Abatron BDI2000 connected to phyCORE-MCF548x

Hardware

/TEA connection removed due to not supported by the MCF54xx
CLK_CPU connection removed to avoid EMC problems
VCC_Target connected to Vio (+3V3) of the Target

Signal assignment

BDI2000 Target B		MCF BDM 26pin
DSO	1	10
nc	2	
DSI	3	8
nc	4	
nc	5	
VCC_Target	6	9
DSCLK	7	4
/BKPT	8	2
nc	9	
nc	10	
nc	11	
GND	12	3
/RESET	13	7
nc	14	
nc	15	
GND	16	5

The remaining of the MCF BDM 26pin are not connected.

Software

replaced the bdiifc32.dll in the Metrowerks folder with the latest version from 26.03.2004

This are the BDI configuration I used.

phyCORE-MCF548x.bdi

ftp://ftp.phytec.de/pub/product/phyCORE-MCF548x/abatron/codewarrior/

Firmware 1.11
Logic 1.05

Comments

BDI2000 works with 16MHz DSCLK