

PIC16F87/88 Rev. C0 Silicon Errata

The PIC16F87/88 Rev. C0 parts you have received conform functionally to the Device Data Sheet (DS30487C), except for the anomalies described below.

All of the issues listed here will be addressed in future revisions of the PIC16F87/88 silicon.

The following silicon errata apply only to PIC16F87/88 devices with these Device/Revision IDs:

Part Number	Device ID	Revision ID
PIC18F87	00 0111 001	0 0110
PIC16F88	00 0111 011	0 0110

1. Module: I/O Ports (PORTB)

When the PORTB interrupt-on-change feature and a PORTB peripheral are enabled simultaneously, the PORTB peripheral input signal's rising and falling edges will trigger an interrupt-on-change event. This is due to the interrupt-on-change feature not being disabled on the respective pin for that peripheral when interrupt-on-change is enabled.

The affected pins and peripheral signals on PORTB are:

- RB4: SCK and SCL
- RB5: \overline{SS}
- RB6: T1CKI

This issue does *not* affect the functionality of the following:

- T1OSI (RB7)
- T1OSO (RB6)
- TX/CK (RB5)

Work around

Use revision C2 silicon.

Date Codes that pertain to this issue:

All date codes associated with silicon revision C0. This issue is not found in devices with silicon revision C2 (Revision ID: 0 1000) or later.

PIC16F87/88

REVISION HISTORY

Rev A Document (1/2007)

First revision of this document. Silicon issue 1 (Internal RC Oscillator, IOFS bit), issue 2 (Internal RC Oscillator), issue 3 (PORTB) and issue 4 (PORTB, RB6 pin).

Rev B Document (1/2008)

Removed silicon issues 1 (Internal RC Oscillator, IOFS bit), 2 (Internal RC Oscillator), 3 (PORTB) and 4 (PORTB, RB6 pin). Added new silicon issue 1 (I/O Ports, PORTB).

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