

# Micromaster LV48 Universal Programmer



The *Micromaster LV48* is a low cost, 48-pin Universal programmer supporting a full range of memory, microcontroller and programmable logic devices. Connecting directly to a standard PC parallel port, the Micromaster LV48 is easy to install, and even easier to use. Packed with features, the LV48 is designed with the future in mind, with full support for 5, 3.3, 2.7 and 1.8V devices, all as standard. And with **free** software updates on BBS and Internet, you can always keep up to date.

## DEVICE SUPPORT

- ✓ 8 and 16 bit Memory: EPROM, Paged EPROM, Parallel & Serial EPROM, Serial EPROM and Flash, up to 64Mbit
- ✓ NVRAM and BPROMs
- ✓ Programmable Logic: PAL & GAL, PEEL, PALCE etc.
- ✓ Complex PLDs: Altera MAX, Xilinx EPLD, Vantis MACH etc.
- ✓ Peripheral Devices: PSD, FirmWare Hub etc.
- ✓ Over 300 microcontrollers: PIC, 8748/51/196, AVR, 8951, ST6, SAB-C5xx, XA-G3, Z86, MC705/711, W78Exx, COP8, TMS320/370 etc.

See full device support list for comprehensive parts listing.

All on-chip features including Security, Serialisation, Oscillator settings, Watch-Dog Timer, RAM size, Brown-Out etc. are supported and easy to select.

## LOW VOLTAGE SUPPORT

The Micromaster LV48 features low voltage logic circuits which enable correct handling of devices down to 1.8V. Rather than programming, and verifying 1.8, 2.7 or 3.3V parts at 5V as most other programmers have to, the LV48 is intelligent enough to select the correct voltage for the particular device, and most importantly, to verify the device at it's nominal operating voltage.

## BATTERY OPERATION

In addition to running from the mains adapter provided, the Micromaster LV48 also works from batteries, giving even greater flexibility.

- Works from 8 AA batteries (standard or rechargeable)
- Long battery life - Programmer powers down during periods of inactivity, & powers up only during active operations
- Built in recharging circuit
- Ideal for use with Laptops

## FEATURES

- ▶ Enhanced Universal Device support for Flash, EPROMs, EEPROMs, Serial PROMs, NVRAMs, BPROMs; PALs, GALs, CPLDs and over 400 microcontrollers
- ▶ No additional adapters required for DIP devices up to 48-pins
- ▶ FREE lifetime software upgrades from the Internet
- ▶ Supports standard 5V and Low Voltage devices down to 1.8V with +/- 5% marginal verification
- ▶ Windows® 95/98/NT4 & DOS software supplied as standard
- ▶ Major manufacturer approved
- ▶ High speed programme and verify: 28F160B3 in 30 seconds
- ▶ Universal adapters available for 44-pin PLCC, 44-pin PSOP, 44-pin QFP/TQFP and 48-pin TSOP devices
- ▶ Optional built-in 8 & 16-bit ROM/RAM Emulator cards
- ▶ Interfaces to PC parallel port: SPP or ECP
- ▶ Built in IC Tester for 74 & 4000 series, SRAM and DRAM
- ▶ Works from batteries or from adapter/recharger provided

## SPEED OF PROGRAMMING

With memory device sizes increasing, speed of programming is critical in cutting development and production times. ICE Technology has always prided itself in having the fastest device programmers possible.

Device	Time
27C512	11 secs
Intel 28F400B3	6.5 secs
Intel 28F640J5	4 min 20 secs
GAL16V8	2 secs
PIC16C54	2 secs
All times include total time to programme and verify the device	

## MORE THAN JUST A PROGRAMMER

With the Micromaster LV48, you get not only a Universal programmer, but also a tester for TTL, CMOS, DRAM and SRAM devices - all as standard. In addition to this, ROM/RAM emulator options are also available to speed up your development times.

## SOFTWARE FUNCTIONS

The software for the Micromaster LV48 operates under Windows® 9x/NT4 and DOS environments. Easy to follow step through menus provide full functionality, including:

- File load, edit and save
- Data formats: Intel Hex, Motorola S-Record, Hex Auto-Recognition TekHex, Extended TekHex, ASCII, Raw Binary, Octal, MOSTech, Altera POF, Altera JAM etc.
- Extensive Buffer editing commands
- Password protected Buffer option
- Checksum in 3 popular formats + CRC checking
- Read Device, Device Checksum, Verify Data, Verify Signature, Blank Check, Bit Test, Device Erase, Over-Programme
- Programming Options for device serialisation, marginal verify, Auto-Programme Pre-test etc.
- Hands-Free mode programming in Windows, single keystroke action in DOS, for continuous programming, reducing the margin of operator error
- Programming Successes counter
- Supports all microcontroller features including Oscillators, Brown-Out, Watch-Dog Timer, RAM size etc.
- Full Security & Encryption array support
- JEDEC Fusemap editing capability
- Edit and apply test vectors for up to 40-pins DIP/44-pins PLCC
- Checks device position in socket before applying voltages to pins
- Project option allows complete device configuration to be stored, minimising future set-up times
- Batch software enables user macros to be written for customised software interface under DOS.
- On-line Help in Windows

## BUILT IN ROM/RAM EMULATOR OPTIONS

Optional ROM/RAM Emulator cards turn the Micromaster LV48 into a powerful development tool. The cards fit inside the programmer and are available in 8 or 16-bit formats.

Full details on the LVEC built in emulators are available on the Emulator data sheet.

## MANUFACTURER APPROVED

All device algorithms are implemented using only manufacturer approved programming specifications. ICE Technology works very closely with all of the semiconductor vendors to ensure the complete integrity and reliability of the algorithms.

The Micromaster LV48 programmer has been officially approved by a number of major manufacturers including AMD, Atmel and Microchip. Many other silicon vendors recommend the unit as a development tool, including Altera, Fairchild, Fujitsu, ICT, Infineon, Intel, Macronix, Motorola, National Semiconductor, ST Microelectronics, Siemens, SST, Winbond and Xilinx.

## SOFTWARE UPDATES

FREE software updates are available from our Web page, and can be downloaded at any time, giving you the very latest software revisions at no extra charge. In addition, custom software and device support is also available.

## ENVIRONMENTAL SPECIFICATIONS

### **CE Compliance :**

The Micromaster LV48 complies to the requirements of the Low Voltage Directive 73/23/EEC and EMC directive 89/336/EEC. It was tested to and met the following standards:

- EN 55022 Emission Test (Class A)
- EN 50082-1 Immunity Tests
- FCC Level B

### **Temperature :**

- +41°F to +104°F (+5°C to +40°C)

### **Safety Standards :**

- UL1950, TUV EN60950

### **Humidity :**

- 20% to 80% RH non-condensing

For further information, availability & pricing details, contact:

### **ICE Technology Ltd.**

Unit 4, Penistone Court, Sheffield Road  
Penistone, Sheffield. S36 6HP. UK

tel:+44(0)1226 767404 • fax:+44(0)1226 370434

email : sales@icetech.com

### **ICE Technology Inc.**

PMB 309, 5380 Gulf of Mexico Drive  
Longboat Key, FL34228. USA

tel:1 (941) 387 8166 • fax:1 (941) 387 9305

email : icetechusa@icetech.com

## PACKAGE ADAPTERS

Any device up to 48-pins in DIP packaging is supported without the need for any additional adapter or module. However, a range of high quality socket adapters is available to support surface mount parts: PLCC, QFP, SOIC, TSOP, PSOP etc. See price list for full details.

## GUARANTEE & SUPPORT

- Full refund if not completely satisfied within 30-days
- Full one year warranty
- Selftest software provided for full hardware and firmware diagnostics
- FREE lifetime technical support & software upgrades

## PHYSICAL SPECIFICATIONS

- Software operates under Windows® 9x/NT4 or DOS on any PC with parallel port support
- Hard-Disk requirement: 6MB
- Dimensions: 9.5" x 6" x 2" (24 x 15 x 5 cm)
- Weight: approx. 2lbs (1kg)
- Shipping weight: 6lbs (3kg)

### **Package Includes:**

- Programmer
- DOS/Windows
- Mains adapter
- PC software
- Parallel Cable
- Fault diagnostic
- Installation Guide
- software

### **Options:**

- ROM/RAM Emulator card
- Range of package adapters
- Mains adapters for other voltages (UK, USA, Euro, Japan available)

## ORDERING INFORMATION

MMLV48-xxx

xxx = mains supply: UK:240V,  
EUR:230V, JAP:100V, USA:115V

**Designed & Manufactured in the UK**

E&EO ICE Technology reserve the right to alter specifications of the products advertised without notice.



**SALES/INFORMATION HOTLINE:**

**+44 (0)1226 767404**

**MicroMaster LV48  
DEVICE SUPPORT LIST  
© ICE Technology Ltd  
March 24 2000**

DIP devices of 40 pins or less are supported without the need of ANY adaptor.  
 Adapter number (see adaptor list). Required for PLCC, SOIC or greater than 40 pins.  
 Parts ending with -conv can be programmed to function like the appropriate part in the conversion list at the end of this document.

## ALLIANCE

### EEPROMS/FLASH/NVRAM

AS29F040(PLCC) (15)	AS29F040(TSOP) (16)	AS29LV800B(PSOP) (42)	AS29LV800B(TSOP) (52)
AS29LV800T(PSOP) (42)	AS29LV800T(TSOP) (52)		

## ALTERA

### SERIAL (E)EPROMS

EPC1(DIP)	EPC1(PLCC)	EPC1064(DIP)	EPC1064(PLCC)
EPC1064V(DIP)	EPC1064V(PLCC)	EPC1213(DIP)	EPC1213(PLCC)
EPC1441(DIP)	EPC1441(PLCC)		

### PALS

EP1800(PLCC) (69)	EP1810(PLCC) (69)	EP1830(PLCC) (69)	EP310
EP320	EP330	EP600(DIP)	EP600(PLCC)
EP610(DIP)	EP610(PLCC)	EP630(DIP)	EP630(PLCC)
EP900(DIP)	EP900(PLCC) (23)	EP910(DIP)	EP910(PLCC) (23)
EPM5016	EPM5032	EPM5064(PLCC) (31)	EPM5128(PLCC) (70)
EPM7032(PLCC) (32)	EPM7032S(ISP CABLE) (90)	EPM7032S(PLCC) (33)	EPM7032S(QFP) (45)
EPM7032S(THINQFP) (47)	EPM7064S(ISP CABLE) (90)	EPM7064S(PLCC) (72)	EPM7064S(QFP) (1)
EPM7064S(THINQFP) (47)	EPM7096S(ISP CABLE) (90)	EPM7096S(PLCC) (72)	EPM7096S(QFP) (1)
EPM7096S(THINQFP) (2)	EPM7128S(ISP CABLE) (90)	EPM7128S(PLCC) (80)	EPM7128S(QFP) (1)
EPM7128S(THINQFP) (2)	EPM7160S(ISP CABLE) (90)	EPM7160S(PLCC) (80)	EPM7160S(QFP) (1)
EPM7160S(THINQFP) (2)	EPM7192S(ISP CABLE) (90)	EPM7256S(ISP CABLE) (90)	EPM9320(ISP CABLE) (90)
EPM9320(PLCC) (80)	EPM9400(ISP CABLE) (90)	EPM9400(PLCC) (80)	EPM9480(ISP CABLE) (90)
EPM9560(ISP CABLE) (90)			

## AMD

### EPROMS

Am27C010(DIP)	Am27C010(PLCC) (15)	Am27C020(DIP)	Am27C020(PLCC) (15)
Am27C020(TSOP) (16)	Am27C040(DIP)	Am27C040(PLCC) (15)	Am27C040(TSOP) (16)
Am27C100	Am27C1024(DIP)	Am27C1024(PLCC) (23)	Am27C128(DIP)
Am27C128(PLCC) (14)	Am27C2048(DIP)	Am27C2048(PLCC) (23)	Am27C256(DIP)
Am27C256(PLCC) (14)	Am27C4096(DIP)	Am27C4096(PLCC) (23)	Am27C512(DIP)
Am27C512(PLCC) (14)	Am27C512L(DIP)	Am27C512L(PLCC) (14)	Am27C64(DIP)
Am27C64(PLCC) (14)	Am27H010(DIP)	Am27H010(PLCC) (15)	Am27H256(DIP)
Am27H256(PLCC) (14)	Am27HB010(DIP)	Am27HB010(PLCC) (15)	Am27LV010(DIP)
Am27LV010(PLCC) (15)	Am27LV010(TSOP) (16)	Am27LV010B(DIP)	Am27LV010B(PLCC) (15)
Am27LV010B(TSOP) (16)	Am27LV020(DIP)	Am27LV020(PLCC) (15)	Am27LV020(TSOP) (16)
Am27LV020B(DIP)	Am27LV020B(PLCC) (15)	Am27LV020B(TSOP) (16)	

### MICROCONTROLLERS

D8751H(DIP)	D8751H(PLCC) (23)	D8753H(DIP)	D8753H(PLCC) (23)
D87C51(DIP)	D87C51(PLCC) (23)		

### BPROMS

27PS191	27PS191A	27PS291	27PS291A
27S13	27S13A	27S185	27S185A
27S19	27S191	27S191A	27S191SA
27S21	27S21A	27S29	27S291
27S291A	27S291SA	27S29A	27S29SA
27S33	27S33A		

### PALS

AmPAL16L8-4(DIP)	AmPAL16L8-4(PLCC) (4)	AmPAL16L8-5(DIP)	AmPAL16L8-5(PLCC) (4)
AmPAL16L8-7(DIP)	AmPAL16L8-7(PLCC) (4)	AmPAL16L8D/2(DIP)	AmPAL16L8D/2(PLCC) (4)
AmPAL16R4-4(DIP)	AmPAL16R4-4(PLCC) (4)	AmPAL16R4-5(DIP)	AmPAL16R4-5(PLCC) (4)
AmPAL16R4-7(DIP)	AmPAL16R4-7(PLCC) (4)	AmPAL16R4D/2(DIP)	AmPAL16R4D/2(PLCC) (4)
AmPAL16R6-4(DIP)	AmPAL16R6-4(PLCC) (4)	AmPAL16R6-5(DIP)	AmPAL16R6-5(PLCC) (4)
AmPAL16R6-7(DIP)	AmPAL16R6-7(PLCC) (4)	AmPAL16R6D/2(DIP)	AmPAL16R6D/2(PLCC) (4)
AmPAL16R8-4(DIP)	AmPAL16R8-4(PLCC) (4)	AmPAL16R8-5(DIP)	AmPAL16R8-5(PLCC) (4)
AmPAL16R8-7(DIP)	AmPAL16R8-7(PLCC) (4)	AmPAL16R8D/2(DIP)	AmPAL16R8D/2(PLCC) (4)
AmPAL18P8(DIP)	AmPAL18P8(PLCC) (4)	AmPAL20L10(DIP)	AmPAL20L10(PLCC)
AmPAL20L10A(DIP)	AmPAL20L10A(PLCC)	AmPAL20L8-10/2(DIP)	AmPAL20L8-10/2(PLCC)
AmPAL20L8-5(DIP)	AmPAL20L8-5(PLCC)	AmPAL20L8-7(DIP)	AmPAL20L8-7(PLCC)
AmPAL20R4-10/2(DIP)	AmPAL20R4-10/2(PLCC)	AmPAL20R4-5(DIP)	AmPAL20R4-5(PLCC)
AmPAL20R4-7(DIP)	AmPAL20R4-7(PLCC)	AmPAL20R6-10/2(DIP)	AmPAL20R6-10/2(PLCC)
AmPAL20R6-5(DIP)	AmPAL20R6-5(PLCC)	AmPAL20R6-7(DIP)	AmPAL20R6-7(PLCC)
AmPAL20R8-10/2(DIP)	AmPAL20R8-10/2(PLCC)	AmPAL20R8-5(DIP)	AmPAL20R8-5(PLCC)
AmPAL20R8-7(DIP)	AmPAL20R8-7(PLCC)	AmPAL22V10(DIP)	AmPAL22V10(PLCC)
AmPAL23S8			

## AMD Flash (FOX0)

### EEPROMS/FLASH/NVRAM

Am29F010(DIP)	Am29F010(PLCC) (15)	Am29F010(TSOP) (16)	Am29F010A(DIP)
Am29F010A(PLCC) (15)	Am29F010A(TSOP) (16)	Am29F010B(DIP)	Am29F010B(PLCC) (15)
Am29F010B(TSOP) (16)	Am29F040(DIP)	Am29F040(PLCC) (15)	Am29F040(TSOP) (16)
Am29F040B(DIP)	Am29F040B(PLCC) (15)	Am29F040B(TSOP) (16)	Am29F080B(PSOP) (42)
Am29F080B(TSOP) (18)			

## AMD Flash (FOXx)

### EEPROMS/FLASH/NVRAM

Am29F002B(DIP)	Am29F002B(PLCC) (15)	Am29F002B(TSOP) (16)	Am29F002BB(DIP)
Am29F002BB(PLCC) (15)	Am29F002BB(TSOP) (16)	Am29F002BT(DIP)	Am29F002BT(PLCC) (15)
Am29F002BT(TSOP) (16)	Am29F002NB(DIP)	Am29F002NB(PLCC) (15)	Am29F002NB(TSOP) (16)
Am29F002NBB(DIP)	Am29F002NBB(PLCC) (15)	Am29F002NBB(TSOP) (16)	Am29F002NBT(DIP)
Am29F002NBT(PLCC) (15)	Am29F002NBT(TSOP) (16)	Am29F002NT(DIP)	Am29F002NT(PLCC) (15)
Am29F002NT(TSOP) (16)	Am29F002T(DIP)	Am29F002T(PLCC) (15)	Am29F002T(TSOP) (16)
Am29F004BB(PLCC) (15)	Am29F004BT(PLCC) (15)	Am29F016B(PSOP) (42)	Am29F016B(TSOP) (18)

---

**AMD Flash (FOXX) ...****EEPROMS/FLASH/NVRAM**

Am29F017B(PSOP) (42)	Am29F017B(TSOP) (50)	Am29F032B(PSOP) (42)	Am29F032B(TSOP) (18)
----------------------	----------------------	----------------------	----------------------

---

**AMD Flash (FX00)****EEPROMS/FLASH/NVRAM**

Am29F100B(PSOP) (42)	Am29F100B(TSOP) (52)	Am29F100T(PSOP) (42)	Am29F100T(TSOP) (52)
Am29F160DB(PSOP) (42)	Am29F160DB(TSOP) (52)	Am29F160DT(PSOP) (42)	Am29F160DT(TSOP) (52)
Am29F200AB(PSOP) (42)	Am29F200AB(TSOP) (52)	Am29F200AT(PSOP) (42)	Am29F200AT(TSOP) (52)
Am29F200B(PSOP) (42)	Am29F200B(TSOP) (52)	Am29F200BB(PSOP) (42)	Am29F200BB(TSOP) (52)
Am29F200BT(PSOP) (42)	Am29F200BT(TSOP) (52)	Am29F200T(PSOP) (42)	Am29F200T(TSOP) (52)
Am29F400AB(PSOP) (42)	Am29F400AB(TSOP) (52)	Am29F400AT(PSOP) (42)	Am29F400AT(TSOP) (52)
Am29F400B(PSOP) (42)	Am29F400B(TSOP) (52)	Am29F400BB(PSOP) (42)	Am29F400BB(TSOP) (52)
Am29F400BT(PSOP) (42)	Am29F400BT(TSOP) (52)	Am29F400T(PSOP) (42)	Am29F400T(TSOP) (52)
Am29F800AB(PSOP) (42)	Am29F800AB(TSOP) (52)	Am29F800AT(PSOP) (42)	Am29F800AT(TSOP) (52)
Am29F800BB(PSOP) (42)	Am29F800BB(TSOP) (52)	Am29F800BT(PSOP) (42)	Am29F800BT(TSOP) (52)

---

**AMD Flash EEPROM (AM28F)****EEPROMS/FLASH/NVRAM**

Am2864AE	Am2864BE	Am28F010(DIP)	Am28F010(PLCC) (15)
Am28F010(TSOP) (16)	Am28F010A(DIP)	Am28F010A(PLCC) (15)	Am28F010A(TSOP) (16)
Am28F020(DIP)	Am28F020(PLCC) (15)	Am28F020(TSOP) (16)	Am28F020A(DIP)
Am28F020A(PLCC) (15)	Am28F020A(TSOP) (16)	Am28F256(DIP)	Am28F256(PLCC) (15)
Am28F256(TSOP) (16)	Am28F256A(DIP)	Am28F256A(PLCC) (15)	Am28F256A(TSOP) (16)
Am28F512(DIP)	Am28F512(PLCC) (15)	Am28F512(TSOP) (16)	Am28F512A(DIP)
Am28F512A(PLCC) (15)	Am28F512A(TSOP) (16)		

---

**AMD Low Voltage (LV0X0)****EEPROMS/FLASH/NVRAM**

Am29LV010B(PLCC) (15)	Am29LV010B(TSOP) (16)	Am29LV040(PLCC) (15)	Am29LV040(TSOP) (16)
Am29LV040A(PLCC) (15)	Am29LV040A(TSOP) (16)	Am29LV040B(PLCC) (15)	Am29LV040B(TSOP) (16)

---

**AMD Low Voltage (LV0XX)****EEPROMS/FLASH/NVRAM**

Am29LV001BB(PLCC) (15)	Am29LV001BB(TSOP) (16)	Am29LV001BT(PLCC) (15)	Am29LV001BT(TSOP) (16)
Am29LV002B(TSOP) (18)	Am29LV002BB(TSOP) (18)	Am29LV002BT(TSOP) (18)	Am29LV002T(TSOP) (18)
Am29LV004B(TSOP) (18)	Am29LV004T(TSOP) (18)	Am29LV008B(TSOP) (18)	Am29LV008BB(TSOP) (18)
Am29LV008BT(TSOP) (18)	Am29LV008T(TSOP) (18)	Am29LV017B(TSOP) (18)	Am29LV017D(TSOP) (18)
Am29LV081B(TSOP) (18)	Am29LV116BB(TSOP) (18)	Am29LV116BT(TSOP) (18)	Am29LV116DB(TSOP) (18)
Am29LV116DT(TSOP) (18)			

