



MPC5xx/8xx Debugger

- Full HLL and ASM support available
- Batch Processing
- Supports ELF/DWARF format
- 2.6 V Support
- Support for Internal Triggers
- Break on Code or Data
- Unlimited Software Breakpoints
- Fast download (ETHERNET or PARALLEL) up to 800 KB/sec

The debugger for Motorola PowerPC 500 and 800 family allows fast access to the BDM interface of the chip. Up to 800 KByte can be downloaded in 1 second. The systems supports C, C++ and JAVA as well as the debugging of the TPU.

Features

- ❑ Active and Passive JTAG Debugger available
- ❑ Software Compatible to In-Circuit Emulator and Monitor
 - Operation System
 - PRACTICE
 - ASM Debugger
 - HLL Debugger for C and C++
 - Peripheral Windows
- ❑ High-Speed Download
 - Up to 1500 KByte/sec
- ❑ Variable Debug Clock Speed
 - 10 kHz...5 MHz
 - 1/4 CPU Clock
 - 1/8 CPU Clock
 - Variable up to 100 MHz (PowerDebug only)
- ❑ Trigger
 - Input from PODBUS
 - Output to PODBUS
- ❑ Support for EPROM/FLASH Simulator
 - Breakpoints in ROM Area
 - 8, 16 and 32 Bit EPROM/FLASH Emulation

Connector

Connector Type

standard 100 mil connector (BETRG, AMP, etc.)

Connector 10 pin

Signal	Pin	Pin	Signal
VFLS0\FREEZE	1	2	SRESET-
GND	3	4	DSCK
GND	5	6	VFLS1\FREEZE
HRESET-	7	8	DSDI
VDD	9	10	DSDO

Operation Voltage

Operation Voltage

This list contains information on probes available for other voltage ranges. Probes not noted here supply an operation voltage range from 4.5V to 5.5V.

Adapter	Code	OrderNo	Voltage Range
BDM Debugger for MPC500/800 (ICD)	BDM-MPC500/800	LA-7722	2.5 .. 5.0 V

Supported Devices

CPU	ICE	FIRE	ICD DEBUG	ICD MONITOR	ICD TRACE	POWER INTEGRATOR	INSTRUCTION SIMULATOR
MGT560			YES		YES		YES
MPC533			YES		YES		YES
MPC534			YES		YES		YES
MPC535			YES		YES		YES
MPC536			YES		YES		YES
MPC555			YES		YES		YES
MPC556			YES		YES		YES
MPC561			YES		YES		YES
MPC562			YES		YES		YES
MPC563			YES		YES		YES
MPC564			YES		YES		YES
MPC565			YES		YES		YES
MPC566			YES		YES		YES
MPC821		YES	YES		YES		YES
MPC823		YES	YES		YES		YES
MPC850		YES	YES		YES		YES
MPC852T			YES		YES		YES
MPC855		YES	YES		YES		YES
MPC859DSL			YES		YES		YES
MPC859T			YES		YES		YES
MPC860		YES	YES		YES		YES
MPC862		YES	YES		YES		YES
MPC866P			YES		YES		YES
MPC866T			YES		YES		YES
MPC870			YES		YES		YES
MPC875			YES		YES		YES
MPC880			YES		YES		YES
MPC885			YES		YES		YES

Order Information

Module Description

OrderNo Code	Text
LA-7722 BDM-MPC500/ 800	BDM Debugger for MPC500/800 (ICD) supports PowerPC MPC505, MPC555, MPC56X MPC801, MPC821, MPC85x, MPC86x, MPC87x and MPC88x includes software for Windows, Linux and MacOSX requires Power Debug Module (Processor BDM input signals have to be 3.3V tolerant)

Detailed Order Information

Order No.	Code	Text
LA-7722	BDM-MPC500/ 800	BDM Debugger for MPC500/800 (ICD)

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