

TE0790 CPLD - XMOD DIP40

Table of contents

- [1 Table of contents](#)
- [2 Overview](#)
 - [2.1 Feature Summary](#)
 - [2.2 Firmware Revision and supported PCB Revision](#)
- [3 Product Specification](#)
 - [3.1 Port Description](#)
 - [3.2 Functional Description](#)
 - [3.2.1 JTAG](#)
 - [3.2.2 UART](#)
 - [3.2.3 LED](#)
- [4 Appx. A: Change History and Legal Notices](#)
 - [4.1 Revision Changes](#)
 - [4.2 Document Change History](#)
 - [4.3 Legal Notices](#)
 - [4.4 Data Privacy](#)
 - [4.5 Document Warranty](#)
 - [4.6 Limitation of Liability](#)
 - [4.7 Copyright Notice](#)
 - [4.8 Technology Licenses](#)
 - [4.9 Environmental Protection](#)
 - [4.10 REACH, RoHS and WEEE](#)

Overview

CPLD Device with designator U1: LCMX02-256HC. Firmware with DIPFORTY Configuration for XMOD.



This firmware is for XMOD with usage on TE0722-DIPFORTY only!

Feature Summary

- JTAG routing
- Pinheader routing

Firmware Revision and supported PCB Revision

See Document Change History

Product Specification

Port Description

Name / opt. VHD Name	Direction	Pin	Description
A	out	8	XMOD Pin Header / TCK
ACBUS4		27	FTDI / currently_not_used
ACBUS5		28	FTDI / currently_not_used
ADBUS4		5	FTDI / currently_not_used
B	out	12	XMOD Pin Header / TMS
BDBUS2	in	21	FTDI / currently_not_used
BDBUS3	out	20	FTDI / currently_not_used
C	in	9	XMOD Pin Header / UART RXD (input to adapter)
D	out	11	XMOD Pin Header / UART TXD (output from adapter)
E	in	14	XMOD Pin Header / TDO
F	out	13	XMOD Pin Header / TDI
FT_B_RX / BDBUS1	out	25	FTDI
FT_B_TX / BDBUS0	in	23	FTDI
G	in	17	XMOD Pin Header / Pushbutton S1
H	out	16	XMOD Pin Header / currently_not_used
JTAGEN	in	26	Enable JTAG access to CPLD for Firmware update (zero: normal IOs, one: CPLD JTAG access). Selectable over S2-1
TCK / ADBUS0	in	30	FTDI
TDI / ADBUS1	in	32	FTDI
TDO / ADBUS2	out	1	FTDI
TMS / ADBUS3	in	29	FTDI
ULED	out	10	LED D4 (RED)
XCLK	in	4	12 MHz OSC1 Ref CLK / currently_not_used

Functional Description

JTAG

JTAG signals routed directly through the CPLD to 12 pin pinheader. Access between CPLD and pinheader can be multiplexed via JTAGEN (logical one for CPLD, logical zero for pinheader).

UART

UART is routed through the CPLD.

Output	Input
D	BDBUS0
BDBUS1	C

LED

ULED D4 (RED) is not G

Appx. A: Change History and Legal Notices

Revision Changes

- REV01 to older REV01
 - set LED to not G only (removed E connection)
 - removed unused port H

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	REV03, REV02		document style update
Error rendering macro 'page-info' Ambiguous method overloading for method jdk.proxy279.\$Proxy4022#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]	Error rendering macro 'page-info' Ambiguous method overloading for method jdk.proxy279.\$Proxy4022#hasContentLevelPermission. Cannot resolve which method to invoke for [null, 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]			Error rendering macro 'page-info' Ambiguous method overloading for method jdk.proxy279.\$Proxy4022#hasContentLevelPermission. Cannot resolve which method to invoke for [null, class java.lang.	

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2017-04-26	v.3	REV01	REV02	John Hartfiel	REV01 finished (rework released 2017-04-26)
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Ambiguous method overloading for method `jdk.proxy279.$Proxy4022#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]`