SCF0003 CPLD

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Overview

Firmware for PCB CPLD with designator U15. Second CPLD Device in Chain: LCMX02-256HC

Feature Summary

- JTAG

Firmware Revision and supported PCB Revision

See Document Change History

Product Specification

Port Description

Name / opt. VHD Name	Direction	Pin	Description
CPLD_IO1	in	12	FPGA
CPLD_IO2	out	13	FPGA
FMC_TCK	in	30	JTAG FMC J1
FMC_TDI	in	32	JTAG FMC J1
FMC_TDI_TOP	out	28	JTAG FMC J6
FMC_TDO	out	1	JTAG FMC J1

FMC_TDO_TOP	out	27	JTAG FMC J6
FMC_TMS	in	29	JTAG FMC J1
JTAGEN	in	26	Enable JTAG access to CPLD for Firmware update (zero: normal IOs, one: CPLD JTAG access). Selectable over J7 Jumper
PRSNT_TOP	in	25	FMC J6 Present
TCK	out	9	JTAG FPGA
TDI	out	11	JTAG FPGA
TDO	in	10	JTAG FPGA
TMS	out	8	JTAG FPGA

Functional Description

JTAG

Connected to FPGA JTAG, if JTAGEN is zero. J6 FMC JTAG connector is add into JTAG Chain, if PRSNT_TOP is zero and CPLD_IO1 is one. PRSNT_TOP has internal pulldown on CPLD and CPLD_IO1 internal pullup. FPGA IOs are flouting, if FPGA is not programmed.

JTAGEN	PRSNT_TOP	CPLD_IO1	Description
1	don't care	don't care	CPLD is in the JTAG Chain
0	0	0	Only Module FPGA is in the JTAG Chain
0	0	1	Module FPGA and FMC J6 are in the JTAG Chain. Note FMC J6 Chain must be closed.
0	1	0	Only Module FPGA is in the JTAG Chain
0	1	1	Only Module FPGA is in the JTAG Chain

CPLD_IO2 is one, if second module is present and CPLD_IO1 is set one, otherwise it's zero.

Appx. A: Change History and Legal Notices

Revision Changes

Document Change History

To get content of older revision got to "Change History" of this page and select older document revision number.

Date	Document Revision	CPLD Firmware Revision	Supported PCB Revision	Authors	Description
		REV01	REV01		REV01 finished

Error rendering macro 'page-info'

Ambiguous method overloading for method jdk. proxy241.$Proxy3496#hasContentLevelPermission. Cannot resolve which method to invoke for [null, class java.lang.String, class com. atlassian.confluence. pages.Page] due to overlapping prototypes between: [interface com. atlassian.confluence. user.ConfluenceUser, class java.lang.String, class com.atlassian. confluence.core. ContentEntityObject] [interface com.atlassian. user.User, class java. lang.String, class com. atlassian.confluence. core. ContentEntityObject]

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Unknown macro: 'metadata'

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					atlassian. user. User, class java. lang. String, class com. atlassian. confluence. core. ContentEntity Object]	
2017-09-09	v.1		REV01	REV01	**Error rendering macro 'page-info'** Ambiguous method overloading for method jdk. proxy2	Initial release

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