

AF9710 DEVICE LIST

Flash Support Group, Inc.

5 / 28 / 2007

## ◆ About the device list

- The correspondence device is added at any time. Please inquire by undermentioned "Inquiry" about the device not described to this list.
- This "Device List" has been prepared for users who have mastered the methods of use of the models of the AF9708/09/23 Series.
- Please acknowledge the content's of this list a previous notice's there and nor changing occasionally beforehand.

## ◆ About the inquiry

- It to be able to be seeing of the latest list by "Device list" in the our company homepage.  
URL:<http://www.j-fsg.co.jp>
- Please inquire even the following by E-mail for the inquiry.
- The customer who uses an old version can use the onerous up-grade service.  
Please inquire of the nearest our company branch, office or above-mentioned sales promotion part in detail.

**F o r e n q u i r y , r e f e r t o :**

FLASH SUPPORT GROUP, INC.

**E-mail : support@j-fsg.co.jp**  
**FAX : 81-53-455-6020**

◆ NEWEST VERSION

PROGRAMMER	NEWEST VERSION	Description
AF9710	Rev01.64	

## ◆ N o t e

- Setting of the Type Code when Using a Conversion Adapter in Combination.

In the case where an adapter is used in combination with a device with several packages, multiple display of the same product name, etc. may prevent setting of the optimal type code by selection of the product name (maker, size) set in the Programmer or by auto selection. Thus in this case, avoid setting the type code by product name selection. Instead, set the type code by inputting the type code referred from this list.

- The following precautions should be taken when using the AF-9700 Programmer Series.

Given below are the precautions that need to be taken to use the AF-9700 Programmer correctly and the methods of checking and remedying displayed errors that can occur at a high frequency during use.

In using the AF-9700 Programmer, please adhere to the precautions given below, and if an error corresponding to an error indicated below occurs during use, please carry out the check and remedy procedures.

If an error does not correspond to any of those given below or if the error is not remedied, please inquire with our Sales Promotion Department using the Q & A sheet attached to the last page.

### <Precautions >

1. Do not mount a device or adapter on the socket when the power of the Programmer is turned on.
2. Before writing or reading, be sure to check the mounting conditions (position, direction, contact conditions, etc.) of the device
3. Before writing or reading, be sure to use this list to check that the device and adapter are supported and check the type code that is set.
4. In using a device or adapter that is not supported by the auto type code setting function, be sure to perform type code setting by code input before reading or writing (prevention of silicon signature readout by backup function of auto setting).

There is danger of breakage of parts inside the device or adapter.

1. Before writing or reading, be sure to check the conditions of the socket (deformation of degradation of contacts, attachment of debris on contacts, etc.).
2. Since the socket is a consumable part, please carry out periodic cleaning and replacement (as a rule of thumb, replacement should be carried out every 2000 to 3000 times of use).
3. In the case of a product that is configured of a main body and units (AF9723), check the fitting before turning on the power.
4. With a product that is configured of a main body and units and has an FG (frame ground) contact terminal on the main body (AF9723), the FG contact terminal is a consumable part. Thus be sure to check that the FG contact terminal is not broken or degraded due to oxidation, etc. before turning on the power.
5. Before writing or reading, be sure to use this list to check that the device and adapter are supported and check the type code that has been set.

A write error or read error may occur.

## <Error Codes and Remedying Procedures >

### 1. Inverse or erroneous mounting error (error code : 01, 02)

- ①Check the mounting conditions of the device and adapter.
- ②Change the insert check level
- ③If normal detection is not possible, switch OFF the insert check function.

### 2. Power on error (error code : 08, 09)

- ①Remount the unit.
- ②Check the connector conditions (bending or degradation of pins, etc.) and the fitting of the main body and units.

### 3. Programming error (error code : 10, 13, red LED lights up in the case of ganged type)

- ①Check the type code, the mounting conditions of the device and adapter, and the socket conditions.
- ②Execute copy of the device with which the error occurred and perform rewriting after erasure.
- ③Perform rewriting with an unused device of the same type.
- ※If an error occurs in ① or ②, there is a possibility of a device fault.

### 4. Verify error (error code : 11, 12, red LED lights up in the case of ganged type)

- ①Check the type code, the mounting conditions of the device and adapter, and the socket conditions.
- ②Execute copy of the device with which the error occurred.
- ③Perform rewriting and reverification with an unused device of the same type.
- ※If an error occurs in ① or ②, there is a possibility of a device fault.

### 5. Signature error (error code : 27, 28)

- ①Use this list to confirm that the product is a signature supporting product.
- ②Execute auto setting with a device of a different type.
- ③If an AF-9XXX adapter is being used in combination, perform setting again with a different adapter.
- ※If an error occurs in ① or ②, there is a possibility of a device fault.
- If an error occurs in ③, there is a possibility of an adapter fault.

## HOW TO READ THE DEVICE LIST

(Due to descriptions of the symbols, etc. the actual contents will differ from what is shown here.)

Name of maker		Name of adapter used in combination						
AMD								
Device Name	Size (Bit)	Pin Package	Device Type	Vpp (V)	Type Code	AF9710	adapter or note	
Am29F200AT	256K × 8	44SOP	FEEP	—	17121	○ *P	TE002-44SP-07A	
	128K × 16	44SOP	FEEP	—	17137	01.10*P	TE003-44SP-01A	
Am27C400	256K × 16	40DIP	EP	12.75	10010	○ *		
Am27C4096	256K × 16	40DIP	EP	12.75	1000F	01.10*		
Am29F040	512K × 8	32DIP	EP	12.75	10011	01.20*		
	512K × 8	32DIP	FEEP	—	10108	○ *		
Am29F040B	512K × 8	32PLCC	FEEP	—	10108	○ *	AS-32-32-01P	
	512K × 8	32TSOP	FEEP	—	10108	○ *	AS-32-32-01TS	
Am29F040B	512K × 8	32PLCC	FEEP	—	10108	01.20*	AS-32-32-01P	

<Type Code>

\*(at end of type code) :  
low-voltage supporting type code

- : Not supported.  
○ : Supported by all versions.  
01.20 : Supported versions  
01.20 and later.

\*(at end of versions) : Supported by silicon signature  
P( " ) : Supported by Protect

<Adapter Maker>

AF :Made by ANDO  
ELECTRIC CO., LTD.  
URL:<http://www.ando.co.jp/>

TE :Made by FlashSupportGroup.Inc  
e-mail:[support@j-fsg.co.jp](mailto:support@j-fsg.co.jp)  
URL:<http://www.j-fsg.co.jp/>

AS :Made by EMULATION  
URL:<http://www.emulation.com/>

ROM:Made by SUNHAYATO  
CO., LTD.  
Phone/81-3-3984-7791

2007年 5月 28日

AF9710 デバイスリスト

フラッシュサポートグループ株式会社



◆本リストについて

- 対応デバイスは、随時追加されています。本リストに記載されていないデバイスにつきましては、下記「問い合わせについて」によりお問い合わせ下さい。
- 本リストは、AF9700シリーズ各機種の使用方をマスターされた方を対象としています。
- 本リストの内容は、予告無く変更することがありますので、あらかじめご了承下さい。

◆問い合わせについて

- 最新のリストは、下記ホームページ内「デバイスリスト」でご覧いただけます。  
URL: <http://www.j-fsg.co.jp>
- 未対応のデバイス情報や使用方法等のお問い合わせに関しましては、迅速、かつ確実な対応のため、AF9700シリーズ取扱説明書に添付されておりますQ&A票等を用いたFAXか、またはEメールにて、下記までお問い合わせ下さい。
- 旧バージョンをお使いのお客様は有償でのアップグレードサービスをご利用いただけます。また、弊社では有償での個別対応、ユニット／アダプタ開発等を行っております。詳しくは、最寄りの弊社支店、営業所、または下記サービスセンターへお問い合わせ下さい。

<お問い合わせ先>

フラッシュサポートグループ株式会社

FAX : (053) 455-6020

TEL : (053) 459-1050

E-mail : [support@j-fsg.co.jp](mailto:support@j-fsg.co.jp)

◆最新バージョン

プログラマ	最新バージョン	記事
AF9710	Rev01. 64	

◆使用上の注意

- 変換アダプタ併用時のタイプコードの設定  
複数のパッケージを持つデバイスで、アダプタを併用する場合は、プログラマが持つ品名(メーカ、サイズ)選択やオート選択によるタイプコード設定は、同一品名の複数回表示などにより、最適なタイプコードの設定ができない場合があります。  
従って、このような場合は品名選択によるタイプコードの設定は避け、本リストを参照したタイプコードの入力による設定を行って下さい。
- AF9700プログラマシリーズをご利用になる場合の注意事項を以下に記します。  
AF9700プログラマを正しくお使いいただくための注意事項と、使用中に発生頻度の高いエラー表示について、現象確認法、及び対策手順法を記載しています。  
ご使用にあたっては、以下の注意事項をお守りいただき、使用中発生するエラーが以下の項目に該当する場合は、現象確認、及び対策を実施いただく様お願い申し上げます。  
尚、以下に該当するエラーがない場合や、エラーが回避されない場合は、前述の「お問い合わせについて」により、お問い合わせ下さい。
- TEアダプタシリーズの型名について。  
管理上の都合により、下記フラッシュサポートグループ(株)製アダプタにつきましては品名が変更となりますが、仕様等につきましては同一となります。  
アダプタ納入の時期によりましてはデバイスリスト記載の型名と異なる場合がございますが、問題無くご使用頂けますので、新しい型名に読み替えてご使用頂けますよう、お願い致します。

旧型名	新型名
TE003-48TS-03#	TEF003-48TS-03#
TE003-44SP-01#	TEF003-44SP-01#
TE003-56TS-30#	TEF003-56TS-30#

※“#”部分は任意のアルファベットとなります。

上記アダプタ以外にも、“TE”から“TEF”への変更を実施する場合がございますが、仕様等は全く同一となりますので型名を“TEF”に読み替えてご使用頂けますよう、お願い致します。

