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AS-ISP-EPM

ChipProg-ISP BH14/BH10 specialized adapter for in system programming of Altera EPM300A PLD



Description:

ChipProg-ISP BH14/BH10 specialized adapter for in system programming of Altera EPM300A PLD family

Supported Devices:

Click the device programmer model below to get an appropriate list of the devices supported by this programmer with this adapter:

ChipProg-ISP

Adapter wiring diagram

Connections to the target devices:

AS-ISP-EPM connection for the EPM300A devices

AS-ISP-EPM connection for the EPM300A devices

Supported Devices:

Click the programmer model below to get an appropriate list of the devices supported by the adapter:

Recommended connection:

ISP Connector

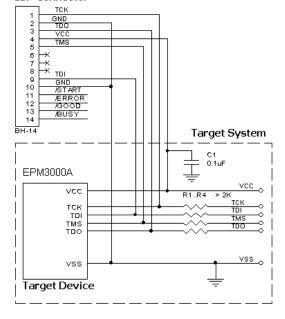


Table of connections of the adapter output socket to the

Powering the target device:

There are two alternative options for powering the targets:

The target gets power from the programmer (Vdd). This is possible only if the target does not consume too much energy. A capacity of the target power circuitry should not exceed 50 uF

2. The target gets power from a built-in or external power supply. In this case the power output from the programmer should not be connected with the target. The target system should be tolerant to applying logical signals with the voltage levels exceeding the voltages on the target.

NOTE! It is strictly prohibited to power the target from both the programmer and built-in or external power supply simultaneously.

Isolating resistors:

Purpose of the R1..R4 resistors is to isolate the programmed chip from rest of target system.

Recommended value of resistors R1..R4 is 2k or more. You can also use jumpers instead of the resistors

ISP characteristics:

- 1. Programmer's output capability: 1.1 Vcc - 80 mA:
- 1.2 Vpp 50 mA;
- 1.3 logical pins 5 mA.2. The cable length should be less then one foot. /Start is the input signal, active state is 0. This signal works as the Start button on the programmer. /Error, /Good, /Busy are output logical signals, active state is 0. They indicate the programmer status and work as the corresponding LEDs on the programmer

	Adapter Outpu connector, BH	ut Targe	Target Device EPM3xxx	
	1	TCK		
	2	GND		
	3	TDO		
	4	VCC		
	5	TMS		
	6,7,8	-		
	9	TDI		
	10	GND		
	Adapter Connection Table:			
	From Programmer Output Connector, BH -14	To the Target Device	Status and Control Signals from Programmer	
	1	1		
	2	2		
	3	3		
	4	4		
	5	5		
	6	6		
	7	7		
	8	8		
	9	10		
	10	9		
	11		/Start	
	12		/Error	
	13		/Good	
	14		/Busy	
0		ē	Phone 740 050 0404 Figure 11- left-Oakstan versical collection and a contract of the data and a contra	

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