---

**AMD Low Voltage (LVX00)****EEPROMS/FLASH/NVRAM**

Am29LV160BB(PSOP) (42)	Am29LV160BB(TSOP) (52)	Am29LV160BT(PSOP) (42)	Am29LV160BT(TSOP) (52)
Am29LV160DB(PSOP) (42)	Am29LV160DB(TSOP) (52)	Am29LV160DT(PSOP) (42)	Am29LV160DT(TSOP) (52)
Am29LV200BB(PSOP) (42)	Am29LV200BB(TSOP) (52)	Am29LV200BT(PSOP) (42)	Am29LV200BT(TSOP) (52)
Am29LV400BB(PSOP) (42)	Am29LV400BB(TSOP) (52)	Am29LV400BT(PSOP) (42)	Am29LV400BT(TSOP) (52)
Am29LV800BB(PSOP) (42)	Am29LV800BB(TSOP) (52)	Am29LV800BT(PSOP) (42)	Am29LV800BT(TSOP) (52)

---

**AMD MACH****PALS**

MACH110(PLCC) (34)	MACH120(PLCC) (73)	MACH130(PLCC) (81)	MACH131(PLCC) (81)
MACH210(PLCC) (34)	MACH211(PLCC) (34)	MACH215(PLCC) (34)	MACH220(PLCC) (73)
MACH230(PLCC) (81)	MACH231(PLCC) (81)	MACHLV210(PLCC) (34)	

---

**AMD PALCE/LV****PALS**

PALCE16V8 H-5/5(PLCC) (4)	PALCE16V8H-10/4(DIP)	PALCE16V8H-10/4(PLCC) (4)	PALCE16V8H-10/4(SOIC) (12)
PALCE16V8H-15(DIP)	PALCE16V8H-15(PLCC) (4)	PALCE16V8H-15(SOIC) (12)	PALCE16V8H-15/4(DIP)
PALCE16V8H-15/4(PLCC) (4)	PALCE16V8H-15/4(SOIC) (12)	PALCE16V8H-25(DIP)	PALCE16V8H-25(PLCC) (4)
PALCE16V8H-25(SOIC) (12)	PALCE16V8H-25/4(PLCC) (4)	PALCE16V8H-25/4(PLCC) (4)	PALCE16V8H-25/4(SOIC) (12)
PALCE16V8H-7/5(DIP)	PALCE16V8H-7/5(PLCC) (4)	PALCE16V8H-conv(1)	PALCE16V8Q-10/5(DIP)
PALCE16V8Q-10/5(PLCC) (4)	PALCE16V8Q-10/5(SOIC) (12)	PALCE16V8Q-15(DIP)	PALCE16V8Q-15(PLCC) (4)
PALCE16V8Q-15/4(DIP)	PALCE16V8Q-15/4(PLCC) (4)	PALCE16V8Q-20(DIP)	PALCE16V8Q-20(PLCC) (4)
PALCE16V8Q-20/4(DIP)	PALCE16V8Q-20/4(PLCC) (4)	PALCE16V8Q-25(DIP)	PALCE16V8Q-25(PLCC) (4)
PALCE16V8Q-25/4(DIP)	PALCE16V8Q-25/4(PLCC) (4)	PALCE16V8Z12(DIP)	PALCE16V8Z12(PLCC) (4)
PALCE16V8Z-15/5(DIP)	PALCE16V8Z-15/5(PLCC) (4)	PALCE16V8Z-25/4(DIP)	PALCE16V8Z-25/4(PLCC) (4)
PALCE20V8-conv(2)	PALCE20V8H-10(DIP)	PALCE20V8H-10(PLCC)	PALCE20V8H-10/4(DIP)
PALCE20V8H-10/4(PLCC)	PALCE20V8H-15(DIP)	PALCE20V8H-15(PLCC)	PALCE20V8H-15/4(DIP)
PALCE20V8H-15/4(PLCC)	PALCE20V8H-25(DIP)	PALCE20V8H-25(PLCC)	PALCE20V8H-25/4(DIP)
PALCE20V8H-25/4(PLCC)	PALCE20V8H-5/5(PLCC)	PALCE20V8H-7(DIP)	PALCE20V8H-7(PLCC)
PALCE20V8H-7/4(DIP)	PALCE20V8H-7/4(PLCC)	PALCE20V8H-7/5(DIP)	PALCE20V8H-7/5(PLCC)
PALCE20V8Q-10(DIP)	PALCE20V8Q-10(PLCC)	PALCE20V8Q-10/4(DIP)	PALCE20V8Q-10/4(PLCC)
PALCE20V8Q-10/5(DIP)	PALCE20V8Q-10/5(PLCC)	PALCE20V8Q-15(DIP)	PALCE20V8Q-15(PLCC)
PALCE20V8Q-15/4(DIP)	PALCE20V8Q-15/4(PLCC)	PALCE20V8Q-20(DIP)	PALCE20V8Q-20(PLCC)
PALCE20V8Q-20/4(DIP)	PALCE20V8Q-20/4(PLCC)	PALCE20V8Q-25(DIP)	PALCE20V8Q-25(PLCC)
PALCE20V8Q-25/4(DIP)	PALCE20V8Q-25/4(PLCC)	PALCE22V10-5/5(PLCC)	PALCE22V10H-10/5(DIP)
PALCE22V10H-10/5(PLCC)	PALCE22V10H-10/5(SOIC) (12)	PALCE22V10H-15(DIP)	PALCE22V10H-15(PLCC)
PALCE22V10H-15/4(DIP)	PALCE22V10H-15/4(PLCC)	PALCE22V10H-15/5(DIP)	PALCE22V10H-15/5(PLCC)
PALCE22V10H-20/4(DIP)	PALCE22V10H-20/4(PLCC)	PALCE22V10H-25(DIP)	PALCE22V10H-25(PLCC)
PALCE22V10H-25(SOIC) (12)	PALCE22V10H-25/4(DIP)	PALCE22V10H-25/4(PLCC)	PALCE22V10H-25/4(SOIC) (12)
PALCE22V10H-7/5(DIP)	PALCE22V10H-7/5(PLCC)	PALCE22V10Q-10/5(DIP)	PALCE22V10Q-10/5(PLCC)
PALCE22V10Q-15/5(DIP)	PALCE22V10Q-15/5(PLCC)	PALCE22V10Q-25(DIP)	PALCE22V10Q-25(PLCC)
PALCE22V10Q-25/4(DIP)	PALCE22V10Q-25/4(PLCC)	PALCE22V10Z-15/5(DIP)	PALCE22V10Z-15/5(PLCC)
PALCE22V10Z-25/5(DIP)	PALCE22V10Z-25/5(PLCC)	PALCE22V10Z-25/5(SOIC) (12)	PALCE26V12H-10/4(DIP)
PALCE26V12H-10/4(PLCC) (9)	PALCE26V12H-15/4(PLCC)	PALCE26V12H-15/4(PLCC) (9)	PALCE26V12H-20/4(DIP)
PALCE26V12H-20/4(PLCC) (9)	PALCE26V12H-7/4(PLCC) (9)	PALCE29M16/4(DIP)	PALCE29M16/4(PLCC)
PALCE29MA16/4(DIP)	PALCE29MA16/4(PLCC)	PALCE610	PALLV16V8-10/5(DIP)
PALLV16V8-10/5(PLCC) (4)	PALLV16V8Z-25/5(DIP)	PALLV16V8Z-25/5(PLCC) (4)	PALLV16V8Z-30/4(DIP)

AMD PALCE/LV ...

PALS			
PALLV16V8Z-30/4(PLCC) (4)	PALLV22V10(DIP)	PALLV22V10(PLCC)	PALLV22V10Z-15(DIP)
PALLV22V10Z-15(PLCC)	PALLV22V10Z-25(DIP)	PALLV22V10Z-25(PLCC)	

AMD Simultaneous Operation (DLX00)

EEPROMS/FLASH/NVRAM			
Am29DL163CB Factory(TSOP) (52)	Am29DL163CB(TSOP) (52)	Am29DL163CT Factory(TSOP) (52)	Am29DL163CT(TSOP) (52)
Am29DL322CB Factory(TSOP) (52)	Am29DL322CB(TSOP) (52)	Am29DL322CT Factory(TSOP) (52)	Am29DL322CT(TSOP) (52)
Am29DL323CB Factory(TSOP) (52)	Am29DL323CB(TSOP) (52)	Am29DL323CT Factory(TSOP) (52)	Am29DL323CT(TSOP) (52)
Am29DL323DB Factory(TSOP) (52)	Am29DL323DB(TSOP) (52)	Am29DL323DT Factory(TSOP) (52)	Am29DL323DT(TSOP) (52)
Am29DL400BB(PSOP) (42)	Am29DL400BB(TSOP) (52)	Am29DL400BT(PSOP) (42)	Am29DL400BT(TSOP) (52)
Am29DL800BB(PSOP) (42)	Am29DL800BB(TSOP) (52)	Am29DL800BT(PSOP) (42)	Am29DL800BT(TSOP) (52)

AMD Super Low Voltage (SLX00)

EEPROMS/FLASH/NVRAM			
Am29SL800BB(TSOP) (52)	Am29SL800BT(TSOP) (52)	Am29SL800CB(TSOP) (52)	Am29SL800CT(TSOP) (52)

AMD(old)

EPROMS			
Am27128A-D	Am27128A-P	Am27128-D	Am2716
Am2716B-D	Am2716B-P	Am2716-P	Am27256-D
Am27256-P	Am2732A-D	Am2732A-P	Am2732B-D
Am2732B-P	Am2732-D	Am2732-P	Am27512-P
Am2764A-D	Am2764A-P	Am2764-D	Am2764-P
Am27C010-D	Am27C010-P	Am27C020-D	Am27C020-P
Am27C040	Am27C1024-D(DIP)	Am27C1024-D(PLCC) (23)	Am27C1024-P(DIP)
Am27C1024-P(PLCC) (23)	Am27C128-D	Am27C128-P	Am27C2048-D(DIP)
Am27C2048-D(PLCC) (23)	Am27C2048-P(DIP)	Am27C2048-P(PLCC) (23)	Am27C256-D
Am27C256-P	Am27C512-D	Am27C512-P	Am27C64-D
Am27C64-P	Am27H010	Am9716	Am9732
Am9732A	Am9764		

AMI

PALS			
PEEL153	PEEL173	PEEL18CV8	PEEL18CV8L
PEEL20CG10	PEEL20CG10A	PEEL20CG10AL	PEEL22CV10
PEEL22CV10A	PEEL22CV10A+	PEEL22CV10AL	PEEL22CV10Z
PEEL253	PEEL273		

ASI

EPROMS			
27C010	27C256	27C512	

AT&T

SERIAL (E)EPROMS			
ATT17128(DIP)	ATT17128(PLCC)	ATT17128(SOIC) (3)	ATT1736(DIP)
ATT1736(PLCC)	ATT1736(SOIC) (3)	ATT1736A(DIP)	ATT1736A(SOIC) (3)
ATT1765(DIP)	ATT1765(PLCC)	ATT1765(SOIC) (3)	ATT1765A(DIP)
ATT1765A(SOIC) (3)			

ATMEL

EPROMS			
AT27256	AT27BV400(PLCC) (23)	AT27BV400(PSOP) (42)	AT27BV400(TSOP) (52)
AT27BV800(PLCC) (23)	AT27BV800(PSOP) (42)	AT27BV800(TSOP) (52)	AT27C010L(DIP)
AT27C010L(PLCC) (15)	AT27C010L(TSOP) (16)	AT27C011	AT27C020(DIP)
AT27C020(PLCC) (15)	AT27C040(DIP)	AT27C040(PLCC) (15)	AT27C080(DIP)
AT27C080(TSOP) (16)	AT27C1024L(DIP)	AT27C1024L(PLCC) (23)	AT27C128
AT27C2048(DIP)	AT27C2048(PLCC) (23)	AT27C256(DIP)	AT27C256(PLCC) (14)
AT27C256(SOIC) (12)	AT27C256R(DIP)	AT27C256R(PLCC) (14)	AT27C256R(SOIC) (12)
AT27C400(PLCC) (23)	AT27C400(PSOP) (42)	AT27C400(TSOP) (52)	AT27C4096(DIP)
AT27C4096(PLCC) (23)	AT27C512(DIP)	AT27C512(PLCC) (14)	AT27C512(SOIC) (12)
AT27C512(TSOP)	AT27C512R(DIP)	AT27C512R(PLCC) (14)	AT27C512R(SOIC) (12)
AT27C512R(TSOP)	AT27C513	AT27C513R	AT27C516(PLCC) (23)
AT27C64	AT27C800(PLCC) (23)	AT27C800(PSOP) (42)	AT27C800(TSOP) (52)
AT27HC1024(DIP)	AT27HC1024(PLCC) (23)	AT27HC256L	AT27HC641
AT27HC642	AT27HC64L	AT27LV010(DIP)	AT27LV010(PLCC) (15)
AT27LV010(TSOP) (16)	AT27LV010A(DIP)	AT27LV010A(PLCC) (15)	AT27LV010A(TSOP) (16)
AT27LV020(DIP)	AT27LV020(PLCC) (15)	AT27LV020A(DIP)	AT27LV020A(PLCC) (15)
AT27LV040(DIP)	AT27LV040(PLCC) (15)	AT27LV040A(DIP)	AT27LV040A(PLCC) (15)
AT27LV1024(DIP)	AT27LV1024(PLCC) (23)	AT27LV256(DIP)	AT27LV256(PLCC) (14)
AT27LV256(SOIC) (12)	AT27LV256(TSOP)	AT27LV256A(DIP)	AT27LV256A(PLCC) (14)
AT27LV256A(SOIC) (12)	AT27LV256A(TSOP)	AT27LV256R(DIP)	AT27LV256R(PLCC) (14)
AT27LV256R(SOIC) (12)	AT27LV256R(TSOP)	AT27LV4096(DIP)	AT27LV4096(PLCC) (23)
AT27LV512A(DIP)	AT27LV512A(PLCC) (14)	AT27LV512A(SOIC) (12)	AT27LV512A(TSOP)
SERIAL (E)EPROMS			
AT17C010(PLCC) (4)	AT17C010A(PLCC) (4)	AT17C020(PLCC) (4)	AT17C128(DIP)
AT17C128(PLCC)	AT17C128A(PLCC)	AT17C256(DIP)	AT17C256(PLCC)
AT17C256A(PLCC)	AT17C512(PLCC) (4)	AT17C512A(PLCC) (4)	AT17C65(DIP)
AT17C65(PLCC)	AT17C65A(PLCC)	AT17LV010(PLCC) (4)	AT17LV010A(PLCC) (4)
AT17LV020(PLCC) (4)	AT17LV128(DIP)	AT17LV128(PLCC)	AT17LV256(DIP)
AT17LV256(PLCC)	AT17LV512(PLCC) (4)	AT17LV512A(PLCC) (4)	AT17LV65(DIP)
AT17LV65(PLCC)	AT24C01(DIP)	AT24C01(SOIC) (3)	AT24C01A(DIP)
AT24C01A(SOIC) (3)	AT24C02(DIP)	AT24C02(SOIC) (3)	AT24C04(DIP)
AT24C04(SOIC) (3)	AT24C08(DIP)	AT24C08(SOIC) (3)	AT24C128
AT24C16(DIP)	AT24C16(SOIC) (3)	AT24C164(DIP)	AT24C164(SOIC) (3)
AT24C256	AT24C32(DIP)	AT24C32(SOIC) (3)	AT24C64(DIP)
AT24C64(SOIC) (3)	AT25010(DIP)	AT25010(SOIC) (3)	AT25020(DIP)
AT25020(SOIC) (3)	AT25040(DIP)	AT25040(SOIC) (3)	AT25320(DIP)



---

## ATMEL ...

### SERIAL (E)EPROMS

AT25320(SOIC) (3)	AT25640(DIP)	AT25640(SOIC) (3)	AT34C128
AT59C11	AT59C13	AT93C46(DIP)	AT93C46(SOIC) (3)
AT93C46A(DIP)	AT93C46A(SOIC) (3)	AT93C56(DIP)	AT93C56(SOIC) (3)
AT93C57(DIP)	AT93C57(SOIC) (3)	AT93C66(DIP)	AT93C66(SOIC) (3)

### PALS

AT22LV10(DIP)	AT22LV10(PLCC)	AT22LV10(SOIC) (12)	AT22LV10L(DIP)
AT22LV10L(PLCC)	AT22LV10L(SOIC) (12)	AT22V10(DIP)	AT22V10(PLCC)
AT22V10(SOIC) (12)	AT22V10B(DIP)	AT22V10B(PLCC)	AT22V10B(SOIC) (12)
ATF1500(PLCC) (23)	ATF1500-QFP(QFP) (44)	ATF16LV8C(DIP)	ATF16LV8C(PLCC) (4)
ATF16LV8C(SOIC) (12)	ATF16LV8CEXT(DIP)	ATF16LV8CEXT(PLCC) (4)	ATF16LV8CEXT(SOIC) (12)
ATF16V8B(DIP)	ATF16V8B(PLCC) (4)	ATF16V8B(SOIC) (12)	ATF16V8B-conv(1)
ATF16V8BL(DIP)	ATF16V8BL(PLCC) (4)	ATF16V8BL(SOIC) (12)	ATF16V8BQ(DIP)
ATF16V8BQ(PLCC) (4)	ATF16V8BQ(SOIC) (12)	ATF16V8BQ(DIP)	ATF16V8BQ(PLCC) (4)
ATF16V8BQL(SOIC) (12)	ATF16V8C(DIP)	ATF16V8C(PLCC) (4)	ATF16V8C(SOIC) (12)
ATF16V8CEXT(DIP)	ATF16V8CEXT(PLCC) (4)	ATF16V8CEXT(SOIC) (12)	ATF16V8CZ(DIP)
ATF16V8CZ(PLCC) (4)	ATF16V8CZ(SOIC) (12)	ATF20V8B(DIP)	ATF20V8B(PLCC)
ATF20V8B(SOIC) (12)	ATF20V8B-conv(2)	ATF20V8BL(DIP)	ATF20V8BL(PLCC)
ATF20V8BL(SOIC) (12)	ATF20V8BQ(DIP)	ATF20V8BQ(PLCC)	ATF20V8BQ(SOIC) (12)
ATF20V8BQL(DIP)	ATF20V8BQL(PLCC)	ATF20V8BQL(SOIC) (12)	ATF22LV10C(DIP)
ATF22LV10C(PLCC)	ATF22LV10C(SOIC) (12)	ATF22LV10C(UES)(DIP)	ATF22LV10C(UES)(PLCC)
ATF22LV10C(UES)(SOIC) (12)	ATF22LV10CEXT(DIP)	ATF22LV10CEXT(PLCC)	ATF22LV10CEXT(SOIC) (12)
ATF22LV10CZ(DIP)	ATF22LV10CZ(PLCC)	ATF22LV10CZ(SOIC) (12)	ATF22LV10CZ(UES)(DIP)
ATF22LV10CZ(UES)(PLCC)	ATF22LV10CZ(UES)(SOIC) (12)	ATF22V10B(DIP)	ATF22V10B(PLCC)
ATF22V10B(SOIC) (12)	ATF22V10BL(DIP)	ATF22V10BL(PLCC)	ATF22V10BL(SOIC) (12)
ATF22V10BQ(DIP)	ATF22V10BQ(PLCC)	ATF22V10BQ(SOIC) (12)	ATF22V10BQL(DIP)
ATF22V10BQL(PLCC)	ATF22V10BQL(SOIC) (12)	ATF22V10C(DIP)	ATF22V10C(PLCC)
ATF22V10C(SOIC) (12)	ATF22V10C(UES)(DIP)	ATF22V10C(UES)(PLCC)	ATF22V10C(UES)(SOIC) (12)
ATF22V10CEXT(DIP)	ATF22V10CEXT(PLCC)	ATF22V10CEXT(SOIC) (12)	ATF22V10CZ(DIP)
ATF22V10CZ(PLCC)	ATF22V10CZ(SOIC) (12)	ATF22V10CZ(UES)(DIP)	ATF22V10CZ(UES)(PLCC)
ATF22V10CZ(UES)(SOIC) (12)	ATV2500(DIP)	ATV2500(PLCC) (23)	ATV750(DIP)
ATV750(PLCC)	ATV750(SOIC) (12)		

---

## ATMEL AVR Microcontrollers (AT90)

### MICROCONTROLLERS

AT90LS2323(DIP)	AT90LS2323(SOIC) (7)	AT90LS2343(DIP)	AT90LS2343(SOIC) (7)
AT90LS4434(DIP)	AT90LS4434(PLCC) (23)	AT90LS4434(THINQFP) (46)	AT90LS8535(DIP)
AT90LS8535(PLCC) (23)	AT90LS8535(THINQFP) (46)	AT90S1200(DIP)	AT90S1200(SOIC) (12)
AT90S2313(DIP)	AT90S2313(SOIC) (12)	AT90S2323(DIP)	AT90S2323(SOIC) (7)
AT90S2343(DIP)	AT90S2343(SOIC) (7)	AT90S4414(DIP)	AT90S4414(PLCC) (23)
AT90S4414(THINQFP) (46)	AT90S4434(DIP)	AT90S4434(PLCC) (23)	AT90S4434(THINQFP) (46)
AT90S8515(DIP)	AT90S8515(PLCC) (23)	AT90S8515(THINQFP) (46)	AT90S8535(DIP)
AT90S8535(PLCC) (23)	AT90S8535(THINQFP) (46)	ATtiny10(DIP)	ATtiny10(SOIC) (7)
ATtiny11(DIP)	ATtiny11(SOIC) (7)	ATtiny12(DIP)	ATtiny12(SOIC) (7)

---

## ATMEL Battery Voltage (AT49BV)

### EEPROMS/FLASH/NVRAM

AT49BV008(TSOP) (18)	AT49BV008A(TSOP) (18)	AT49BV008AT(TSOP) (18)	AT49BV010(DIP)
AT49BV010(PLCC) (15)	AT49BV010(TSOP) (16)	AT49BV020(DIP)	AT49BV020(PLCC) (15)
AT49BV020(TSOP) (16)	AT49BV040(DIP)	AT49BV040(PLCC) (15)	AT49BV040(TSOP) (16)
AT49BV080(PSOP) (42)	AT49BV080(TSOP) (18)	AT49BV080T(PSOP) (42)	AT49BV080T(TSOP) (18)
AT49BV1604(TSOP) (52)	AT49BV1604T(TSOP) (52)	AT49BV1614(TSOP) (52)	AT49BV1614T(TSOP) (52)
AT49BV2048(PSOP) (42)	AT49BV2048(TSOP) (52)	AT49BV2048A(PSOP) (42)	AT49BV2048A(TSOP) (52)
AT49BV4096(PSOP) (42)	AT49BV4096(TSOP) (52)	AT49BV4096A(PSOP) (42)	AT49BV4096A(TSOP) (52)
AT49BV4096AT(PSOP) (42)	AT49BV4096AT(TSOP) (52)	AT49BV8011(TSOP) (52)	AT49BV8011T(TSOP) (52)
AT49BV8192(PSOP) (42)	AT49BV8192(TSOP) (52)	AT49BV8192T(PSOP) (42)	AT49BV8192T(TSOP) (52)