<注意事項>

1. プログラムの電源投入時には、ソケット上にデバイスやアダプタを実装しないで下さい。
2. 書き込み、読み出し前には、必ずデバイスやアダプタの実装状態(位置、方向、接触状態など)を確認して下さい。
3. 書き込み、読み出し前には、必ず本リストにより、対応の有無や設定されたタイプコードの確認を行って下さい。
4. タイプコードのオート設定に対応していないデバイス、アダプタを使用する場合、書き込み、読み出し前に必ずコード入力によるタイプコード設定を行って下さい。(オート設定のバックアップによるシリコン・シグネチャ読み出し防止)

→ デバイス、アダプタ内の部品が破壊される恐れがあります。

1. 書き込み、読み出し前には、必ずソケットの状態(接点の変形、劣化、ゴミの付着等)を確認して下さい。
2. ソケットは消耗品ですので、定期的な清掃と交換を行って下さい。(交換目安は2000~3000回)
3. 本体とユニットで構成される製品(AF9723)の場合、電源投入前に本体、ユニット間の嵌合確認を行って下さい。
4. 本体とユニットで構成され、本体にFG(フレームグランド)用接触子がある製品(AF9723)の場合、FG用接触子は消耗品ですので、電源投入前に必ず、FG用接触子の破損や酸化等の劣化がないことを確認して下さい。
5. 書き込み、読み出し前には、必ず本リストにより、対応の有無や設定されたタイプコードの確認を行って下さい。

→ 書き込み、読み出しエラーが発生する場合があります。

## <エラー表示コードと対策手順>

1. 逆、誤実装エラー(エラーコード:01、02)
  - ①デバイス、アダプタの実装状態確認
  - ②インサートチェックレベルの変更(未対応機種有り)
  - ③正常検出不可能な場合、インサートチェック機能OFF
  
2. 電源投入時エラー(エラーコード:08、09)
  - ①ユニットの再実装
  - ②本体、ユニットのコネクタ状態(ピン曲がり、劣化等)、嵌合確認
  
3. プログラム時エラー(エラーコード:10、13、ギャングタイプではLED赤色点灯)
  - ①タイプコード、デバイス、アダプタ実装状態、ソケット状態の確認
  - ②エラー発生デバイスのコピー実行と消去後の再書き込みの実施
  - ③同品種の未使用デバイスでの再書き込みの実施
  - ※①、②にてエラーが発生する場合、デバイス異常の可能性あります。
  
4. ベリファイ時エラー(エラーコード:11、12、ギャングタイプではLED赤色点灯)
  - ①タイプコード、デバイス、アダプタ実装状態、ソケット状態の確認
  - ②エラー発生デバイスのコピー実行
  - ③同品種の未使用デバイスでの再書き込みと再ベリファイの実施
  - ※①、②にてエラーが発生する場合、デバイス異常の可能性あります。
  
5. シグネチャエラー(エラーコード:27、28)
  - ①本リストによりシグネチャ対応品であることの確認
  - ②同品種の違うデバイスにてオート設定実行
  - ③AF-9XXXアダプタ併用時は、異なったアダプタで再設定の実施
  - ※①、②にてエラーが発生する場合、デバイス異常の可能性あります。
  - ③でエラー発生のない場合、アダプタ異常の可能性あります。

## デバイスリストの見方 (説明のため内容は本文と異なります)

メーカー名		併用するアダプタ名、注記					
Device Name	Size (Bit)	Pin Package	Device Type	Vpp (V)	Type Code	AF9723	adapter & note
Am29F200AT	256K×8	44SOP	FEEP	—	17121	○ *P	TE002-44SP-07A
	128K×16	44SOP	FEEP	—	17137	01.10*P	TE003-44SP-01A
Am27C400	256K×16	40DIP	EP	12.75	10010	○ *	
Am27C4096	256K×16	40DIP	EP	12.75	1000F	01.10*	
Am29F040	512K×8	32DIP	EP	12.75	10011	01.20*	
	512K×8	32DIP	FEEP	—	10108	○ *	
	512K×8	32PLCC	FEEP	—	10108	○ *	AS-32-32-01P
Am29F040B	512K×8	32TSOP	FEEP	—	10108	○ *	AS-32-32-01TS
	512K×8	32PLCC	FEEP	—	10108	1.20*	AS-32-32-01P

<Type Code>

\*(Type code末尾) : 低電圧対応コード

<対応一覧>

- : 未対応  
 ○ : 全てのバージョンで対応  
 01.20 : 01.20以降のバージョンで対応  
 \*(バージョン末尾) : オート設定対応  
 P( " ) : プロトタイプ機能対応

<アダプタ名>

AF : 安藤電気製  
 URL: <http://www.ando.co.jp>

TE : フラッシュサポートグループ株式会社製  
 URL: <http://www.j-fsg.co.jp>  
 TEL: 053-428-8380

※本リストの  
**「使用上の注意 TE7アダプタシリーズの型名について」**  
 も併せてご参照願います。

AS : エミュレーションテクノロジー社製  
 URL: <http://www.emulation.com/>  
 (取扱店: サハヤト株式会社 営業部  
 TEL: 03-3984-7791 FAX: 03-3971-0535)

ROM: サハヤト社製  
 サハヤト株式会社 営業部  
 TEL: 03-3984-7791 FAX: 03-3971-0535

◆Package Code

Maker	Package Code	Package
AMD	- (Speed) <b>E</b>	TSOP
	- (Speed) <b>F</b>	TSOP (REVERSE)
	- (Speed) <b>S</b>	SOP
	- (Speed) <b>D</b>	CDIP
	- (Speed) <b>P</b>	PDIP
	- (Speed) <b>L</b>	LCC
	- (Speed) <b>JC</b>	PLCC
	- (Speed) <b>WD</b>	FBGA
ATMEL	- (Speed) <b>J</b>	PLCC
	- (Speed) <b>T</b>	TSOP
	- (Speed) <b>V</b>	VSOP
	- (Speed) <b>C</b>	CBGA
	- (Speed) <b>U</b>	uBGA
FUJITSU	- (Speed) <b>PF</b>	SSOP
	- (Speed) <b>PFTN</b>	TSOP
	- (Speed) <b>PFTR</b>	TSOP (REVERSE)
	- (Speed) <b>PBT</b>	FBGA
	- (Speed) <b>TN</b>	TSOP
	- (Speed) <b>TR</b>	TSOP (REVERSE)
	- (Speed) <b>PTN</b>	TSOP
	- (Speed) <b>PTR</b>	TSOP (REVERSE)
	- (Speed) <b>PN</b>	SON
	- (Speed) <b>PD</b>	QFJ
	- (Speed) <b>PBT</b>	BGA/LGAMCP
	- (Speed) <b>PBS</b>	BGAMCP
	- (Speed) <b>PCS</b>	CSOPMCP
	- (Speed) <b>PTS</b>	TSOPMCP
- (Speed) <b>PLS</b>	LGAMCP	
HYUNDAI	<b>P-</b> (Speed)	PDIP
	<b>C-</b> (Speed)	PLCC
	<b>T-</b> (Speed)	TSOP
	<b>R-</b> (Speed)	TSOP (REVERSE)
	<b>G-</b> (Speed)	PSOP

Maker	Package Code	Package
INTEL	<b>E</b> (Name)	TSOP
	<b>F</b> (Name)	TSOP (REVERSE)
	<b>TE</b> (Name)	TSOP (EXT. TEMP)
	<b>PA</b> (Name)	PSOP
	<b>TB</b> (Name)	PSOP (EXT. TEMP)
	<b>G</b> (Name)	uBGA
	<b>GT</b> (Name)	uBGACSP (EXT. TEMP)
	<b>DT</b> (Name)	uBGACSP (EXT. TEMP)
	<b>DA</b> (Name)	SSOP
	<b>RC</b> (Name)	EASYBGA
MACRONIX	<b>T-</b> (Speed)	TSOP
	<b>R-</b> (Speed)	TSOP (REVERSE)
	<b>XB-</b> (Speed)	BGA
	<b>M-</b> (Speed)	SOP
	<b>Q-</b> (Speed)	PLCC
	<b>P-</b> (Speed)	PDIP
	<b>D-</b> (Speed)	CDIP
MICRON	<b>FD-</b> (Speed)	FBGA
	<b>FC-</b> (Speed)	FBGA
	<b>VG-</b> (Speed)	TSOP
	<b>SG-</b> (Speed)	SOP
	<b>WG-</b> (Speed)	TSOP
MITSUBISHI	(Name) <b>VP</b>	TSOP
	(Name) <b>WG</b>	BGA
OKI	(Name) <b>RA</b>	DIP
	(Name) <b>RP</b>	DIP
	(Name) <b>MA</b>	SOP
	(Name) <b>MP</b>	SOP
	(Name) <b>MB</b>	SSOP
	(Name) <b>TA</b>	TSOP
	(Name) <b>TP</b>	TSOP
	(Name) <b>TM</b>	TSOP



Maker	Package Code	Package
SANYO	T- (Speed)	TSOP
	R- (Speed)	TSOP (REVERSE)
	M- (Speed)	SOP
SHARP	(Name) T-	TSOP
	(Name) R-	TSOP (REVERSE)
	(Name) N-	PSOP
	(Name) B-	BGA
	(Name) D-	SDIP
	(Name) NS-	SSOP
SST	-P	PDIP
	-N	PLCC
	-W	TSOP
	-E	TSOP
STMICROELECTRONICS	- (Speed) F	DIP
	- (Speed) M	SOP
	- (Speed) K	PLCC
	- (Speed) N	TSOP
	- (Speed) B	TFBGA

