

EJ-Debug for PXA27x



- Supports Marvell® PXA27x processor
- Supports 20-pin JTAG interface
- Supports wireless MMX®
- 2 hardware breakpoints can be set for address and status conditions
- Unlimited software breakpoints
- Download to Flash Memory capability
- View and modify coprocessors
- View and modify the internal peripheral registers
- Useful for field debugging or maintenance
 - Powered by USB bus (No AC adapter required)
 - Small size(86mm X 101mm X 23mm)
- Auto-script execution by BATCH button on the hardware unit
 - perfect use in auto-verification of the target on mass production or for updating new versions
- USB host interfaces for high-speed communication with host computer
- Sophia's high-level language debugger, Watchpoint®, is included with all Sophia Systems emulators (Windows®2000/XP platforms)

Specifications

Target CPU	Marvell® PXA27x processor family
Memory and I/O	Entire space is available to user except that 4Kbytes is required for monitor
Interrupts	Both internal and external interrupts are available to user
Breakpoints and Break Options	<p>Execution address break options:</p> <ul style="list-style-type: none"> • 2 hardware breakpoints • Unlimited software breakpoints <p>Execution instruction address, memory access can be specified.</p> <p>Other break options:</p> <ul style="list-style-type: none"> ▪ Forced break from Debug Monitor <p><u>Note 1:</u> When the Software Breakpoint, Step Over, Step Out, Come to function is in use, release 1 hardware breakpoint.</p>
Flash Memory	Download to target external Flash memory

Configuration

The EJ-Debug for PXA27x provides a high level of software debugging from your PC/AT or notebook computer.

Hardware

A EJ-Debug for PXA27x system consists of the PXA27x Probe Set with USB host interface.
(EJ-Debug for PXA27x can not be used for other CPUs)

Software

Watchpoint®, a high-level language debugger for Windows®2000/XP, is included with the EJ-Debug for PXA27x.

Media:

CD-ROM

Supported Tool Chains:

Watchpoint supports the following compilers and OS:

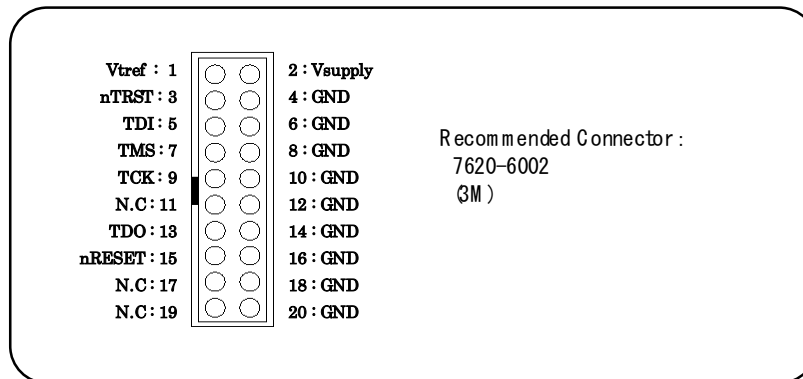
Compiler:

Intel C++ Software Development Tool Suite
ARM ADS

Supported OS:

Windows CE, Linux

Target ICE Connections



20-Pin JTAG Header Connector Pin Assignment (Top View)

Ordering Information

Part No.

EJD1000E

Description

Probe Set, EJ-Debug for PXA27x with USB host interface and Watchpoint® PXA27x debugger for Windows®2000/XP

System requirements for Watchpoint® Debugger:

OS: Windows2000/XP

Hard Disk: 25 Mbyte for installation

Memory: 64 Mbyte+ recommended

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Sophia Systems Co., Ltd.

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