---

## ATMEL Flash (AT49F)

### EEPROMS/FLASH/NVRAM

AT49F001(DIP)	AT49F001(PLCC) (15)	AT49F001(TSOP) (16)	AT49F001N(DIP)
AT49F001N(PLCC) (15)	AT49F001N(TSOP) (16)	AT49F001NT(DIP)	AT49F001NT(PLCC) (15)
AT49F001NT(TSOP) (16)	AT49F001T(DIP)	AT49F001T(PLCC) (15)	AT49F001T(TSOP) (16)
AT49F002(DIP)	AT49F002(PLCC) (15)	AT49F002(TSOP) (16)	AT49F002N(DIP)
AT49F002N(PLCC) (15)	AT49F002N(TSOP) (16)	AT49F002NT(DIP)	AT49F002NT(PLCC) (15)
AT49F002NT(TSOP) (16)	AT49F002T(DIP)	AT49F002T(PLCC) (15)	AT49F002T(TSOP) (16)
AT49F008(TSOP) (18)	AT49F008A(TSOP) (18)	AT49F008AT(TSOP) (18)	AT49F010(DIP)
AT49F010(PLCC) (15)	AT49F010(TSOP) (16)	AT49F020(DIP)	AT49F020(PLCC) (15)
AT49F020(TSOP) (16)	AT49F040(DIP)	AT49F040(PLCC) (15)	AT49F040(TSOP) (16)
AT49F080(PSOP) (42)	AT49F080(TSOP) (18)	AT49F080T(PSOP) (42)	AT49F080T(TSOP) (18)
AT49F1025(PLCC) (23)	AT49F1604(TSOP) (52)	AT49F1604T(TSOP) (52)	AT49F1614(TSOP) (52)
AT49F1614T(TSOP) (52)	AT49F2048(PSOP) (42)	AT49F2048(TSOP) (52)	AT49F4096(PSOP) (42)
AT49F4096(TSOP) (52)	AT49F4096A(PSOP) (42)	AT49F4096A(TSOP) (52)	AT49F4096AT(PSOP) (42)
AT49F4096AT(TSOP) (52)	AT49F8011(TSOP) (52)	AT49F8011T(TSOP) (52)	AT49F8192(PSOP) (42)
AT49F8192(TSOP) (52)	AT49F8192T(PSOP) (42)	AT49F8192T(TSOP) (52)	

---

## ATMEL Flash EEPROM (AT28)

### EEPROMS/FLASH/NVRAM

AT28C010(DIP)	AT28C010(PLCC) (15)	AT28C010(TSOP) (17)	AT28C04
AT28C04E	AT28C04F	AT28C16	AT28C16E
AT28C16F	AT28C17(DIP)	AT28C17(PLCC) (14)	AT28C17E(DIP)
AT28C17E(PLCC) (14)	AT28C17F(DIP)	AT28C17F(PLCC) (14)	AT28C256(DIP)
AT28C256(PLCC) (14)	AT28C256(TSOP)	AT28C64(DIP)	AT28C64(PLCC) (14)
AT28C64(TSOP)	AT28C64B(DIP)	AT28C64B(PLCC) (14)	AT28C64B(TSOP)
AT28C64E(DIP)	AT28C64E(PLCC) (14)	AT28C64E(TSOP)	AT28C64F(DIP)
AT28C64F(PLCC) (14)	AT28C64F(TSOP)	AT28HC16	AT28HC16L
AT28HC16LN	AT28HC256(DIP)	AT28HC256(PLCC) (14)	AT28HC256(TSOP)
AT28HC256E(DIP)	AT28HC256E(PLCC) (14)	AT28HC256E(TSOP)	AT28HC256F(DIP)
AT28HC256F(PLCC) (14)	AT28HC256F(TSOP)	AT28HC256L(DIP)	AT28HC256L(PLCC) (14)

---

**ATMEL Flash EEPROM (AT28) ...****EEPROMS/FLASH/NVRAM**

AT28HC256L(TSOP)	AT28HC256LE(DIP)	AT28HC256LE(PLCC) <sup>(14)</sup>	AT28HC256LE(TSOP)
AT28HC256LF(DIP)	AT28HC256LF(PLCC) <sup>(14)</sup>	AT28HC256LF(TSOP)	AT28HC291
AT28HC64B(DIP)	AT28HC64B(PLCC) <sup>(14)</sup>	AT28HC64B(TSOP)	AT28HC64E(DIP)
AT28HC64E(PLCC) <sup>(14)</sup>	AT28HC64E(TSOP)	AT28HC64L(DIP)	AT28HC64L(PLCC) <sup>(14)</sup>
AT28HC64L(TSOP)	AT28HC64LE(DIP)	AT28HC64LE(PLCC) <sup>(14)</sup>	AT28HC64LE(TSOP)
AT28LV010(DIP)	AT28LV010(PLCC) <sup>(14)</sup>	AT28LV010(TSOP)	AT28LV256(DIP)
AT28LV256(PLCC) <sup>(14)</sup>	AT28LV256(TSOP)	AT28LV64B(DIP)	AT28LV64B(PLCC) <sup>(14)</sup>
AT28LV64B(TSOP)			

---

**ATMEL Flash Microcontrollers (AT8x)****MICROCONTROLLERS**

AT87F51(DIP)	AT87F51(PLCC) <sup>(23)</sup>	AT87F52(DIP)	AT87F52(PLCC) <sup>(23)</sup>
AT89C1051(DIP)	AT89C1051(SOIC) <sup>(12)</sup>	AT89C2051(DIP)	AT89C2051(SOIC) <sup>(12)</sup>
AT89C4051(DIP)	AT89C4051(SOIC) <sup>(12)</sup>	AT89C51 -5(DIP)	AT89C51 -5(PLCC) <sup>(23)</sup>
AT89C51(DIP)	AT89C51(PLCC) <sup>(23)</sup>	AT89C52 -5(DIP)	AT89C52 -5(PLCC) <sup>(23)</sup>
AT89C52(DIP)	AT89C52(PLCC) <sup>(23)</sup>	AT89C55 -5(DIP)	AT89C55 -5(PLCC) <sup>(23)</sup>
AT89C55(DIP)	AT89C55(PLCC) <sup>(23)</sup>	AT89LS8252(DIP)	AT89LS8252(PLCC) <sup>(23)</sup>
AT89LV51 -5(DIP)	AT89LV51 -5(PLCC) <sup>(23)</sup>	AT89LV51(DIP)	AT89LV51(PLCC) <sup>(23)</sup>
AT89LV52 -5(DIP)	AT89LV52 -5(PLCC) <sup>(23)</sup>	AT89LV52(DIP)	AT89LV52(PLCC) <sup>(23)</sup>
AT89S8252(DIP)	AT89S8252(PLCC) <sup>(23)</sup>		

---

**ATMEL Flash PEROM (AT29)****EEPROMS/FLASH/NVRAM**

AT29C010(DIP)	AT29C010(PLCC) <sup>(15)</sup>	AT29C010(TSOP) <sup>(16)</sup>	AT29C010A(DIP)
AT29C010A(PLCC) <sup>(15)</sup>	AT29C010A(TSOP) <sup>(16)</sup>	AT29C020(DIP)	AT29C020(PLCC) <sup>(15)</sup>
AT29C020(TSOP) <sup>(16)</sup>	AT29C040	AT29C040A	AT29C1024(DIP)
AT29C1024(PLCC) <sup>(23)</sup>	AT29C256(DIP)	AT29C256(PLCC) <sup>(14)</sup>	AT29C257(DIP)
AT29C257(PLCC) <sup>(15)</sup>	AT29C257(TSOP) <sup>(16)</sup>	AT29C512(DIP)	AT29C512(PLCC) <sup>(15)</sup>
AT29C512(TSOP) <sup>(16)</sup>	AT29LV010(DIP)	AT29LV010(PLCC) <sup>(15)</sup>	AT29LV010(TSOP) <sup>(16)</sup>
AT29LV010A(DIP)	AT29LV010A(PLCC) <sup>(15)</sup>	AT29LV010A(TSOP) <sup>(16)</sup>	AT29LV020(DIP)
AT29LV020(PLCC) <sup>(15)</sup>	AT29LV020(TSOP) <sup>(16)</sup>	AT29LV040	AT29LV040A
AT29LV1024(DIP)	AT29LV1024(PLCC) <sup>(23)</sup>	AT29LV256(DIP)	AT29LV256(PLCC) <sup>(14)</sup>
AT29LV512(DIP)	AT29LV512(PLCC) <sup>(15)</sup>	AT29LV512(TSOP) <sup>(16)</sup>	

---

**ATMEL Low Voltage (AT49LV)****EEPROMS/FLASH/NVRAM**

AT49LV002T(DIP)	AT49LV002T(PLCC) <sup>(15)</sup>	AT49LV002T(TSOP) <sup>(16)</sup>	AT49LV008(TSOP) <sup>(18)</sup>
AT49LV008A(TSOP) <sup>(18)</sup>	AT49LV008AT(TSOP) <sup>(18)</sup>	AT49LV010(DIP)	AT49LV010(PLCC) <sup>(15)</sup>
AT49LV010(TSOP) <sup>(16)</sup>	AT49LV020(DIP)	AT49LV020(PLCC) <sup>(15)</sup>	AT49LV020(TSOP) <sup>(16)</sup>
AT49LV040(DIP)	AT49LV040(PLCC) <sup>(15)</sup>	AT49LV040(TSOP) <sup>(16)</sup>	AT49LV080(P SOP) <sup>(42)</sup>
AT49LV080(TSOP) <sup>(18)</sup>	AT49LV080T(P SOP) <sup>(42)</sup>	AT49LV080T(TSOP) <sup>(18)</sup>	AT49LV2048(P SOP) <sup>(42)</sup>
AT49LV2048(TSOP) <sup>(52)</sup>	AT49LV4096(P SOP) <sup>(42)</sup>	AT49LV4096(TSOP) <sup>(52)</sup>	AT49LV8192(P SOP) <sup>(42)</sup>
AT49LV8192(TSOP) <sup>(52)</sup>	AT49LV8192T(P SOP) <sup>(42)</sup>	AT49LV8192T(TSOP) <sup>(52)</sup>	

---

**ATMEL Serial DataFlash (AT45)****EEPROMS/FLASH/NVRAM**

AT45D011(PLCC) <sup>(15)</sup>	AT45D011(SOIC) <sup>(12)</sup>	AT45D021(PLCC) <sup>(15)</sup>	AT45D041(PLCC) <sup>(15)</sup>
AT45D041A(PLCC) <sup>(15)</sup>	AT45D081(SOIC) <sup>(12)</sup>	AT45D081(TSOP) <sup>(16)</sup>	AT45DB011(PLCC) <sup>(15)</sup>
AT45DB011(SOIC) <sup>(12)</sup>	AT45DB021(PLCC) <sup>(15)</sup>	AT45DB041(PLCC) <sup>(15)</sup>	AT45DB041A(PLCC) <sup>(15)</sup>
AT45DB081(SOIC) <sup>(12)</sup>	AT45DB081(TSOP) <sup>(16)</sup>		

---

**BENCHMARK****EEPROMS/FLASH/NVRAM**

bq4010MA	bq4010YMA	bq4011MA	bq4011YMA
bq4013MA	bq4013YMA	bq4014MB	bq4014YMB
bq4015MB	bq4015YMB	bq4024MA	bq4024YMA

---

**BRIGHT****EEPROMS/FLASH/NVRAM**

Bm29F040(DIP)	Bm29F040(PLCC) <sup>(15)</sup>	Bm29F040(TSOP) <sup>(16)</sup>	Bm29F400B(P SOP) <sup>(42)</sup>
Bm29F400B(TSOP) <sup>(52)</sup>	Bm29F400T(P SOP) <sup>(42)</sup>	Bm29F400T(TSOP) <sup>(52)</sup>	

---

**CATALYST****EPROMS**

CAT27C210(DIP)	CAT27C210(PLCC) <sup>(23)</sup>	CAT27HC256	
----------------	---------------------------------	------------	--

**EEPROMS/FLASH/NVRAM**

CAT28C256/I(DIP)	CAT28C256/I(PLCC) <sup>(14)</sup>	CAT28C64A/I(DIP)	CAT28C64A/I(PLCC) <sup>(14)</sup>
CAT28C64A/I(SOIC) <sup>(12)</sup>	CAT28C64B/I(DIP)	CAT28C64B/I(PLCC) <sup>(14)</sup>	CAT28C64B/I(SOIC) <sup>(12)</sup>
CAT28C65A/I(DIP)	CAT28C65A/I(PLCC) <sup>(14)</sup>	CAT28C65A/I(SOIC) <sup>(12)</sup>	CAT28C65B/I(DIP)
CAT28C65B/I(PLCC) <sup>(14)</sup>	CAT28C65B/I(SOIC) <sup>(12)</sup>	CAT28F010(DIP)	CAT28F010(PLCC) <sup>(15)</sup>
CAT28F010(TSOP) <sup>(16)</sup>	CAT28F020(DIP)	CAT28F020(PLCC) <sup>(15)</sup>	CAT28F020(TSOP) <sup>(16)</sup>
CAT28F512(DIP)	CAT28F512(PLCC) <sup>(15)</sup>	CAT28F512(TSOP) <sup>(16)</sup>	

**SERIAL (E)EPROMS**

CAT24C01/I(DIP)	CAT24C01/I(SOIC) <sup>(3)</sup>	CAT24C02/I(DIP)	CAT24C02/I(SOIC) <sup>(3)</sup>
CAT24C021(DIP)	CAT24C021(SOIC) <sup>(3)</sup>	CAT24C022(DIP)	CAT24C022(SOIC) <sup>(3)</sup>
CAT24C04/I(DIP)	CAT24C04/I(SOIC) <sup>(3)</sup>	CAT24C041(DIP)	CAT24C041(SOIC) <sup>(3)</sup>
CAT24C042(DIP)	CAT24C042(SOIC) <sup>(3)</sup>	CAT24C08/I(DIP)	CAT24C08/I(SOIC) <sup>(3)</sup>
CAT24C081(DIP)	CAT24C081(SOIC) <sup>(3)</sup>	CAT24C082(DIP)	CAT24C082(SOIC) <sup>(3)</sup>
CAT24C16/I(DIP)	CAT24C16/I(SOIC) <sup>(3)</sup>	CAT24C161(DIP)	CAT24C161(SOIC) <sup>(3)</sup>
CAT24C162(DIP)	CAT24C162(SOIC) <sup>(3)</sup>	CAT24C32/I(DIP)	CAT24C32/I(SOIC) <sup>(3)</sup>
CAT24C64/I(DIP)	CAT24C64/I(SOIC) <sup>(3)</sup>	CAT24LC02/I(DIP)	CAT24LC02/I(SOIC) <sup>(3)</sup>
CAT24LC04/I(DIP)	CAT24LC04/I(SOIC) <sup>(3)</sup>	CAT24WC01/I(DIP)	CAT24WC01/I(SOIC) <sup>(3)</sup>
CAT24WC02/I(DIP)	CAT24WC02/I(SOIC) <sup>(3)</sup>	CAT24WC04/I(DIP)	CAT24WC04/I(SOIC) <sup>(3)</sup>
CAT24WC08/I(DIP)	CAT24WC08/I(SOIC) <sup>(3)</sup>	CAT24WC16/I(DIP)	CAT24WC16/I(SOIC) <sup>(3)</sup>
CAT24WC32/I(DIP)	CAT24WC32/I(SOIC) <sup>(3)</sup>	CAT24WC64/I(DIP)	CAT24WC64/I(SOIC) <sup>(3)</sup>
CAT32C101	CAT33C101/I	CAT33C104A/I	CAT33C108/I
CAT33C116/I	CAT35C102/I	CAT35C104/I	CAT35C108/I



---

**CATALYST ...****SERIAL (E)EPROMS**

CAT35C116/I	CAT59C11/I	CAT93C46/I	CAT93C46A/I
CAT93C46B/I	CAT93C46S/I(SOIC) (3)	CAT93C56/I	CAT93C56S/I(SOIC) (3)
CAT93LC56A/I			

---

**CYPRESS SEMICONDUCTOR****EPROMS**

CY27C010(DIP)	CY27C010(PLCC) (15)	CY27C010(TSOP) (16)	CY27C256(DIP)
CY27C256(PLCC) (14)	CY27C256(TSOP)	CY27C256A(DIP)	CY27C256A(PLCC) (14)
CY27C256A(TSOP)	CY27C512(DIP)	CY27C512(PLCC) (14)	CY27C512(TSOP)
CY27H010(DIP)	CY27H010(PLCC) (15)	CY27H010(TSOP) (16)	CY7C245
CY7C245A	CY7C261	CY7C263	CY7C264
CY7C274(DIP)	CY7C274(PLCC) (14)	CY7C291	CY7C291A
CY7C292	CY7C292A	CY7C293A	

**MICROCONTROLLERS**

CY7C63000(DIP)	CY7C63000(SOIC) (12)	CY7C63000A(DIP)	CY7C63000A(SOIC) (12)
CY7C63001(DIP)	CY7C63001(SOIC) (12)	CY7C63001A(DIP)	CY7C63001A(SOIC) (12)
CY7C63100(DIP)	CY7C63100(SOIC) (12)	CY7C63100A(DIP)	CY7C63100A(SOIC) (12)
CY7C63101(DIP)	CY7C63101(SOIC) (12)	CY7C63101A(DIP)	CY7C63101A(SOIC) (12)
CY7C63200	CY7C63201	CY7C63411(DIP)	CY7C63412(DIP)
CY7C63413(DIP)	CY7C63511(DIP)	CY7C63512(DIP)	CY7C63513(DIP)
CY7C63612(SOIC) (12)	CY7C63613(SOIC) (12)	CY7C64011(DIP)	CY7C64011(SOIC) (12)
CY7C64012(DIP)	CY7C64012(SOIC) (12)	CY7C64013(DIP)	CY7C64013(SOIC) (12)
CY7C65113(DIP)	CY7C65113(SOIC) (12)	CY7C66011(DIP)	CY7C66012(DIP)
CY7C66013(DIP)			

**PALS**

PALC16L8(DIP)	PALC16L8(PLCC) (4)	PALC16R4(DIP)	PALC16R4(PLCC) (4)
PALC16R6(DIP)	PALC16R6(PLCC) (4)	PALC16R8(DIP)	PALC16R8(PLCC) (4)
PALC22V10(DIP)	PALC22V10(PLCC)	PALC22V10B(DIP)	PALC22V10B(PLCC)
PALC22V10D(DIP)	PALC22V10D(PLCC)	PALCE16V8(DIP)	PALCE16V8(PLCC) (4)
PALCE20V8(DIP)	PALCE20V8(PLCC)	PALCE22V10(DIP)	PALCE22V10(PLCC)
PLDC20G10	PLDC20G10B		

---

**DALLAS****EEPROMS/FLASH/NVRAM**

DS1213B 2K Socket	DS1213B 8K Socket	DS1213C 32K Socket	DS1213D 128K Socket
DS1213D 32K Socket	DS1220AB	DS1220AD	DS1220Y
DS1225AB	DS1225AD	DS1225DE	DS1225Y
DS1230AB	DS1230Y	DS1235AB	DS1235Y
DS1245AB	DS1245Y	DS1249Y	DS1250AB
DS1250Y	DS1258AB	DS1258Y	DS1630AB
DS1630Y	DS1645AB	DS1645EE	DS1645Y
DS1650AB	DS1650Y		

**MICROCONTROLLERS**

DS87C520(DIP)	DS87C520(PLCC) (23)	DS87C530(PLCC) (55)	
---------------	---------------------	---------------------	--

---

**EXEL****EEPROMS/FLASH/NVRAM**

XL2804A	XL2816A	XL28C64A(DIP)	XL28C64A(PLCC) (14)
XL46C15	XL46C16		

**SERIAL (E)EPROMS**

XL93C46	XL93C46-3	XL93C56	XL93C66
XL93CS46	XL93CS46-3	XL93LC06	XL93LC06-3
XL93LC06GR(SOIC) (3)	XL93LC46	XL93LC46-3	XL93LC46GR(SOIC) (3)
XL93LC46GR-3(SOIC) (3)	XL93LC56	XL93LC56-3	XL93LC56GR(SOIC) (3)
XL93LC56GR-3(SOIC) (3)	XL93LC66	XL93LC66-3	XL93LC66GR(SOIC) (3)
XL93LC66GR-3(SOIC) (3)			

---

**FAIRCHILD****EPROMS**

NM27C010(DIP)	NM27C010(PLCC) (15)	NM27C020(DIP)	NM27C020(TSOP) (16)
NM27C040(DIP)	NM27C040(PLCC) (15)	NM27C040(TSOP) (16)	NM27C128
NM27C240	NM27C256(DIP)	NM27C256(PLCC) (14)	NM27C512(DIP)
NM27C512(PLCC) (14)	NM27LV010	NM27LV010B	NMC27C16B
NMC27C32B	NMC27C64		

**SERIAL (E)EPROMS**

NM24C02(DIP)	NM24C02(SOIC) (3)	NM24C02F(DIP)	NM24C02F(SOIC) (3)
NM24C02L(DIP)	NM24C02L(SOIC) (3)	NM24C02LZ(DIP)	NM24C02LZ(SOIC) (3)
NM24C02U(DIP)	NM24C02U(SOIC) (3)	NM24C03(DIP)	NM24C03(SOIC) (3)
NM24C03F(DIP)	NM24C03F(SOIC) (3)	NM24C03L(DIP)	NM24C03L(SOIC) (3)
NM24C03LZ(DIP)	NM24C03LZ(SOIC) (3)	NM24C03U(DIP)	NM24C03U(SOIC) (3)
NM24C04(DIP)	NM24C04(SOIC) (3)	NM24C04F(DIP)	NM24C04F(SOIC) (3)
NM24C04L(DIP)	NM24C04L(SOIC) (3)	NM24C04LZ(DIP)	NM24C04LZ(SOIC) (3)
NM24C04U(DIP)	NM24C04U(SOIC) (3)	NM24C05(DIP)	NM24C05(SOIC) (3)
NM24C05F(DIP)	NM24C05F(SOIC) (3)	NM24C05L(DIP)	NM24C05L(SOIC) (3)
NM24C05LZ(DIP)	NM24C05LZ(SOIC) (3)	NM24C05U(DIP)	NM24C05U(SOIC) (3)
NM24C08(DIP)	NM24C08(SOIC) (3)	NM24C08F(DIP)	NM24C08F(SOIC) (3)
NM24C08L(DIP)	NM24C08L(SOIC) (3)	NM24C08LZ(DIP)	NM24C08LZ(SOIC) (3)
NM24C08U(DIP)	NM24C08U(SOIC) (3)	NM24C09(DIP)	NM24C09(SOIC) (3)
NM24C09F(DIP)	NM24C09F(SOIC) (3)	NM24C09L(DIP)	NM24C09L(SOIC) (3)
NM24C09LZ(DIP)	NM24C09LZ(SOIC) (3)	NM24C09U(DIP)	NM24C09U(SOIC) (3)
NM24C16(DIP)	NM24C16(SOIC) (3)	NM24C16F(DIP)	NM24C16F(SOIC) (3)
NM24C16L(DIP)	NM24C16L(SOIC) (3)	NM24C16LZ(DIP)	NM24C16LZ(SOIC) (3)
NM24C16U(DIP)	NM24C16U(SOIC) (3)	NM24C17(DIP)	NM24C17(SOIC) (3)
NM24C17F(DIP)	NM24C17F(SOIC) (3)	NM24C17L(DIP)	NM24C17L(SOIC) (3)
NM24C17LZ(DIP)	NM24C17LZ(SOIC) (3)	NM24C17U(DIP)	NM24C17U(SOIC) (3)
NM25C020(DIP)	NM25C020(SOIC) (3)	NM25C020L(DIP)	NM25C020L(SOIC) (3)
NM25C04	NM25C040(DIP)	NM25C040(SOIC) (3)	NM25C040L(DIP)

