The intention of this errata technical note is to give a detailed description of known functional or electrical issues with the FTDI Vinculum-II (VNC2) devices.

Each deviation is assigned a number and its history is tracked in a table at the beginning of the document.
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1 Errata History Table – Functional Problems

<table>
<thead>
<tr>
<th>Functional Problem</th>
<th>Short description</th>
<th>Errata occurs in device revision</th>
</tr>
</thead>
<tbody>
<tr>
<td>VNC2_SPI 1.00</td>
<td>Incorrect data transmission in SPI Modes</td>
<td>A</td>
</tr>
</tbody>
</table>

1.1 Errata History Table – Electrical and Timing Specification Deviations.

<table>
<thead>
<tr>
<th>Deviations</th>
<th>Short description</th>
<th>Errata occurs in device revision</th>
</tr>
</thead>
</table>
2 Functional Problems of VNC2

VNC2 SPI 1.00 – Incorrect data transmission in SPI Modes

Introduction:
VNC2 can be configured to operate in multiple SPI modes.

Problem:
The following SPI Slave modes do not function correctly and result in incorrect data transmission: Full Duplex, Half Duplex, Half Duplex 3 pin, Unmanaged and VNC1L Legacy.

Workaround:
There are no known workarounds available. This issue will be corrected at silicon revision B.

Package specific:
The effected packages are listed in **Table 1**.

<table>
<thead>
<tr>
<th>Package</th>
<th>Applicable (Yes/No)</th>
</tr>
</thead>
<tbody>
<tr>
<td>VNC2-64L1A</td>
<td>Y</td>
</tr>
<tr>
<td>VNC2-64Q1A</td>
<td>Y</td>
</tr>
<tr>
<td>VNC2-48L1A</td>
<td>Y</td>
</tr>
<tr>
<td>VNC2-48Q1A</td>
<td>Y</td>
</tr>
<tr>
<td>VNC2-32L1A</td>
<td>Y</td>
</tr>
<tr>
<td>VNC2-32Q1A</td>
<td>Y</td>
</tr>
</tbody>
</table>

**Table 1**

2.1.1 Electrical and Timing specification deviations of VNC2

At the time of writing this technical note, there are no known electrical or timing issues with the VNC2 devices.
3 VNC2 Package Markings

VNC2 is available in six RoHS Compliant packages, three QFN packages (64QFN, 48QFN & 32QFN) and three LQFP packages (64LQFP, 48LQFP & 32LQFP). An example of the markings on each package is shown in Figure 3-1. The FTDI part number is too long for the 32 QFN package so in this case the last two digits are wrapped down onto the date code line as shown in Figure 3-2.
3.1 VNC2 Revision

VNC2 part numbers are listed in Table 2. The letter at the end of the part number identifies the device revision (highlighted in bold).

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Package</th>
</tr>
</thead>
<tbody>
<tr>
<td>VNC2-64L1A</td>
<td>64 Pin LQFP</td>
</tr>
<tr>
<td>VNC2-64Q1A</td>
<td>64 Pin QFN</td>
</tr>
<tr>
<td>VNC2-48L1A</td>
<td>48 Pin LQFP</td>
</tr>
<tr>
<td>VNC2-48Q1A</td>
<td>48 Pin QFN</td>
</tr>
<tr>
<td>VNC2-32L1A</td>
<td>32 Pin LQFP</td>
</tr>
<tr>
<td>VNC2-32Q1A</td>
<td>32 Pin QFN</td>
</tr>
</tbody>
</table>

Table 2 VNC2 Part Numbers

This errata technical note covers the revisions of VNC2 listed in Table 3.

<table>
<thead>
<tr>
<th>Revision</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>First device revision</td>
</tr>
</tbody>
</table>

Table 3 VNC2 Revisions
4 Contact Information

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Appendix C – Revision History

<table>
<thead>
<tr>
<th>Version</th>
<th>Draft</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Version Draft</td>
<td>First Draft</td>
<td>19/02/2010</td>
</tr>
<tr>
<td>Version 1.0</td>
<td>First Release</td>
<td>23/02/2010</td>
</tr>
</tbody>
</table>