Active Errata List

- During UART Reception, Clearing REN May Generate Unexpected IT
- Timer 2 – Baud Rate Generator – Long Start Time
- Stretch MOVX Does Not Work
- Timer0/1 – Extra Interrupt

Errata History

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<th>Errata List</th>
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<tbody>
<tr>
<td>All</td>
<td>1, 2, 3, 4</td>
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</table>

Errata Descriptions

1. **During UART Reception, Clearing REN May Generate Unexpected IT**
   
   During UART reception, if the REN bit is cleared between start bit detection and the end of reception, the UART will not discard the data (RI is set).

   **Workaround**
   
   Test REN at the beginning of Interrupt routine just after CLR RI, and run the Interrupt routine code only if REN is set.

2. **Timer 2 – Baud Rate Generator – Long Start Time**
   
   When Timer 2 is used as a baud rate generator, TH2 is not loaded with RCAP2H at the beginning, then UART is not operational before 10,000 machine cycles.

   **Workaround**
   
   Add the initialization of TH2 and TL2 in the initialization of Timer 2.

3. **Stretch MOVX Does Not Work**
   
   When setting M0 bit in AUXR SFR (08Eh), the RD or WR pulse on a MOVX instruction on external memory is not 30 XTAL length but always standard 6 XTAL length. Thus slow external peripherals mapping in the XDATA space could not work properly.

   **Workaround**
   
   None.

4. **Timer0/1 – Extra Interrupt**
   
   When Timer0 is in X1 mode and Timer1 in X2 mode and vice versa, extra interrupt may randomly occur for Timer0 or Timer1.

   **Workaround**
   
   Use the same mode for the two timers..
Active UART Bootloader Errata List

- API program Data Byte - Incorrect Return Value
- API program Data Page - Incorrect Return Value

UART Bootloader Errata History

<table>
<thead>
<tr>
<th>Version Number</th>
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<tr>
<td>0.1 (1.0.1 displayed by FLIP)</td>
<td>1,2</td>
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UART Bootloader Errata Description

1. **API program Data Byte - Incorrect Return Value**
   The PROGRAM DATA BYTE API returns the ‘0xXX’ instead of 0x00 in ACC, but the programming operation is successfully completed.

2. **API program Data Page - Incorrect Return Value**
   The PROGRAM DATA PAGE API returns the ‘0xXX’ instead of 0x00 in ACC, but the programming operation is successfully completed.