MCP2221 Silicon Errata and Data Sheet Clarification

The MCP2221 parts that you have received conform functionally to the current Device Data Sheet (DS20005292B), except for the anomalies described in this document.

The silicon issue discussed in the following pages are being addressed in the current MCP2221 Rev. A silicon errata.

1. Module: USB-UART Bridging

Some of the internal registers associated with the UART power up in an unknown state. Under certain conditions, this can cause the USB-UART bridging to become non-responsive.

**Work around**

The MCP2221A is a pin-for-pin compatible replacement for the MCP2221. All registers associated with the UART power up in a known state, which eliminates this issue.

**Affected Silicon Revisions**

All production devices with Device ID/Revision register value shown below:

<table>
<thead>
<tr>
<th>Module</th>
<th>Feature</th>
<th>Issue Summary</th>
<th>Affected Firmware Revision</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>USB-UART</td>
<td>UART control registers are not initialized properly at power up</td>
<td>1.1</td>
</tr>
</tbody>
</table>
APPENDIX A: DOCUMENT
REVISION HISTORY


• Initial release of this document
Note the following details of the code protection feature on Microchip devices:

- Microchip products meet the specification contained in their particular Microchip Data Sheet.
- Microchip believes that its family of products is one of the most secure families of its kind on the market today, when used in the intended manner and under normal conditions.
- There are dishonest and possibly illegal methods used to breach the code protection feature. All of these methods, to our knowledge, require using the Microchip products in a manner outside the operating specifications contained in Microchip’s Data Sheets. Most likely, the person doing so is engaged in theft of intellectual property.
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- Neither Microchip nor any other semiconductor manufacturer can guarantee the security of their code. Code protection does not mean that we are guaranteeing the product as “unbreakable.”

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