---

**FAIRCHILD ...****SERIAL (E)EPROMS**

NM25C040L(SOIC) (3)	NM25C04L	NM25C160(DIP)	NM25C160(SOIC) (3)
NM25C160L(DIP)	NM25C160L(SOIC) (3)	NMC93C06(DIP)	NMC93C06(SOIC) (3)
NMC93C06L(DIP)	NMC93C06L(SOIC) (3)	NMC93C06LZ(DIP)	NMC93C06LZ(SOIC) (3)
NMC93C46(DIP)	NMC93C46(SOIC) (3)	NMC93C46A(DIP)	NMC93C46A(SOIC) (3)
NMC93C46AL(DIP)	NMC93C46AL(SOIC) (3)	NMC93C46ALZ(DIP)	NMC93C46ALZ(SOIC) (3)
NMC93C46L(DIP)	NMC93C46L(SOIC) (3)	NMC93C46LZ(DIP)	NMC93C46LZ(SOIC) (3)
NMC93C56(DIP)	NMC93C56(SOIC) (3)	NMC93C56A(DIP)	NMC93C56A(SOIC) (3)
NMC93C56AL(DIP)	NMC93C56AL(SOIC) (3)	NMC93C56ALZ(DIP)	NMC93C56ALZ(SOIC) (3)
NMC93C56L(DIP)	NMC93C56L(SOIC) (3)	NMC93C56LZ(DIP)	NMC93C56LZ(SOIC) (3)
NMC93C66(DIP)	NMC93C66(SOIC) (3)	NMC93C66A(DIP)	NMC93C66A(SOIC) (3)
NMC93C66AL(DIP)	NMC93C66AL(SOIC) (3)	NMC93C66ALZ(DIP)	NMC93C66ALZ(SOIC) (3)
NMC93C66L(DIP)	NMC93C66L(SOIC) (3)	NMC93C66LZ(DIP)	NMC93C66LZ(SOIC) (3)
NMC93C86	NMC93C86A	NMC93C86AL	NMC93C86ALZ
NMC93C86L	NMC93C86LZ	NMC93CS06(DIP)	NMC93CS06(SOIC) (3)
NMC93CS06L(DIP)	NMC93CS06L(SOIC) (3)	NMC93CS06LZ(DIP)	NMC93CS06LZ(SOIC) (3)
NMC93CS46(DIP)	NMC93CS46(SOIC) (3)	NMC93CS46L(DIP)	NMC93CS46L(SOIC) (3)
NMC93CS46LZ(DIP)	NMC93CS46LZ(SOIC) (3)	NMC93CS56(DIP)	NMC93CS56(SOIC) (3)
NMC93CS56L(DIP)	NMC93CS56L(SOIC) (3)	NMC93CS56LZ(DIP)	NMC93CS56LZ(SOIC) (3)
NMC93CS66(DIP)	NMC93CS66(SOIC) (3)	NMC93CS66L(DIP)	NMC93CS66L(SOIC) (3)
NMC93CS66LZ(DIP)	NMC93CS66LZ(SOIC) (3)		

---

**FUJITSU****EPROMS**

MBM27128	MBM2716	MBM27256	MBM2732
MBM2732A	MBM27512	MBM2764	MBM27C1000
MBM27C1001	MBM27C1024(DIP)	MBM27C1024(PLCC) (23)	MBM27C128
MBM27C128P	MBM27C256A	MBM27C256AP	MBM27C256H
MBM27C4096(DIP)	MBM27C4096(PLCC) (23)	MBM27C512	MBM27C512P
MBM27C64			

**MICROCONTROLLERS**

MB89P195(SOIC) (91)	MB89P195A(SOIC) (91)	MBL8742H(DIP)	MBL8742H(PLCC) (23)
---------------------	----------------------	---------------	---------------------

---

**FUJITSU Dual Operation (DLX00)****EEPROMS/FLASH/NVRAM**

MBM29DL161BD Factory(TSOP) (52)	MBM29DL161BD(TSOP) (52)	MBM29DL161TD Factory(TSOP) (52)	MBM29DL161TD(TSOP) (52)
MBM29DL162BD Factory(TSOP) (52)	MBM29DL162BD(TSOP) (52)	MBM29DL162TD Factory(TSOP) (52)	MBM29DL162TD(TSOP) (52)
MBM29DL163BD Factory(TSOP) (52)	MBM29DL163BD(TSOP) (52)	MBM29DL163TD Factory(TSOP) (52)	MBM29DL163TD(TSOP) (52)
MBM29DL164BD Factory(TSOP) (52)	MBM29DL164BD(TSOP) (52)	MBM29DL164TD Factory(TSOP) (52)	MBM29DL164TD(TSOP) (52)
MBM29DL322BD Factory(TSOP) (52)	MBM29DL322BD(TSOP) (52)	MBM29DL322TD Factory(TSOP) (52)	MBM29DL322TD(TSOP) (52)
MBM29DL324BD Factory(TSOP) (52)	MBM29DL324BD(TSOP) (52)	MBM29DL324TD Factory(TSOP) (52)	MBM29DL324TD(TSOP) (52)
MBM29DL400BB(PSOP) (42)	MBM29DL400BB(TSOP) (52)	MBM29DL400BT(PSOP) (42)	MBM29DL400BT(TSOP) (52)
MBM29DL800BB(PSOP) (42)	MBM29DL800BB(TSOP) (52)	MBM29DL800BT(PSOP) (42)	MBM29DL800BT(TSOP) (52)

---

**FUJITSU Flash (FOX0)****EEPROMS/FLASH/NVRAM**

MBM29F040A(DIP)	MBM29F040A(PLCC) (15)	MBM29F040A(TSOP) (16)	MBM29F080(PSOP) (42)
MBM29F080(TSOP)			

---

**FUJITSU Flash (FOXX)****EEPROMS/FLASH/NVRAM**

MBM29F002B(PLCC) (15)	MBM29F002B(TSOP) (16)	MBM29F002NB(DIP)	MBM29F002NB(PLCC) (15)
MBM29F002NB(PSOP) (16)	MBM29F002NT(DIP)	MBM29F002NT(PLCC) (15)	MBM29F002NT(TSOP) (16)
MBM29F002SB(TSOP) (18)	MBM29F002ST(TSOP) (18)	MBM29F002T(PLCC) (15)	MBM29F002T(TSOP) (16)
MBM29F004BB(PLCC) (15)	MBM29F004BT(PLCC) (15)	MBM29F016(TSOP)	MBM29F017(TSOP)

---

**FUJITSU Flash (FX00)****EEPROMS/FLASH/NVRAM**

MBM29F200T(PSOP) (42)	MBM29F200T(TSOP) (52)	MBM29F200TA(PSOP) (42)	MBM29F200TA(TSOP) (52)
MBM29F400B(PSOP) (42)	MBM29F400B(TSOP) (52)	MBM29F400BA(PSOP) (42)	MBM29F400BA(TSOP) (52)
MBM29F400T(PSOP) (42)	MBM29F400T(TSOP) (52)	MBM29F400TA(PSOP) (42)	MBM29F400TA(TSOP) (52)
MBM29F800B(PSOP) (42)	MBM29F800B(TSOP) (52)	MBM29F800T(PSOP) (42)	MBM29F800T(TSOP) (52)

---

**FUJITSU Flash EEPROM (MBM28)****EEPROMS/FLASH/NVRAM**

MBM28C64	MBM28C65
----------	----------

---

**FUJITSU Low Voltage (LV0X0)****EEPROMS/FLASH/NVRAM**

MBM29LV040B(PLCC) (15)	MBM29LV040B(TSOP) (16)	MBM29LV080(TSOP) (18)
------------------------	------------------------	-----------------------

---

**FUJITSU Low Voltage (LV0XX)****EEPROMS/FLASH/NVRAM**

MBM29LV001BC(PLCC) (15)	MBM29LV001BC(TSOP) (16)	MBM29LV001TC(PLCC) (15)	MBM29LV001TC(TSOP) (16)
MBM29LV002B(TSOP) (18)	MBM29LV002T(TSOP) (18)	MBM29LV004B(TSOP) (18)	MBM29LV004T(TSOP) (18)
MBM29LV008B(TSOP) (18)	MBM29LV008T(TSOP) (18)	MBM29LV081(TSOP) (18)	

---

**FUJITSU Low Voltage (LVX00)****EEPROMS/FLASH/NVRAM**

MBM29LV160B(PSOP) (42)	MBM29LV160B(TSOP) (52)	MBM29LV160T(PSOP) (42)	MBM29LV160T(TSOP) (52)
MBM29LV200B(PSOP) (42)	MBM29LV200B(TSOP) (52)	MBM29LV200T(PSOP) (42)	MBM29LV200T(TSOP) (52)
MBM29LV400B(PSOP) (42)	MBM29LV400B(TSOP) (52)	MBM29LV400T(PSOP) (42)	MBM29LV400T(TSOP) (52)
MBM29LV800B(PSOP) (42)	MBM29LV800B(TSOP) (52)	MBM29LV800T(PSOP) (42)	MBM29LV800T(TSOP) (52)

## GOULD

### PALS

PEEL153	PEEL173	PEEL18CV8	PEEL18CV8L
PEEL20CG10	PEEL20CG10A	PEEL20CG10AL	PEEL22CV10
PEEL22CV10A	PEEL22CV10A+	PEEL22CV10AL	PEEL22CV10Z
PEEL253	PEEL273		

## GREENWICH INSTRUMENTS

### EPROMS

GR27128	GR27256	GR27512	GR27513
GR2764			

### EEPROMS/FLASH/NVRAM

GR281	GR3281	GR881	
-------	--------	-------	--

## HITACHI

### EPROMS

HN27512G	HN27512P	HN27C101AFP	HN27C101AG
HN27C101AP	HN27C101G	HN27C101P	HN27C1024H(DIP)
HN27C1024H(PLCC) (23)	HN27C256AFP(SOIC) (12)	HN27C256AG	HN27C256AP
HN27C256HFP(SOIC) (12)	HN27C256HG	HN27C256HP	HN27C301AG
HN27C301AP	HN27C4000	HN27C4001	HN27C4096(DIP)
HN27C4096(PLCC) (23)	HN27C512G		

### EEPROMS/FLASH/NVRAM

HM58C256(DIP)	HM58C256(SOIC) (12)	HM58C256A(DIP)	HM58C256A(TSOP)
HM58C257	HM58C257A(DIP)	HM58C257A(TSOP)	HM58V256A(TSOP)
HM58V256AI(TSOP)	HM58V257	HM58V257A(TSOP)	HN28F101(DIP)
HN28F101(PLCC) (15)	HN28F101(TSOP) (16)	HN58C1001(DIP)	HN58C1001(TSOP) (16)
HN58C65(DIP)	HN58C65(SOIC) (12)	HN58C66(DIP)	HN58C66(SOIC) (12)
HN58C66(TSOP)	HN58V65A(DIP)	HN58V65A(TSOP)	HN58V65AI(DIP)
HN58V65AI(TSOP)	HN58V65A-SR(TSOP)	HN58V66A(DIP)	HN58V66A(TSOP)
HN58V66AI(DIP)	HN58V66AI(TSOP)	HN58V66A-SR(TSOP)	

## HITACHI(old)

### EPROMS

HN27128	HN27128A	HN27256	HN2764
HN2764A	HN27C101G	HN27C256	HN27C64
HN462716G	HN462732G	HN462732GI	HN4827128G
HN482732AG	HN482764	HN482764G	

## HYUNDAI

### EPROMS

27C64	27C64A
-------	--------

### EEPROMS/FLASH/NVRAM

HY29F040(DIP)	HY29F040(PLCC) (15)	HY29F040(TSOP) (16)	HY29F040A(DIP)
HY29F040A(PLCC) (15)	HY29F040A(TSOP) (16)	HY29F080(PSOP) (42)	HY29F080(TSOP) (18)

## ICT

### EPROMS

27CX010	27CX256	27CX321	27CX322
27CX641	27CX642		

### SERIAL (E)EPROMS

93C46	93C46A	93C56A	93C66A
93CX46A	93CX56A	93CX66A	

### PALS

PA7024(DIP)	PA7024(SOIC) (12)	PA7128(DIP)	PA7128(PLCC) (9)
PA7128(SOIC) (12)	PA7140(DIP)	PA7140(PLCC) (36)	PEEL153
PEEL16V8(DIP)	PEEL16V8(PLCC) (4)	PEEL16V8(SOIC) (12)	PEEL16V8-conv(1)
PEEL173	PEEL18CV8(DIP)	PEEL18CV8(PLCC) (4)	PEEL18CV8(SOIC) (12)
PEEL18CV8L(DIP)	PEEL18CV8L(PLCC) (4)	PEEL18CV8L(SOIC) (12)	PEEL20CG10(DIP)
PEEL20CG10(PLCC)	PEEL20CG10(SOIC) (12)	PEEL20CG10A(DIP)	PEEL20CG10A(PLCC)
PEEL20CG10A(SOIC) (12)	PEEL20CG10AL(DIP)	PEEL20CG10AL(PLCC)	PEEL20CG10AL(SOIC) (12)
PEEL22CV10(DIP)	PEEL22CV10(PLCC)	PEEL22CV10(SOIC) (12)	PEEL22CV10A(DIP)
PEEL22CV10A(PLCC)	PEEL22CV10A(SOIC) (12)	PEEL22CV10A+(DIP)	PEEL22CV10A+(PLCC)
PEEL22CV10A+(SOIC) (12)	PEEL22CV10AL(DIP)	PEEL22CV10AL(PLCC)	PEEL22CV10AL(SOIC) (12)
PEEL22CV10Z(DIP)	PEEL22CV10Z(PLCC)	PEEL22CV10Z(SOIC) (12)	PEEL22CV8(DIP)
PEEL22V10AZ(DIP)	PEEL22V10AZ(PLCC)	PEEL22V10AZ(SOIC) (12)	PEEL22V10AZ+(DIP)
PEEL22V10AZ+(PLCC)	PEEL22V10AZ+(SOIC) (12)	PEEL253	PEEL273

## INFINEON

### SERIAL (E)EPROMS

SDA2516	SDA2526	SDA2546	SDA2586
SDA3526	SDA3546	SDA3586	SDE2526
SLA24C01	SLA24C02	SLA24C04	SLA24C08
SLA24C16	SLA24C164	SLA24C32	SLA24C64

### MICROCONTROLLERS

SAB-C501(DIP)	SAB-C501(PLCC) (23)	SAB-C501(QFP) (44)	SAB-C504(QFP) (44)
SAB-C505A(QFP) (44)	SAB-C505CA(QFP) (44)	SAB-C513A(DIP)	SAB-C513A(PLCC) (23)
SAB-C513A(QFP) (44)	SAB-C513AO(DIP)	SAB-C513AO(PLCC) (23)	SAB-C513AO(QFP) (44)
SAB-C515C(QFP) (78)	SAB-C540U(DIP)	SAB-C540U(PLCC) (23)	SAB-C541U(DIP)
SAB-C541U(PLCC) (23)	SAF-C505A(QFP) (44)	SAF-C505CA(QFP) (44)	SAF-C513A(DIP)
SAF-C513A(PLCC) (23)	SAF-C513A(QFP) (44)	SAF-C513AO(DIP)	SAF-C513AO(PLCC) (23)
SAF-C513AO(QFP) (44)	SAF-C515C(QFP) (78)		

## INTEL

### EPROMS

D27010	D27011	D27128A	D2716
D27210(DIP)	D27210(PLCC) (23)	D27256	D2732
D2732A	D27512	D27513	D2764
D2764A	D27C010(DIP)	D27C010(PLCC) (15)	D27C011
D27C020(DIP)	D27C020(PLCC) (15)	D27C040	D27C128(DIP)
D27C128(PLCC) (14)	D27C210(DIP)	D27C210(PLCC) (23)	D27C220(DIP)
D27C220(PLCC) (23)	D27C240(DIP)	D27C240(PLCC) (23)	D27C256-xx(DIP)
D27C256-xx(PLCC) (14)	D27C256-xxxVxx(DIP)	D27C256-xxxVxx(PLCC) (14)	D27C512(DIP)
D27C512(PLCC) (14)	D27C513	D27C64(DIP)	D27C64(PLCC) (14)
D68C257(DIP)	D68C257(PLCC) (14)	D87C257(DIP)	D87C257(PLCC) (14)
D87C64(DIP)	D87C64(PLCC) (14)	P27128A	P27256

### MICROCONTROLLERS

87C251SB(DIP)	87C251SB(PLCC) (23)	87C52(DIP)	87C52(PLCC) (23)
87C54(DIP)	87C54(PLCC) (23)	87L51FA(DIP)	87L51FA(PLCC) (23)
87L51FB(DIP)	87L51FB(PLCC) (23)	87L51FC(DIP)	87L51FC(PLCC) (23)
87L52(DIP)	87L52(PLCC) (23)	D8048AH	D8049AH
D8050AH	D8741A(DIP)	D8741A(PLCC) (23)	D8741AH(DIP)
D8741AH(PLCC) (23)	D8742(DIP)	D8742(PLCC) (23)	D8742AH(DIP)
D8742AH(PLCC) (23)	D8744H(DIP)	D8744H(PLCC) (23)	D8748H
D8749H	D8751BH(DIP)	D8751BH(PLCC) (23)	D8751H(DIP)
D8751H(PLCC) (23)	D8751H-8(DIP)	D8751H-8(PLCC) (23)	D8752BH(DIP)
D8752BH(PLCC) (23)	D87C51(DIP)	D87C51(PLCC) (23)	D87C51B(DIP)
D87C51B(PLCC) (23)	D87C51FA(DIP)	D87C51FA(PLCC) (23)	D87C51FB(DIP)
D87C51FB(PLCC) (23)	D87C51FC(DIP)	D87C51FC(PLCC) (23)	P8748H
P87C42(DIP)	P87C42(PLCC) (23)		

### PALS

5AC312	5C031	5C032	5C060
5C090(DIP)	5C090(PLCC) (23)	5C180(PLCC) (69)	85C060
85C090(DIP)	85C090(PLCC) (23)	85C220	85C224
85C22V10	85C22V10-conv(3)	85C508	IPLD22V10
IPLD610	IPLD910		

## INTEL Advanced+ Boot Block (X00-C)

### EEPROMS/FLASH/NVRAM

28F160C18-B(BGA) (84)	28F160C18-B(TSOP) (52)	28F160C18-T(BGA) (84)	28F160C18-T(TSOP) (52)
28F160C2-B(BGA) (84)	28F160C2-B(TSOP) (52)	28F160C2-T(BGA) (84)	28F160C2-T(TSOP) (52)
28F160C3-B(BGA) (84)	28F160C3-B(TSOP) (52)	28F160C3-BA(BGA) (84)	28F160C3-BA(TSOP) (52)
28F160C3-T(BGA) (84)	28F160C3-T(TSOP) (52)	28F160C3-TA(BGA) (84)	28F160C3-TA(TSOP) (52)
28F200CV-B(TSOP) (52)	28F200CV-T(TSOP) (52)	28F320C3-B(BGA) (84)	28F320C3-B(TSOP) (52)
28F320C3-BA(BGA) (84)	28F320C3-BA(TSOP) (52)	28F320C3-T(BGA) (84)	28F320C3-T(TSOP) (52)
28F320C3-TA(BGA) (84)	28F320C3-TA(TSOP) (52)	28F400CE-B(TSOP) (52)	28F400CE-T(TSOP) (52)
28F400CV-B(TSOP) (52)	28F400CV-T(TSOP) (52)	28F800C3-B(BGA) (84)	28F800C3-B(TSOP) (52)
28F800C3-BA(BGA) (84)	28F800C3-BA(TSOP) (52)	28F800C3-T(BGA) (84)	28F800C3-T(TSOP) (52)
28F800C3-TA(BGA) (84)	28F800C3-TA(TSOP) (52)	28F800CE-B(TSOP) (52)	28F800CE-T(TSOP) (52)
28F800CV-B(TSOP) (52)	28F800CV-T(TSOP) (52)		

## INTEL Boot Block (00X-B)

### EEPROMS/FLASH/NVRAM

28F001BX-B(DIP)	28F001BX-B(PLCC) (15)	28F001BX-B(TSOP) (17)	28F001BX-T(DIP)
28F001BX-T(PLCC) (15)	28F001BX-T(TSOP) (17)	28F002BC-T(DIP)	28F002BC-T(TSOP) (18)
28F002BL-B(TSOP) (18)	28F002BL-T(TSOP) (18)	28F002BV-B(TSOP) (18)	28F002BV-T(TSOP) (18)
28F002BX-B(TSOP) (18)	28F002BX-T(TSOP) (18)	28F004B3-B(TSOP) (18)	28F004B3-T(TSOP) (18)
28F004B5-B(TSOP) (18)	28F004B5-T(TSOP) (18)	28F004BE-B(TSOP) (18)	28F004BE-T(TSOP) (18)
28F004BL-B(TSOP) (18)	28F004BL-T(TSOP) (18)	28F004BV-B(TSOP) (18)	28F004BV-T(TSOP) (18)
28F004BX-B(TSOP) (18)	28F004BX-T(TSOP) (18)	28F008B3-B(TSOP) (18)	28F008B3-T(TSOP) (18)
28F008BE-B(TSOP) (18)	28F008BE-T(TSOP) (18)	28F008BV-B(TSOP) (18)	28F008BV-T(TSOP) (18)
28F016B3-B(BGA) (84)	28F016B3-B(TSOP) (18)	28F016B3-BA(BGA) (84)	28F016B3-BA(TSOP) (18)
28F016B3-T(BGA) (84)	28F016B3-T(TSOP) (18)	28F016B3-TA(BGA) (84)	28F016B3-TA(TSOP) (18)

