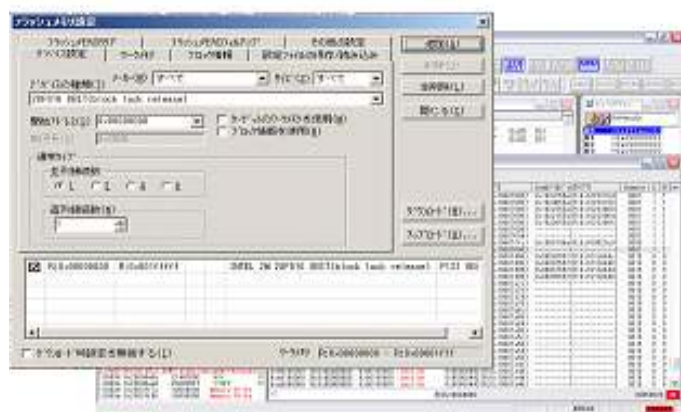


WATCHPOINT Debugger for EJ-SCT PXA JTAG



- Supports Marvell®'s PXA3xx application processor series (codenamed Monahans)
- Supports 20-pin JTAG interface
- Supports wireless MMX®
- 2 hardware breakpoints can be set for address and status conditions
- Unlimited software breakpoints
- Branch trace capability
- 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®'s PXA3xx application processor series PXA27x processor family PXA255/ 250/ 210/ 260/ 261/ 262/ 263 application processor
Memory and I/O	Entire space is available to user
Interrupts	Both internal and external interrupts are available to user
Breakpoints and Break Options	Execution address break options: <ul style="list-style-type: none"> ● 2 hardware breakpoints¹ Execution instruction address, memory access can be specified. <i>Note 1: When Step Over, Step Out, Come to function is in use, release 1 hardware breakpoint.</i> Unlimited software breakpoints Other break options: <ul style="list-style-type: none"> ● Forced break from Debug Monitor
Branch Trace	To display the record of instruction execution is possible. <ul style="list-style-type: none"> ● Record of execution from the breakpoint ● Record of execution until break
Flash Memory	Download to target external Flash memory * NAND Flash will be additionally supported upon customer request.

Configuration



CD-ROM



JTAG CABLE types:
SCP7500

Supported Tool Chains:

Watchpoint supports the following compilers and OS:

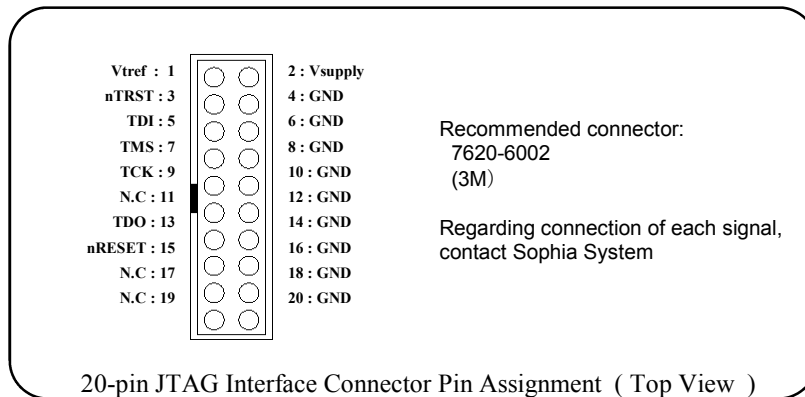
Compiler:

Intel C++ Software Development Tool Suite
ARM ADS, Real View

Supported OS:

Windows CE, Linux

Target ICE Connections



Ordering Information

CUSTOMER should PERPARE		Necessary items for Debugger System		
HOST PC	CONNECT WITH PC	JTAG EMULATOR (Hardware)	WATCHPOINT Debugger (software)	SUPPORT SERVICE (Software updates)
DOS/V & NOTE PC (IBM PC/AT & COMPATIBLE MACHINE)	USB2.0/1.1 CONNECTION	SCD001 EJ-SCT	SCM9100E WP DBG for EJS PXA	SSSEN Sophia Support Service

System requirements for Watchpoint® Debugger:

OS: Windows2000/XP **Memory:** 64 Mbytes+ recommended)

Hard Disk: 25 Mbytes for installation

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Windows is a registered trademark of Microsoft Corporation.

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