

## **UniSTAC™ II/J TX99 In-Circuit Emulator**



- ❑ Supports Toshiba's 64-bit microprocessor core, TX99
- ❑ Unlimited software breakpoints
- ❑ Hardware breakpoints (instruction, access break can be specified)
- ❑ Download to Flash Memory
- ❑ Watchpoint®, a powerful high-level language debugger for Windows, provides a common user interface for all Sophia Systems emulators  
(USB: Windows98/Me/2000/XP)  
(TCP/IP: Windows98/Me/NT/2000/XP)
- ❑ Supports the optional remote debugging on network
- ❑ USB and LAN host interfaces for high-speed communication with host computer

### Specifications

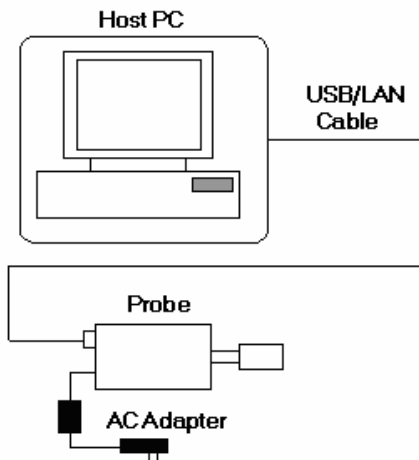
<b>Target CPU</b>	TX99 series
<b>Clock</b>	Supports CPU's maximum clock speed
<b>Target Vcc</b>	2.5V to 3.6 V (3.3V or 2.5V output signals from ICE)
<b>Memory and I/O</b>	Entire space is available to user except for monitor area
<b>Signal mask</b>	Interrupt input or NMI input is maskable
<b>Breakpoints and Break Options</b>	<p>Execution address break options:</p> <ul style="list-style-type: none"> <li>• 6 hardware breakpoints*<sup>1</sup>(4 instruction breakpoint, 2 access breakpoint)</li> <li>• Unlimited software breakpoints</li> </ul> <p>Other break options:</p> <ul style="list-style-type: none"> <li>• Forced break from Debug Monitor</li> </ul> <p>*Note1: When the following function is in use, release 1 instruction breakpoint. - Step Over, Step Out, Come To</p>
<b>Flash Memory</b>	Download to flash memory on the target system

# Configuration

The UniSTAC-II/J TX99 provides a high level of software debugging from your PC/AT or notebook computer. It is a development tool for Toshiba's TX99 for debugging. The UniSTAC-II/J TX99 ICE can be connected to a JTAG connector on the target.

## Hardware

A UniSTAC-II/J TX99 emulation system consists of the UniSTAC-II TX99 JTAG Probe Set with USB host interface or LAN interface as an option.



UniSTAC-II TX99 JTAG ICE

## Software

Watchpoint®, a high-level language debugger for Windows, is included with the TX99 Probe Set.

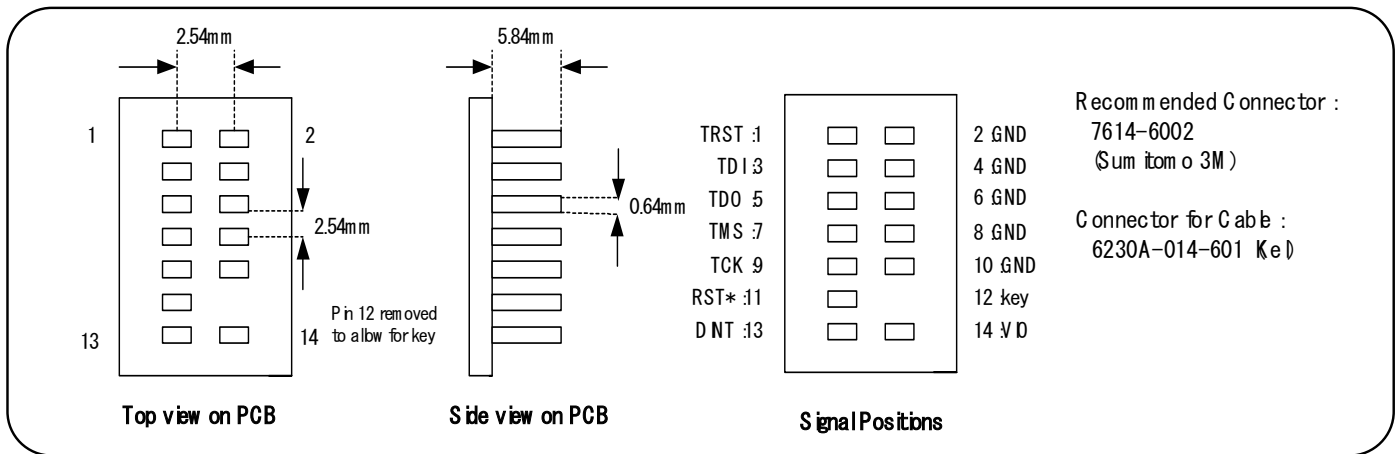
**Media:** CD-ROM

### Supported Tool Chains:

Watchpoint supports the following compiler:

GreenHills      GHS

# Target JTAG ICE Connection



# Ordering Information

Part No.	Description
UT67004E	Probe Set, UniSTAC-II TX99-J-UT-E with USB/LAN interface, Watchpoint® TX99 debugger for Windows®
UT67003E	Probe Set, UniSTAC-II TX99-J-U-E with USB interface, Watchpoint® TX99 debugger for Windows®

### System requirements for Watchpoint® Debugger:

**OS:** <USB>Windows 98/Me/2000/XP <TCP/IP> Windows98/Me/NT/2000/XP  
**Memory:** 32 Mbytes (64 Mbytes recommended)      **Hard Disk:** 20 Mbytes for installation

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