or consequential damages (including, but not limited to, procurement of substitute goods or services; loss of use, data, or profits; or business interruption) however caused and on any theory of liability, whether in contract, strict liability, or tort (including negligence or otherwise) arising in any way out of the use of this firmware, hardware, software or information, even if wnpd (or KeaDrone) has been advised by user of the possibility of such potential loss or damage. The user agrees to hold wnpd (or KeaDrone) harmless from and against any and all claims, losses, liabilities and expenses.

Title	<b><i>GPS Connector</i></b>			Contact:	- <a href="http://www.wnpd.nl">www.wnpd.nl</a>
Size:	A4	Name:	Ing. W. Pietersz	Revision:	- - -
Date:	31-12-2010	Time:	12:43:11	Sheet of	- <a href="mailto:WillyPietersz@gmail.com">WillyPietersz@gmail.com</a>
File:	E:\USE SVN\Projecten\Hardware\keadrone\hardware\IMU V1\GPS Connector - LS20031.SchDoc				



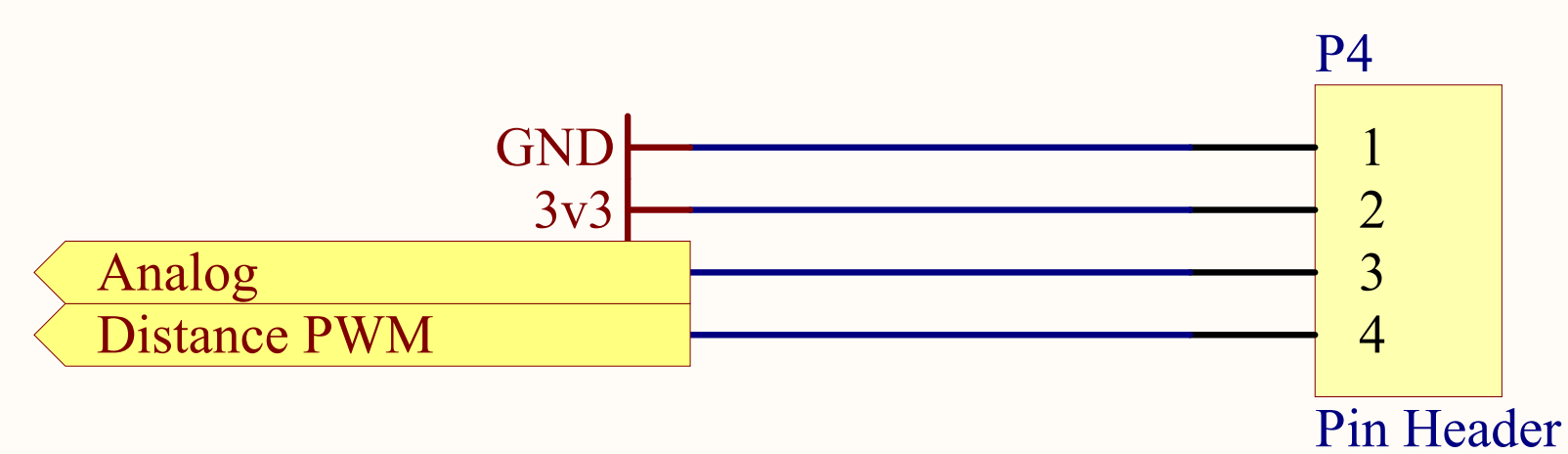
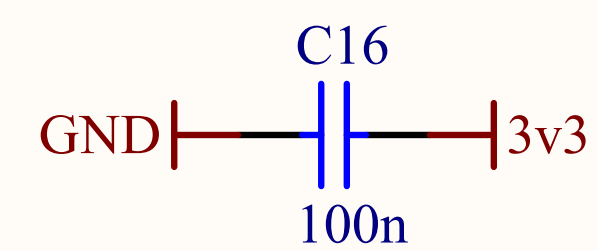


Disclaimer

Any design and information, hardware or software is provided on an "as-is" basis without warranty of any kind and any express or implied warranties, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose are disclaimed. In no event shall wnpd (or KeaDrone) be liable for any direct, indirect, incidental, special, exemplary, or consequential damages (including, but not limited to, procurement of substitute goods or services; loss of use, data, or profits; or business interruption) however caused and on any theory of liability, whether in contract, strict liability, or tort (including negligence or otherwise) arising in any way out of the use of this firmware, hardware, software or information, even if wnpd (or KeaDrone) has been advised by user of the possibility of such potential loss or damage. The user agrees to hold wnpd (or KeaDrone) harmless from and against any and all claims, losses, liabilities and expenses.

Title			Contact:	- <a href="http://www.wnpd.nl">www.wnpd.nl</a> - - - <a href="mailto:WillyPietersz@gmail.com">WillyPietersz@gmail.com</a>
Size: A4	Name: Ing. W. Pietersz	Revision:		
Date: 31-12-2010	Time: 12:43:11	Sheet of		
File: E:\USE SVN\Projecten\Hardware\keadrone\hardware\IMU V1\JTAG Connector.SchDoc				

