
MCP250XX Rev. A2 Silicon Errata Sheet

The MCP250XX parts you have received conform functionally to the Device Data Sheet (DS21664A), except for the anomalies described below.

These Errata are associated with the following Microchip devices:

- MCP25020
- MCP25025
- MCP25050
- MCP25055

1. MODULE: CAN

The CAN module may send a passive error flag earlier than expected. This will occur at the transition point of error active to error passive, TEC (Transmit Error Count), or REC (Receive Error Count) ≥ 128 .

Work Around

None.

2. MODULE: CAN

The CAN module may not synchronize correctly if there is a phase error between nodes that is equal to the Synchronization Jump Width (SJW). As a result, the module may request retransmission of messages from the transmitting node (via an Error Frame).

Work around

Use the longest SJW possible that will work with the application.

3. MODULE: CONTROL LOGIC

The device may exceed the maximum standby current specification (IDDS) when it is initially placed into SLEEP mode (OPTREG2.SLPEN bit is set).

This condition may peak at ≥ 2 mA for a duration of ≤ 10 seconds, up to 5 seconds after the SLEEP mode command is received, with the magnitude and length of time being dependent on external conditions, including device voltage and temperature range.

Work Around

None.

CLARIFICATIONS/CORRECTIONS TO THE DATA SHEET:

In the Device Data Sheet (DS21664A), the following clarifications and corrections should be noted.

None

REVISION HISTORY

Rev. A Document

Initial release of this document.

MCP250XX

NOTES:

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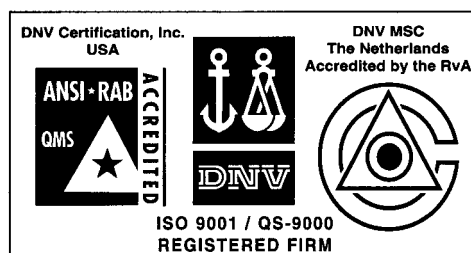
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