EJ-Writer for TX19A

EJ-Writer is the first ROM writer that has the ability to write directly into Flash ROM while already installed on the user's board via the JTAG port. Power is supplied to the target system from the writer itself. The CF Card installed on EJ-Writer can record the data, allowing download with just the touch of a button. Its small size (Width 86mm x 101mm, Height 23mm) and versatility make it a perfect solution for use in the field or in a manufacturing environment.

Exact appearance may differ.

● Supports Toshiba's TX19A Series
● Special writer for the internal Flash memory
● 2 types of writing scripts are recorded in the compact flash.
● Useful for field maintenance such as upgrading the targets
  - Small size (86mm x 101mm x 23mm)
● Automatic script execution via the WRITE button
  - Useful for automatic writing / upgrading in mass production
● Writer software is included
  (Windows 2000/XP platforms)
● USB interface for high-speed communication with host computer

Specifications

Supported CPU	TX19A70 : TMP19A70FYFG, TMP19A70FYUG TX19A71 : TMP19A71FYFG, TMP19A71FYUG TX19A23 : TMP19A23FYFG, TMP19A71FYXBG TX19A44 : TMP19A44FDAXBG, TMP19A44FEXBG
Power Supply	Vcc 1.8V to 3.6V The power supply(3.3V, 500mA) is supplied with the target system from the writer unit
Flash Memory Write Capability	- Memory DUMP capability - Data download from files - Block erase capability - Writing procedure: Record the writing script in the compact flash and push the "Write" button on the writer.

● Execution
  - Program execution
  - Forced break
  - Reset
  - Batch program execution
  - Verification capability
   (for all areas of the internal Flash)
  - Capability to display the check sum
   of the object
	● Memory
	  - Download
	  - Upload
	  - Fill up/check/copy of memory
	  - Clear/fill up/download of Flash memory

Configuration

Hardware:
EJ-Writer for TX19A consists of EJ-Writer and USB host interface.
(EJ-Writer for TX19A can not be used for other CPU)

Software:
Writer software 「WATCHPOINT」 is attached.
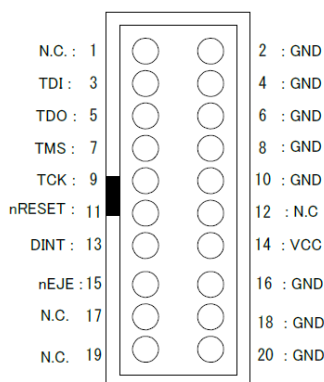
Media:
CD-ROM

Read-in Object:
The following compilers are supported for the objects to write into Flash memory.

- Binary   - Intel HEX

- Motorola HEX   - SAUF

- COFF   - ELF

Target Connection

JTAG Connector Pin Assignment (Top View)

```
N.C. :  1   ○ ○   2  : GND
TDI :   3   ○ ○   4  : GND
TDO :   5   ○ ○   6  : GND
TMS :   7   ○ ○   8  : GND
TCK :   9   ○ ○  10  : GND
nRESET : 11 ○ ○  12  : N.C
DINT :  13  ○ ○  14  : VCC
nEJE : 15   ○ ○  16  : GND
N.C.  17    ○ ○  18  : GND
N.C.  19    ○ ○  20  : GND
```

Recommended Connector:
  FTSH-110-01-F-D-K (By SAMTEC)

VCC:
  Connect to the target I/O power supply

Ordering Information

Part No.	Description
EJW6101E	EJ Writer for TX19A and Watchpoint☐(writer software for Windows) with USB interface

* System Requirements
  OS: Windows 2000/XP; Memory: 64 Mbytes+ recommended; Hard Disk: 25Mbytes for installation.
* All configurations are subject to change without notice.
* All other brands and product names are trademarks or registered trademarks of their respective companies.