## AMD

Device Name	Size (Bit)	Pin Package	Type	Vpp (V)	Type Code	AF9710	adapter & note
Am29LV160DT	1Mx16	48TSOP	FEEP	—	10A11*	01.13*p	TEF (TE) 003-48TS-03F
Am29LV160DB	1Mx16	48TSOP	FEEP	—	10A12*	01.13*p	TEF (TE) 003-48TS-03F
Am29LV320DT	2Mx16	48TSOP	FEEP	—	17A4E*	01.12*p	TE (TEF) 003-48TS-03F
Am29LV320DB	2Mx16	48TSOP	FEEP	—	17A4F*	01.12*p	TE (TEF) 003-48TS-03F
Am29LV640Mx*2	4Mx16	56TSOP	FEEP	—	10A26*	○*P	TE003-56TS-75J
Am29LV640Mx (H) *1, 2	4Mx16	56TSOP	FEEP	—	10A27*	○ P	TE003-56TS-75J
Am29LV641Mx*2	4Mx16	48TSOP	FEEP	—	10A26*	○*P	TEF (TE) 003-48TS-03G
Am29LV641Mx (H) *1, 2	4Mx16	48TSOP	FEEP	—	10A27*	○ P	TEF (TE) 003-48TS-03G
Am29DL640D*2	4Mx16	48TSOP	FEEP	—	10A24*	○ P	TEF (TE) 003-48TS-03F
Am29DL640D (H) *1, 2	4Mx16	48TSOP	FEEP	—	10A25*	○ P	TEF (TE) 003-48TS-03F
Am29DL640G*2	4Mx16	48TSOP	FEEP	—	10A24*	○*P	TEF (TE) 003-48TS-03F
Am29DL640G (H) *1, 2	4Mx16	48TSOP	FEEP	—	10A25*	○ P	TEF (TE) 003-48TS-03F
Am29LV128Mx*2	8Mx16	56TSOP	FEEP	—	17A9F*	○*P	TE003-56TS-75J
Am29LV128Mx (H) *1, 2	8Mx16	56TSOP	FEEP	—	17AA0*	○ P	TE003-56TS-75J
Am29LV256Mx*2	16Mx16	56TSOP	FEEP	—	17AAB*	○*P	TE003-56TS-75J
Am29LV256Mx (H) *1, 2	16Mx16	56TSOP	FEEP	—	17AAC*	○ P	TE003-56TS-75J

\*1) 通常のROMの領域とHidden ROM領域に対して連続して書き込みを行います。

A consecutive writing is done to an area and a usual Hidden ROM area.

\*2) x 内にはデバイス内部のブロックに分けに応じて、H,Lの数値が入ります。

The numerical value of H,L enters x corresponding to division in the block in the device.

## AMIC

Device Name	Size (Bit)	Pin Package	Type	Vpp (V)	Type Code	AF9710	adapter & note
A29L400ATV	256Kx16	48TSOP	FEEP	-	59A07*	01.24*	TE003-48TS-03F
A29L400AUV	256Kx16	48TSOP	FEEP	-	59A08*	01.24*	TE003-48TS-03F
A29L800ATV	512Kx16	48TSOP	FEEP	-	59A02*	01.24*	TE003-48TS-03F
A29L800AUV	512Kx16	48TSOP	FEEP	-	59A03*	01.24*	TE003-48TS-03F
A29L160ATV	1Mx16	48TSOP	FEEP	-	59A04*	01.24*	TE003-48TS-03F
A29L160AUV	1Mx16	48TSOP	FEEP	-	59A05*	01.24*	TE003-48TS-03F
A29DL163TV	1Mx16	48TSOP	FEEP	-	59A09*	01.24*	TE003-48TS-03F
A29DL163UV	1Mx16	48TSOP	FEEP	-	59A0A*	01.24*	TE003-48TS-03F

**ATMEL**

Device Name	Size (Bit)	Pin Package	Type	Vpp (V)	Type Code	AF9710	adapter & note
AT49BV160CT	1Mx16	48TSOP	FEEP	-	12A20*	01.33	TEF (TE) 003-48TS-03G
AT49BV160C	1Mx16	48TSOP	FEEP	-	12A21*	01.33	TEF (TE) 003-48TS-03G

# EON

Device Name	Size (Bit)	Pin Package	Type	Vpp (V)	Type Code	AF9710	adapter & note
EN29LV800AT	512Mx16	48TSOP	FEFP	-	57A04*	01.17	TEF (TE) 003-48TS-03F
EN29LV800AB	512Mx16	48TSOP	FEFP	-	57A05*	01.17	TEF (TE) 003-48TS-03F
EN29LV800BT	512Mx16	48TSOP	FEFP	-	57A04*	01.17	TEF (TE) 003-48TS-03F
EN29LV800BB	512Mx16	48TSOP	FEFP	-	57A05*	01.17	TEF (TE) 003-48TS-03F
EN29LV160T	1Mx16	48TSOP	FEFP	-	57A06*	01.17	TEF (TE) 003-48TS-03F
EN29LV160B	1Mx16	48TSOP	FEFP	-	57A07*	01.17	TEF (TE) 003-48TS-03F
EN29LV160AT	1Mx16	48TSOP	FEFP	-	57A06*	01.17	TEF (TE) 003-48TS-03F
EN29LV160AB	1Mx16	48TSOP	FEFP	-	57A07*	01.17	TEF (TE) 003-48TS-03F
EN29LV320T	2Mx16	48TSOP	FEFP	-	57A0E*	01.17	TEF (TE) 003-48TS-03F
EN29LV320B	2Mx16	48TSOP	FEFP	-	57A0F*	01.17	TEF (TE) 003-48TS-03F

\*1) 通常のROMの領域とHidden ROM領域に対して連続して書き込みを行います。

A consecutive writing is done to an area and a usual Hidden ROM area.

\*2) x 内にはデバイス内部のブロックに分けに応じて、H, Lの数値が入ります。

The numerical value of H, L enters x corresponding to division in the block in the device.

## ESI

Device Name	Size (Bit)	Pin Package	Type	Vpp (V)	Type Code	AF9710	adapter & note
ES29LV800DT		48TSOP			6BA00	01.18	TEF (TE) 003-48TS-03F
ES29LV800DB		48TSOP			6BA01	01.18	TEF (TE) 003-48TS-03F
ES29LV160DT		48TSOP			6BA02	01.18	TEF (TE) 003-48TS-03F
ES29LV160DB		48TSOP			6BA03	01.18	TEF (TE) 003-48TS-03F

\*1) 通常のROMの領域とHidden ROM領域に対して連続して書き込みを行います。

A consecutive writing is done to an area and a usual Hidden ROM area.

\*2) x 内にはデバイス内部のブロックに分けに応じて、H, Lの数値が入ります。

The numerical value of H, L enters x corresponding to division in the block in the device.

## FCL

Device Name	Size (Bit)	Pin Package	Type	Vpp (V)	Type Code	AF9710	adapter & note
6064-B003	8M × 16	—	FEEP	—	65B1A*	○ P	TEF806-60MJ-03
6064-B001	16M × 16	—	FEEP	—	65B12*	○ P	TEF806-100MJ-01
6064-B002	32M × 16	—	FEEP	—	65B0F*	○ P	TEF806-100MJ-01
RB01-256	16M × 16	—	FEEP	—	65B1B*	01.03	TEF806-100MJ-06
RB02-512	32M × 16	—	FEEP	—	65B1E*	01.03	TEF806-100MJ-06

## FUJITSU DEVICES

Device Name	Size (Bit)	Pin Package	Type	Vpp (V)	Type Code	AF9710	Adapter & note
MSP55LV160	1M × 16	44SOP	FEFP	—	63A01	○ P	TEF (TE) 003-44SP-01N
MSP55LV160A	1M × 16	44SOP	FEFP	—	63A01	01. 37 P	TEF (TE) 003-44SP-01N
MSP55LV320	2M × 16	44SOP	FEFP	—	63A02	○ P	TEF (TE) 003-44SP-01G
MSP55LV650	4M × 16	44SOP	FEFP	—	63A00	○ P	TE003-44SP-64
MSP55LV650M	4M × 16	44SOP	FEFP	—	63A00	01. 48P	TE003-44SP-64
MSP55LV128	8M × 16	44SOP	FEFP	—	63A03	○	TEF009-44SP-91
MSP55LV128T	8M × 16	56TSOP	FEFP	—	63A04*	○	TE003-56TS-75J
MSP55LV128M	8M × 16	44SOP	FEFP	—	63A03	01. 48	TEF009-44SP-91
MSP55LV256	16M × 16	44SOP	FEFP	—	63A07*	○	TEF009-44SP-91A
MSP55LV256M	16M × 16	70SSOP	FEFP	—	63A12	01. 53	TEF009-70SS-117
MSP55LV512	32M × 16	70SSOP	FEFP	—	63A0A*	01. 02	TEF009-70SS-117
	32M × 16	123BGA	FEFP	—	63A0A*	01. 04	TEF009-123BG-118
MSP55LV100S	64M × 16	70SSOP	FEFP	—	63A0B*	01. 07	TEF009-70SS-122
MSP88LV020 (16Bit)	128M × 16	88FLGA	FEFP	—	63A0E*	01. 40	TEF003-88FG-146A
MSP88LV020 (32Bit)	64M × 32	88FLGA	FEFP	—	63A19*	01. 63	TEF003-88FG-146A
MSP88LV025 (16Bit)	128M × 16	88FLGA	FEFP	—	63A18*	01. 61	TEF003-88FG-146A
MSP88LV025 (32Bit)	64M × 32	88FLGA	FEFP	—	63A1B*	01. 64	TEF003-88FG-146A
MSP88LV040 (16Bit)	256M × 16	88FLGA	FEFP	—	63A13*	01. 54	TEF003-88FG-146A
MSP88LV040 (32Bit)	128M × 32	88FLGA	FEFP	—	63A1A*	01. 64	TEF003-88FG-146A