## INTEL Boot Block (X00-B)

### EEPROMS/FLASH/NVRAM

28F160B3-B(TSOP) (52)	28F160B3-BA(TSOP) (52)	28F160B3-T(TSOP) (52)	28F160B3-TA(TSOP) (52)
28F200B5-B(PSOP) (42)	28F200B5-B(TSOP) (52)	28F200B5-T(PSOP) (42)	28F200B5-T(TSOP) (52)
28F200BL-B(PSOP) (42)	28F200BL-B(TSOP) (59)	28F200BL-T(PSOP) (42)	28F200BL-T(TSOP) (59)
28F200BV-B(PSOP) (42)	28F200BV-B(TSOP) (59)	28F200BV-T(PSOP) (42)	28F200BV-T(TSOP) (59)
28F200BX-B(PSOP) (42)	28F200BX-B(TSOP) (59)	28F200BX-T(PSOP) (42)	28F200BX-T(TSOP) (59)
28F320B3-B(BGA) (84)	28F320B3-B(TSOP) (52)	28F320B3-BA(BGA) (84)	28F320B3-BA(TSOP) (52)
28F320B3-T(BGA) (84)	28F320B3-T(TSOP) (52)	28F320B3-TA(BGA) (84)	28F320B3-TA(TSOP) (52)
28F400B3-B(TSOP) (52)	28F400B3-T(TSOP) (52)	28F400B5-B(PSOP) (42)	28F400B5-B(TSOP) (52)
28F400B5-T(PSOP) (42)	28F400B5-T(TSOP) (52)	28F400BL-B(PSOP) (42)	28F400BL-B(TSOP) (59)
28F400BL-T(PSOP) (42)	28F400BL-T(TSOP) (59)	28F400BV-B(PSOP) (42)	28F400BV-B(TSOP) (59)
28F400BV-T(PSOP) (42)	28F400BV-T(TSOP) (59)	28F400BX-B(PSOP) (42)	28F400BX-B(TSOP) (59)
28F400BX-T(PSOP) (42)	28F400BX-T(TSOP) (59)	28F800B3-B(TSOP) (52)	28F800B3-BA(TSOP) (52)
28F800B3-T(TSOP) (52)	28F800B3-TA(TSOP) (52)	28F800B5-B(PSOP) (42)	28F800B5-B(TSOP) (52)
28F800B5-T(PSOP) (42)	28F800B5-T(TSOP) (52)	28F800BV-B(PSOP) (42)	28F800BV-T(PSOP) (42)

## INTEL Bulk Erase

### EEPROMS/FLASH/NVRAM

2816	2816A	D27F256	D28F010(DIP)
D28F010(PLCC) (15)	D28F010(TSOP) (16)	D28F020(DIP)	D28F020(PLCC) (15)
D28F020(TSOP) (16)	D28F256(DIP)	D28F256(PLCC) (15)	D28F256A(DIP)
D28F256A(PLCC) (15)	D28F512(DIP)	D28F512(PLCC) (15)	D28F512(TSOP) (16)

---

**INTEL Fast Boot Block (X00-F)****EEPROMS/FLASH/NVRAM**

28F160F3-B(BGA) <sup>(86)</sup>	28F160F3-B(SSOP) <sup>(85)</sup>	28F160F3-T(BGA) <sup>(86)</sup>	28F160F3-T(SSOP) <sup>(85)</sup>
28F800F3-B(SSOP) <sup>(85)</sup>	28F800F3-T(SSOP) <sup>(85)</sup>		

**INTEL FlashFile (00X-S)****EEPROMS/FLASH/NVRAM**

28F004S3(PSOP) <sup>(43)</sup>	28F004S3(TSOP) <sup>(18)</sup>	28F004S5(PSOP) <sup>(43)</sup>	28F004S5(TSOP) <sup>(18)</sup>
28F004SC(PSOP) <sup>(43)</sup>	28F004SC(TSOP) <sup>(18)</sup>	28F008S3(PSOP) <sup>(43)</sup>	28F008S3(TSOP) <sup>(18)</sup>
28F008S5(PSOP) <sup>(43)</sup>	28F008S5(TSOP) <sup>(18)</sup>	28F008SA(PSOP) <sup>(43)</sup>	28F008SA(TSOP) <sup>(18)</sup>
28F008SC(PSOP) <sup>(43)</sup>	28F008SC(TSOP) <sup>(18)</sup>	28F016S3(PSOP) <sup>(42)</sup>	28F016S3(TSOP) <sup>(18)</sup>
28F016S5(PSOP) <sup>(42)</sup>	28F016S5(TSOP) <sup>(18)</sup>	28F016SA(TSOP) <sup>(58)</sup>	28F016SC(PSOP) <sup>(42)</sup>
28F016SC(TSOP) <sup>(18)</sup>	28F016SV(TSOP) <sup>(58)</sup>	28F032SA(TSOP) <sup>(58)</sup>	

**INTEL FlashFile (X00-S)****EEPROMS/FLASH/NVRAM**

28F160S3(TSOP) <sup>(58)</sup>	28F160S5(TSOP) <sup>(58)</sup>
--------------------------------	--------------------------------

**INTEL Peripherals****EEPROMS/FLASH/NVRAM**

82802AB(PLCC) <sup>(15)</sup>	82802AB(TSOP) <sup>(18)</sup>	82802AC(PLCC) <sup>(15)</sup>	82802AC(TSOP) <sup>(18)</sup>
-------------------------------	-------------------------------	-------------------------------	-------------------------------

**INTEL StrataFlash (X00-J)****EEPROMS/FLASH/NVRAM**

28F640J5(BGA)

**ISSI****EPROMS**

IS27C256	IS27C512	IS27HC256	IS27HC512
----------	----------	-----------	-----------

**EEPROMS/FLASH/NVRAM**

IS28F020

**SERIAL (E)EPROMS**

IS24C02	IS24C02-3	IS24C04	IS24C04-3
IS93C46-3	IS93C56-3	IS93C66-3	

**LATTICE****PALS**

GAL16LV8D(DIP)	GAL16LV8D(PLCC) <sup>(4)</sup>	GAL16LV8D(SOIC) <sup>(12)</sup>	GAL16LV8ZD(DIP)
GAL16LV8ZD(PLCC) <sup>(4)</sup>	GAL16LV8ZD(SOIC) <sup>(12)</sup>	GAL16V8A(DIP)	GAL16V8A(PLCC) <sup>(4)</sup>
GAL16V8A(SOIC) <sup>(12)</sup>	GAL16V8B(DIP)	GAL16V8B(PLCC) <sup>(4)</sup>	GAL16V8B(SOIC) <sup>(12)</sup>
GAL16V8C(DIP)	GAL16V8C(PLCC) <sup>(4)</sup>	GAL16V8C(SOIC) <sup>(12)</sup>	GAL16V8-conv(1)
GAL16V8D(DIP)	GAL16V8D(PLCC) <sup>(4)</sup>	GAL16V8D(SOIC) <sup>(12)</sup>	GAL16V8Z(DIP)
GAL16V8Z(PLCC) <sup>(4)</sup>	GAL16V8Z(SOIC) <sup>(12)</sup>	GAL18V10(DIP)	GAL18V10(PLCC) <sup>(4)</sup>
GAL18V10B(DIP)	GAL18V10B(PLCC) <sup>(4)</sup>	GAL20LV8D(DIP)	GAL20LV8D(PLCC)
GAL20RA10(DIP)	GAL20RA10(PLCC)	GAL20RA10B(DIP)	GAL20RA10B(PLCC)
GAL20V8A(DIP)	GAL20V8A(PLCC)	GAL20V8B(DIP)	GAL20V8B(PLCC)
GAL20V8C(DIP)	GAL20V8C(PLCC)	GAL20V8-conv(2)	GAL20V8Z(DIP)
GAL20V8Z(PLCC)	GAL22LV10C(PLCC)	GAL22LV10D(PLCC)	GAL22V10(DIP)
GAL22V10(PLCC)	GAL22V10B(DIP)	GAL22V10B(PLCC)	GAL22V10C(DIP)
GAL22V10C(PLCC)	GAL22V10D(DIP)	GAL22V10D(PLCC)	GAL26CV12(DIP)
GAL26CV12(PLCC) <sup>(9)</sup>	GAL26CV12B(DIP)	GAL26CV12B(PLCC) <sup>(9)</sup>	GAL26CV12C(DIP)
GAL26CV12C(PLCC) <sup>(9)</sup>	GAL6001(DIP)	GAL6001(PLCC)	GAL6001B(DIP)
GAL6001B(PLCC)	GAL6002B(DIP)	GAL6002B(PLCC)	

**LUCENT TECHNOLOGIES****SERIAL (E)EPROMS**

ATT17128A(DIP)	ATT17128A(SOIC) <sup>(3)</sup>	ATT1736A(DIP)	ATT1736A(SOIC) <sup>(3)</sup>
ATT1765A(DIP)	ATT1765A(SOIC) <sup>(3)</sup>		

**MACRONIX****EPROMS**

MX27C1000(DIP)	MX27C1000(PLCC) <sup>(15)</sup>	MX27C1001(DIP)	MX27C1001(PLCC) <sup>(15)</sup>
MX27C1024(DIP)	MX27C1024(PLCC) <sup>(23)</sup>	MX27C1100	MX27C1610
MX27C2000(DIP)	MX27C2000(PLCC) <sup>(15)</sup>	MX27C2048(DIP)	MX27C2048(PLCC) <sup>(23)</sup>
MX27C2100	MX27C256(DIP)	MX27C256(PLCC) <sup>(14)</sup>	MX27C4000(DIP)
MX27C4000(PLCC) <sup>(15)</sup>	MX27C4000(TSOP) <sup>(16)</sup>	MX27C4096(DIP)	MX27C4096(PLCC) <sup>(23)</sup>
MX27C4100	MX27C4111	MX27C512(DIP)	MX27C512(PLCC) <sup>(14)</sup>
MX27C8000(DIP)	MX27C8000(PLCC) <sup>(15)</sup>	MX27C8100	MX27C8111
MX27L1000(DIP)	MX27L1000(PLCC) <sup>(15)</sup>	MX27L1000(TSOP) <sup>(16)</sup>	MX27L2000(DIP)
MX27L2000(TSOP) <sup>(16)</sup>	MX27L256(DIP)	MX27L256(PLCC) <sup>(14)</sup>	MX27L4000(DIP)
MX27L4000(PLCC) <sup>(15)</sup>	MX27L4000(TSOP) <sup>(16)</sup>	MX27L512(DIP)	MX27L512(PLCC) <sup>(14)</sup>

**MACRONIX Flash (28F)****EEPROMS/FLASH/NVRAM**

MX28F002B(TSOP) <sup>(18)</sup>	MX28F002T(TSOP) <sup>(18)</sup>	MX28F1000	MX28F1000P(DIP)
MX28F1000P(PLCC) <sup>(15)</sup>	MX28F1000P(TSOP) <sup>(16)</sup>	MX28F2000(DIP)	MX28F2000(PLCC) <sup>(15)</sup>
MX28F2000T(DIP)	MX28F2000T(PLCC) <sup>(15)</sup>	MX28F2100B(PSOP) <sup>(42)</sup>	MX28F2100B(TSOP) <sup>(52)</sup>
MX28F2100T(PSOP) <sup>(42)</sup>	MX28F2100T(TSOP) <sup>(52)</sup>	MX28F4000(DIP)	MX28F4000(TSOP) <sup>(16)</sup>

**MACRONIX MTP ROM (26C)****EEPROMS/FLASH/NVRAM**

MX26C1000(DIP)	MX26C1000(PLCC) <sup>(15)</sup>	MX26C1000(TSOP) <sup>(17)</sup>	MX26C1000A(DIP)
MX26C1000A(PLCC) <sup>(15)</sup>	MX26C1000A(TSOP) <sup>(17)</sup>	MX26C1024A(DIP)	MX26C1024A(PLCC) <sup>(23)</sup>
MX26C1024A(TSOP) <sup>(18)</sup>	MX26C512(DIP)	MX26C512(PLCC) <sup>(14)</sup>	MX26C512(TSOP)
MX26C512A(DIP)	MX26C512A(PLCC) <sup>(14)</sup>	MX26C512A(TSOP)	

---

**MACRONIX Page Mode Flash (29FXXXX)****EEPROMS/FLASH/NVRAM**

MX29F1610(PSOP) (42)	MX29F1610(TSOP) (52)	MX29F1610A(PSOP) (42)	MX29F1610A(TSOP) (52)
MX29F1610B(PSOP) (42)	MX29F1610B(TSOP) (52)	MX29F1611(PSOP) (42)	MX29F1615
MX29F8100(PSOP) (42)	MX29F8100(TSOP) (52)		

---

**MACRONIX Page Mode Low Voltage (29LXXXX)****EEPROMS/FLASH/NVRAM**

MX29L1611(PSOP) (42)	MX29L1611G	MX29L8000B(TSOP) (18)	MX29L8000T(TSOP) (18)
MX29L8100B(TSOP) (52)	MX29L8100G	MX29L8100T(TSOP) (52)	

---

**MACRONIX Serial Flash (25)****EEPROMS/FLASH/NVRAM**

MX25L4004(TSOP) (16)
----------------------

---

**MACRONIX Single Voltage Flash (29F0XX)****EEPROMS/FLASH/NVRAM**

MX29F001B(DIP)	MX29F001B(PLCC) (15)	MX29F001B(TSOP) (16)	MX29F001T(DIP)
MX29F001T(PLCC) (15)	MX29F001T(TSOP) (16)	MX29F002B(DIP)	MX29F002B(PLCC) (15)
MX29F002B(TSOP) (16)	MX29F002NB(DIP)	MX29F002NB(PLCC) (15)	MX29F002NB(TSOP) (16)
MX29F002NT(DIP)	MX29F002NT(PLCC) (15)	MX29F002NT(TSOP) (16)	MX29F002T(DIP)
MX29F002T(PLCC) (15)	MX29F002T(TSOP) (16)	MX29F004B(DIP)	MX29F004B(PLCC) (15)
MX29F004B(TSOP) (16)	MX29F004T(DIP)	MX29F004T(PLCC) (15)	MX29F004T(TSOP) (16)
MX29F016(PSOP) (42)	MX29F016(TSOP) (18)	MX29F022B(DIP)	MX29F022B(PLCC) (15)
MX29F022B(TSOP) (16)	MX29F022T(DIP)	MX29F022T(PLCC) (15)	MX29F022T(TSOP) (16)
MX29F040(DIP)	MX29F040(PLCC) (15)	MX29F040(TSOP) (17)	

---

**MACRONIX Single Voltage Flash (29FX000)****EEPROMS/FLASH/NVRAM**

MX29F100B(PSOP) (42)	MX29F100B(TSOP) (52)	MX29F100T(PSOP) (42)	MX29F100T(TSOP) (52)
MX29F200B(PSOP) (42)	MX29F200B(TSOP) (52)	MX29F200T(PSOP) (42)	MX29F200T(TSOP) (52)
MX29F4000	MX29F400B(PSOP) (42)	MX29F400B(TSOP) (52)	MX29F400T(PSOP) (42)
MX29F400T(TSOP) (52)	MX29F800B(PSOP) (42)	MX29F800B(TSOP) (52)	MX29F800T(PSOP) (42)
MX29F800T(TSOP) (52)			

---

**MICROCHIP****EPROMS**

27256	27C128(DIP)	27C128(PLCC) (14)	27C128(SOIC) (12)
27C256(DIP)	27C256(PLCC) (14)	27C256(SOIC) (12)	27C256(TSOP)
27C512(DIP)	27C512(PLCC) (14)	27C64(DIP)	27C64(PLCC) (14)
27C64(SOIC) (12)	27HC1616(DIP)	27HC1616(PLCC) (23)	27HC256(DIP)
27HC256(PLCC) (14)	27HC256(SOIC) (12)	27HC256(TSOP)	27HC64(DIP)
27HC64(PLCC) (14)	27HC64(SOIC) (12)	27LV256(DIP)	27LV256(PLCC) (14)
27LV256(SOIC) (12)	27LV256(TSOP)	27LV512	27LV64(DIP)
27LV64(PLCC) (14)	27LV64(SOIC) (12)		

**EEPROMS/FLASH/NVRAM**

28C04A	28C04AF	28C16A	28C16AF
28C17A(DIP)	28C17A(PLCC) (14)	28C17AF(DIP)	28C17AF(PLCC) (14)
28C64A(DIP)	28C64A(PLCC) (14)	28C64AF(DIP)	28C64AF(PLCC) (14)

---

**MICROCHIP 24 Series****SERIAL (E)EPROMS**

24AA00(DIP)	24AA00(SOIC) (3)	24AA01(DIP)	24AA01(SOIC) (3)
24AA02(DIP)	24AA02(SOIC) (3)	24AA04(DIP)	24AA04(SOIC) (3)
24AA08(DIP)	24AA08(SOIC) (3)	24AA16(DIP)	24AA16(SOIC) (3)
24AA164(DIP)	24AA164(SOIC) (3)	24AA256(DIP)	24AA256(SOIC) (3)
24AA32	24AA32A(DIP)	24AA32A(SOIC) (3)	24AA65
24C00(DIP)	24C00(SOIC) (3)	24C01A(DIP)	24C01A(SOIC) (3)
24C02A(DIP)	24C02A(SOIC) (3)	24C04A(DIP)	24C04A(SOIC) (3)
24C32	24C32A(DIP)	24C32A(SOIC) (3)	24C65
24FC32	24FC65(DIP)	24FC65(SOIC) (3)	24LC00(DIP)
24LC00(SOIC) (3)	24LC01B(DIP)	24LC01B(SOIC) (3)	24LC02B(DIP)
24LC02B(SOIC) (3)	24LC04B(DIP)	24LC04B(SOIC) (3)	24LC08B(DIP)
24LC08B(SOIC) (3)	24LC16	24LC164(DIP)	24LC164(SOIC) (3)
24LC16B(DIP)	24LC16B(SOIC) (3)	24LC21(DIP)	24LC21(SOIC) (3)
24LC21A(DIP)	24LC21A(SOIC) (3)	24LC256(DIP)	24LC256(SOIC) (3)
24LC32	24LC32A(DIP)	24LC32A(SOIC) (3)	24LC65
24LCS21(DIP)	24LCS21(SOIC) (3)	24LCS21A(DIP)	24LCS21A(SOIC) (3)
24LCS52(DIP)	24LCS52(SOIC) (3)		

---

**MICROCHIP 25 Series****SERIAL (E)EPROMS**

25AA010(DIP)	25AA010(SOIC) (3)	25AA020(DIP)	25AA020(SOIC) (3)
25AA040(DIP)	25AA040(SOIC) (3)	25AA080(DIP)	25AA080(SOIC) (3)
25AA160(DIP)	25AA160(SOIC) (3)	25AA320(DIP)	25AA320(SOIC) (3)
25C010(DIP)	25C010(SOIC) (3)	25C020(DIP)	25C020(SOIC) (3)
25C040(DIP)	25C040(SOIC) (3)	25C080(DIP)	25C080(SOIC) (3)
25C160(DIP)	25C160(SOIC) (3)	25C320(DIP)	25C320(SOIC) (3)
25LC010(DIP)	25LC010(SOIC) (3)	25LC020(DIP)	25LC020(SOIC) (3)
25LC040(DIP)	25LC040(SOIC) (3)	25LC080(DIP)	25LC080(SOIC) (3)
25LC160(DIP)	25LC160(SOIC) (3)	25LC320(DIP)	25LC320(SOIC) (3)



---

**MICROCHIP 37 Series****SERIAL (E)EPROMS**

37LV128(DIP)	37LV128(PLCC)	37LV128(SOIC) (3)	37LV36(DIP)
37LV36(PLCC)	37LV36(SOIC) (3)	37LV65(DIP)	37LV65(PLCC)
37LV65(SOIC) (3)			

---

**MICROCHIP 59 Series****SERIAL (E)EPROMS**

59C11(DIP)	59C11(SOIC) (3)
------------	-----------------

---

**MICROCHIP 85 Series****SERIAL (E)EPROMS**

85C72	85C82	85C92
-------	-------	-------

---

**MICROCHIP 93 Series****SERIAL (E)EPROMS**

93AA46(DIP)	93AA46(SOIC) (3)	93AA56(DIP)	93AA56(SOIC) (3)
93AA66(DIP)	93AA66(SOIC) (3)	93AA76(DIP)	93AA76(SOIC) (3)
93AA86(DIP)	93AA86(SOIC) (3)	93C06(DIP)	93C06(SOIC) (3)
93C46(DIP)	93C46(SOIC) (3)	93C46B(DIP)	93C46B(SOIC) (3)
93C56(DIP)	93C56(SOIC) (3)	93C66(DIP)	93C66(SOIC) (3)
93C76(DIP)	93C76(SOIC) (3)	93C86(DIP)	93C86(SOIC) (3)
93LC46(DIP)	93LC46(SOIC) (3)	93LC46B(DIP)	93LC46B(SOIC) (3)
93LC56(DIP)	93LC56(SOIC) (3)	93LC56B(DIP)	93LC56B(SOIC) (3)
93LC66(DIP)	93LC66(SOIC) (3)	93LC66B(DIP)	93LC66B(SOIC) (3)
93LC76(DIP)	93LC76(SOIC) (3)	93LC86(DIP)	93LC86(SOIC) (3)
93LCS56(DIP)	93LCS56(SOIC) (3)	93LCS66(DIP)	93LCS66(SOIC) (3)