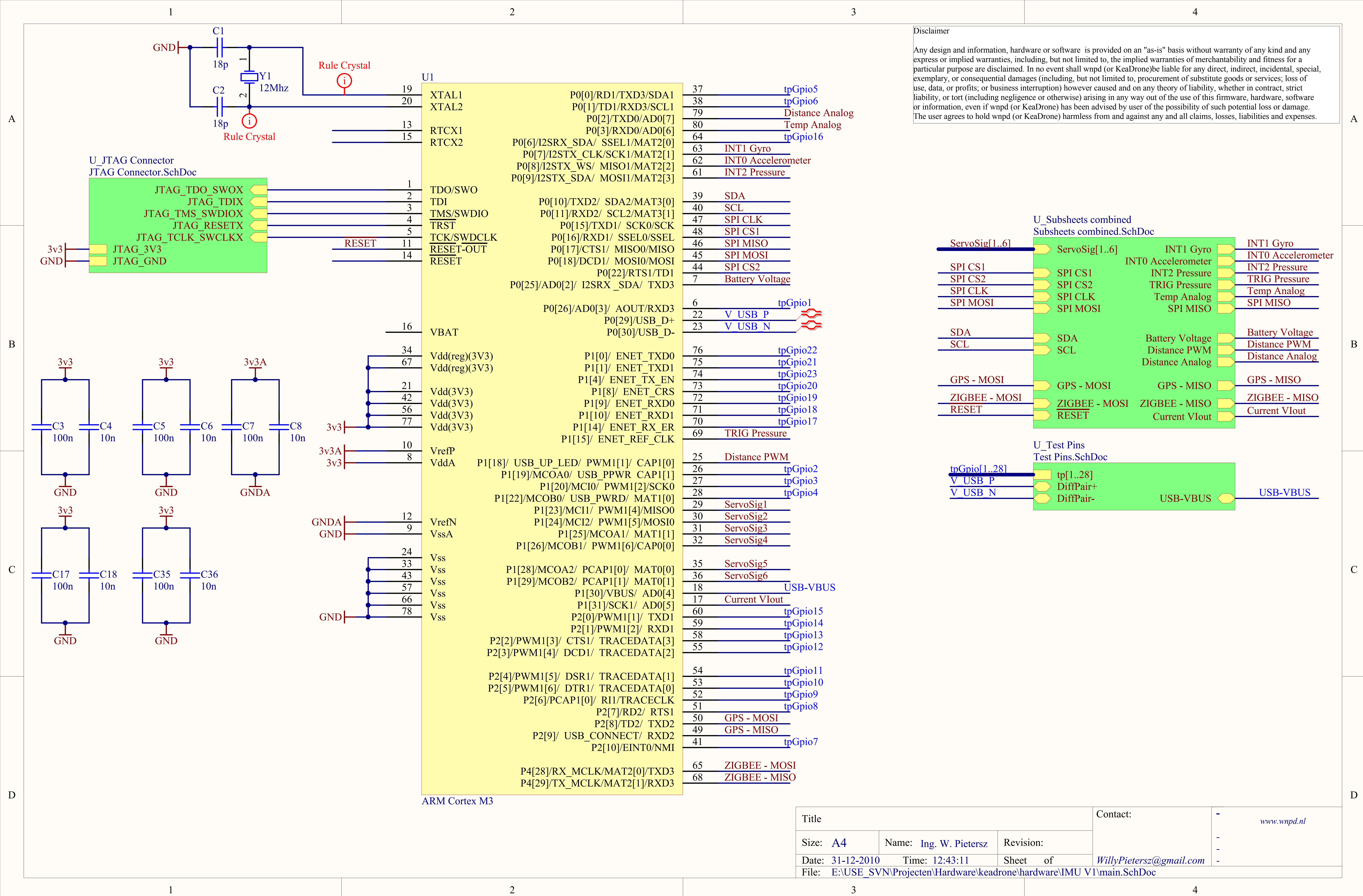


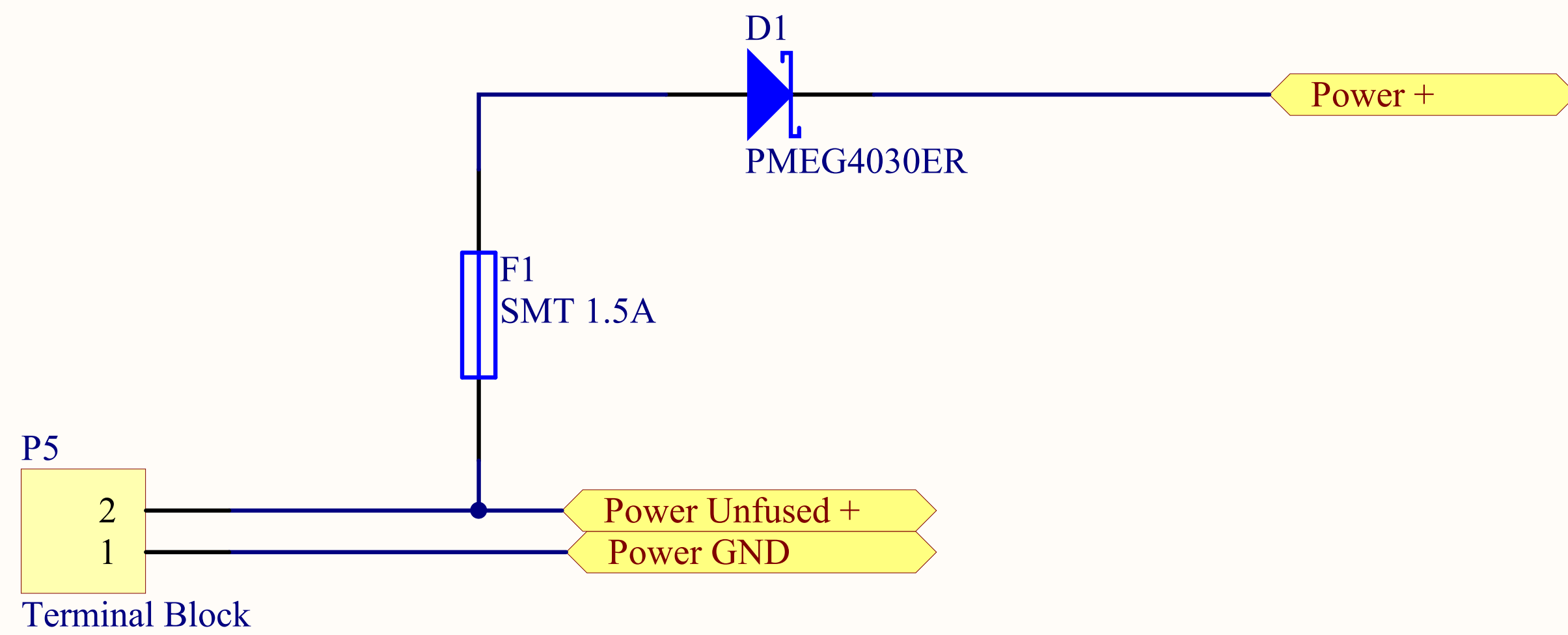


## Disclaimer

Any design and information, hardware or software is provided on an "as-is" basis without warranty of any kind and any express or implied warranties, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose are disclaimed. In no event shall wnpd (or KeaDrone) be liable for any direct, indirect, incidental, special, exemplary, or consequential damages (including, but not limited to, procurement of substitute goods or services; loss of use, data, or profits; or business interruption) however caused and on any theory of liability, whether in contract, strict liability, or tort (including negligence or otherwise) arising in any way out of the use of this firmware, hardware, software or information, even if wnpd (or KeaDrone) has been advised by user of the possibility of such potential loss or damage. The user agrees to hold wnpd (or KeaDrone) harmless from and against any and all claims, losses, liabilities and expenses.

Title <i><b>Distance echo sensor</b></i>			Contact:	-	<i><a href="http://www.wnnpd.nl">www.wnnpd.nl</a></i>
Size: <b>A4</b>	Name: <b>Ing. W. Pietersz</b>	Revision:		-	
Date: <b>31-12-2010</b>	Time: <b>12:43:11</b>	Sheet of		-	
File: <b>E:\USE SVN\Projecten\Hardware\keadrone\hardware\IMU V1\LV-MaxSonar Connector.SchDoc</b>				-	





Any design and information, hardware or software is provided on an "as-is" basis without warranty of any kind and any express or implied warranties, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose are disclaimed. In no event shall wnpd (or KeaDrone) be liable for any direct, indirect, incidental, special, exemplary, or consequential damages (including, but not limited to, procurement of substitute goods or services; loss of use, data, or profits; or business interruption) however caused and on any theory of liability, whether in contract, strict liability, or tort (including negligence or otherwise) arising in any way out of the use of this firmware, hardware, software or information, even if wnpd (or KeaDrone) has been advised by user of the possibility of such potential loss or damage. The user agrees to hold wnpd (or KeaDrone) harmless from and against any and all claims, losses, liabilities and expenses.

Title <b><i>Power Supply Entry</i></b>			Contact:	-	<a href="http://www.wnpd.nl">www.wnpd.nl</a>
Size: <b>A4</b>	Name: <b>Ing. W. Pietersz</b>	Revision:		-	
Date: <b>31-12-2010</b>	Time: <b>12:43:11</b>	Sheet of		-	
File: <b>E:\USE SVN\Projecten\Hardware\keadrone\hardware\IMU V1\Power Entry 24v-3pin Fused-1A5.SchDoc</b>				-	<a href="mailto:WillyPietersz@gmail.com">WillyPietersz@gmail.com</a>