# FUJITSU

Device Name	Size (Bit)	Pin Package	Type	Vpp (V)	Type Code	AF9710	adapter & note
MBM29F200TC	128K × 16	48TSOP	FEEP	—	17144	01. 18*P	TEF (TE) 003-48TS-03F
MBM29F200BC	128K × 16	48TSOP	FEEP	—	17145	01. 18*P	TEF (TE) 003-48TS-03F
MBM29LV400TC	256K × 16	48TSOP	FEEP	—	17A66*	01. 22*P	TEF (TE) 003-48TS-03F
	256K × 16	44SOP	FEEP	—	17A66*	01. 22*P	TE003-44SP-01A
MBM29LV400BC	256K × 16	48TSOP	FEEP	—	17A67*	01. 22*P	TEF (TE) 003-48TS-03F
	256K × 16	44SOP	FEEP	—	17A67*	01. 22*P	TE003-44SP-01A
MBM29LV800TE	512K × 16	48TSOP	FEEP	—	17A6E*	01. 18	TEF (TE) 003-48TS-03F
MBM29LV800BE	512K × 16	48TSOP	FEEP	—	17A6F*	01. 18	TEF (TE) 003-48TS-03F
MBM29F800TA	512K × 16	48TSOP	FEEP	—	1713B	01. 22*P	TEF (TE) 003-48TS-03F
	512K × 16	44SOP	FEEP	—	1713B	01. 22*P	TE003-44SP-01A
MBM29F800BA	512K × 16	48TSOP	FEEP	—	1713C	01. 22*P	TEF (TE) 003-48TS-03F
	512K × 16	44SOP	FEEP	—	1713C	01. 22*P	TE003-44SP-01A
MBM29SL800TE	512K × 16	45SCSP	FEEP	—	17AB9*	01. 43*P	TEF029-45CS-144
MBM29SL800BE	512K × 16	45SCSP	FEEP	—	17ABA*	01. 43*P	TEF029-45CS-144
MBM29LV160T	1M × 16	48TSOP	FEEP	—	17A64*	01. 04*P	TEF (TE) 003-48TS-03F
MBM29LV160B	1M × 16	48TSOP	FEEP	—	17A65*	01. 04*P	TEF (TE) 003-48TS-03F
MBM29LV160TE	1M × 16	48TSOP	FEEP	—	17A64*	01. 04*P	TEF (TE) 003-48TS-03F
MBM29LV160BE	1M × 16	48TSOP	FEEP	—	17A65*	01. 04*P	TEF (TE) 003-48TS-03F
MBM29LV160TM	1M × 16	48TSOP	FEEP	—	17AB1*	01. 04*P	TEF (TE) 003-48TS-03F
MBM29LV160BM	1M × 16	48TSOP	FEEP	—	17AB2*	01. 04*P	TEF (TE) 003-48TS-03F
MBM29LV320TE	2M × 16	48TSOP	FEEP	—	17A4E*	01. 13*P	TEF (TE) 003-48TS-03F
MBM29LV320BE	2M × 16	48TSOP	FEEP	—	17A4F*	01. 13*P	TEF (TE) 003-48TS-03F
MBM29DL32xTE	2M × 16	48TSOP	FEEP	—	17A4E*	01. 18*P	TEF (TE) 003-48TS-03F
MBM29DL32xTE (H)	2M × 16	48TSOP	FEEP	—	17A50*	01. 18*P	TEF (TE) 003-48TS-03F
MBM29DL32xBE	2M × 16	48TSOP	FEEP	—	17A4F*	01. 18*P	TEF (TE) 003-48TS-03F
MBM29DL32xBE (H)	2M × 16	48TSOP	FEEP	—	17A51*	01. 18*P	TEF (TE) 003-48TS-03F
MBM29DL640E	4M × 16	48TSOP	FEEP	—	17A82*	○*P	TEF (TE) 003-48TS-03F
	4M × 16	57BGA	FEEP	—	17A82*	○*P	TE003-57BG-38G
MBM29DL640E (H) *1	4M × 16	48TSOP	FEEP	—	17A83*	○*P	TEF (TE) 003-48TS-03F
	4M × 16	57BGA	FEEP	—	17A83*	○*P	TE003-57BG-38G
MBM29DL64DF	4M × 16	57BGA	FEEP	—	17A82*	○*P	TE003-57BG-38G
	4M × 16	48TSOP	FEEP	—	17A82*	○*P	TEF (TE) 003-48TS-03F
MBM29DL64DF (H) *1	4M × 16	57BGA	FEEP	—	17A83*	○*P	TE003-57BG-38G
	4M × 16	48TSOP	FEEP	—	17A83*	○*P	TEF (TE) 003-48TS-03F
MBM29LV650UE	4M × 16	48TSOP	FEEP	—	17A56*	○*P	TEF (TE) 003-48TS-03G
MBM29LV650UE (H) *1	4M × 16	48TSOP	FEEP	—	17A58*	○ P	TEF (TE) 003-48TS-03G
MBM29LV651UE	4M × 16	48TSOP	FEEP	—	17A57*	○*P	TEF (TE) 003-48TS-03G
MBM29LV651UE (H) *1	4M × 16	48TSOP	FEEP	—	17A59*	○ P	TEF (TE) 003-48TS-03G
MBM29LV652UE	4M × 16	57BGA	FEEP	—	17A56*	○*P	TE003-57BG-38G
MBM29LV652UE (H) *1	4M × 16	57BGA	FEEP	—	17A58*	○ P	TE003-57BG-38G
MBM29PL64LM	4M × 16	56TSOP	FEEP	—	17A9B*	○ P	TE003-56TS-75J
MBM29PL64LM (H)	4M × 16	56TSOP	FEEP	—	17A9C*	○ P	TE003-56TS-75J
MBM29PL64LM	4M × 16	48TSOP	FEEP	—	17A9B*	○ P	TEF (TE) 003-48TS-03F
MBM29PL64LM (H)	4M × 16	48TSOP	FEEP	—	17A9C*	○ P	TEF (TE) 003-48TS-03F
MBM29PL65LM	4M × 16	48TSOP	FEEP	—	17A9B*	○ P	TEF (TE) 003-48TS-03G
MBM29PL65LM (H)	4M × 16	48TSOP	FEEP	—	17A9C*	○ P	TEF (TE) 003-48TS-03G

\*1) 通常のROM領域とHidden ROMに対して連続して書き込みを行います。但し、AF9723の場合は、AF9836を併用する必要があります。

A consecutive writing is done to an area and a usual Hidden ROM area. However, it is necessary to use AF9836 together in AF9723.

\*2) 通常のROM領域とHidden ROMデータをに対して連続して書き込みを行います。但し、Hidden ROM領域は編集不可、AF9723の場合はチェックサム値に含まれません。

A consecutive writing is done to an area and a usual Hidden ROM area. However, Hidden ROM area cannot be edited.

The data of the Hidden ROM area is not added to the check sum in AF9723.

## F U J I T S U

Device Name	Size (Bit)	Pin Package	Type	Vpp (V)	Type Code	AF9710	adapter & note
MBM29PL12LM	8M×16	56TSOP	FEEP	—	17A9D*	○*P	TE003-56TS-75J
MBM29PL12LM (H)	8M×16	56TSOP	FEEP	—	17A9E*	○ P	TE003-56TS-75J
MBM29XL12DF	8M×16	90SSOP	FEEP	—	17A8D*	○	TE003-90SS-69B
MBM29XL12DF (H)	8M×16	90SSOP	FEEP	—	17A8E*	○	TE003-90SS-69B
MBM29XL12DF	8M×16	96BGA	FEEP	—	17A8D*	○	TEF003-96BG-84B
MBM29XL12DF (H)	8M×16	96BGA	FEEP	—	17A8E*	○	TEF003-96BG-84B
MBM29QM12DH	8M×16	80BGA	FEEP	—	17AB7*	○*P	TEF003-80BG-93F
	8M×16	56TSOP	FEEP	—	17AB7*	○*P	TEF003-56TS-101B
MB84VZ128D	12M×16	115BGA	MCP	—	17550*	○	TE003-115BG-98A
MBM29PL25LM	16M×16	56TSOP	FEEP	—	17AAB*	○*P	TE003-56TS-75J
MBM29PL25LM (H)*1	16M×16	56TSOP	FEEP	—	17AAC*	○ P	TE003-56TS-75J
MB84VQ6M6M7C2	16M×16	115BGA	MCP	—	17557*	○	TE003-115BG-98M

\*1) 通常のROM領域とHidden ROMに対して連続して書き込みを行います。但し、AF9723の場合は、AF9836を併用する必要があります。

A consecutive writing is done to an area and a usual Hidden ROM area. However, it is necessary to use AF9836 together in AF9723.

\*2) 通常のROM領域とHidden ROMデータをに対して連続して書き込みを行います。但し、Hidden ROM領域は編集不可、AF9723の場合はチェックサム値に含まれません。

A consecutive writing is done to an area and a usual Hidden ROM area. However, Hidden ROM area cannot be edited.

The data of the Hidden ROM area is not added to the check sum in AF9723.

## F U J I T S U (M I C O N)

Device Name	Size (Bit)	Pin Package	Type	Vpp (V)	Type Code	AF9710	adapter & note
MB95F108-BGL		96BGA	MCU	—	1722D	01.17	TEF110-95F108-BGL
MB90F428		100LQFP	MCU	—	17229	01.24*P	TEF009-580F03AP
		100QFP	MCU	—	17229	01.24*P	TEF009-553F01AP
MB90F474		100LQFP	MCU	—	1722A	01.24*P	TEF009-580F03AP
		100QFP	MCU	—	1722A	01.24*P	TEF009-553F01AP
MB90F488		100LQFP	MCU	—	1722A	01.24*P	TEF009-580F03AP
		100QFP	MCU	—	1722A	01.24*P	TEF009-553F01AP

\*1) 通常のROM領域とHidden ROMに対して連続して書き込みを行います。但し、AF9723の場合は、AF9836を併用する必要があります。

A consecutive writing is done to an area and a usual Hidden ROM area. However, it is necessary to use AF9836 together in AF9723.