---

**MICROCHIP PCD Series****SERIAL (E)EPROMS**

PCD8572	PCD8582
---------	---------

---

**MICROCHIP PIC12****MICROCONTROLLERS**

PIC12C508 /OTP(DIP)	PIC12C508 /OTP(SOIC) (7)	PIC12C508(DIP)	PIC12C508(SOIC) (7)
PIC12C508A /OTP(DIP)	PIC12C508A /OTP(SOIC) (7)	PIC12C508A(DIP)	PIC12C508A(SOIC) (7)
PIC12C509 /OTP(DIP)	PIC12C509 /OTP(SOIC) (7)	PIC12C509(DIP)	PIC12C509(SOIC) (7)
PIC12C509A /OTP(DIP)	PIC12C509A /OTP(SOIC) (7)	PIC12C509A(DIP)	PIC12C509A(SOIC) (7)
PIC12C671 /OTP(DIP)	PIC12C671 /OTP(SOIC) (7)	PIC12C671(DIP)	PIC12C671(SOIC) (7)
PIC12C672 /OTP(DIP)	PIC12C672 /OTP(SOIC) (7)	PIC12C672(DIP)	PIC12C672(SOIC) (7)
PIC12CE673 /OTP(DIP)	PIC12CE673 /OTP(SOIC) (7)	PIC12CE673(DIP)	PIC12CE673(SOIC) (7)
PIC12CE674 /OTP(DIP)	PIC12CE674 /OTP(SOIC) (7)	PIC12CE674(DIP)	PIC12CE674(SOIC) (7)

---

**MICROCHIP PIC14****MICROCONTROLLERS**

PIC14C000	PIC14C000 /OTP
-----------	----------------

---

**MICROCHIP PIC16C5X****MICROCONTROLLERS**

PIC16C52-04(DIP)	PIC16C52-04(SOIC) (12)	PIC16C54/JW	PIC16C54-10(DIP)
PIC16C54-10(SOIC) (12)	PIC16C54-HS(DIP)	PIC16C54-HS(SOIC) (12)	PIC16C54-LP(DIP)
PIC16C54-LP(SOIC) (12)	PIC16C54-RC(DIP)	PIC16C54-RC(SOIC) (12)	PIC16C54-XT(DIP)
PIC16C54-XT(SOIC) (12)	PIC16C55/JW	PIC16C55-10(DIP)	PIC16C55-10(SOIC) (12)
PIC16C55-HS(DIP)	PIC16C55-HS(SOIC) (12)	PIC16C55-LP(DIP)	PIC16C55-LP(SOIC) (12)
PIC16C55-RC(DIP)	PIC16C55-RC(SOIC) (12)	PIC16C55-XT(DIP)	PIC16C55-XT(SOIC) (12)
PIC16C56/JW	PIC16C56-10(DIP)	PIC16C56-10(SOIC) (12)	PIC16C56-HS(DIP)
PIC16C56-HS(SOIC) (12)	PIC16C56-LP(DIP)	PIC16C56-LP(SOIC) (12)	PIC16C56-RC(DIP)
PIC16C56-RC(SOIC) (12)	PIC16C56-XT(DIP)	PIC16C56-XT(SOIC) (12)	PIC16C57/JW
PIC16C57-04	PIC16C57-10(DIP)	PIC16C57-10(SOIC) (12)	PIC16C57-HS(DIP)
PIC16C57-HS(SOIC) (12)	PIC16C57-LP(DIP)	PIC16C57-LP(SOIC) (12)	PIC16C57-RC(DIP)
PIC16C57-RC(SOIC) (12)	PIC16C57-XT(DIP)	PIC16C57-XT(SOIC) (12)	

---

**MICROCHIP PIC16C5XA/B/C****MICROCONTROLLERS**

PIC16C54A/JW	PIC16C54A-04(DIP)	PIC16C54A-04(SOIC) (12)	PIC16C54A-10(DIP)
PIC16C54A-10(SOIC) (12)	PIC16C54A-20(DIP)	PIC16C54A-20(SOIC) (12)	PIC16C54B/JW
PIC16C54B-04(DIP)	PIC16C54B-04(SOIC) (12)	PIC16C54B-10(DIP)	PIC16C54B-10(SOIC) (12)
PIC16C54B-20(DIP)	PIC16C54B-20(SOIC) (12)	PIC16C54C/JW	PIC16C54C-04(DIP)
PIC16C54C-04(SOIC) (12)	PIC16C54C-10(DIP)	PIC16C54C-10(SOIC) (12)	PIC16C54C-20(DIP)
PIC16C54C-20(SOIC) (12)	PIC16C55A/JW	PIC16C55A-04(DIP)	PIC16C55A-04(SOIC) (12)
PIC16C55A-10(DIP)	PIC16C55A-10(SOIC) (12)	PIC16C55A-20(DIP)	PIC16C55A-20(SOIC) (12)
PIC16C56A/JW	PIC16C56A-04(DIP)	PIC16C56A-04(SOIC) (12)	PIC16C56A-10(DIP)
PIC16C56A-10(SOIC) (12)	PIC16C56A-20(DIP)	PIC16C56A-20(SOIC) (12)	PIC16C57C/JW
PIC16C57C-04	PIC16C57C-10	PIC16C57C-20	PIC16C58A/JW
PIC16C58A-04(DIP)	PIC16C58A-04(SOIC) (12)	PIC16C58A-10(DIP)	PIC16C58A-10(SOIC) (12)
PIC16C58A-20(DIP)	PIC16C58A-20(SOIC) (12)	PIC16C58B/JW	PIC16C58B-04(DIP)
PIC16C58B-04(SOIC) (12)	PIC16C58B-10(DIP)	PIC16C58B-10(SOIC) (12)	PIC16C58B-20(DIP)
PIC16C58B-20(SOIC) (12)	PIC16LC54A-04(DIP)	PIC16LC54A-04(SOIC) (12)	PIC16LC58A-04(DIP)
PIC16LC58A-04(SOIC) (12)			

---

**MICROCHIP PIC16C5XX****MICROCONTROLLERS**

PIC16C505(DIP)	PIC16C505(SOIC) (3)	PIC16C554/JW	PIC16C554-04
PIC16C554-20	PIC16C556/JW	PIC16C556-04	PIC16C556-20
PIC16C558/JW	PIC16C558-04	PIC16C558-20	

---

**MICROCHIP PIC16C6X****MICROCONTROLLERS**

PIC16C61/JW	PIC16C61-04(DIP)	PIC16C61-04(SOIC) (12)	PIC16C61-20(DIP)
PIC16C61-20(SOIC) (12)	PIC16C62/JW	PIC16C62-04(DIP)	PIC16C62-04(SOIC) (12)
PIC16C62-10(DIP)	PIC16C62-10(SOIC) (12)	PIC16C62-20(DIP)	PIC16C62-20(SOIC) (12)
PIC16C63/JW	PIC16C63-04(DIP)	PIC16C63-04(SOIC) (12)	PIC16C63-10(DIP)
PIC16C63-10(SOIC) (12)	PIC16C63-20(DIP)	PIC16C63-20(SOIC) (12)	PIC16C64/JW(DIP)
PIC16C64/JW(PLCC) (23)	PIC16C64-04(DIP)	PIC16C64-04(PLCC) (23)	PIC16C64-10(DIP)
PIC16C64-10(PLCC) (23)	PIC16C64-20(DIP)	PIC16C64-20(PLCC) (23)	PIC16C65/JW(DIP)
PIC16C65/JW(PLCC) (23)	PIC16C65-04(DIP)	PIC16C65-04(PLCC) (23)	PIC16C65-10(DIP)
PIC16C65-10(PLCC) (23)	PIC16C65-20(DIP)	PIC16C65-20(PLCC) (23)	PIC16C66/JW
PIC16C66-04(DIP)	PIC16C66-04(SOIC) (12)	PIC16C66-10(DIP)	PIC16C66-10(SOIC) (12)
PIC16C66-20(DIP)	PIC16C66-20(SOIC) (12)	PIC16C67/JW(DIP)	PIC16C67/JW(PLCC) (23)
PIC16C67-04(DIP)	PIC16C67-04(PLCC) (23)	PIC16C67-10(DIP)	PIC16C67-10(PLCC) (23)
PIC16C67-20(DIP)	PIC16C67-20(PLCC) (23)	PIC16C61-04(DIP)	PIC16C61-04(SOIC) (12)
PIC16LC62-04(DIP)	PIC16LC62-04(SOIC) (12)	PIC16LC63-04(DIP)	PIC16LC63-04(SOIC) (12)
PIC16LC64-04(DIP)	PIC16LC64-04(PLCC) (23)	PIC16LC65-04(DIP)	PIC16LC65-04(PLCC) (23)

---

**MICROCHIP PIC16C6XA/B****MICROCONTROLLERS**

PIC16C62A/JW	PIC16C62A-04(DIP)	PIC16C62A-04(SOIC) (12)	PIC16C62A-10(DIP)
PIC16C62A-10(SOIC) (12)	PIC16C62A-20(DIP)	PIC16C62A-20(SOIC) (12)	PIC16C62B/JW
PIC16C62B-04(DIP)	PIC16C62B-04(SOIC) (12)	PIC16C62B-10(DIP)	PIC16C62B-10(SOIC) (12)
PIC16C62B-20(DIP)	PIC16C62B-20(SOIC) (12)	PIC16C63A/JW	PIC16C63A-04(DIP)
PIC16C63A-04(SOIC) (12)	PIC16C63A-10(DIP)	PIC16C63A-10(SOIC) (12)	PIC16C63A-20(DIP)
PIC16C63A-20(SOIC) (12)	PIC16C64A/JW(DIP)	PIC16C64A/JW(PLCC) (23)	PIC16C64A-04(DIP)
PIC16C64A-04(PLCC) (23)	PIC16C64A-10(DIP)	PIC16C64A-10(PLCC) (23)	PIC16C64A-20(DIP)
PIC16C64A-20(PLCC) (23)	PIC16C65A/JW(DIP)	PIC16C65A/JW(PLCC) (23)	PIC16C65A-04(DIP)
PIC16C65A-04(PLCC) (23)	PIC16C65A-10(DIP)	PIC16C65A-10(PLCC) (23)	PIC16C65A-20(DIP)
PIC16C65A-20(PLCC) (23)	PIC16C65B/JW(DIP)	PIC16C65B/JW(PLCC) (23)	PIC16C65B-04(DIP)
PIC16C65B-04(PLCC) (23)	PIC16C65B-10(DIP)	PIC16C65B-10(PLCC) (23)	PIC16C65B-20(DIP)
PIC16C65B-20(PLCC) (23)	PIC16LC62A-04(DIP)	PIC16LC62A-04(SOIC) (12)	PIC16LC64A-04(DIP)
PIC16LC64A-04(PLCC) (23)	PIC16LC65A-04(DIP)	PIC16LC65A-04(PLCC) (23)	

---

**MICROCHIP PIC16C6XX****MICROCONTROLLERS**

PIC16C620/JW	PIC16C620-04(DIP)	PIC16C620-04(SOIC) (12)	PIC16C620-20(DIP)
PIC16C620-20(SOIC) (12)	PIC16C620A/JW	PIC16C620A-04(DIP)	PIC16C620A-04(SOIC) (12)
PIC16C620A-20(DIP)	PIC16C620A-20(SOIC) (12)	PIC16C621/JW	PIC16C621-04(DIP)
PIC16C621-04(SOIC) (12)	PIC16C621-20(DIP)	PIC16C621-20(SOIC) (12)	PIC16C622/JW
PIC16C622-04	PIC16C622-20	PIC16C622A/JW	PIC16C622A-04
PIC16C622A-20	PIC16C641/JW	PIC16C641-04	PIC16C641-10
PIC16C641-20	PIC16C642/JW	PIC16C642-04	PIC16C642-10
PIC16C642-20	PIC16C661/JW(DIP)	PIC16C661/JW(PLCC) (23)	PIC16C661-04(DIP)
PIC16C661-04(PLCC) (23)	PIC16C661-10(DIP)	PIC16C661-10(PLCC) (23)	PIC16C661-20(DIP)
PIC16C661-20(PLCC) (23)	PIC16C662/JW(DIP)	PIC16C662/JW(PLCC) (23)	PIC16C662-04(DIP)
PIC16C662-04(PLCC) (23)	PIC16C662-10(DIP)	PIC16C662-10(PLCC) (23)	PIC16C662-20(DIP)
PIC16C662-20(PLCC) (23)	PIC16CE623(DIP)	PIC16CE623(SOIC) (12)	PIC16CE625(DIP)
PIC16CE625(SOIC) (12)	PIC16LC620-04(DIP)	PIC16LC620-04(SOIC) (12)	PIC16LC621-04(DIP)
PIC16LC621-04(SOIC) (12)	PIC16LC622-04		

---

**MICROCHIP PIC16C7X****MICROCONTROLLERS**

PIC16C71/JW	PIC16C71-04(DIP)	PIC16C71-04(SOIC) (12)	PIC16C71-20(DIP)
PIC16C71-20(SOIC) (12)	PIC16C72/JW	PIC16C72-04(DIP)	PIC16C72-04(SOIC) (12)
PIC16C72-10(DIP)	PIC16C72-10(SOIC) (12)	PIC16C72-20(DIP)	PIC16C72-20(SOIC) (12)
PIC16C73/JW	PIC16C73-04(DIP)	PIC16C73-04(SOIC) (12)	PIC16C73-10(DIP)
PIC16C73-10(SOIC) (12)	PIC16C73-20(DIP)	PIC16C73-20(SOIC) (12)	PIC16C73A/JW
PIC16C73A-04(DIP)	PIC16C73A-04(SOIC) (12)	PIC16C73A-10(DIP)	PIC16C73A-10(SOIC) (12)
PIC16C73A-20(DIP)	PIC16C73A-20(SOIC) (12)	PIC16C73B/JW	PIC16C73B-04(DIP)
PIC16C73B-04(SOIC) (12)	PIC16C73B-10(DIP)	PIC16C73B-10(SOIC) (12)	PIC16C73B-20(DIP)
PIC16C73B-20(SOIC) (12)	PIC16C74/JW(DIP)	PIC16C74/JW(PLCC) (23)	PIC16C74-04(DIP)
PIC16C74-04(PLCC) (23)	PIC16C74-10(DIP)	PIC16C74-10(PLCC) (23)	PIC16C74-20(DIP)
PIC16C74-20(PLCC) (23)	PIC16C74A/JW(DIP)	PIC16C74A/JW(PLCC) (23)	PIC16C74A-04(DIP)
PIC16C74A-04(PLCC) (23)	PIC16C74A-10(DIP)	PIC16C74A-10(PLCC) (23)	PIC16C74A-20(DIP)
PIC16C74A-20(PLCC) (23)	PIC16C74B/JW(DIP)	PIC16C74B/JW(PLCC) (23)	PIC16C74B-04(DIP)
PIC16C74B-04(PLCC) (23)	PIC16C74B-10(DIP)	PIC16C74B-10(PLCC) (23)	PIC16C74B-20(DIP)
PIC16C74B-20(PLCC) (23)	PIC16C76/JW	PIC16C76-04(DIP)	PIC16C76-04(SOIC) (12)
PIC16C76-10(DIP)	PIC16C76-10(SOIC) (12)	PIC16C76-20(DIP)	PIC16C76-20(SOIC) (12)
PIC16C77/JW(DIP)	PIC16C77/JW(PLCC) (23)	PIC16C77-04(DIP)	PIC16C77-04(PLCC) (23)
PIC16C77-10(DIP)	PIC16C77-10(PLCC) (23)	PIC16C77-20(DIP)	PIC16C77-20(PLCC) (23)
PIC16LC71-04(DIP)	PIC16LC71-04(SOIC) (12)	PIC16LC72-04(DIP)	PIC16LC72-04(SOIC) (12)
PIC16LC73-04(DIP)	PIC16LC73-04(SOIC) (12)	PIC16LC73A-04(DIP)	PIC16LC73A-04(SOIC) (12)
PIC16LC74-04(DIP)	PIC16LC74-04(PLCC) (23)	PIC16LC74A-04(DIP)	PIC16LC74A-04(PLCC) (23)

---

**MICROCHIP PIC16C7XX****MICROCONTROLLERS**

PIC16C710/JW	PIC16C710-04(DIP)	PIC16C710-04(SOIC) <b>(12)</b>	PIC16C710-10(DIP)
PIC16C710-10(SOIC) <b>(12)</b>	PIC16C710-20(DIP)	PIC16C710-20(SOIC) <b>(12)</b>	PIC16C711/JW
PIC16C711-04(DIP)	PIC16C711-04(SOIC) <b>(12)</b>	PIC16C711-10(DIP)	PIC16C711-10(SOIC) <b>(12)</b>
PIC16C711-20(DIP)	PIC16C711-20(SOIC) <b>(12)</b>	PIC16C715/JW	PIC16C715-04
PIC16C715-10	PIC16C715-20	PIC16C774/JW(DIP)	PIC16C774/JW(PLCC) <b>(23)</b>
PIC16LC710-04(DIP)	PIC16LC710-04(SOIC) <b>(12)</b>	PIC16LC711-04(DIP)	PIC16LC711-04(SOIC) <b>(12)</b>

---

**MICROCHIP PIC16C9XX****MICROCONTROLLERS**

PIC16C923(PLCC) <b>(60)</b>	PIC16C924(PLCC) <b>(60)</b>
-----------------------------	-----------------------------

---

**MICROCHIP PIC16X8X****MICROCONTROLLERS**

PIC16C84-04(DIP)	PIC16C84-04(SOIC) <b>(12)</b>	PIC16C84-10(DIP)	PIC16C84-10(SOIC) <b>(12)</b>
PIC16F83(DIP)	PIC16F83(SOIC) <b>(12)</b>	PIC16F84(DIP)	PIC16F84(SOIC) <b>(12)</b>
PIC16F84A(DIP)	PIC16F84A(SOIC) <b>(12)</b>	PIC16F873(DIP)	PIC16F873(SOIC) <b>(12)</b>
PIC16F874	PIC16F876(DIP)	PIC16F876(SOIC)	PIC16F877
PIC16LC84-04			

---

**MICROCHIP PIC17****MICROCONTROLLERS**

PIC17C42 /JW(DIP)	PIC17C42 /JW(PLCC) <b>(23)</b>	PIC17C42-16(DIP)	PIC17C42-16(PLCC) <b>(23)</b>
PIC17C42-25(DIP)	PIC17C42-25(PLCC) <b>(23)</b>	PIC17C42A /JW(DIP)	PIC17C42A /JW(PLCC) <b>(23)</b>
PIC17C42A-16(DIP)	PIC17C42A-16(PLCC) <b>(23)</b>	PIC17C42A-25(DIP)	PIC17C42A-25(PLCC) <b>(23)</b>
PIC17C42A-33(DIP)	PIC17C42A-33(PLCC) <b>(23)</b>	PIC17C43/JW(DIP)	PIC17C43/JW(PLCC) <b>(23)</b>
PIC17C43-16(DIP)	PIC17C43-16(PLCC) <b>(23)</b>	PIC17C43-25(DIP)	PIC17C43-25(PLCC) <b>(23)</b>
PIC17C43-33(DIP)	PIC17C43-33(PLCC) <b>(23)</b>	PIC17C44/JW(DIP)	PIC17C44/JW(PLCC) <b>(23)</b>
PIC17C44-16(DIP)	PIC17C44-16(PLCC) <b>(23)</b>	PIC17C44-25(DIP)	PIC17C44-25(PLCC) <b>(23)</b>
PIC17C44-33(DIP)	PIC17C44-33(PLCC) <b>(23)</b>	PIC17C752(PLCC) <b>(61)</b>	PIC17C756(PLCC) <b>(61)</b>
PIC17C756A(PLCC) <b>(61)</b>	PIC17LC42A-08(DIP)	PIC17LC42A-08(PLCC) <b>(23)</b>	PIC17LC43-08(DIP)
PIC17LC43-08(PLCC) <b>(23)</b>	PIC17LC44-08(DIP)	PIC17LC44-08(PLCC) <b>(23)</b>	

---

**MICROCHIP PIC18****MICROCONTROLLERS**

PIC17LC43-08(DIP)	PIC17LC43-08(PLCC) <b>(23)</b>
-------------------	--------------------------------

---

**MITSUBISHI****EPROMS**

M5L27128	M5L27128A	M5L2716	M5L27256
M5L2732	M5L2732A	M5L27512	M5L2764
M5L27C128	M5L27C256	M5M27C100K	M5M27C100P
M5M27C101K	M5M27C101P	M5M27C102K(DIP)	M5M27C102K(PLCC) <b>(23)</b>
M5M27C102P(DIP)	M5M27C102P(PLCC) <b>(23)</b>	M5M27C201K	M5M27C202K(DIP)
M5M27C202K(PLCC) <b>(23)</b>	M5M27C256AK-I	M5M27C401K	M5M27C402K(DIP)
M5M27C402K(PLCC) <b>(23)</b>	M5M27C512AK-I		

**EEPROMS/FLASH/NVRAM**

M29FB800(PSOP) <b>(42)</b>	M29FB800(TSOP) <b>(52)</b>	M29FT800(PSOP) <b>(42)</b>	M29FT800(TSOP) <b>(52)</b>
M5M28F102			

---

**MMI****PALS**

PAL10H8	PAL10H8-2	PAL10L8	PAL10L8-2
PAL12H6	PAL12H6-2	PAL12L10	PAL12L6
PAL12L6-2	PAL14H4	PAL14H4-2	PAL14L4
PAL14L4-2	PAL14L8	PAL16C1	PAL16C1-2
PAL16H2	PAL16H2-2	PAL16L2	PAL16L2-2
PAL16L6	PAL16L8	PAL16L8A	PAL16L8A-2
PAL16L8A-4	PAL16L8B	PAL16L8B-2	PAL16L8B-4
PAL16L8D	PAL16L8H-15	PAL16R4	PAL16R4A
PAL16R4A-2	PAL16R4A-4	PAL16R4B	PAL16R4B-2
PAL16R4B-4	PAL16R4D	PAL16R4H-15	PAL16R6
PAL16R6A	PAL16R6A-2	PAL16R6A-4	PAL16R6B
PAL16R6B-2	PAL16R6B-4	PAL16R6D	PAL16R6H-15
PAL16R8	PAL16R8A	PAL16R8A-2	PAL16R8A-4
PAL16R8B	PAL16R8B-2	PAL16R8B-4	PAL16R8D
PAL16R8H-15	PAL18L4	PAL20C1	PAL20L10
PAL20L10A	PAL20L2	PAL20L8-10	PAL20L8A
PAL20L8A-2	PAL20L8B	PAL20L8B-2	PAL20R4-10
PAL20R4A	PAL20R4A-2	PAL20R4B	PAL20R4B-2
PAL20R6-10	PAL20R6A	PAL20R6A-2	PAL20R6B
PAL20R6B-2	PAL20R8-10	PAL20R8A	PAL20R8A-2
PAL20R8B	PAL20R8B-2	PAL20X10	PAL20X10A
PAL20X4	PAL20X4A	PAL20X8	PAL20X8A