A

B

C

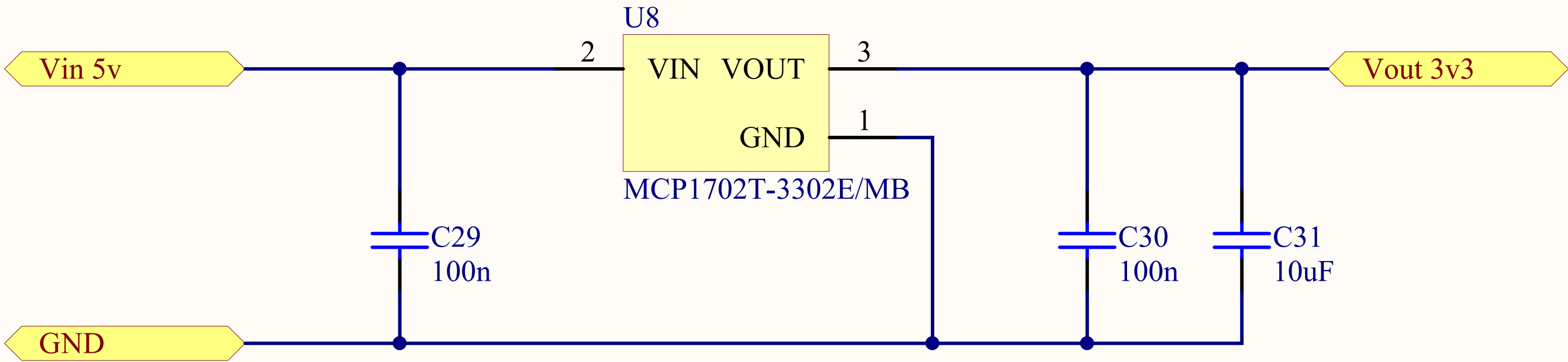
D

A

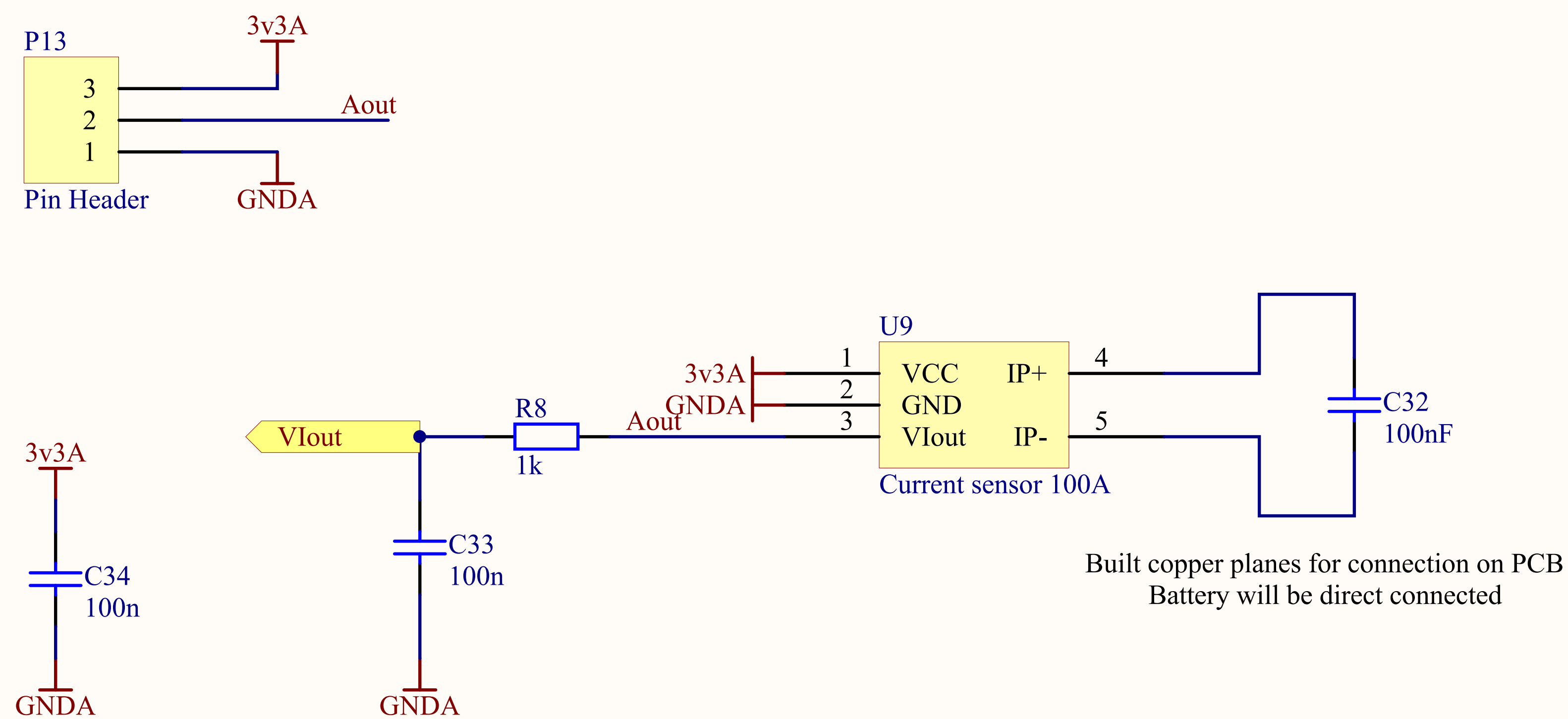
B

C

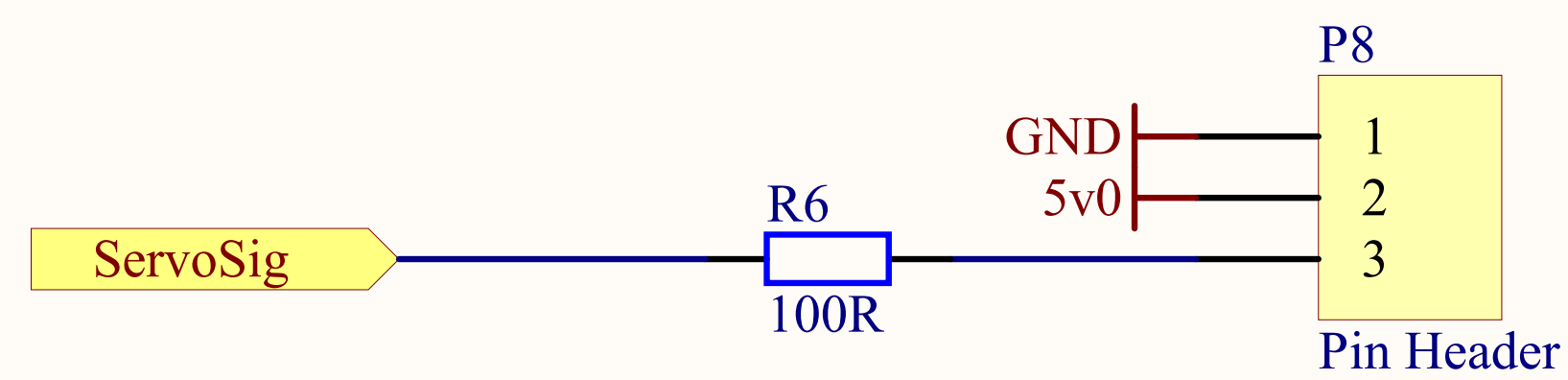
D



Title <b>Regulator 3v3 out</b>			Contact:	<b>Unique System Elektronics</b> <i>www.unique-system.nl</i> <i>Biesboschhaven noord 1-b</i> <i>4251 NL Werkendam</i> <i>Netherlands</i>
Size: <b>A4</b>	Name: <b>Ing. W. Pietersz</b>	Revision:	<i>info@unique-system.nl</i>	
Date: <b>31-12-2010</b>	Time: <b>12:43:11</b>	Sheet of	<i>WillyPietersz@gmail.com</i>	
File: <b>E:\USE_SVN\Projecten\Hardware\keadrone\hardware\IMU V1\Regulator 3v3-250mA MCP1702.SchDoc</b>				



Title <i><b>Hall-Sensor, 100A Max.</b></i>			Contact:	<b>Unique System Electronics</b> <i>www.unique-system.nl</i>
Size: <b>A4</b>	Name: <b>Ing. W. Pietersz</b>	Revision:	<i>info@unique-system.nl</i>	<i>Biesboschhaven noord 1-b</i>
Date: <b>31-12-2010</b>	Time: <b>12:43:11</b>	Sheet of	<i>WillyPietersz@gmail.com</i>	<i>4251 NL Werkendam</i>
File: <b>E:\USE SVN\Projecten\Hardware\keadrone\hardware\IMU V1\Sensor current 100A.SchDoc</b>				<i>Netherlands</i>



Disclaimer

Any design and information, hardware or software is provided on an "as-is" basis without warranty of any kind and any express or implied warranties, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose are disclaimed. In no event shall wnpd (or KeaDrone) be liable for any direct, indirect, incidental, special, exemplary, or consequential damages (including, but not limited to, procurement of substitute goods or services; loss of use, data, or profits; or business interruption) however caused and on any theory of liability, whether in contract, strict liability, or tort (including negligence or otherwise) arising in any way out of the use of this firmware, hardware, software or information, even if wnpd (or KeaDrone) has been advised by user of the possibility of such potential loss or damage. The user agrees to hold wnpd (or KeaDrone) harmless from and against any and all claims, losses, liabilities and expenses.