\*2) 通常のROM領域とHidden ROMデータをに対して連続して書き込みを行います。但し、Hidden ROM領域は編集不可、AF9723の場合はチェックサム値に含まれません。

A consecutive writing is done to an area and a usual Hidden ROM area. However, Hidden ROM area cannot be edited.

The data of the Hidden ROM area is not added to the check sum in AF9723.

# INTEL

Device Name	Size (Bit)	Pin Package	Type	Vpp (V)	Type Code	AF9710	adapter & note
28F160C3B	1M × 16	48TSOP	FEFP	3.3	1DA24*	01.39	TEF (TE) 003-48TS-03G
28F320J3A	2M × 16	56TSOP	FEFP	3.3	1DA2D*	01.13	TEF (TE) 003-56TS-30A
28F640J3C	4M × 16	56TSOP	FEFP	3.3	1DA20*	○*P	TEF (TE) 003-56TS-30A
	4M × 16	64eBGA	FEFP	3.3	1DA20*	○*P	TE003-64BG-47A
28F640W30T	4M × 16	56BGA	FEFP	1.8	1DA2F*	○	TE003-56BG-71
28F640W30B	4M × 16	56BGA	FEFP	1.8	1DA30*	○	TE003-56BG-71
28F640W18T	4M × 16	56BGA	FEFP	1.8	1DA5A*	01.04	TE003-56BG-71A
28F640W18B	4M × 16	56BGA	FEFP	1.8	1DA5B*	01.04	TE003-56BG-71A
28F6408W30T	4M × 16	96BGA	MCP	1.8	1D504*	○	TE003-96BG-58
28F6408W30B	4M × 16	96BGA	MCP	1.8	1D505*	○	TE003-96BG-58
28F128J3C	8M × 16	56TSOP	FEFP	3.3	1DA1D*	○*P	TEF (TE) 003-56TS-30A
	8M × 16	64eBGA	FEFP	3.3	1DA1D*	01.02 P	TE003-64BG-47A
28F256L30T	16M × 16	79BGA	FEFP	9.0	1DA38*	01.01*	TEF003-79BG-110
28F256L30B	16M × 16	79BGA	FEFP	9.0	1DA39*	01.01*	TEF003-79BG-110
38F3352LLZDQ0	16M × 16	96BGA	MCP	3.3	1D50B*	○	TE003-96BG-67E
48F4400POVB00	32M × 16	56TSOP	FEFP	9.0	1DA42*	01.63	TEF003-56TS-148

# MACRONIX

Device Name	Size (Bit)	Pin Package	Type	Vpp (V)	Type Code	AF9710	adapter & note
MX26LV800TTC	512M × 16	48TSOP	FEFP	—	10A22*	01. 01*P	TEF (TE) 003-48TS-03F
MX26LV800BTC	512M × 16	48TSOP	FEFP	—	10A23*	01. 01*P	TEF (TE) 003-48TS-03F
MX29LV800CTTC	512M × 16	48TSOP	FEFP	—	44A58*	01. 37	TEF (TE) 003-48TS-03F
MX29LV800CBTC	512M × 16	48TSOP	FEFP	—	44A59*	01. 37	TEF (TE) 003-48TS-03F
MX29F1615	1M × 16	42DIP	FEFP	—	44115	01. 03*	
MX29L1611	1M × 16	44SOP	FEFP	—	44A03*	01. 03*	TEF (TE) 003-44SP-01J
MX29L1611G	1M × 16	42DIP	FEFP	—	44A07*	01. 04*	
MX29LV160CTMC	1M × 16	44SOP	FEFP	—	44A42*	01. 22*P	TEF (TE) 003-44SP-01L
MX29LV160CBMC	1M × 16	44SOP	FEFP	—	44A43*	01. 22*P	TEF (TE) 003-44SP-01L
MX29LV160CTTC	1M × 16	48TSOP	FEFP	—	44A42*	01. 23	TEF (TE) 003-48TS-03F
MX29LV160CBTC	1M × 16	48TSOP	FEFP	—	44A43*	01. 23	TEF (TE) 003-48TS-03F
MX25L1605MC	16M × 1	16SOP	FEFP	—	44A33*	01. 11	TEF005-S1R8SPA
MX25L1605AZMC	16M × 1	8SON	FEFP	—	44A41*	01. 22	TEF005-S1R8SNI
MX29LV320MTTC	2M × 16	48TSOP	FEFP	—	44A36*	01. 12*	TE (TEF) 003-48TS-03F
MX29LV320MBTC	2M × 16	48TSOP	FEFP	—	44A37*	01. 12*	TE (TEF) 003-48TS-03F
MX29LV320ATTC	2M × 16	48TSOP	FEFP	—	44A1A*	01. 17	TEF (TE) 003-48TS-03F
MX29LV320ABTC	2M × 16	48TSOP	FEFP	—	44A1B*	01. 17	TEF (TE) 003-48TS-03F
MX29LV320MTMC	2M × 16	44SOP	FEFP	—	44A3E*	01. 27	TEF003-44SP-01G
MX29LV320MBMC	2M × 16	44SOP	FEFP	—	44A3F*	01. 27	TEF003-44SP-01G
MX25L3205MC	32M × 1	16SOP	FEFP	—	44A34*	01. 22	TEF005-S1R16SPA
MX26L6420	4M × 16	44SOP	FEFP	—	44A12*	○*	TEF (TE) 003-44SP-01M
	4M × 16	48TSOP	FEFP	—	44A26*	○	TE003-48TS-03G
MX26F640J3TC	4M × 16	56TSOP	FEFP	—	44A27*	○ P	TE003-56TS-30A
MX23C6410MC	4M × 16	44SOP	MASK	—	44707	○	TEF (TE) 003-44SP-01J
MX23C6410 *1	4M × 16	42DIP	MASK	—	44705	○	
MX23L6410 *1	4M × 16	44SOP	MASK	—	44703*	○	TEF (TE) 003-44SP-01J
MX23L6411 *1	4M × 16	44SOP	MASK	—	44703*	01. 04	TEF (TE) 003-44SP-01J
MX29LV640TTC	4M × 16	48TSOP	FEFP	—	44A1D*	○*P	TE (TEF) 003-48TS-03F
MX29LV640BTC	4M × 16	48TSOP	FEFP	—	44A1E*	○*P	TE (TEF) 003-48TS-03F
MX29LV640BTTC	4M × 16	48TSOP	FEFP	—	44A1D*	01. 17*P	TE (TEF) 003-48TS-03F
MX29LV640BBTC	4M × 16	48TSOP	FEFP	—	44A1E*	01. 17*P	TE (TEF) 003-48TS-03F
MX29LV640MTTC	4M × 16	48TSOP	FEFP	—	44A38*	01. 12*	TE (TEF) 003-48TS-03F
MX29LV640MBTC	4M × 16	48TSOP	FEFP	—	44A39*	01. 12*	TE (TEF) 003-48TS-03F
MX25L6405MC	64M × 1	16SOP	FEFP	—	44A35*	01. 11	TEF005-S1R8SPA
MX23L12811 *1	8M × 16	44SOP	MASK	—	44704*	○	TEF (TE) 003-44SP-01K
MX23L12810 *1	8M × 16	44SOP	MASK	—	44704*	○	TEF (TE) 003-44SP-01K
MX26L12811MC	8M × 16	44SOP	FEFP	—	44A1F*	○*P	TEF003-44SP-103B
MX26L12711MC	8M × 16	44SOP	FEFP	—	44A20*	○ P	TEF003-44SP-103A
MX26F128J3TC	8M × 16	56TSOP	FEFP	—	44A25*	○ P	TE003-56TS-30A
MX26F128J3XCC	8M × 16	64BGA	FEFP	—	44A1F*	○*P	TE003-64BG-47A
MX29LV128MTTC	8M × 16	56TSOP	FEFP	—	44A3A*	01. 12*	TEF003-56TS-113B
MX29LV128MBTC	8M × 16	56TSOP	FEFP	—	44A3B*	01. 12*	TEF003-56TS-113B
MX23L25611 *1	16M × 16	70SSOP	MASK	—	44708*	○	TEF003-70SS-82
MX26L25722MC	16M × 16	70SSOP	FEFP	—	44A2B*	01. 02	TEF003-70SS-105A
MX26L25622MC	16M × 16	70SSOP	FEFP	—	44A44*	01. 49	TEF003-70SS-105A
MX23J25622MC	16M × 16	70SSOP	OTP	—	44A50*	01. 49	TEF003-70SS-105A
MX23L51220MC *1	32M × 16	70SSOP	MASK	—	4470A*	○	TEF003-70SS-99
MX26L51322MC	32M × 16	70SSOP	FEFP	—	44A2C*	01. 01	TEF003-70SS-105A
MX23J51211MC	32M × 16	70SSOP	OTP	—	44A4C*	01. 32	TEF (TE) 003-70SS-140A
MX23J51220MC	16M × 32	70SSOP	OTP	—	44A4F*	01. 32	TEF003-70SS-140A
MX23J1G11MC *1	64M × 16	70SSOP	OTP	—	44A51*	01. 32	TEF003-70SS-140A
MX23J1G20MC *1	32M × 32	70SSOP	OTP	—	44A52*	01. 32	TEF003-70SS-140A

\*1 : プログラム不可。読み出しのみに対応。

Read only

**M I C R O N**

Device Name	Size (Bit)	Pin Package	Type	Vpp (V)	Type Code	AF9710	Adapter & note
MT28F640J3	4M × 16	64BGA	FEEP	—	34A4A	01.02*P	TEF003-64BG-102

## NEC Personal Products

Device Name	Size (Bit)	Pin Package	Type	Vpp (V)	Type Code	AF9710	adapter & note
28F2561GMODULE	64M × 16	—	FEFP	—	67B00	○	TEF802-120DM-04