---

**MOSTEK****EPROMS**

MK2716
--------

---

## MOTOROLA

### MICROCONTROLLERS

MC68701U4	MC68705P3(DIP)	MC68705P3(SOIC) (12)	MC68705P5(DIP)
MC68705P5(SOIC) (12)	MC68705R3	MC68705R5	MC68705U3
MC68705U5	MC68HC11A1(DIP)	MC68HC11A1(PLCC)	MC68HC11A8(DIP)
MC68HC11A8(PLCC)	MC68HC11E1(PLCC)	MC68HC11E9(DIP)	MC68HC11E9(PLCC) (54)
MC68HC705C8(DIP)	MC68HC705C8(PLCC) (23)	MC68HC705C8A(DIP)	MC68HC705C8A(PLCC) (23)
MC68HC705C8A-QFP(QFP) (44)	MC68HC705C9(DIP)	MC68HC705C9(PLCC) (23)	MC68HC705C9A(DIP)
MC68HC705C9A(PLCC) (23)	MC68HC705C9A-QFP(QFP) (44)	MC68HC705D9	MC68HC705P6(DIP)
MC68HC705P6(SOIC) (12)	MC68HC705P6A(DIP)	MC68HC705P6A(SOIC) (12)	MC68HC705X4(DIP)
MC68HC705X4(SOIC) (12)	MC68HC711D3(DIP)	MC68HC711D3(PLCC) (23)	MC68HC711E20(PLCC) (54)
MC68HC711E9(PLCC) (54)	XC68HC705X4(SOIC) (12)		

---

## NATIONAL SEMICONDUCTOR

### EPROMS

NM27C010(DIP)	NM27C010(PLCC) (15)	NM27C020(DIP)	NM27C020(PLCC) (15)
NM27C040	NM27C128(DIP)	NM27C128(PLCC) (14)	NM27C210(DIP)
NM27C210(PLCC) (23)	NM27C240(DIP)	NM27C240(PLCC) (23)	NM27C256(DIP)
NM27C256(PLCC) (14)	NM27C512(DIP)	NM27C512(PLCC) (14)	NM27LC256
NM27LC512	NM27LV010(DIP)	NM27LV010(PLCC) (15)	NM27LV010(TSOP) (16)
NM27LV210(DIP)	NM27LV210(PLCC) (23)	NM27LV512(DIP)	NM27LV512(PLCC) (14)
NM27P040	NM27P210(DIP)	NM27P210(PLCC) (23)	NM27P512(DIP)
NM27P512(PLCC) (14)	NMC27C010	NMC27C020	NMC27C1024(DIP)
NMC27C1024(PLCC) (23)	NMC27C128B	NMC27C16	NMC27C16B
NMC27C16H	NMC27C2048(DIP)	NMC27C2048(PLCC) (23)	NMC27C256
NMC27C256B	NMC27C32	NMC27C32B	NMC27C32H
NMC27C512A	NMC27C64	NMC27C64B	NMC27C64BN
NMC27CP128B			

### SERIAL (E)EPROMS

NM24C02(DIP)	NM24C02(SOIC) (3)	NM24C02L(DIP)	NM24C02L(SOIC) (3)
NM24C03(DIP)	NM24C03(SOIC) (3)	NM24C03L(DIP)	NM24C03L(SOIC) (3)
NM24C04(DIP)	NM24C04(SOIC) (3)	NM24C04L(DIP)	NM24C04L(SOIC) (3)
NM24C05(DIP)	NM24C05(SOIC) (3)	NM24C05L(DIP)	NM24C05L(SOIC) (3)
NM24C08(DIP)	NM24C08(SOIC) (3)	NM24C08L(DIP)	NM24C08L(SOIC) (3)
NM24C09(DIP)	NM24C09(SOIC) (3)	NM24C09L(DIP)	NM24C09L(SOIC) (3)
NM24C16(DIP)	NM24C16(SOIC) (3)	NM24C16L(DIP)	NM24C16L(SOIC) (3)
NM24C17(DIP)	NM24C17(SOIC) (3)	NM24C17L(DIP)	NM24C17L(SOIC) (3)
NM25C020(DIP)	NM25C020(SOIC) (3)	NM25C020L(DIP)	NM25C020L(SOIC) (3)
NM25C04(DIP)	NM25C04(SOIC) (3)	NM25C04L(DIP)	NM25C04L(SOIC) (3)
NM93C06(DIP)	NM93C06(SOIC) (3)	NM93C06L(DIP)	NM93C06L(SOIC) (3)
NM93C06LZ(DIP)	NM93C06LZ(SOIC) (3)	NM93C46(DIP)	NM93C46(SOIC) (3)
NM93C46A(DIP)	NM93C46A(SOIC) (3)	NM93C46AL(DIP)	NM93C46AL(SOIC) (3)
NM93C46L(DIP)	NM93C46L(SOIC) (3)	NM93C46LZ(DIP)	NM93C46LZ(SOIC) (3)
NM93C46XLZ(DIP)	NM93C46XLZ(SOIC) (3)	NM93C56(DIP)	NM93C56(SOIC) (3)
NM93C56L(DIP)	NM93C56L(SOIC) (3)	NM93C56LZ(DIP)	NM93C56LZ(SOIC) (3)
NM93C66(DIP)	NM93C66(SOIC) (3)	NM93C66L(DIP)	NM93C66L(SOIC) (3)
NM93C66LZ(DIP)	NM93C66LZ(SOIC) (3)	NM93CS06(DIP)	NM93CS06(SOIC) (3)
NM93CS06L(DIP)	NM93CS06L(SOIC) (3)	NM93CS06LZ(DIP)	NM93CS06LZ(SOIC) (3)
NM93CS46(DIP)	NM93CS46(SOIC) (3)	NM93CS46L(DIP)	NM93CS46L(SOIC) (3)
NM93CS46LZ(DIP)	NM93CS46LZ(SOIC) (3)	NM93CS56(DIP)	NM93CS56(SOIC) (3)
NM93CS56L(DIP)	NM93CS56L(SOIC) (3)	NM93CS56LZ(DIP)	NM93CS56LZ(SOIC) (3)
NM93CS66(DIP)	NM93CS66(SOIC) (3)	NM93CS66L(DIP)	NM93CS66L(SOIC) (3)
NM93CS66LZ(DIP)	NM93CS66LZ(SOIC) (3)	NM95C12(DIP)	NM95C12(SOIC) (3)
NMC9306(DIP)	NMC9306(SOIC) (3)	NMC9307	NMC9313B
NMC9314B	NMC9346	NMC93C06	NMC93C26
NMC93C46	NMC93C56	NMC93C66	NMC93C86
NMC93CS06	NMC93CS56	NMC93CS66	

### MICROCONTROLLERS

COP8780C	COP8781C	COP8782C
----------	----------	----------

### BPROMS

DM74S188	DM74S287	DM74S288	DM74S387
DM74S471	DM74S472	DM74S473	DM74S570
DM74S571			

---

## NEC

### EPROMS

uPD27128	uPD2716	uPD27256	uPD27256A
uPD2732	uPD2732A	uPD27512	uPD2764
uPD27C1000	uPD27C1000A	uPD27C1001	uPD27C1001A
uPD27C1024(DIP)	uPD27C1024(PLCC) (23)	uPD27C1024D(DIP)	uPD27C1024D(PLCC) (23)
uPD27C128	uPD27C128A	uPD27C2001	uPD27C2001D
uPD27C256	uPD27C256A	uPD27C4001	uPD27C512C
uPD27C512D	uPD27C64	uPD27C64A	uPD27C64D
uPD27C8001			

### MICROCONTROLLERS

D8748H	D8749H
--------	--------

---

## OKI

### EPROMS

MR27V1602D(DIP)	MR27V1602D(PSOP) (42)	MR27V852D(DIP)	MR27V852D(PSOP) (42)
MR27V852D(SOJ)	MSM271000	MSM271000ZB	MSM271024(DIP)
MSM271024(PLCC) (23)	MSM271024ZB(DIP)	MSM271024ZB(PLCC) (23)	MSM27128A
MSM27128AZB	MSM2716	MSM27256	MSM27256ZB
MSM2732	MSM2732A	MSM27512	MSM27512ZB
MSM2764	MSM2764A	MSM2764AZB	MSM27C1024(DIP)
MSM27C1024(PLCC) (23)	MSM27C2000	MSM27C2048(DIP)	MSM27C2048(PLCC) (23)

---

**OKI ...****EPROMS**

MSM27C256	MSM27C256H	MSM27C256H2B	MSM27C256ZB
EEPROMS/FLASH/NVRAM			
MSM28C16A	MSM28C256	MSM28C64A	

---

**PHILIPS/SIGNETICS****EPROMS**

27C010	27C210A(DIP)	27C210A(PLCC) (23)	27C256A
27C512A	27C64A		

**SERIAL (E)EPROMS**

PCA8582B	PCF8581	PCF8581C	PCF8582A
PCF8582C	PCF8594C	PCF8598C	

**MICROCONTROLLERS**

P51XA-G3(PLCC) (23)	P87C552(PLCC) (67)	P87C554(PLCC) (67)	P87LPC762(DIP)
P87LPC762(SOIC) (12)	P87LPC764(DIP)	P87LPC764(SOIC)	P87LPC767(DIP)
P87LPC767(SOIC)	P87LPC769(DIP)	P87LPC769(SOIC)	P89C51(DIP)
P89C51(PLCC) (23)	P89C51RA+(DIP)	P89C51RA+(PLCC) (23)	P89C51RB+(DIP)
P89C51RB+(PLCC) (23)	P89C51RC+(DIP)	P89C51RC+(PLCC) (23)	P89C51RD+(DIP)
P89C51RD+(PLCC) (23)	P89C52(DIP)	P89C52(PLCC) (23)	P89C54(DIP)
P89C54(PLCC) (23)	P89C58(DIP)	P89C58(PLCC) (23)	S87L51FA(DIP)
S87L51FA(PLCC) (23)	S87L51FB(DIP)	S87L51FB(PLCC) (23)	SC87C451(PLCC) (66)
SC87C51(DIP)	SC87C51(PLCC) (23)	SC87C51FA(DIP)	SC87C51FA(PLCC) (23)
SC87C51FB(DIP)	SC87C51FB(PLCC) (23)	SC87C51FC(DIP)	SC87C51FC(PLCC) (23)
SC87C51RA+(DIP)	SC87C51RA+(PLCC) (23)	SC87C51RB+(DIP)	SC87C51RB+(PLCC) (23)
SC87C51RC+(DIP)	SC87C51RC+(PLCC) (23)	SC87C51RD+(DIP)	SC87C51RD+(PLCC) (23)
SC87C52(DIP)	SC87C52(PLCC) (23)	SC87C524(DIP)	SC87C524(PLCC) (23)
SC87C528(DIP)	SC87C528(PLCC) (23)	SC87C54(DIP)	SC87C54(PLCC) (23)
SC87C550	SC87C552(PLCC) (67)	SC87C575	SC87C58(DIP)
SC87C58(PLCC) (23)	SC87C592(PLCC) (68)	SC87C652(DIP)	SC87C652(PLCC) (23)
SC87C654(DIP)	SC87C654(PLCC) (23)	SC87C750	SC87C751
SC87C752			

**BPROMS**

82HS191	82HS641	82LHS191	82LHS321
82LS135(DIP)	82LS135(PLCC) (4)	82LS180	82LS181
82S123	82S126(DIP)	82S126A(DIP)	82S129(DIP)
82S129A(DIP)	82S130(DIP)	82S131(DIP)	82S135(DIP)
82S135(PLCC) (4)	82S137	82S140	82S141
82S147(DIP)	82S147(PLCC) (4)	82S180	82S181
82S185	82S191	82S23A	82S2708
82S321	82US123	82US23	

**PALS**

P3C18V8Z(DIP)	P3C18V8Z(SOIC) (12)	P5Z22V10(PLCC)	P5Z22V10(SOIC) (12)
PLC18V8Z(DIP)	PLC18V8Z(PLCC) (4)	PLC18V8Z(SOIC) (12)	PLC18V8Z-25(DIP)
PLC18V8Z-25(PLCC) (4)	PLC18V8Z-25(SOIC) (12)	PLC18V8Z-35(DIP)	PLC18V8Z-35(PLCC) (4)
PLC18V8Z-35(SOIC) (12)	PLC18V8ZA(DIP)	PLC18V8ZA(PLCC) (4)	PLC18V8ZA(SOIC) (12)
PLC42VA12(DIP)	PLC42VA12(PLCC)	PLS153(DIP)	PLS153(PLCC) (4)
PLS153A(DIP)	PLS153A(PLCC) (4)	PLS173	PLUS153(DIP)
PLUS153(PLCC) (4)	PLUS153-10(DIP)	PLUS153-10(PLCC) (4)	PLUS153A(DIP)
PLUS153A(PLCC) (4)	PLUS153B(DIP)	PLUS153B(PLCC) (4)	PLUS153D(DIP)
PLUS153D(PLCC) (4)	PLUS16L8-7(DIP)	PLUS16L8-7(PLCC) (4)	PLUS16L8D(DIP)
PLUS16L8D(PLCC) (4)	PLUS16R4-7(DIP)	PLUS16R4-7(PLCC) (4)	PLUS16R4D(DIP)
PLUS16R4D(PLCC) (4)	PLUS16R6-7(DIP)	PLUS16R6-7(PLCC) (4)	PLUS16R6D(DIP)
PLUS16R6D(PLCC) (4)	PLUS16R8-7(DIP)	PLUS16R8-7(PLCC) (4)	PLUS16R8D(DIP)
PLUS16R8D(PLCC) (4)	PLUS173-10	PLUS173B	PLUS173D
PLUS20L8-7(DIP)	PLUS20L8-7(PLCC)	PLUS20L8D(DIP)	PLUS20L8D(PLCC)
PLUS20R4-7(DIP)	PLUS20R4-7(PLCC)	PLUS20R4D(DIP)	PLUS20R4D(PLCC)
PLUS20R6-7(DIP)	PLUS20R6-7(PLCC)	PLUS20R6D(DIP)	PLUS20R6D(PLCC)
PLUS20R8-7(DIP)	PLUS20R8-7(PLCC)	PLUS20R8D(DIP)	PLUS20R8D(PLCC)

---

**SAMSUNG****EEPROMS/FLASH/NVRAM**

KM28C16	KM28C17(DIP)	KM28C17(PLCC) (14)	KM28C256(DIP)
KM28C256(PLCC) (14)	KM28C64(DIP)	KM28C64(PLCC) (14)	KM28C65(DIP)
KM28C65(PLCC) (14)	KM28U800B(PSOP) (42)	KM28U800B(TSOP) (52)	KM28U800T(PSOP) (42)
KM28U800T(TSOP) (52)	KM5MU0820B(TSOP) (53)	KM5MU0820T(TSOP) (53)	

---

**SEEQ****EPROMS**

27128	2764	27C256	
-------	------	--------	--

**EEPROMS/FLASH/NVRAM**

2804A	2816A	2816AH	2817A
2817AH	2864(DIP)	2864(PLCC) (14)	2864H(DIP)
2864H(PLCC) (14)	28C010	28C256(DIP)	28C256(PLCC) (14)
28C256K(DIP)	28C256K(PLCC) (14)	28C64(DIP)	28C64(PLCC) (14)
28C64A(DIP)	28C64A(PLCC) (14)	28C65(DIP)	28C65(PLCC) (14)
36C16	36C32	38C16	38C32(DIP)
38C32(PLCC) (14)	47F010(DIP)	47F010(PLCC) (15)	47F512(DIP)
47F512(PLCC) (15)	48F010(DIP)	48F010(PLCC) (15)	48F512(DIP)
48F512(PLCC) (15)	52B13	52B13H	52B33
52B33H	5516A	5516AH	5517A

---

**SEIKO INSTRUMENTS****SERIAL (E)EPROMS**

S-24C01B(DIP)	S-24C01B(SOIC) (3)	S-24C02B(DIP)	S-24C02B(SOIC) (3)
S-24C04B(DIP)	S-24C04B(SOIC) (3)	S-24C08B(DIP)	S-24C08B(SOIC) (3)
S-24C16B(DIP)	S-24C16B(SOIC) (3)	S-29430A(DIP)	S-29430A(SOIC) (3)
S-29530AD(DIP)	S-29530AD(SOIC) (3)	S-29L130A(DIP)	S-29L130A(SOIC) (3)
S-29L220A(DIP)	S-29L220A(SOIC) (3)	S-29L330A(DIP)	S-29L330A(SOIC) (3)

---

**SEIKO INSTRUMENTS ...****SERIAL (E)EPROMS**

S-93C46AD(DIP)	S-93C46AD(SOIC) <sup>(3)</sup>	S-93C56AD(DIP)	S-93C56AD(SOIC) <sup>(3)</sup>
S-93C66AD(DIP)	S-93C66AD(SOIC) <sup>(3)</sup>		

**SGS-THOMSON****SERIAL (E)EPROMS**

M24128	M24256	M24C01(DIP)	M24C01(SOIC) <sup>(3)</sup>
M24C01-R(DIP)	M24C01-R(SOIC) <sup>(3)</sup>	M24C01-W(DIP)	M24C01-W(SOIC) <sup>(3)</sup>
M24C02(DIP)	M24C02(SOIC) <sup>(3)</sup>	M24C02-R(DIP)	M24C02-R(SOIC) <sup>(3)</sup>
M24C02-W(DIP)	M24C02-W(SOIC) <sup>(3)</sup>	M24C04(DIP)	M24C04(SOIC) <sup>(3)</sup>
M24C04-R(DIP)	M24C04-R(SOIC) <sup>(3)</sup>	M24C04-W(DIP)	M24C04-W(SOIC) <sup>(3)</sup>
M24C08(DIP)	M24C08(SOIC) <sup>(3)</sup>	M24C08-R(DIP)	M24C08-R(SOIC) <sup>(3)</sup>
M24C08-W(DIP)	M24C08-W(SOIC) <sup>(3)</sup>	M24C16(DIP)	M24C16(SOIC) <sup>(3)</sup>
M24C16-R(DIP)	M24C16-R(SOIC) <sup>(3)</sup>	M24C16-W(DIP)	M24C16-W(SOIC) <sup>(3)</sup>
M9306	M9346	M93C56	ST24C01(DIP)
ST24C01(SOIC) <sup>(3)</sup>	ST24C02(DIP)	ST24C02(SOIC) <sup>(3)</sup>	ST24C04(DIP)
ST24C04(SOIC) <sup>(3)</sup>	ST24C08(DIP)	ST24C08(SOIC) <sup>(3)</sup>	ST24C16(DIP)
ST24C16(SOIC) <sup>(3)</sup>	ST24C16C	ST25C01(DIP)	ST25C01(SOIC) <sup>(3)</sup>
ST25C02(DIP)	ST25C02(SOIC) <sup>(3)</sup>	ST25C02CB	ST25C04(DIP)
ST25C04(SOIC) <sup>(3)</sup>	ST25C08(DIP)	ST25C08(SOIC) <sup>(3)</sup>	ST93C06(DIP)
ST93C06(SOIC) <sup>(3)</sup>	ST93C46(DIP)	ST93C46(SOIC) <sup>(3)</sup>	ST93C46A(DIP)
ST93C46A(SOIC) <sup>(3)</sup>	ST93C56(DIP)	ST93C56(SOIC) <sup>(3)</sup>	ST93CS46
ST93CS47(DIP)	ST93CS47(SOIC) <sup>(3)</sup>	ST93CS47B(DIP)	ST93CS47B(SOIC) <sup>(3)</sup>
ST93CS56(DIP)	ST93CS56(SOIC) <sup>(3)</sup>	ST93CS57(DIP)	ST93CS57(SOIC) <sup>(3)</sup>
ST93CS66(DIP)	ST93CS66(SOIC) <sup>(3)</sup>	ST93CS67(DIP)	ST93CS67(SOIC) <sup>(3)</sup>

**MICROCONTROLLERS**

Z86E11	Z86E21
--------	--------

**PALS**

GAL16V8(DIP)	GAL16V8(PLCC) <sup>(4)</sup>	GAL16V8-conv(1)	GAL20V8(DIP)
GAL20V8(PLCC)	GAL20V8-conv(2)	GAL6001S(DIP)	GAL6001S(PLCC)

**SGS-THOMSON M27****EPROMS**

M27128A	M2716	M27256	M2732A
M27512	M2764A		

**SGS-THOMSON M27C****EPROMS**

M27C1000	M27C1001(DIP)	M27C1001(PLCC) <sup>(15)</sup>	M27C1024(DIP)
M27C1024(PLCC) <sup>(23)</sup>	M27C128A	M27C160(DIP)	M27C160(PSOP) <sup>(42)</sup>
M27C2001(DIP)	M27C2001(PLCC) <sup>(15)</sup>	M27C202(DIP)	M27C202(PLCC) <sup>(23)</sup>
M27C256B(DIP)	M27C256B(PLCC) <sup>(14)</sup>	M27C256B(SOIC) <sup>(12)</sup>	M27C256B(TSOP)
M27C322	M27C400	M27C4001(DIP)	M27C4001(PLCC) <sup>(15)</sup>
M27C4002(DIP)	M27C4002(PLCC) <sup>(23)</sup>	M27C512(DIP)	M27C512(PLCC) <sup>(14)</sup>
M27C512(TSOP)	M27C516(DIP)	M27C516(PLCC) <sup>(23)</sup>	M27C64A
M27C800(DIP)	M27C800(PLCC) <sup>(23)</sup>	M27C801	

**SGS-THOMSON M27V****EPROMS**

M27V101(DIP)	M27V101(PLCC) <sup>(15)</sup>	M27V102(DIP)	M27V102(PLCC) <sup>(23)</sup>
M27V160(DIP)	M27V160(PSOP) <sup>(42)</sup>	M27V201	M27V256(DIP)
M27V256(PLCC) <sup>(14)</sup>	M27V256(TSOP)	M27V322	M27V401
M27V402(DIP)	M27V402(PLCC) <sup>(23)</sup>	M27V512(DIP)	M27V512(PLCC) <sup>(14)</sup>
M27V512(TSOP)	M27V800(DIP)	M27V800(PLCC) <sup>(23)</sup>	M27V801(DIP)
M27V801(PLCC) <sup>(15)</sup>	M27V801(TSOP) <sup>(16)</sup>		

**SGS-THOMSON M27W****EPROMS**

M27W101	M27W102(DIP)	M27W102(PLCC) <sup>(23)</sup>	M27W201(DIP)
M27W201(PLCC) <sup>(15)</sup>	M27W201(TSOP) <sup>(16)</sup>	M27W401(DIP)	M27W401(PLCC) <sup>(15)</sup>
M27W401(TSOP) <sup>(16)</sup>	M27W402(DIP)	M27W402(PLCC) <sup>(23)</sup>	M27W512(DIP)
M27W512(PLCC) <sup>(14)</sup>	M27W512(TSOP)	M27W801(DIP)	M27W801(PLCC) <sup>(15)</sup>
M27W801(TSOP) <sup>(16)</sup>			