Title	<i>Servo connector in/out</i>			Contact:	- <a href="http://www.wnnpd.nl">www.wnnpd.nl</a>
Size:	A4	Name:	Ing. W. Pietersz	Revision:	-
Date:	31-12-2010	Time:	12:43:11	Sheet of	-
File:	E:\USE SVN\Projecten\Hardware\keadrone\hardware\IMU V1\ServoConnector.SchDoc				- <a href="mailto:WillyPietersz@gmail.com">WillyPietersz@gmail.com</a>



A

B

C

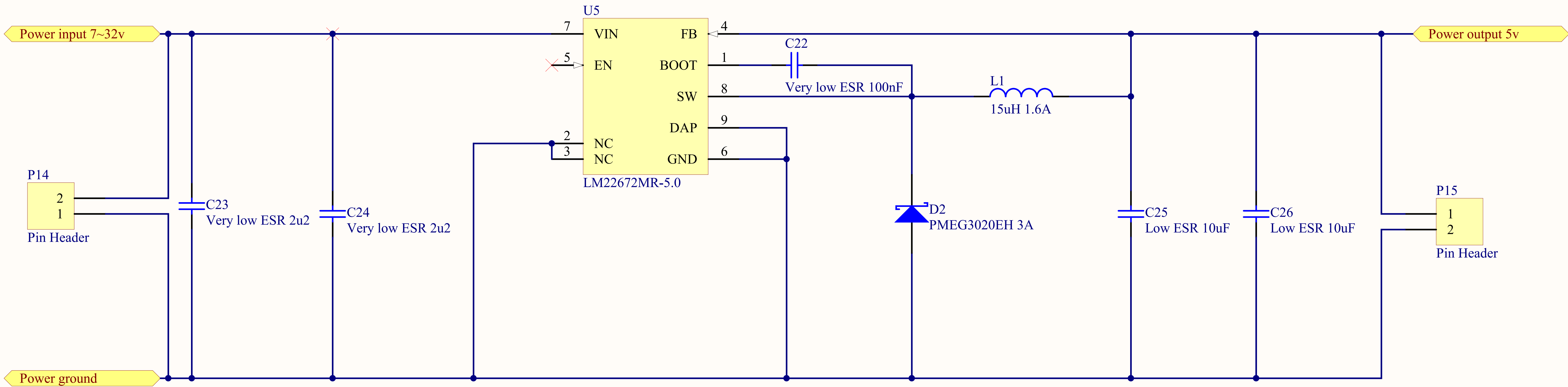
D

A

B

C

D



Disclaimer

Any design and information, hardware or software is provided on an "as-is" basis without warranty of any kind and any express or implied warranties, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose are disclaimed. In no event shall wnpd (or KeaDrone) be liable for any direct, indirect, incidental, special, exemplary, or consequential damages (including, but not limited to, procurement of substitute goods or services; loss of use, data, or profits; or business interruption) however caused and on any theory of liability, whether in contract, strict liability, or tort (including negligence or otherwise) arising in any way out of the use of this firmware, hardware, software or information, even if wnpd (or KeaDrone) has been advised by user of the possibility of such potential loss or damage. The user agrees to hold wnpd (or KeaDrone) harmless from and against any and all claims, losses, liabilities and expenses.

Title <i><b>SMPS 5v 1A - low ripple</b></i>			Contact:  <
---	--	--	---

A

B

C

D

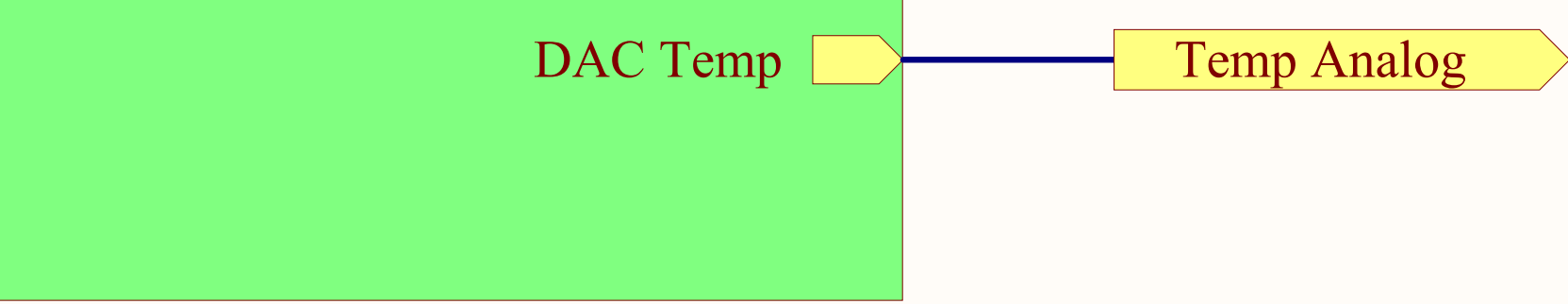
A

B

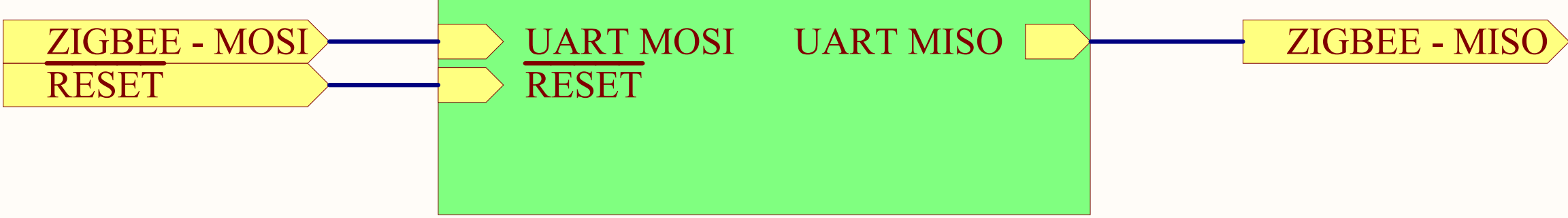
C

D

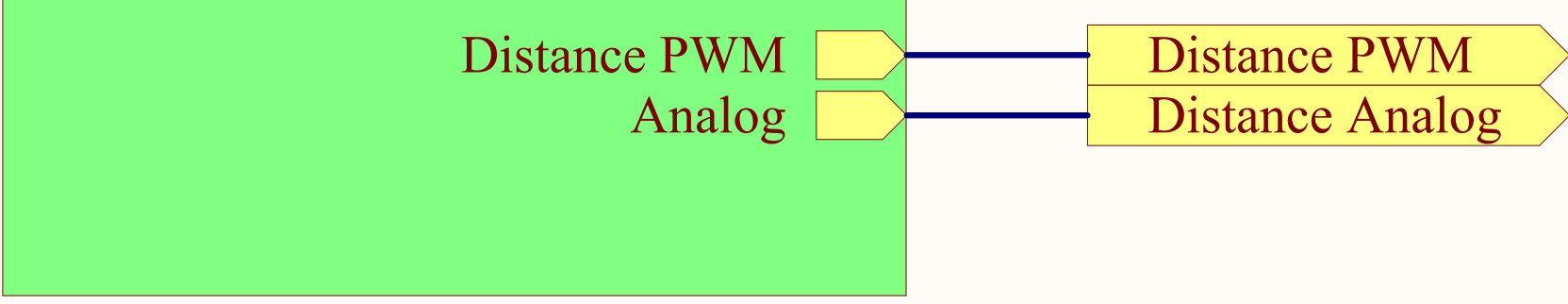
U\_Temperature sensor - TC1046VNBTR  
Temperature sensor - TC1046VNBTR.SchDoc