OKI

Device Name	Size (Bit)	Pin Package	Type	Vpp (V)	Type Code	AF9710	Adapter & note
MR27V8X2F	512K × 16	—	OTP	—	29920*	01.18	
MR27V16X2F	1M × 16	—	OTP	8.00	29918*	01.03	
MR27T1602LTN	1M × 16	—	OTP	—	29956*	01.59	
MR27T1602LMA	1M × 16	—	OTP	—	29956*	01.59	
MR27V32X2F	2M × 16	—	OTP	8.00	29916*	01.03	
MR27V32X2J	2M × 16	—	OTP	8.20	29923*	01.64	
MR27T3202L	2M × 16	—	OTP	—	2993A*	01.34	
MR27V64X2D	4M × 16	—	OTP	9.75	29911*	○	
MR27V64X6F	4M × 16	—	OTP	8.00	29917*	○	
MR27V64X2G	4M × 16	—	OTP	8.00	2991A*	○	
MR27T6402L	4M × 16	—	OTP	—	29935*	01.27	
MR27T6402L (READ)	4M × 16	—	OTP	—	29938*	01.27	
MR27V6452L (READ)	4M × 16	—	OTP	—	29938*	01.27	
MR27V128X0J	8M × 16	—	OTP	8.00	2991B*	○	
MR27V12852LTA	8M × 16	—	OTP	—	29949*	01.46	
MR27T12800LTN	8M × 16	—	OTP	—	29948*	01.46	
MR27V12850LTN	8M × 16	—	OTP	—	29948*	01.59	
MR26V25605J	8M × 32	—	OTP	8.00	2991D*	○	
MR26V25605J (READ) ※	8M × 32	—	OTP	—	2991E*	○	
MR26V25655J	8M × 32	—	OTP	8.00	2991D*	○	
MR26V25655J (READ) ※	8M × 32	—	OTP	—	2991E*	○	
MR27V25603L (READ) ※	16M × 16	—	OTP	—	29925*	01.03	
MR27V25653L (READ) ※	16M × 16	—	OTP	—	29925*	01.03	
MR27V25653L	16M × 16	—	OTP	—	29929*	01.06	SOCKET70S-121
	16M × 16	—	OTP	—	2992D*	01.19	SOCKET70S-131
MR27T25603L	16M × 16	—	OTP	—	2994A*	01.46	
MR26V51203L (READ) ※	32M × 16	—	OTP	—	29926*	01.03	
MR26V51253L (READ) ※	32M × 16	—	OTP	—	29926*	01.03	
MR26V51253L	32M × 16	—	OTP	—	2992A*	01.10	SOCKET70S-121
	32M × 16	—	OTP	—	2992E*	01.19	SOCKET70S-131
MR26V01G53L	64M × 16	—	OTP	—	29930*	01.24	
MR26V02G54N	128M × 16	—	OTP	—	2993D*	01.59	SOCKET70S-147
MR26V02G54R (OTP)	128M × 16	—	OTP	—	29950*	01.59	SOCKET70S-147
MR26V02G54N ※	128M × 16	—	OTP	—	29951*	01.59	SOCKET70S-147V

※) 本タイプコードは、読み出しのみ対応しております。ご使用には沖電気工業(株)社製変換アダプタが必要になります。

※) Only reading corresponds to this type code.

The conversion adaptor made by the Oki Electric Industry Ltd. company is needed for use.

## RENESAS

Device Name	Size (Bit)	Pin Package	Type	Vpp (V)	Type Code	AF9710	adapter & note
HN29V128A0A	8M × 16	64BGA	S-AND	—	1AA02*	01.02	TEF003-64BG-107
HN29V256A0B		64BGA			1AA05	01.26	TEF003-64BG-107
HN29V256A1B		64BGA			1AA04	01.17	TEF003-64BG-107



## RENESAS

Device Name	Size (Bit)	Pin Package	Type	Vpp (V)	Type Code	AF9710	Adapter & note
M5M29KT641AVP	4M × 16	48TSOP	FEEP	—	22A1A*	○	TE003-48TS-03F
M5M29KB641AVP	4M × 16	48TSOP	FEEP	—	22A1B*	○	TE003-48TS-03F
R8J01027F	512K × 16	-	MPU	—	22266	01.23	
R8J66608BG	512K × 16	-	MPU	—	2226A	01.35	TEF (TE) 200-R8J66608BG

**RENESAS**

Device Name	Size (Bit)	Pin Package	Type	Vpp (V)	Type Code	AF9710	Adapter & note
2G MODULE (32Bit) EX-D05ME-T1					70B01 70B06	01.23 01.23	

**S A M S U N G**

Device Name	Size (Bit)	Pin Package	Type	Vpp (V)	Type Code	AF9710	adapter & note
KBH10EA00M	16M×16	167BGA	MCP	—	4DA2A*	01.01	TEF003-167BG-112

**SANYO**

Device Name	Size (Bit)	Pin Package	Type	Vpp (V)	Type Code	AF9710	Adapter & note
LE28DW3218AM	2M × 16	44SOP	FEEP	—	3BA13*	01.12*	TEF (TE) 003-44SP-01J
LE28DW6417M	4M × 16	44SOP	FEEP	—	3BA11*	01.04*	TEF (TE) 003-44SP-01M

## SHARP

Device Name	Size (Bit)	Pin Package	Type	Vpp (V)	Type Code	AF9710	Adapter & note
LH28F800BJR-PTTL	512K × 16	48TSOP	FEEP	3.30	2FA45*	01.01*P	TEF (TE) 003-48TS-03B
LH28F800BJR-PBTL	512K × 16	48TSOP	FEEP	3.30	2FA46*	01.01*P	TEF (TE) 003-48TS-03B
LH28F160BJD-TTL	1M × 16	42DIP	FEEP	3.30	2FA29*	01.07	TE003-42DP-48
LH28F160BJD-BTL	1M × 16	42DIP	FEEP	3.30	2FA2A*	01.07	TE003-42DP-48
LHF00L12	2M × 16	48TSOP	FEEP	12.0	2FA49*	01.02*	TEF (TE) 003-48TS-03G
LHF00L34	2M × 16	44SOP	FEEP	12.0	2FA49*	01.04*	TEF003-44SP-66
LHF00L36	2M × 16	48BGA	FEEP	12.0	2FA4D*	01.07*	TE003-48BG-50D
LH28F640BFN-PTTL	4M × 16	44SOP	FEEP	12.0	2F13E*	○*	TEF003-44SP-66
LH28F640BFN-PTTLZ1A	4M × 16	44SOP	FEEP	12.0	2F140*	01.47*	TEF003-44SP-66
LH28F640BFHE-PTTL	4M × 16	48TSOP	FEEP	12.0	2F13E*	○*	TEF (TE) 003-48TS-03G
LH28F640BFHE-PBTL	4M × 16	48TSOP	FEEP	12.0	2F13F*	○*	TEF (TE) 003-48TS-03G
LH28F640BFHG-PTTL	4M × 16	48BGA	FEEP	12.0	2F13E*	○*	TE003-48BG-50B
LH28F640BFHG-PBTL	4M × 16	48BGA	FEEP	12.0	2F13F*	○*	TE003-48BG-50B
LH28F640SPHT-PTL	4M × 16	56TSOP	FEEP	3.3	1DA20*	○*	TEF (TE) 003-56TS-30A
LH28F640BFB-PTTL	4M × 16	48BGA	FEEP	12.0	2F13E*	01.03*	TEF003-48BG-08C
LH28F640BFB-PBTL	4M × 16	48BGA	FEEP	12.0	2F13F*	01.03*	TEF003-48BG-08C
LH28F128BFND-PWTL	8M × 16	44SOP	FEEP	12.0	2FA37*	○	TE003-44SP-78
LH28F128BFHD-PWTL	8M × 16	48TSOP	FEEP	12.0	2FA37*	01.01	TEF (TE) 003-48TS-03I
LH28F256BFT-PTSLZ1	16M × 16	56TSOP	FEEP	9.0	1DA38*	01.02*	TEF003-56TS-113A
LH28F256BFHNS-PTSLZ2	16M × 16	70SSOP	FEEP	9.0	1DA38*	01.02*	TEF003-70SS-116
LH28F512BFND-PTSLZ1	32M × 16	70SSOP	FEEP	9.0	2FA4A*	01.03	TEF003-70SS-116
LH28F512BFD-PTSLZ2	32M × 16	72BGA	FEEP	9.0	2FA4A*	01.07	TEF003-72BG-119
LH28F512BFD-PTSLZ4	32M × 16	72BGA	FEEP	9.0	2FA4E*	01.11	TEF003-72BG-119
LH28F320BJHE-PTTL		48TSOP			2FA27	01.13	TEF (TE) 003-48TS-03B
LH28F320BJHE-PBTL		48TSOP			2FA28	01.13	TEF (TE) 003-48TS-03B

