Stellaris® Robotic Evaluation Board

This document provides the latest information for assembling and using your Stellaris® Robotic Evaluation Board (EVALBOT).

Assembly Information

Due to plating tolerances, it might be difficult to fit the wheels to the motor shaft if the wheel is assembled first. Instead, fit all three wheel pieces to the motor shaft before inserting the set-screws. This ensures correct alignment of the three wheel pieces.

Features

The EVALBOT hardware supports USB device as a self-powered device from either batteries or the ICDI USB cable. Bus-powered USB device operation is no longer provided.

NOTE: EVALBOTs with serial numbers less than 50910-1500 do not support using the ICDI USB connector as a power source. During debugging, either install batteries or connect the USB device connector to a power source.

Debugging using IAR Embedded Workbench

Because the IAR debugger is not presently aware of Micrium's µC/OS-III operating system, the following error may be reported when the debugger is halted:

```
Mon Sep 20 16:24:14 2010: The stack pointer for stack 'CSTACK' (currently
0x200023D8) is outside the stack range (0x20000000 to 0x20000400)
```

Ignore this error message as it does not affect debugging.

For more information:

www.ti.com/evalbot

www.Micrium.com/Books/Micrium-uCOS-III

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http://www.ti.com/stellaris

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