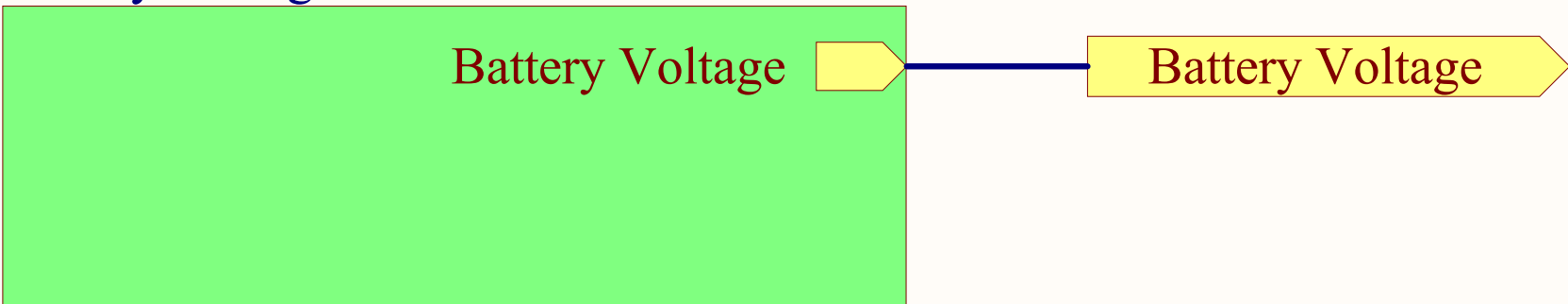
U\_Zigbee interface  
Zigbee interface.SchDoc



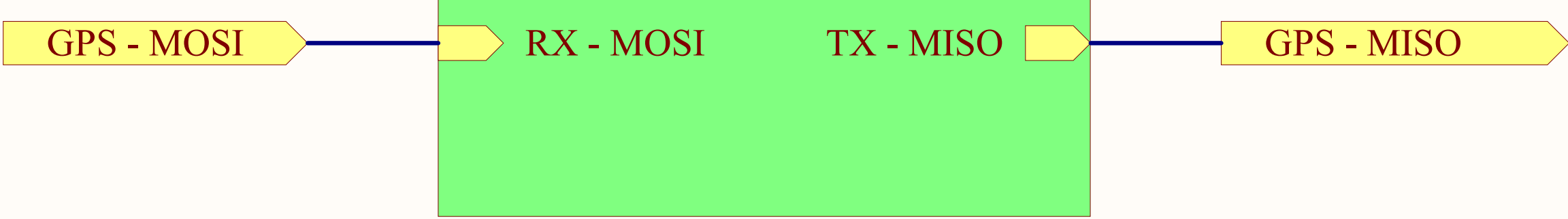
U\_LV-MaxSonar Connector  
LV-MaxSonar Connector.SchDoc



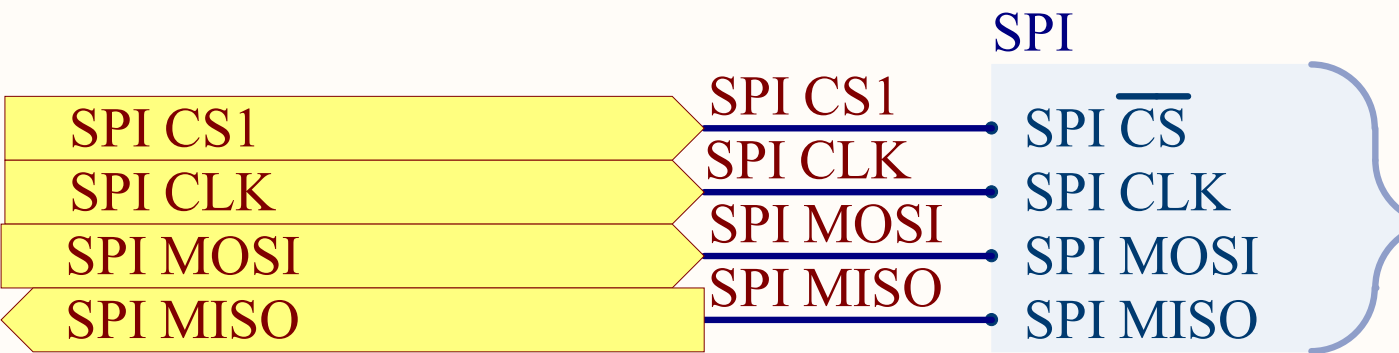
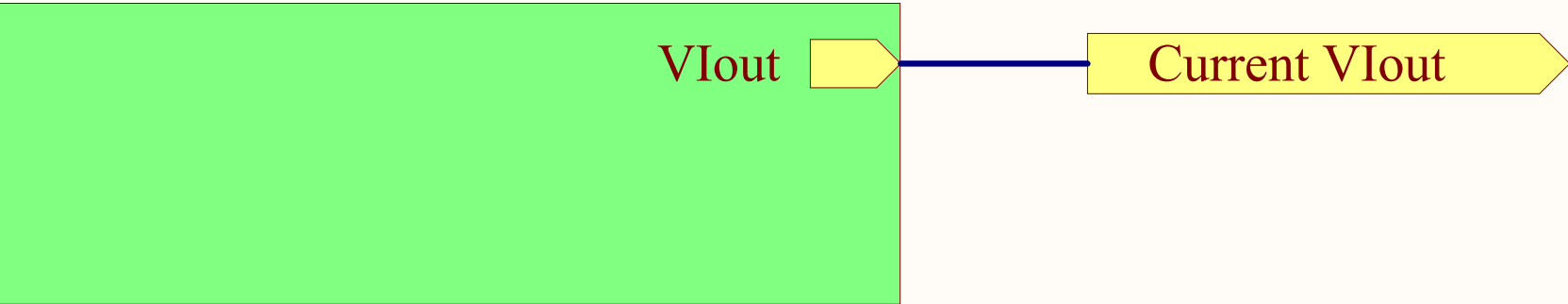
U\_Battery Voltage 12v Max  
Battery Voltage 12v Max.SchDoc



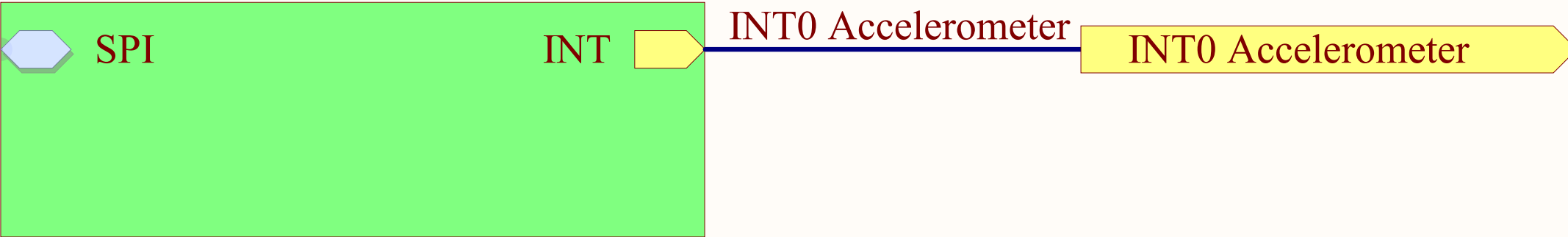
U\_GPS Connector - LS20031  
GPS Connector - LS20031.SchDoc



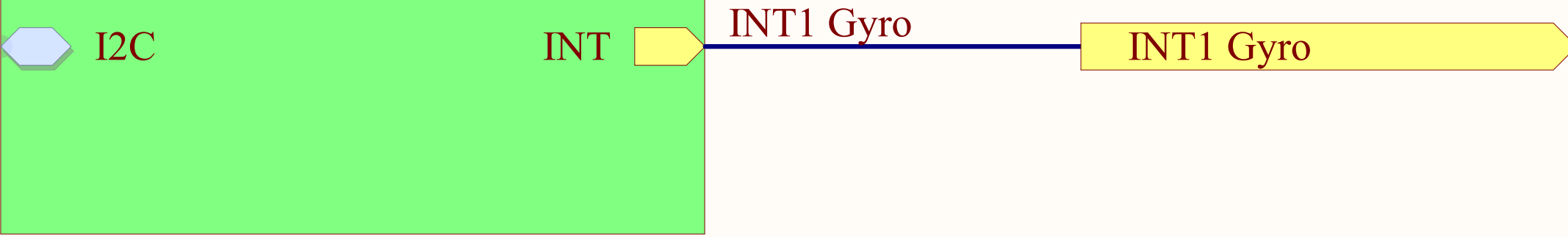
U\_Sensor current 100A  
Sensor current 100A.SchDoc