## SPANSION

Device Name	Size (Bit)	Pin Package	Type	Vpp (V)	Type Code	AF9710	adapter & note
S25FL004A	4M × 1	8SOP	FEFP	—	6AA36*	01. 27	TEF (TE)005-S1R8SPI-200
S25FL040Ax00	4M × 1	8SOP	FEFP	—	6AA36*	01. 37	TEF (TE)005-S1R8SPI-150
S25FL040Ax01	4M × 1	8SOP	FEFP	—	6AA37*	01. 37	TEF (TE)005-S1R8SPI-150, TEF (TE)005-S1R8SPI-200
S25FL040Ax02	4M × 1	8SOP	FEFP	—	6AA38*	01. 37	TEF (TE)005-S1R8SPI-150, TEF (TE)005-S1R8SPI-200
S29AL008DTxx01	512K × 16	48TSOP	FEFP	—	10A02*	01. 18*P	TEF (TE)003-48TS-03F
S29AL008DTxx02	512K × 16	48TSOP	FEFP	—	10A03*	01. 18*P	TEF (TE)003-48TS-03F
S29AL008DMxx01	512K × 16	44SOP	FEFP	—	10A02*	01. 63*P	TEF (TE)003-44SP-01A
S29AL008DMxx02	512K × 16	44SOP	FEFP	—	10A03*	01. 63*P	TEF (TE)003-44SP-01A
S25FL008A	8M × 1	8SOP	FEFP	—	6AA36*	01. 27	TEF (TE)005-S1R8SPI-200
S29AL016MTxx01	1M × 16	48TSOP	FEFP	—	10A11*	01. 04*P	TEF (TE)003-48TS-03F
S29AL016MTxx02	1M × 16	48TSOP	FEFP	—	10A12*	01. 04*P	TEF (TE)003-48TS-03F
S29AL016MTxxR1	1M × 16	48TSOP	FEFP	—	10A11*	01. 04*P	TEF (TE)003-48TS-03F
S29AL016MTxxR2	1M × 16	48TSOP	FEFP	—	10A12*	01. 04*P	TEF (TE)003-48TS-03F
S29AL016DTxx01	1M × 16	48TSOP	FEFP	—	10A11*	01. 04*P	TEF (TE)003-48TS-03F
S29AL016DTxx02	1M × 16	48TSOP	FEFP	—	10A12*	01. 04*P	TEF (TE)003-48TS-03F
S29AL016DBxx01	1M × 16	48BGA	FEFP	—	10A11*	01. 04*P	TEF003-57BG-380B
S29AL016DBxx02	1M × 16	48BGA	FEFP	—	10A12*	01. 04*P	TEF003-57BG-380B
S29AL016DMxx01	1M × 16	44SOP	FEFP	—	10A11*	01. 63*P	TEF003-44SP-01I
S29AL016DMxx02	1M × 16	44SOP	FEFP	—	10A12*	01. 63*P	TEF003-44SP-01I
S25FL016A	16M × 1	16SOP	FEFP	—	6AA16*	01. 27	TEF (TE)005-S1R16SPA
	16M × 1	8SOP	FEFP	—	6AA16*	01. 37	TEF (TE)005-S1R8SPI-200
	16M × 1	8SON	FEFP	—	6AA16*	01. 37	TEF (TE)005-S1R8SNI
S29GL032MxxR3	2M × 16	48TSOP	FEFP	—	6AA07*	01. 02*P	TEF (TE)003-48TS-03F
S29GL032MxxR4	2M × 16	48TSOP	FEFP	—	6AA08*	01. 02*P	TEF (TE)003-48TS-03F
S29PL032Jxx12	2M × 16	48BGA	FEFP	—	6AA09*	01. 04*	TEF003-57BG-380B
S29JL032Hxx01	2M × 16	48TSOP	FEFP	—	10A09*	01. 12*	TE (TEF)003-48TS-03F
S29JL032Hxx02	2M × 16	48TSOP	FEFP	—	10A0A*	01. 12*	TE (TEF)003-48TS-03F
S29JL032Hxx21	2M × 16	48TSOP	FEFP	—	10A09*	01. 12*	TE (TEF)003-48TS-03F
S29JL032Hxx22	2M × 16	48TSOP	FEFP	—	10A0A*	01. 12*	TE (TEF)003-48TS-03F
S29JL032Hxx31	2M × 16	48TSOP	FEFP	—	10A09*	01. 12*	TE (TEF)003-48TS-03F
S29JL032Hxx32	2M × 16	48TSOP	FEFP	—	10A0A*	01. 12*	TE (TEF)003-48TS-03F
S29JL032Hxx41	2M × 16	48TSOP	FEFP	—	10A09*	01. 12*	TE (TEF)003-48TS-03F
S29JL032Hxx42	2M × 16	48TSOP	FEFP	—	10A0A*	01. 12*	TE (TEF)003-48TS-03F
S71PL032Jxx0	2M × 16	56BGA	MCP	—	6A500*	01. 04	TEF003-56BG-350C
S25FL032A	32M × 1	16SOP	FEFP	—	6AA35*	01. 37	TEF (TE)005-S1R16SPA
S29JL064H	4M × 16	48TSOP	FEFP	—	6AA06*	01. 02*P	TEF (TE)003-48TS-03F
S29PL064Jxx12	4M × 16	48BGA	FEFP	—	6AA0A*	01. 04*	TEF003-57BG-380B
S71PL064Jxx0	4M × 16	56BGA	MCP	—	6A501*	01. 04	TEF003-56BG-350C
S29GL064MxxR3	4M × 16	48TSOP	FEFP	—	6AA23*	01. 22*P	TEF (TE)003-48TS-03F
S29GL064MxxR4	4M × 16	48TSOP	FEFP	—	6AA24*	01. 22*P	TEF (TE)003-48TS-03F
S29GL064AxxR1	4M × 16	56TSOP	FEFP	—	6AA33*	01. 37*P	TEF (TE)003-56TS-113B
S29GL064AxxR2	4M × 16	56TSOP	FEFP	—	6AA33*	01. 37*P	TEF (TE)003-56TS-113B
S29GL064AxxR3	4M × 16	48BGA	FEFP	—	6AA23*	01. 64*P	TEF (TE)003-57BG-380H
S29GL064AxxR6	4M × 16	48TSOP	FEFP	—	6AA12*	01. 36*P	TEF (TE)003-48TS-03G
S29GL064AxxR7	4M × 16	48TSOP	FEFP	—	6AA12*	01. 36*P	TEF (TE)003-48TS-03G
S29GL064AxxR8	4M × 16	48TSOP	FEFP	—	6AA12*	01. 37*P	TEF (TE)003-48TS-03F
S29GL064AxxR9	4M × 16	48TSOP	FEFP	—	6AA12*	01. 37*P	TEF (TE)003-48TS-03F
S25FL064A	64M × 1	16SOP	FEFP	—	6AA30*	01. 27	TEF (TE)005-S1R16SPA

\*1) 通常のROM領域とHidden ROMに対して連続して書き込みを行います。

A consecutive writing is done to an area and a usual Hidden ROM area.

## SPANSION

Device Name	Size (Bit)	Pin Package	Type	Vpp (V)	Type Code	AF9710	adapter & note
S29PL127Jxx13	8M × 16	56TSOP	FEEP	—	6AA0D*	01. 08*	TEF003-56TS-101B
S29GL128Nxx01	8M × 16	56TSOP	FEEP	—	6AA0E*	01. 08*	TEF003-56TS-113B
S29GL128Nxx02	8M × 16	56TSOP	FEEP	—	6AA0E*	01. 08*	TEF003-56TS-113B
S29GL128NxxR1	8M × 16	56TSOP	FEEP	—	6AA0E*	01. 15*P	TEF (TE) 003-56TS-113B
S29GL128NxxR2	8M × 16	56TSOP	FEEP	—	6AA0E*	01. 15*P	TEF (TE) 003-56TS-113B
S75PL191JCEBFW00	12M × 16	115BGA	MCP	—	17558*	○	TE003-115BG-980
S29GL256M	16M × 16	56TSOP	FEEP	—	17AAB*	○*P	TE003-56TS-75J
S29GL256M (H) *1	16M × 16	56TSOP	FEEP	—	17AAC*	○ P	TE003-56TS-75J
S29GL256Nxx01	16M × 16	56TSOP	FEEP	—	6AA18*	01. 18*	TEF (TE) 003-56TS-113B
	16M × 16	64BGA	FEEP	—	6AA18*	01. 14*	TEF003-64BG-125
S29GL256Nxx02	16M × 16	56TSOP	FEEP	—	6AA18*	01. 18*	TEF (TE) 003-56TS-113B
	16M × 16	64BGA	FEEP	—	6AA18*	01. 14*	TEF003-64BG-125
S29GL512Nxx01	32M × 16	56TSOP	FEEP	—	6AA00*	01. 02*	TEF003-56TS-113B
	32M × 16	64BGA	FEEP	—	6AA00*	01. 14*	TEF003-64BG-125
S29GL512Nxx02	32M × 16	56TSOP	FEEP	—	6AA00*	01. 02*	TEF003-56TS-113B
	32M × 16	64BGA	FEEP	—	6AA00*	01. 14*	TEF003-64BG-125
S99-50083	32M × 16	115BGA	MCP	—	6A504*	01. 11	TEF003-115BG-129
S99-50126	32M × 16	115BGA	MCP	—	6A507*	01. 14	TEF003-115BG-132
S29GL01GPxx01	64M × 16	56TSOP	FEEP	—	6AA19*	01. 17*	TEF (TE) 003-56TS-113B
S29GL01GPxx02	64M × 16	56TSOP	FEEP	—	6AA19*	01. 17*	TEF (TE) 003-56TS-113B

## S S T

Device Name	Size (Bit)	Pin Package	Type	Vpp (V)	Type Code	AF9710	adapter & note
39VF1601	1M × 16	48TSOP	FEEP	—	47A22*	01. 10*	TE (TEF) 003-48TS-03F
	1M × 16	48BGA	FEEP	—	47A22*	01. 10*	TE (TEF) 003-48BG-05B
39VF1602	1M × 16	48TSOP	FEEP	—	47A22*	01. 10*	TE (TEF) 003-48TS-03F
	1M × 16	48BGA	FEEP	—	47A22*	01. 10*	TE (TEF) 003-48BG-05B
39VF3201	2M × 16	48TSOP	FEEP	—	47A23*	01. 10*	TE (TEF) 003-48TS-03F
	1M × 16	48BGA	FEEP	—	47A23*	01. 10*	TE (TEF) 003-48BG-05E
39VF3202	2M × 16	48TSOP	FEEP	—	47A23*	01. 10*	TE (TEF) 003-48TS-03F
	1M × 16	48BGA	FEEP	—	47A23*	01. 10*	TE (TEF) 003-48BG-05E
25VF016B		8SOP			47A29	01. 22	TEF005-S1R8SPI-200
25LF080A		8SOP			47A28	01. 23	TEF005-S1R8SPI-200



