

Freescalé MQX RTOS Example Guide

SDRAMC example

This document describes one of the most basic example applications for SDRAMC. The example sdrámC handles only one task which validates the access to external memory.

Running the example

Start a terminal application on your PC and set the serial connection for 115200 baudrate, 8 data bits, 1 stop bit, no parity and no flow control.

Start sdrámC example on the target platform. Then you will see the printed message as the following.

Note:

- Before building MQX libraries it's necessary to enable `BSPCFG_ENABLE_SDRAMC` in `user_config.h` file:
 - o `#define BSPCFG_ENABLE_SDRAMC 1`

MQX SDRAMC DEMO EXAMPLE.

```
Block validated:      0
Block validated:      1
Block validated:      2
Block validated:      3
Block validated:      4
Block validated:      5
```

...

```
Block validated:    8187
Block validated:    8188
Block validated:    8189
Block validated:    8190
Block validated:    8191
```

SDRAM Validation Report

```
Total block count: 8192
Right block count: 8192
Error block count: 0
```

The "SDRAMC Validation Report" will report the result of test.