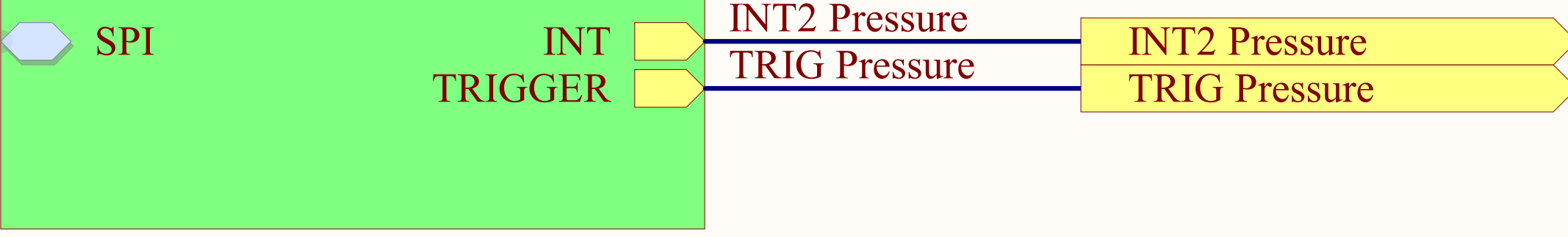
U\_Accelerometer 3-AXIS - BMA180  
Accelerometer 3-AXIS - BMA180.SchDoc



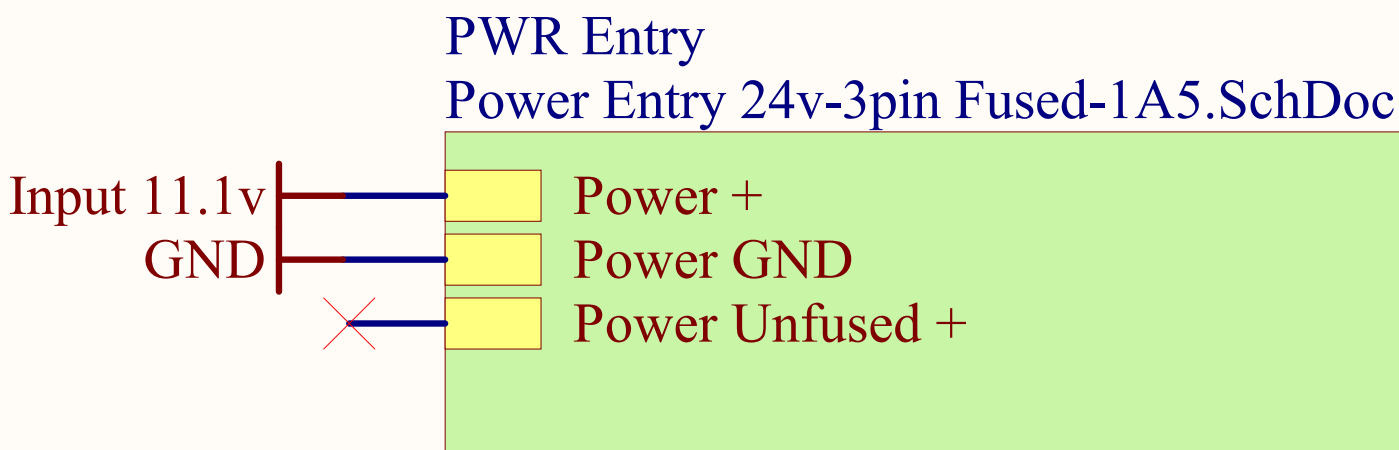
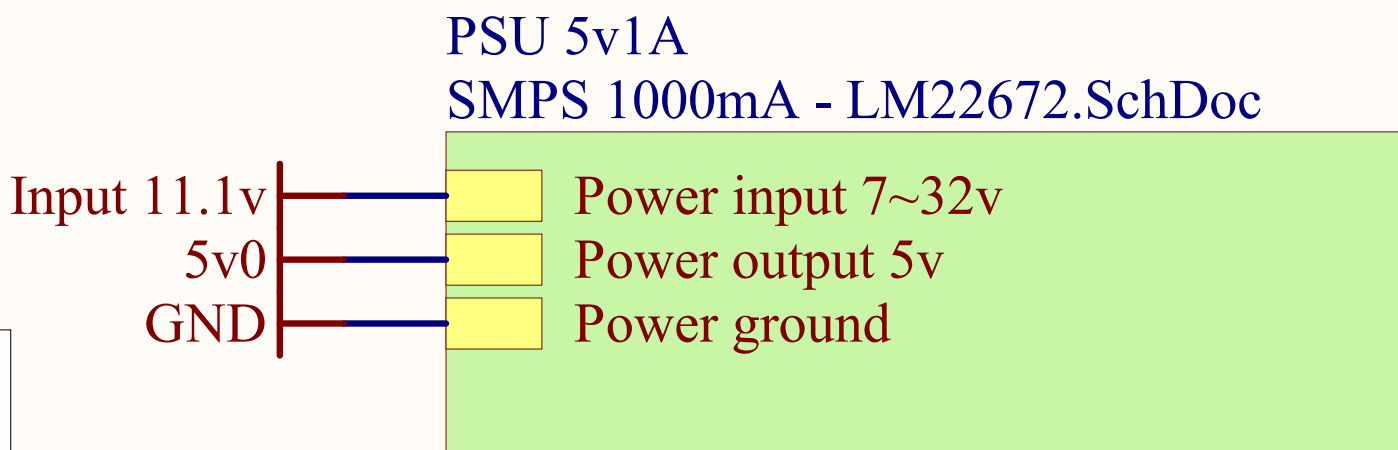
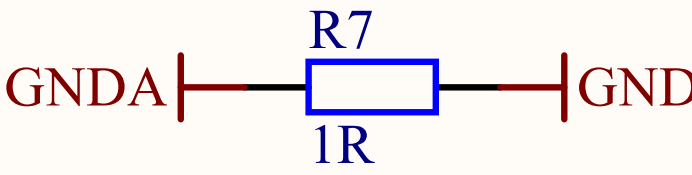
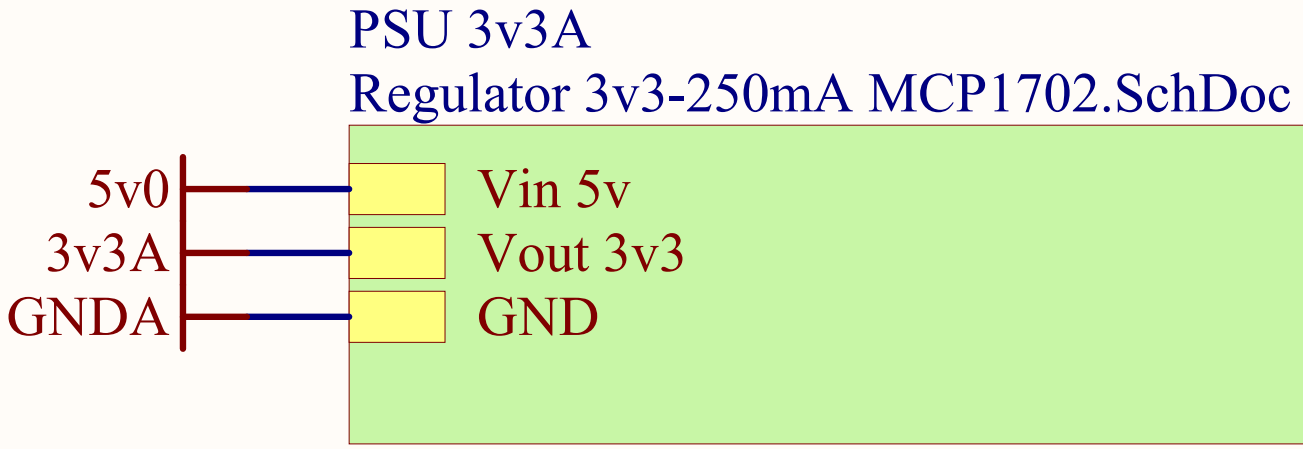
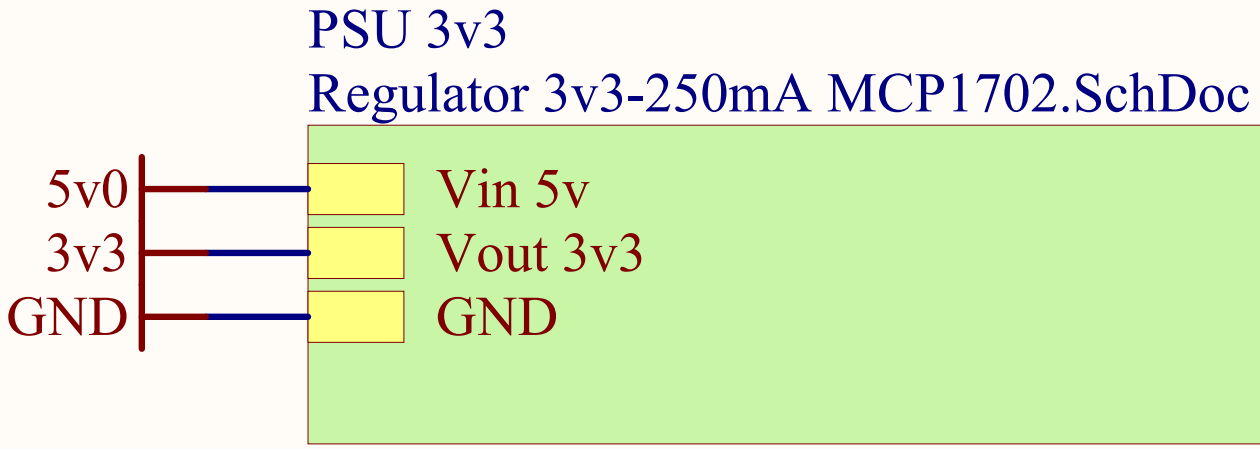
U\_GYRO 3-AXIS - ITG-3200  
GYRO 3-AXIS - ITG-3200.SchDoc