## ST M I C R O E L E C T R O N I C S

Device Name	Size (Bit)	Pin Package	Type	Vpp (V)	Type Code	AF9710	adapter & note
M29W800DT	512K × 16	48TSOP	FEEP	—	34A31*	01.18	TEF (TE) 003-48TS-03F
M29W800DB	512K × 16	48TSOP	FEEP	—	34A32*	01.18	TEF (TE) 003-48TS-03F
M27C160	1M × 16	42DIP	EP	12.75	3400A	○*	
	1M × 16	42PDIP	OTP	12.5	3400A	○*	
	1M × 16	44SOP	OTP	12.5	3400A	○*	AS-44-42-01S
M27V160	1M × 16	42DIP	EP	12.5	34905*	○	
M27W016	1M × 16	42DIP	OTP	12.0	3490F*	○	
	1M × 16	44SOP	OTP	12.0	3490F*	○	TEF (TE) 003-44SP-01P
	1M × 16	48TSOP	OTP	12.0	3490F*	○	TEF003-48TS-26H
	1M × 16	42SDIP	OTP	12.0	3490F*	○	TE003-42DP-65
M59PW016	1M × 16	42DIP	FEEP	—	34A44*	○	
	1M × 16	42SDIP	FEEP	—	34A44*	○	TE003-42DP-65
	1M × 16	44SOP	FEEP	—	34A44*	○	TEF (TE) 003-44SP-01P
M29W160ET	1M × 16	48TSOP	FEEP	—	34A28*	01.18	TEF (TE) 003-48TS-03F
M29W160EB	1M × 16	48TSOP	FEEP	—	34A29*	01.18	TEF (TE) 003-48TS-03F
M25P016	16M × 1	16SOP	FEEP	—	34A57*	01.49	TEF005-S1R16SPA
	16M × 1	8SON	FEEP	—	34A57*	01.49	TEF005-S1R8SN1 (6x5)
	16M × 1	8SOP	FEEP	—	34A57*	01.49	TEF005-S1R8SP1-200
M59PW032	2M × 16	44SOP	FEEP	—	34A48*	○	TEF (TE) 003-44SP-01P
M27C322	2M × 16	42DIP	EP	12.0	3400F	○*	
	2M × 16	42SDIP	EP	12.0	3400F	○*	TE003-42DP-65
M27C320	2M × 16	48TSOP	EP	12.0	3400F	○*	TE003-48TS-26A
M27W032	2M × 16	48TSOP	OTP	12.0	34911*	○	TE003-48TS-26H
	2M × 16	44SOP	OTP	12.0	34911*	○	TEF (TE) 003-44SP-01P
M27FW032	2M × 16	48TSOP	OTP	12.0	34914*	○	TE003-48TS-03F
M27W064	4M × 16	44SOP	OTP	12.0	34912*	○	TEF (TE) 003-44SP-01P
	4M × 16	48TSOP	OTP	12.0	34912*	○	TE003-48TS-26H
M29W640DT	4M × 16	48TSOP	FEEP	—	34A46*	○*P	TEF (TE) 003-48TS-03F
M29W640DB	4M × 16	48TSOP	FEEP	—	34A47*	○*P	TEF (TE) 003-48TS-03F
M59PV640	4M × 16	44SOP	FEEP	—	34A37*	○	TEF (TE) 003-44SP-01M
M59PW064	4M × 16	44SOP	FEEP	—	34A3F*	○	TEF (TE) 003-44SP-01P
M58LW064C	4M × 16	64BGA	FEEP	—	34A4A*	○*P	TEF003-64BG-102
M58LW064C	4M × 16	56TSOP	FEEP	—	34A4A*	○*P	TEF003-56TS-30A
M58LW064D	4M × 16	64BGA	FEEP	—	34A4A*	○*P	TEF003-64BG-102
M58LW064D	4M × 16	56TSOP	FEEP	—	34A4A*	○*P	TEF003-56TS-30A
M29W640GT	4M × 16	48BGA	FEEP	12.0	34A46*	01.63	TEF003-48BG-05E
M27W1282	8M × 16	44SOP	EP	12.0	34913*	○	TEF003-44SP-01P
M59PW1282	8M × 16	44SOP	FEEP	12.0	34A45*	○	TEF (TE) 003-44SP-01P
M29DW128F	8M × 16	56TSOP	FEEP	12.0	34A61*	01.62	TEF003-56TS-113B
M29W128FL	8M × 16	56TSOP	FEEP	12.0	34A62*	01.62	TEF003-56TS-113B
M58PW2562	16M × 16	70SSOP	FEEP	—	34A3D*	○	TEF003-70SS-106

# TOSHIBA

Device Name	Size (Bit)	Pin Package	Type	Vpp (V)	Type Code	AF9710	Adapter & note
TC58FVT641FT	4M × 16	48TSOP	FEEP	—	35A18*	○*P	TEF (TE) 003-48TS-03F
TC58FVB641FT	4M × 16	48TSOP	FEEP	—	35A19*	○*P	TEF (TE) 003-48TS-03F
TC58FVT641FT (H) *1	4M × 16	48TSOP	FEEP	—	35A1A*	○ P	TEF (TE) 003-48TS-03F
TC58FVB641FT (H) *1	4M × 16	48TSOP	FEEP	—	35A1B*	○ P	TEF (TE) 003-48TS-03F
TC58FVT641XB	4M × 16	57BGA	FEEP	—	35A18*	○*P	TE003-57BG-38I
TC58FVB641XB	4M × 16	57BGA	FEEP	—	35A19*	○*P	TE003-57BG-38I
TC58FVT641XB (H)	4M × 16	57BGA	FEEP	—	35A1A*	○ P	TE003-57BG-38I
TC58FVB641XB (H)	4M × 16	57BGA	FEEP	—	35A1B*	○ P	TE003-57BG-38I
TC58FVM6T2ATG	4M × 16	48TSOP	FEEP	—	35A38*	○*P	TEF (TE) 003-48TS-03F
TC58FVM6B2ATG	4M × 16	48TSOP	FEEP	—	35A39*	○*P	TEF (TE) 003-48TS-03F
TC58FVM6T2ATG (H)	4M × 16	48TSOP	FEEP	—	35A3A*	○ P	TEF (TE) 003-48TS-03F
TC58FVM6B2ATG (H)	4M × 16	48TSOP	FEEP	—	35A3B*	○ P	TEF (TE) 003-48TS-03F
TC58FVM7T2ATG	8M × 16	56TSOP	FEEP	—	35A34*	○*P	TEF003-56TS-75J
TC58FVM7B2ATG	8M × 16	56TSOP	FEEP	—	35A35*	○*P	TEF003-56TS-75J
TC58FVM7T2ATG (H) *1	8M × 16	56TSOP	FEEP	—	35A36*	○ P	TEF003-56TS-75J
TC58FVM7B2ATG (H) *1	8M × 16	56TSOP	FEEP	—	35A37*	○ P	TEF003-56TS-75J
TC58FVM7T5BTG		56TSOP			35A70	01. 17	TEF (TE) 003-56TS-75J
TC58FVM7B5BTG		56TSOP			35A71	01. 17	TEF (TE) 003-56TS-75J

\*1: 通常のROM領域とHidden ROMに対して連続して書き込みを行います。  
A consecutive writing is done to an area and a usual Hidden ROM area.

**WINBOND**

Device Name	Size (Bit)	Pin Package	Type	Vpp (V)	Type Code	AF9710	Adapter & note
W19B320STT	2M × 16	48TSOP	FEEP	—	52A00*	01.01*P	TEF (TE) 003-48TS-03F
W19B320SBT	4M × 16	48TSOP	FEEP	—	52A01*	01.01*P	TEF (TE) 003-48TS-03F
W19L320STT	2M × 16	48TSOP	FEEP	—	52A00*	01.01*P	TEF (TE) 003-48TS-03F
W19L320SBT	4M × 16	48TSOP	FEEP	—	52A01*	01.01*P	TEF (TE) 003-48TS-03F
W19B320ATT					52A00	01.29	TEF (TE) 003-48TS-03F
W19B320ABT					52A01	01.29	TEF (TE) 003-48TS-03F

other\_maker

Device Name	Size (Bit)	Pin Package	Type	Vpp (V)	Type Code	AF9710	adapter & note
2Gb MODULE					FFB01	01.23	
4Gb MODULE					FFB02	01.23	
EX-ME05BBM-1					73B00	01.23	
EX-NF05ME-T1					74B00	01.25	
FLASH MDL 2G (INTEL)					1AB02	01.36	
FLASH MDL 2G (ITL1Gx2)					1AB09	01.46	TEF806-100MJ-07, TEF806-100MJ-07-2
FLASH MODULE 256M					1AB03	01.36	TEF806-100MJ-07, TEF806-100MJ-07-2
FLASH MDL 4G (INTEL)					1AB05	01.41	TEF806-100MJ-07, TEF806-100MJ-07-2
F MDL 4G (LINEAR, FDI)					1AB07	01.36	TEF806-120MJ-19
F MDL 2G (LINEAR, FDI)					1AB08	01.36	TEF806-120MJ-19
FLASH MDL 2G (INTEL)					1AB02	01.36	TEF806-100MJ-07, TEF806-100MJ-07-2
EX-KA06ME-2					62B00	01.40	
EX-KA06ME-T2 (4G)					62B01	01.61	
EX-KA06ME-T2 (2G)					62B02	01.61	
SSSC-MM-256M					7AB02	01.50	
SSSC-MM-512M					7AB00	01.50	
SSSC-MM-2G					7AB01	01.50	
SSSC-MM-4G					7AB03	01.50	
EX-MD06ME-T2 (2G)					21B02	01.58	
EX-MD06ME-T2 (4G)					21B03	01.58	
FM28F2512L30 (4CE#)					72B00	01.64	
FM28F4512L30					72B01	01.64	
FM28F4100L30					72B02	01.64	
FM28F2100L30					72B03	01.64	
FM28F4100SBL					72B04	01.64	
FM28F8100SBL					72B05	01.64	
FM28F4100CAP					72B06	01.64	
FM28F8200CAP					72B07	01.64	
FM28F2100CAP					72B09	01.64	