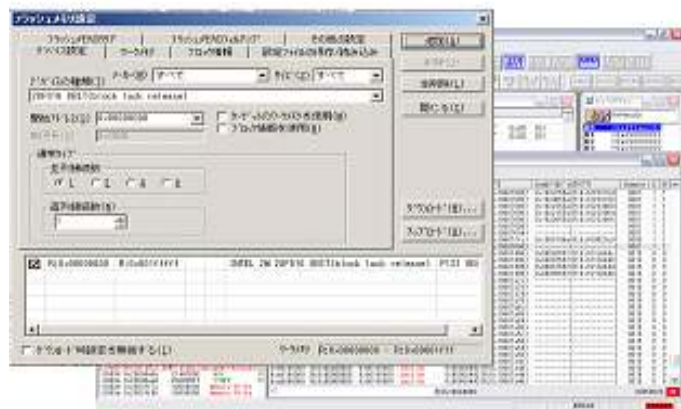# WATCHPOINT Writer
for EJ-SCT PXA JTAG

- ❑ Supports Marvell®'s PXA3xx application processor series. PXA27x Famiry. PXA26x/25x application processor series.

- ❑ Supports 20-pin JTAG interface

- ❑ Supports wireless MMX®

- ❑ Download capability to flash memory

- ❑ Writes to on-board and CPU internal flash memory

- ❑ Useable as a stand-alone writer. （operate by AC adaptor)

- ❑ One-touch automatic script execution via the PLAY button on the unit

- ❑ The external terminal setup for executing a script by signal input and detecting the end state of a script externally

- ❑ Perfect for use in auto-verification of the target on mass production or for updating new versions

Specifications

Target CPU	Marvell®s PXA3xx application processor series PXA27x processor family PXA255/ 250/ 210/ 260/ 261/ 262/ 263 application processor
Target Vcc	3.3V
Flash memory Writer capability *1	・Memory DUMP capability ・Data download from files ・Writes via PLAY button on the unit or Write button on the writer software by recording batch file for writing ・Writes by inputting signal to external input terminal ・Block erase capability ・Stand-alone writer capability 　Without a command from the computer, users can download to flash memory by recording flash memory writing script into the attached MicroSD. 　(Two different operation scripts can be recorded)
Flash memory makers *2	Renesas Technology, Numonyx (Intel, ST Micro,), MACRONIX, Sharp, Toshiba, NEC, Sanyo, ATMEL, SST, OKI, SPANSION (Fujitsu, AMD), EON

*1 This WATCHPOINT writer supports capability only for download to flash memory. Debugger capability such as breakpoints, registers and step execution are not included. Please purchase WATCHPOINT Debugger license when the EJSCT unit is used as a JTAG debugger.

*2 Please refer to our website for more details.

Configuration

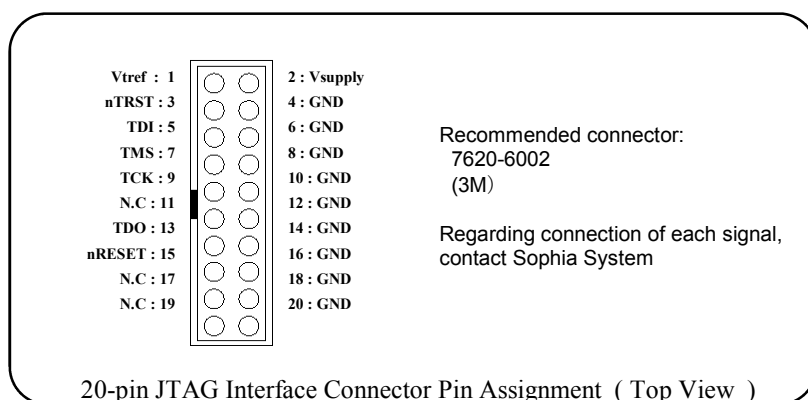**CD-ROM**

**JTAG CABLE types:
SCP7500**

Supported Tool Chains:
Watchpoint supports the following compilers:

Complier:

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

Target ICE Connections

Vtref : 1   2 : Vsupply
nTRST : 3   4 : GND
TDI : 5   6 : GND
TMS : 7   8 : GND
TCK : 9   10 : GND
N.C : 11   12 : GND
TDO : 13   14 : GND
nRESET : 15   16 : GND
N.C : 17   18 : GND
N.C : 19   20 : GND

Recommended connector:
 7620-6002
 (3M)

Regarding connection of each signal,
contact Sophia System

20-pin JTAG Interface Connector Pin Assignment（Top View）

Ordering Information

CUSTOMER should PERPARE		Necessary items for Writer System			
HOST PC	CONNECT WITH PC	JTAG EMULATOR (Hardware)	WATCHPOINT Writer (software)	SUPPORT SERVICE (Software updates)	**JTAG cable**
Windows PC	USB2.0/1.1 CONNECTION	SCD001 EJ-SCT	SCS9100E WP WRT for EJS PXA	SSSEN Sophia Support Service	SCP7500 : SCP 20to20

System requirements for Watchpoint® Writer:

OS   : Windows XP/Vista/7 (32bit /64bit)

**Memory : Minimum memory requirements are amount of memory recommended for each operating system
         by the operating systems vendor.**

Hard Disk: 100 Mbytes for installation