U\_Pressure sensor - SCP1000-D01  
Pressure sensor - SCP1000-D01.SchDoc



Repeat(ServoConnector,1,6)  
ServoConnector.SchDoc



Disclaimer

Any design and information, hardware or software is provided on an "as-is" basis without warranty of any kind and any express or implied warranties, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose are disclaimed. In no event shall wnpd (or KeaDrone) be liable for any direct, indirect, incidental, special, exemplary, or consequential damages (including, but not limited to, procurement of substitute goods or services; loss of use, data, or profits; or business interruption) however caused and on any theory of liability, whether in contract, strict liability, or tort (including negligence or otherwise) arising in any way out of the use of this firmware, hardware, software or information, even if wnpd (or KeaDrone) has been advised by user of the possibility of such potential loss or damage. The user agrees to hold wnpd (or KeaDrone) harmless from and against any and all claims, losses, liabilities and expenses.

Title			Contact:	-	<a href="http://www.wnpd.nl">www.wnpd.nl</a>
Size: <b>A4</b>	Name: <b>Ing. W. Pietersz</b>	Revision:		-	
Date: <b>31-12-2010</b>	Time: <b>12:43:11</b>	Sheet of		-	
File: <b>E:\USE SVN\Projecten\Hardware\keadrone\hardware\IMU V1\Subsheets combined.SchDoc</b>				-	



