Hardware Documentation

for JTAG Debug Adapter

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History

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V Version

A,M,R Added, Modified, Removed

Au Author

About This Document

This document describes how to use the F&S JTAG Debug Adapter with mechanical and electrical information. The latest version of this document can be found at:

http://www.fs-net.de.

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1 Mechanical dimension

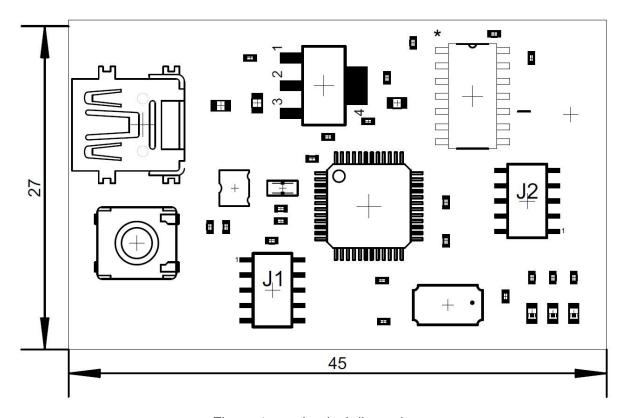


Figure 1: mechanical dimension

1.1 Module

PCB size: $27mm \times 45mm$ PCB thickness: $1.6 \pm 0.1mm$

Height of parts on the top side: tbd Height of parts on the bottom side: tbd Weight: tbd



2 Connector layout

F&S JTAG Debug Adapter

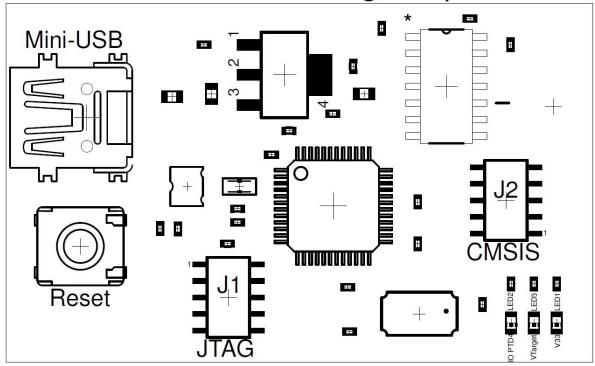


Figure 2: Connector Layout Top



3 Connect the Adapter



Figure 3: How to connect the Board

Connect pin 1 of the adapter to pin 1 of the board!



4 Interface and signal description

4.1 J2 CMSIS

J1	J1					
Pin	Function					
1	3.3V Target					
2	SWD_DIO					
3	Ground					
4	SWD_CLk					
5	Ground					
6	Not connected					
7	Not connected					
8	Not connected					
9	Not connected					
10	SWD_RST					



5 Freescale Vybrid System development with ARM DS-5

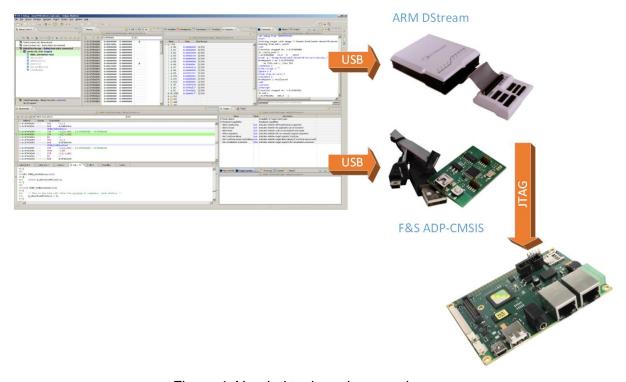


Figure 4: Needed tools and connections

5.1 Freescale Vybrid MQX: Ping Pong ARM DS-5 Demo

Needed Tools:

- ARM DS-5 ver. 5.15.0
- Freescale MQX 4.0.2
- F&S ADP-CMSIS

Install DS-5 30-day-evaluation (available on www.arm.com) and MQX DS-5 Add-On (<mqx>/tools/ds5/ds5_update_site.zip).

Import MQX into ARM DS-5 (File \rightarrow Import \rightarrow Other \rightarrow Import Working Sets < mqx > / config / coard > / ds5 /* .wsd

Import MCC library and demo (File → Import → General → Existing...)

Note:

Do not copy projects in workspace!



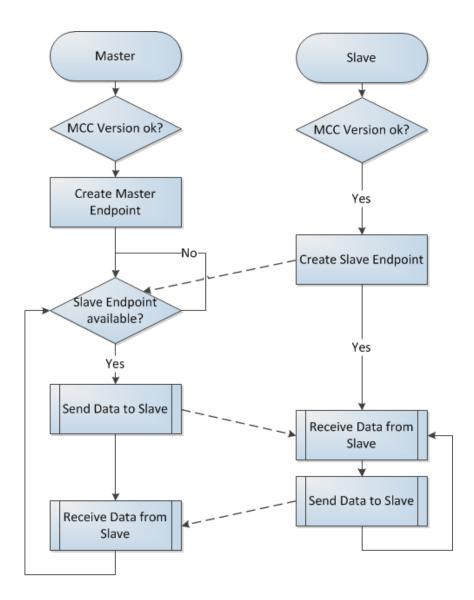


Figure 5: Ping Pong ARM DS-5 demo



6 Appendix

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