

EJ-Writer for TLCS Series

EJ-Writer for TLCS Series is Writer that supports Toshiba TLCS series. It writes it by using SERIAL-PROM-MODE for the flash memory with built-in TLCS Series Microcomputer. Available to supply power from EJ-Writer to target system.

Leave data to internal memory, download by one button. Its small size and versatility make it a perfect solution for use in the field or in a manufacturing environment.



- Supports Toshiba TLCS series
- Special writer for the internal flash memory
- Useful for field maintenance such as upgrading the targets
 - Small size (86mm × 101mm × 23mm)
- Automatic script execution via the WRITE button
 - Use EJ-Writer as single unit by AC adaptor.
 - Useful for automatic writing / upgrading in mass production
 - 2 types of function is available on WRITE button (short-push, long-push)
- Attaches Writer software (OS: Windows2000/XP/Vista*1)
- USB interface for high-speed communication with host PC. (USB)

Specification

Target CPU	TOHSHIBA: • TLCS-870 family (TMP86FH09ANG/TMP86FS23UG/TMP86FS49BUG/TMP86FS49BFG/ TMP88FW45FG/TMP88FW45AFG/ TMP89FM42AUG/TMP89FM42KUG/TMP89FM43LQG/ TMP89FM46ADUG/TMP89FM46LDUG/TMP89FS60UG/ TMP89FW20UG/TMP89FW20AUG/TMP89FW24DFG/TMP89FW24FG) • TLCS-900 family (TMP91FY42FG/TMP92FD28AFG)	
Power supply	1.8V to 5V The power supply (3.3V or 5V, under 400mA) is supplied with the target system from EJ-Writer.	
Flash memory Write capability	• Memory DUMP capability • Download data from file • Record the writing script in the internal memory of EJ-Writer and push the “Write” button on the writer. • Connect by WRITE button (external)	
	Execution: • Batch program execution • Verification capability (for all areas of the internal Flash) • Capability to display the check sum of the object.	Memory: • Download • Upload • Clear/ fill up/ download internal flash memory

*1 Supports Windows XP Professional x64Edition(64 bit) and Windows Vista(32 bit). Not yet supports Windows Vista(64 bit)..

Configuration

Hardware:

- EJ-Writer
- AC adaptor
- USB cable

Available to work only by USB bus power.*4

* EJ-Writer for TLCS Series is special writer for Toshiba microcomputer

TLCS series. It is unable to support other CPU flash memory.

Software:

Writer software 「WATCHPOINT」 is attached.

Read in object:

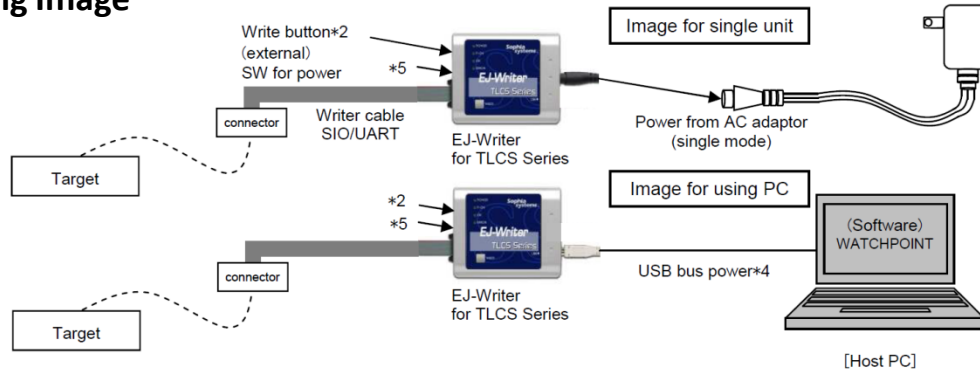
The below format supports target object write to flash memory.

- Binary
- Intel HEX
- Motorola HEX

Media:

CD-ROM

Connecting Image



Target connection

Connection Pin assignment for writer cable (Top view)

GND	: 1		2	: SCLK
MODE	: 3		4	: GND
GND	: 5		6	: GND
VDD	: 7		8	: VDD
GND	: 9		10	: GND
RESET#	: 11		12	: GND
GND	: 13		14	: GND
TxD	: 15		16	: GND
GND	: 17		18	: GND
RxD	: 19		20	: GND

0.635mm pitch 20Pin communication connector

Recommended connector
FTSH-110-01-F-D-K (SAMTEC)
VDD: connector target I/O power

When connect UART with writer, connect
MODE/RESET#/TxD/RxD/VDD/GND.
When connect SIO with writer, connect
MODE/RESET#/TxD/RxD/VDD/GND
with SCLK.

Connection Pin assignment for user (Top view)

2.54mm pitch 10Pin general connector

MODE	: 1		2	: RESET#
TxD	: 3		4	: RxD
SCLK	: 5		6	: GND
GND	: 7		8	: VDD
PS +3.3V ^{*1}	: 9		10	: PS +5V ^{*1}

Connector :
6231-010-255(KEL)*3

Ordering Information

PC	Connect with PC	EJ-Writer	Evaluation board (Option)			
			package	Product code/ name	package	Product code/ name
Windows PC	USB	EJW6300E EJW TLCS Series	QFP80	BDS033 TLCS-QFP80-PN410104	LQFP48	BDS041 TLCS-LQFP48-PN410115
			LQFP64	BDS034 TLCS-LQFP64-PN410105A	SDIP64	BDS042 TLCS-SDIP64-PN410116
			LQFP100	BDS035 TLCS-LQFP100-PN410106	SOP28	BDS043 TLCS-SOP28-PN410117
			LQFP80	BDS036 TLCS-LQFP80-PN410107	SSOP30	BDS044 TLCS-SSOP30-PN410118
			QFP64	BDS037 TLCS-QFP64-PN410108	SDIP32	BDS045 TLCS-SDIP32-PN410119
			LQFP44	BDS038 TLCS-LQFP44-PN410109	LQFP144	BDS046 TLCS-LQFP144-PN410120
			SDIP42	BDS039 TLCS-SDIP42-PN410110	VQON44	BDS047 TLCS-VQON44-PN410121
			QFP100	BDS040 TLCS-QFP100-PN410111		

* Host machine environment, OS:Windows2000/XP/Vista, memory: Min 32MB • recommend over 64MB, HD: 20MB is necessary for installation.

* All other brands and product names are trademarks or registered trademarks of their respective companies.

All configurations are subject to change without notice. (MKT-16VIR22)

*1.Use PS+3.3V,PS+5V terminal when providing power from EJ-Writer to user system.

*2.Writer button (external) is available to draw out power from EJ-Writer.. Push/ Foot Switch for ATX board is available to use.

*3 User has to prepare receptacle of 2.54mm pitch 10pin general connector

*4 AC adaptor is necessary when supply power from EJ-Writer to target system.

*5 Position for user processed connector

Price and technical information

Email: market@ss-technologies.co.jp