A

B

C

D

A

B

C

D

1

2

3

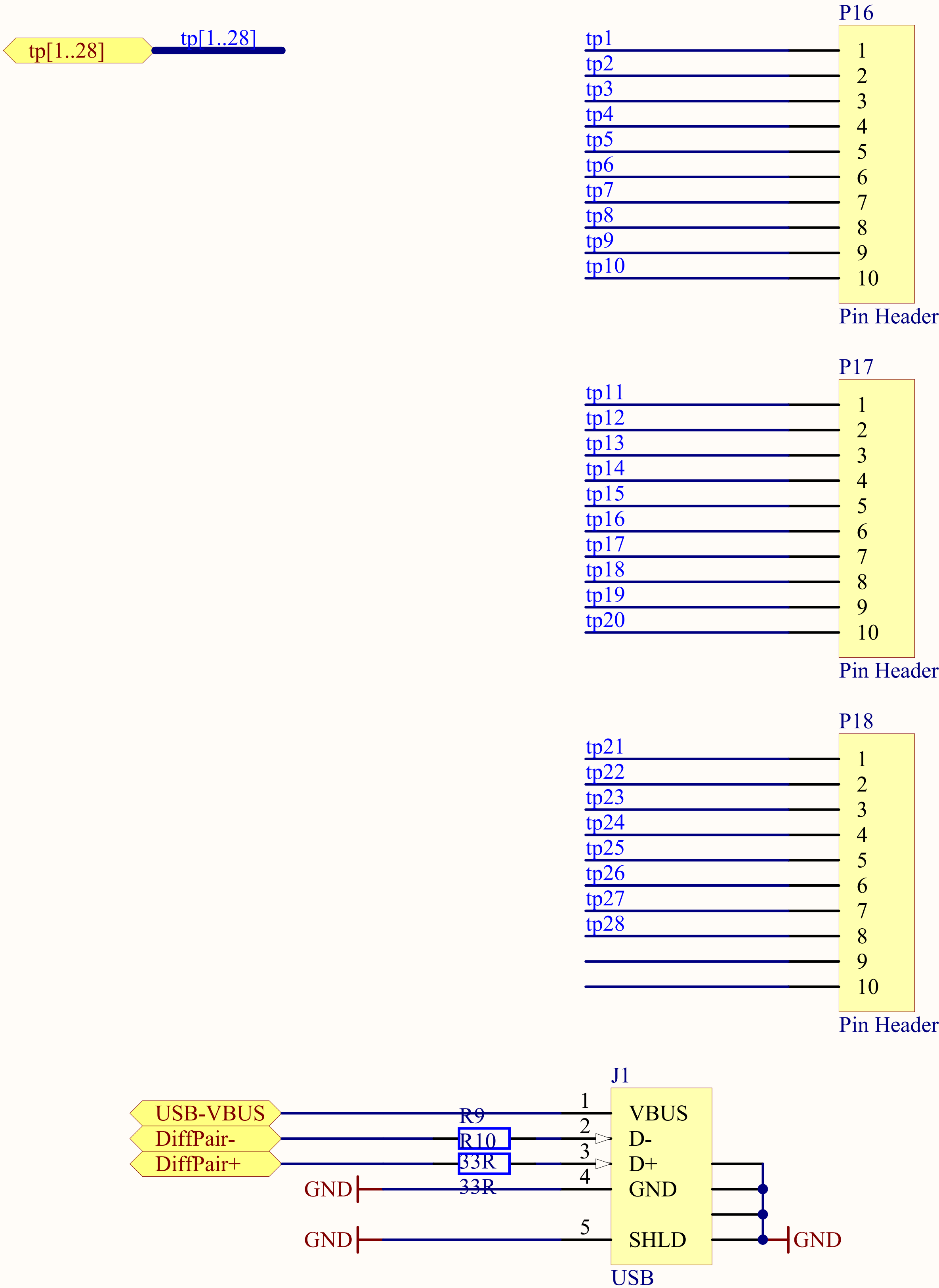
4

1

2

3

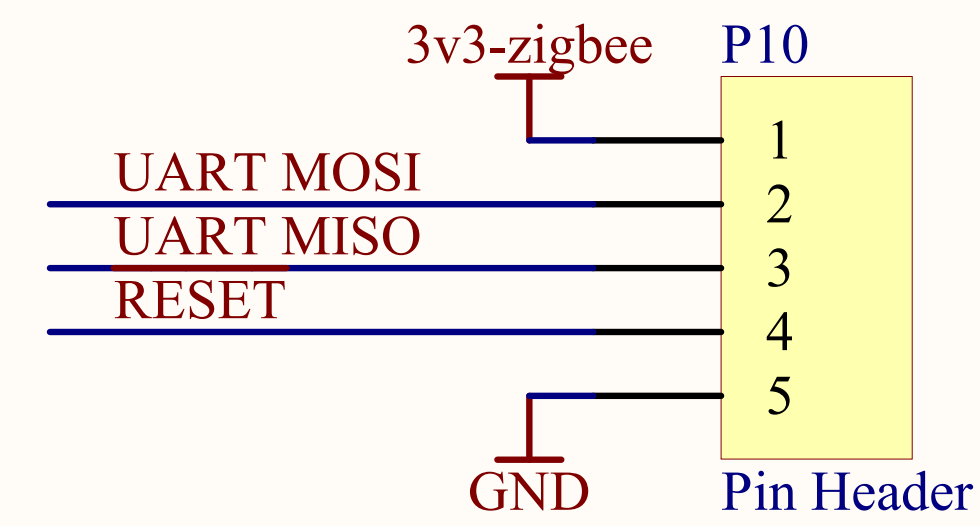
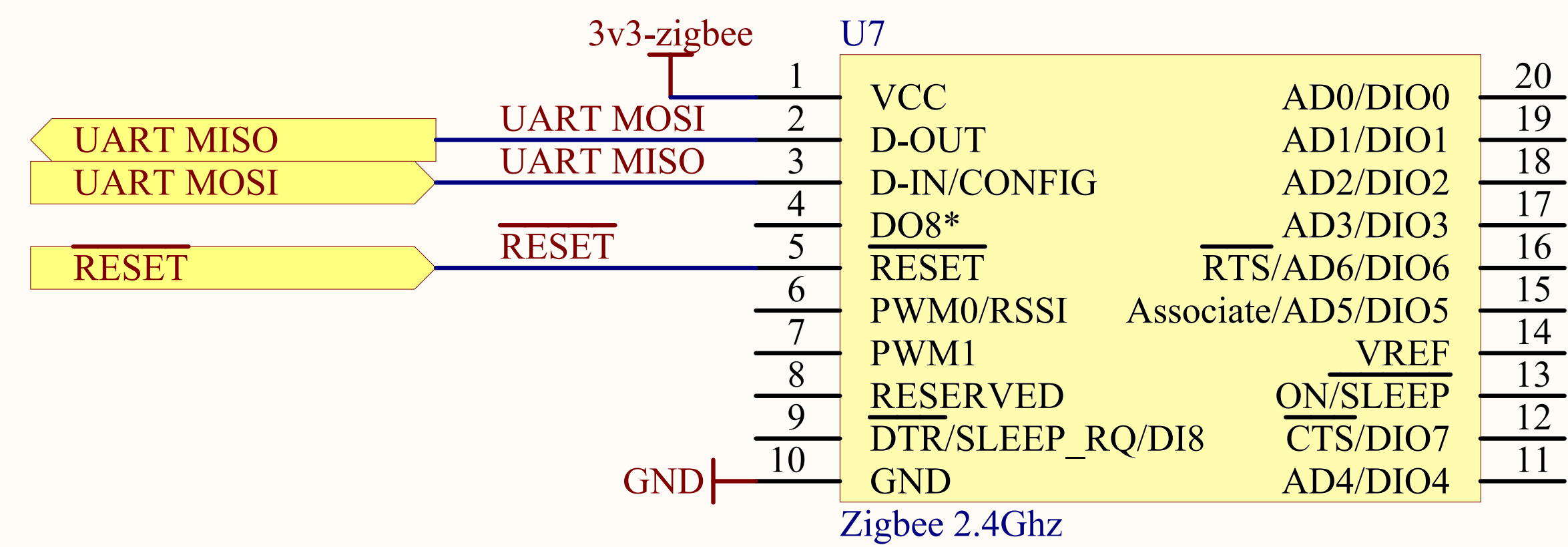
4



Title			Contact:	<b>Unique System Electronics</b> <i>www.unique-system.nl</i> <i>Biesboschhaven noord 1-b</i> <i>4251 NL Werkendam</i> <i>Netherlands</i>
Size: A4	Name: Ing. W. Pietersz	Revision:	<i>info@unique-system.nl</i>	
Date: 31-12-2010	Time: 12:43:12	Sheet of	<i>WillyPietersz@gmail.com</i>	
File: E:\USE_SVN\Projecten\Hardware\keadrone\hardware\IMU V1\Test Pins.SchDoc				

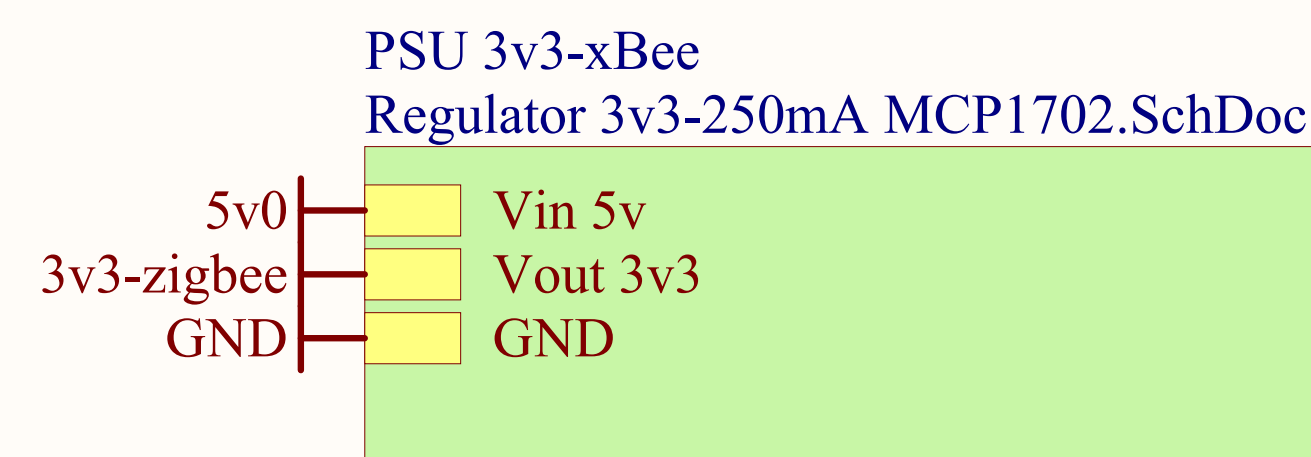


A



Xbee pro can use up to 250mA

B



C

D

Disclaimer

Any design and information, hardware or software is provided on an "as-is" basis without warranty of any kind and any express or implied warranties, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose are disclaimed. In no event shall wnpd (or KeaDrone) be liable for any direct, indirect, incidental, special, exemplary, or consequential damages (including, but not limited to, procurement of substitute goods or services; loss of use, data, or profits; or business interruption) however caused and on any theory of liability, whether in contract, strict liability, or tort (including negligence or otherwise) arising in any way out of the use of this firmware, hardware, software or information, even if wnpd (or KeaDrone) has been advised by user of the possibility of such potential loss or damage. The user agrees to hold wnpd (or KeaDrone) harmless from and against any and all claims, losses, liabilities and expenses.

Title <i>Xbee with dedicated PSU</i>			Contact:	-
Size: A4	Name: Ing. W. Pietersz	Revision:		-
Date: 31-12-2010	Time: 12:43:12	Sheet of		-
File: E:\USE SVN\Projecten\Hardware\keadrone\hardware\IMU V1\Zigbee interface.SchDoc				-
				<a href="http://www.wnpd.nl">www.wnpd.nl</a>