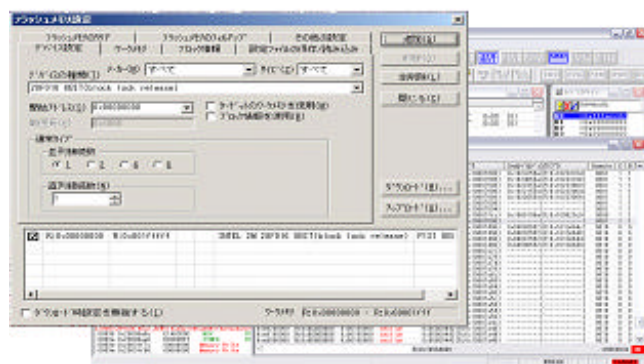


WATCHPOINT Debugger for EJ-SCT ARM-Cortex JTAG



- Supports Cortex®, ARM11®, ARM9TDMI®, ARM7TDMI®
 - Compatible with ARM Multi-ICE interface
 - ARM® Thumb® state debugging support, etc. (Thumb, Thumb2, Thumb2EE, UFP, SIMD, etc.)
 - Set hardware breakpoints on address&status
 - Supports the semi-hosting capability
 - Unlimited software breakpoints in RAM and Flash ROM
 - Clear, read and program FLASH
 - Perfect for field debugging or maintenance.
 - USB bus powered - No AC adapter required.
 - Pocket sized, 86x101x23mm
 - Supports ETB capability
 - JTAG pod button runs User macro scripts
 - Perfect for hardware test, small run programming and automatic field upgrades.
 - Fast USB2.0 PC interface
 - Includes WATCHPOINT® for Windows®
- * Multi-core debugging available as an optional feature.

Specifications

Target CPU	Cortex, ARM11, ARM9, ARM7 Cortex Core Series (A8, R4, M3) ARM11 Core Series (ARM1136, ARM1176 etc.) ARM9 Core Series (ARM9TDMI, ARM9TDMI-S, ARM910T, ARM920T, ARM940T, ARM9E, ARM946E, ARM966E, ARM922, ARM925, ARM926 etc.) ARM7 Core Series (ARM7TDMI, ARM7TDMI-S, ARM710T, ARM720T, ARM740T etc.)
Target Vcc	Vcc= +1.8 V to 3.6 V
Memory & I/O	Entire space is available to the User.
Interrupts	Both internal and external interrupts are available to the User.
Breakpoints & Break Options	Hardware breakpoints: Cortex per cpu's capability. ARM7/ARM9: Max 2 hardware breakpoints* on instruction and memory access with specified data. ARM11: Max 7 hardware breakpoints. 3 On instruction address, 2 on the memory and 2 additional points may be specified. Unlimited software breakpoints. Debugger override forced break capability. *ARM7 & 9, Step Over, Step Out, & Run to Cursor functions uses one core H/W BP.
ETB Capability	ETB trace via JTAG for WATCHPOINT option available.
Flash Memory	1. Download a User program directly to the target's external Flash memory. 2. High-speed downloading using the target's memory resources.

Configuration



CD-ROM



JTAG CABLE types:

SCP7500: 20 to 20pin
 CS2801: 20 to 14pin (ARM)
 VK0019 : 20 to 14pin (TI)

Supported Tool Chains:

WATCHPOINT supports the following compilers and supported OS*:

Compilers:

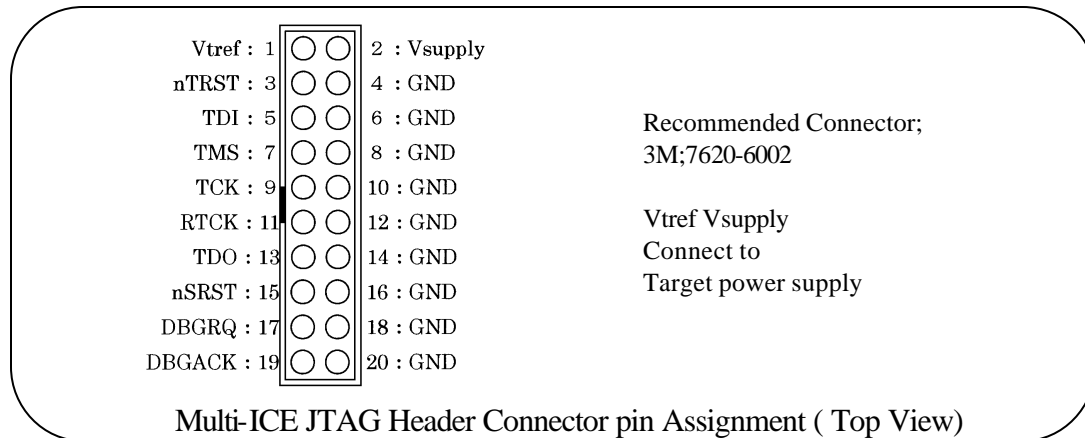
TI: Code Composer Studio®
 ARM: ADS, RealView
 Metaware: High C/C++/EC++ for ARM
 Green Hills: GHS
 GAIO: XCC-V
 GNU:
 IAR: EWARM

Supported OS:

NORTi G-OS PrKERNEL
 VxWorks Linux iTRON
 Symbian Windows CE L4μ--kernel

*Please contact Sophia Systems for the latest tool chain info.

Target ICE Connections



Ordering Information

CUSTOMER should PERPARE		Necessary items for Debugger System			Options
HOST PC	CONNECT WITH PC	JTAG EMULATOR (Hardware)	WATCHPOINT Debugger (Software)	SUPPORT SERVICE (Software updates)	Optional SOFTWARE
DOS/V & NOTE PC (IBM PC/AT & COMPATIBLE MACHINE)	USB2.0/1.1 CONNECTION	SCD001 EJ-SCT	SCM0790E WP DBG for EJS ARM	SSS001 Sophia Support Service	U4A401 WP4ARMETB *Necessary for ETB trace

System requirements for WATCHPOINT® Debugger:

OS	Memory	Hard Disk
Windows XP/2000	64 Mbytes	25 Mbyte for installation
Windows Vista	512 Mbytes	25 Mbyte for installation

Notes:

- * Vista (32-bit version): driver software update is required.
- * Vista (64-bit version): contact Sophia Systems for WATCHPOINT updates.
- * XP (64-bit version): driver software update is required.
- * XP (64-bit version): operation-confirmed with AMD's Athlon64.

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Windows is a registered trademark of Microsoft Corporation.

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Sophia Systems Co.,Ltd.

URL: <http://www.sophia-systems.com>