**SGS-THOMSON M28F****EEPROMS/FLASH/NVRAM**

M28C64C	M28F101(DIP)	M28F101(PLCC) <sup>(15)</sup>	M28F102(DIP)
M28F102(PLCC) <sup>(23)</sup>	M28F201(DIP)	M28F201(PLCC) <sup>(15)</sup>	M28F201(TSOP) <sup>(16)</sup>
M28F256(DIP)	M28F256(PLCC) <sup>(15)</sup>	M28F256A(DIP)	M28F256A(PLCC) <sup>(15)</sup>
M28F410(PSOP) <sup>(42)</sup>	M28F420(PSOP) <sup>(42)</sup>	M28F512(DIP)	M28F512(PLCC) <sup>(15)</sup>

**SGS-THOMSON M29W****EEPROMS/FLASH/NVRAM**

M29W040(DIP)	M29W040(PLCC) <sup>(15)</sup>	M29W040(TSOP) <sup>(16)</sup>	M29W400B(PSOP) <sup>(42)</sup>
M29W400B(TSOP) <sup>(52)</sup>	M29W400T(PSOP) <sup>(42)</sup>	M29W400T(TSOP) <sup>(52)</sup>	M29W512B(PLCC) <sup>(15)</sup>
M29W512B(TSOP) <sup>(16)</sup>			

**SGS-THOMSON M87****EPROMS**

M87C257(DIP)	M87C257(PLCC) <sup>(14)</sup>
--------------	-------------------------------

**SGS-THOMSON MK48****EEPROMS/FLASH/NVRAM**

MK48T08	MK48T18	MK48Z08	MK48Z18
---------	---------	---------	---------



---

## SGS-THOMSON ST6E

### MICROCONTROLLERS

ST62E00(DIP)	ST62E00(SOIC) (12)	ST62E00C(DIP)	ST62E00C(SOIC) (12)
ST62E01(DIP)	ST62E01(SOIC) (12)	ST62E01C(DIP)	ST62E01C(SOIC) (12)
ST62E03(DIP)	ST62E03(SOIC) (12)	ST62E03C(DIP)	ST62E03C(SOIC) (12)
ST62E08(DIP)	ST62E08(SOIC) (12)	ST62E09(DIP)	ST62E09(SOIC) (12)
ST62E10(DIP)	ST62E10(SOIC) (12)	ST62E15(DIP)	ST62E15(SOIC) (12)
ST62E15C(DIP)	ST62E15C(SOIC) (12)	ST62E18C(DIP)	ST62E18C(SOIC) (12)
ST62E20(DIP)	ST62E20(SOIC) (12)	ST62E20B(DIP)	ST62E20B(SOIC) (12)
ST62E20C(DIP)	ST62E20C(SOIC) (12)	ST62E25(DIP)	ST62E25(SOIC) (12)
ST62E25B(DIP)	ST62E25B(SOIC) (12)	ST62E25C(DIP)	ST62E25C(SOIC) (12)
ST62E28C(DIP)	ST62E28C(SOIC) (12)	ST62E30B(DIP)	ST62E30B(SOIC) (12)
ST62E32B(SDIP)	ST62E60(DIP)	ST62E60(SOIC) (12)	ST62E60B(DIP)
ST62E60B(SOIC) (12)	ST62E60C(DIP)	ST62E60C(SOIC) (12)	ST62E62B(DIP)
ST62E62B(SOIC) (12)	ST62E62C(DIP)	ST62E62C(SOIC) (12)	ST62E65(DIP)
ST62E65(SOIC) (12)	ST62E65B(DIP)	ST62E65B(SOIC) (12)	ST62E65C(DIP)
ST62E65C(SOIC) (12)			

---

## SGS-THOMSON ST6T

### MICROCONTROLLERS

ST62T00(DIP)	ST62T00(SOIC) (12)	ST62T00C(DIP)	ST62T00C(SOIC) (12)
ST62T01(DIP)	ST62T01(SOIC) (12)	ST62T01C(DIP)	ST62T01C(SOIC) (12)
ST62T03(DIP)	ST62T03(SOIC) (12)	ST62T03C(DIP)	ST62T03C(SOIC) (12)
ST62T08(DIP)	ST62T08(SOIC) (12)	ST62T08C(DIP)	ST62T08C(SOIC) (12)
ST62T09(DIP)	ST62T09(SOIC) (12)	ST62T09C(DIP)	ST62T09C(SOIC) (12)
ST62T10(DIP)	ST62T10(SOIC) (12)	ST62T10C(DIP)	ST62T10C(SOIC) (12)
ST62T15(DIP)	ST62T15(SOIC) (12)	ST62T15B(DIP)	ST62T15B(SOIC) (12)
ST62T15C(DIP)	ST62T15C(SOIC) (12)	ST62T18C(DIP)	ST62T18C(SOIC) (12)
ST62T20(DIP)	ST62T20(SOIC) (12)	ST62T20B(DIP)	ST62T20B(SOIC) (12)
ST62T20C(DIP)	ST62T20C(SOIC) (12)	ST62T25(DIP)	ST62T25(SOIC) (12)
ST62T25B(DIP)	ST62T25B(SOIC) (12)	ST62T25C(DIP)	ST62T25C(SOIC) (12)
ST62T28C(DIP)	ST62T28C(SOIC) (12)	ST62T30B(DIP)	ST62T30B(SOIC) (12)
ST62T32B(SDIP)	ST62T52B(DIP)	ST62T52B(SOIC) (12)	ST62T52C(DIP)
ST62T52C(SOIC) (12)	ST62T53B(DIP)	ST62T53B(SOIC) (12)	ST62T53C(DIP)
ST62T53C(SOIC) (12)	ST62T60(DIP)	ST62T60(SOIC) (12)	ST62T60B(DIP)
ST62T60B(SOIC) (12)	ST62T60C(DIP)	ST62T60C(SOIC) (12)	ST62T62B(DIP)
ST62T62B(SOIC) (12)	ST62T62C(DIP)	ST62T62C(SOIC) (12)	ST62T63B(DIP)
ST62T63B(SOIC) (12)	ST62T63C(DIP)	ST62T63C(SOIC) (12)	ST62T65(DIP)
ST62T65(SOIC) (12)	ST62T65B(DIP)	ST62T65B(SOIC) (12)	ST62T65C(DIP)
ST62T65C(SOIC) (12)			

---

## SGS-THOMSON(old)

### EPROMS

ET2716	ETC2716	ETC2732	ST27128AP
ST27256P	ST2764AP	ST27C1001	ST27C256P
TS27C256Q	TS27C64AP	TS27C64AQ	

---

## SHARP

### EEPROMS/FLASH/NVRAM

28F004SC(PSOP) (43)	28F004SC(TSOP) (18)	28F004SC-L(PSOP) (43)	28F004SC-L(TSOP) (18)
28F004SU-L(TSOP) (18)	28F004SU-NC(TSOP) (18)	28F008SA(TSOP) (18)	28F008SC(TSOP) (18)
28F016SC(PSOP) (43)	28F016SC(TSOP) (18)	28F016SU(TSOP) (58)	28F020SU(TSOP) (16)
28F040SU-D(TSOP) (18)	28F400BG-B(TSOP) (52)	28F400BG-T(TSOP) (52)	28F400BV-B(TSOP) (52)
28F400BVH-B(TSOP) (52)	28F400BVH-T(TSOP) (52)	28F400BV-T(TSOP) (52)	28F400SU-LC(TSOP) (59)
28F800BV-B(TSOP) (52)	28F800BVH-B(TSOP) (52)	28F800BVH-T(TSOP) (52)	28F800BV-T(TSOP) (52)

---

## SIEMENS

### SERIAL (E)EPROMS

SDA2516	SDA2526	SDA2546	SDA2586
SDA3526	SDA3546	SDA3586	SDE2526
SLA24C01	SLA24C02	SLA24C04	SLA24C08
SLA24C16	SLA24C164	SLA24C32	SLA24C64

### MICROCONTROLLERS

SAB-C501(DIP)	SAB-C501(PLCC) (23)	SAB-C501(QFP) (44)	SAB-C504(QFP) (44)
SAB-C505A(QFP) (44)	SAB-C505CA(QFP) (44)	SAB-C513A(DIP)	SAB-C513A(PLCC) (23)
SAB-C513A(QFP) (44)	SAB-C513AO(DIP)	SAB-C513AO(PLCC) (23)	SAB-C513AO(QFP) (44)
SAB-C515C(QFP) (78)	SAB-C540U(DIP)	SAB-C540U(PLCC) (23)	SAB-C541U(DIP)
SAB-C541U(PLCC) (23)	SAF-C505A(QFP) (44)	SAF-C505CA(QFP) (44)	SAF-C513A(DIP)
SAF-C513A(PLCC) (23)	SAF-C513A(QFP) (44)	SAF-C513AO(DIP)	SAF-C513AO(PLCC) (23)
SAF-C513AO(QFP) (44)	SAF-C515C(QFP) (78)		

---

## SST

### EEPROMS/FLASH/NVRAM

27SF010(DIP)	27SF010(PLCC) (15)	27SF010(TSOP) (16)	27SF020(DIP)
27SF020(PLCC) (15)	27SF020(TSOP) (16)	27SF256(DIP)	27SF256(PLCC) (14)
27SF512(DIP)	27SF512(PLCC) (14)	27VF040(DIP)	27VF040(PLCC) (15)
27VF040(TSOP) (16)	28LF040(DIP)	28LF040(PLCC) (15)	28LF040(TSOP) (16)
28LS040(DIP)	28LS040(PLCC) (15)	28SF040(DIP)	28SF040(PLCC) (15)
28SF040(TSOP) (16)	28SF040A(DIP)	28SF040A(PLCC) (15)	28SF040A(TSOP) (16)
28VF040(DIP)	28VF040(PLCC) (15)	28VF040(TSOP) (16)	29EE010(DIP)
29EE010(PLCC) (15)	29EE010(TSOP) (16)	29EE020(DIP)	29EE020(PLCC) (15)
29EE020(TSOP) (16)	29EE512(DIP)	29EE512(PLCC) (15)	29EE512(TSOP) (16)
29LE010(DIP)	29LE010(PLCC) (15)	29LE010(TSOP) (16)	29LE020(DIP)
29LE020(PLCC) (15)	29LE020(TSOP) (16)	29LE512(DIP)	29LE512(PLCC) (15)
29LE512(TSOP) (16)	29VE010(DIP)	29VE010(PLCC) (15)	29VE010(TSOP) (16)
29VE020(DIP)	29VE020(PLCC) (15)	29VE020(TSOP) (16)	29VE512(DIP)

---

## SST ...

### EEPROMS/FLASH/NVRAM

29VE512(PLCC) (15)	29VE512(TSOP) (16)	37VF010(DIP)	37VF010(PLCC) (15)
37VF010(TSOP) (16)	37VF020(DIP)	37VF020(PLCC) (15)	37VF020(TSOP) (16)
37VF040(DIP)	37VF040(PLCC) (15)	37VF040(TSOP) (16)	37VF512(DIP)
37VF512(PLCC) (15)	37VF512(TSOP) (16)	38UF166(TSOP) (52)	38VF166(TSOP) (52)
39SF010(DIP)	39SF010(PLCC) (15)	39SF010(TSOP) (16)	39SF020(DIP)
39SF020(PLCC) (15)	39SF020(TSOP) (16)	39SF512(DIP)	39SF512(PLCC) (15)
39SF512(TSOP) (16)	39VF010(DIP)	39VF010(PLCC) (15)	39VF010(TSOP) (16)
39VF016Q(TSOP) (18)	39VF020(DIP)	39VF020(PLCC) (15)	39VF020(TSOP) (16)
39VF040(DIP)	39VF040(PLCC) (15)	39VF040(TSOP) (16)	39VF040Q(TSOP) (18)
39VF080Q(TSOP) (18)	39VF160(TSOP) (52)	39VF160Q(TSOP) (52)	39VF512(DIP)
39VF512(PLCC) (15)	39VF512(TSOP) (16)	39VF800(TSOP) (52)	39VF800Q(TSOP) (52)

### MICROCONTROLLERS

89C54(DIP)	89C54(PLCC) (23)	89C54(THINQFP) (46)	89C58(DIP)
89C58(PLCC) (23)	89C58(THINQFP) (46)	89F54(DIP)	89F54(PLCC) (23)
89F54(THINQFP) (46)	89F58(DIP)	89F58(PLCC) (23)	89F58(THINQFP) (46)

---

## SST 2X Family

### EEPROMS/FLASH/NVRAM

27SF010(DIP)	27SF010(PLCC) (15)	27SF010(TSOP) (16)	27SF020(DIP)
27SF020(PLCC) (15)	27SF020(TSOP) (16)	27SF256(DIP)	27SF256(PLCC) (14)
27SF512(DIP)	27SF512(PLCC) (14)	27VF040(DIP)	27VF040(PLCC) (15)
27VF040(TSOP) (16)	28LF040(DIP)	28LF040(PLCC) (15)	28LF040(TSOP) (16)
28LS040(DIP)	28LS040(PLCC) (15)	28SF040(DIP)	28SF040(PLCC) (15)
28SF040(TSOP) (16)	28SF040A(DIP)	28SF040A(PLCC) (15)	28SF040A(TSOP) (16)
28VF040(DIP)	28VF040(PLCC) (15)	28VF040(TSOP) (16)	29EE010(DIP)
29EE010(PLCC) (15)	29EE010(TSOP) (16)	29EE020(DIP)	29EE020(PLCC) (15)
29EE020(TSOP) (16)	29EE512(DIP)	29EE512(PLCC) (15)	29EE512(TSOP) (16)
29LE010(DIP)	29LE010(PLCC) (15)	29LE010(TSOP) (16)	29LE020(DIP)
29LE020(PLCC) (15)	29LE020(TSOP) (16)	29LE512(DIP)	29LE512(PLCC) (15)
29LE512(TSOP) (16)	29VE010(DIP)	29VE010(PLCC) (15)	29VE010(TSOP) (16)
29VE020(DIP)	29VE020(PLCC) (15)	29VE020(TSOP) (16)	29VE512(DIP)
29VE512(PLCC) (15)	29VE512(TSOP) (16)		

---

## SST 3X Family

### EEPROMS/FLASH/NVRAM

37VF010(DIP)	37VF010(PLCC) (15)	37VF010(TSOP) (16)	37VF020(DIP)
37VF020(PLCC) (15)	37VF020(TSOP) (16)	37VF040(DIP)	37VF040(PLCC) (15)
37VF040(TSOP) (16)	37VF512(DIP)	37VF512(PLCC) (15)	37VF512(TSOP) (16)
38UF166(TSOP) (52)	38VF166(TSOP) (52)	39LF200A(TSOP) (52)	39LF400A(TSOP) (52)
39LF800A(TSOP) (52)	39SF010(DIP)	39SF010(PLCC) (15)	39SF010(TSOP) (16)
39SF020(DIP)	39SF020(PLCC) (15)	39SF020(TSOP) (16)	39SF512(DIP)
39SF512(PLCC) (15)	39SF512(TSOP) (16)	39VF010(DIP)	39VF010(PLCC) (15)
39VF016Q(TSOP) (18)	39VF020(DIP)	39VF020(PLCC) (15)	39VF020(TSOP) (16)
39VF040(DIP)	39VF040(PLCC) (15)	39VF040(TSOP) (16)	39VF040Q(TSOP) (18)
39VF080Q(TSOP) (18)	39VF160(TSOP) (52)	39VF160Q(TSOP) (52)	39VF200A(TSOP) (52)
39VF400(TSOP) (52)	39VF400A(TSOP) (52)	39VF400Q(TSOP) (52)	39VF512(DIP)
39VF512(PLCC) (15)	39VF512(TSOP) (16)	39VF800(TSOP) (52)	39VF800A(TSOP) (52)
39VF800Q(TSOP) (52)			

---

## TEMIC

### MICROCONTROLLERS

TSC71RCX2(DIP)	TSC71RCX2(PLCC) (23)	TSC87251G1A(DIP)	TSC87251G1A(PLCC) (23)
TSC87251G2D(DIP)	TSC87251G2D(PLCC) (23)	TSC87C51(DIP)	TSC87C51(PLCC) (23)
TSC87C51RB2(DIP)	TSC87C51RB2(PLCC) (23)	TSC87C51RC2(DIP)	TSC87C51RC2(PLCC) (23)
TSC87C51RD2(DIP)	TSC87C51RD2(PLCC) (23)	TSC87C51U2(DIP)	TSC87C51U2(PLCC) (23)
TSC87C52(DIP)	TSC87C52(PLCC) (23)	TSC87C52X2(DIP)	TSC87C52X2(PLCC) (23)

---

## TEXAS INSTRUMENTS

### EPROMS

TMS2516	TMS2532	TMS2732A	TMS2764
TMS27C010	TMS27C010A(DIP)	TMS27C010A(PLCC) (15)	TMS27C010A(TSOP) (17)
TMS27C020(DIP)	TMS27C020(PLCC) (15)	TMS27C040(DIP)	TMS27C040(PLCC) (15)
TMS27C128(DIP)	TMS27C128(PLCC) (14)	TMS27C210(DIP)	TMS27C210(PLCC) (23)
TMS27C210A(DIP)	TMS27C210A(PLCC) (23)	TMS27C240(DIP)	TMS27C240(PLCC) (23)
TMS27C256(DIP)	TMS27C256(PLCC) (14)	TMS27C32	TMS27C512(DIP)
TMS27C512(PLCC) (14)	TMS27C64	TMS27PC010A(DIP)	TMS27PC010A(PLCC) (15)
TMS27PC010A(TSOP) (17)	TMS27PC040(DIP)	TMS27PC040(PLCC) (15)	TMS27PC128(DIP)
TMS27PC128(PLCC) (14)	TMS27PC210A(DIP)	TMS27PC210A(PLCC) (23)	TMS27PC240(DIP)
TMS27PC240(PLCC) (23)	TMS27PC256(DIP)	TMS27PC256(PLCC) (14)	TMS27PC512(DIP)
TMS27PC512(PLCC) (14)	TMS27PC64	TMS87C257	

### EEPROMS/FLASH/NVRAM

TMS28F010B(PLCC) (15)	TMS28F010B(TSOP) (16)	TMS28F210(DIP)	TMS28F210(PLCC) (23)
-----------------------	-----------------------	----------------	----------------------

### MICROCONTROLLERS

TMS320E14(PLCC) (62)	TMS320E15	TMS320E17	TMS320E25(PLCC) (63)
TMS370C010(DIP)	TMS370C010(PLCC) (9)	TMS370C032(PLCC) (22)	TMS370C042(DIP)
TMS370C042(PLCC) (23)	TMS370C050(PLCC) (64)	TMS370C052(PLCC) (64)	TMS370C056(PLCC) (64)
TMS370C610(DIP)	TMS370C610(PLCC) (9)	TMS370C642(PLCC) (22)	TMS370C710(DIP)
TMS370C710(PLCC) (9)	TMS370C712(DIP)	TMS370C712(PLCC) (9)	TMS370C732(PLCC) (22)
TMS370C742(DIP)	TMS370C742(PLCC) (23)	TMS370C756(PLCC) (64)	TMS370C810(DIP)
TMS370C810(PLCC) (9)	TMS370C850	TMS77C82	

---

## TEXAS INSTRUMENTS

### BPROMS

TBP24S10

TBP24SA10

### PALS

EP1810(PLCC) (69)  
EP630(PLCC)  
PAL16L8A-2(DIP)  
PAL16R4A-2(DIP)  
PAL16R6A-2(DIP)  
PAL16R8A-2(DIP)  
PAL20R6A

EP610(DIP)  
EP910  
PAL16L8A-2(PLCC) (4)  
PAL16R4A-2(PLCC) (4)  
PAL16R6A-2(PLCC) (4)  
PAL16R8A-2(PLCC) (4)  
PAL20R8A

EP610(PLCC)  
PAL16L8A(DIP)  
PAL16R4A(DIP)  
PAL16R6A(DIP)  
PAL16R8A(DIP)  
PAL20L8A

EP630(DIP)  
PAL16L8A(PLCC) (4)  
PAL16R4A(PLCC) (4)  
PAL16R6A(PLCC) (4)  
PAL16R8A(PLCC) (4)  
PAL20R4A

---

## TEXAS INSTRUMENTS TixPAL

### PALS

TIBPAL16L8-10(DIP)  
TIBPAL16L8-15(DIP)  
TIBPAL16L8-5(DIP)  
TIBPAL16R4-10(DIP)  
TIBPAL16R4-15(DIP)  
TIBPAL16R4-5(DIP)  
TIBPAL16R6-10(DIP)  
TIBPAL16R6-15(DIP)  
TIBPAL16R6-5(DIP)  
TIBPAL16R8-10(DIP)  
TIBPAL16R8-15(DIP)  
TIBPAL16R8-5(DIP)  
TIBPAL20L8-10(DIP)  
TIBPAL20L8-25(DIP)  
TIBPAL20L8-7(DIP)  
TIBPAL20R4-15(DIP)  
TIBPAL20R4-5(DIP)  
TIBPAL20R610(DIP)  
TIBPAL20R6-25(DIP)  
TIBPAL20R6-7(DIP)  
TIBPAL20R8-15(DIP)  
TIBPAL20R8-5(DIP)  
TIBPAL22V10(DIP)  
TIBPAL22V10-15B(DIP)  
TIBPAL22V10A(DIP)  
TIBPAL22VP10-25(DIP)  
TICPAL16R6  
TICPAL22V10Z(TURBO)(DIP)

TIBPAL16L8-10(PLCC) (4)  
TIBPAL16L8-15(PLCC) (4)  
TIBPAL16L8-5(PLCC) (4)  
TIBPAL16R4-10(PLCC) (4)  
TIBPAL16R4-15(PLCC) (4)  
TIBPAL16R4-5(PLCC) (4)  
TIBPAL16R6-10(PLCC) (4)  
TIBPAL16R6-15(PLCC) (4)  
TIBPAL16R6-5(PLCC) (4)  
TIBPAL16R8-10(PLCC) (4)  
TIBPAL16R8-15(PLCC) (4)  
TIBPAL16R8-5(PLCC) (4)  
TIBPAL20L8-10(PLCC)  
TIBPAL20L8-25(PLCC)  
TIBPAL20L8-7(PLCC)  
TIBPAL20R4-15(PLCC)  
TIBPAL20R4-5(PLCC)  
TIBPAL20R610(PLCC)  
TIBPAL20R6-25(PLCC)  
TIBPAL20R6-7(PLCC)  
TIBPAL20R8-15(PLCC)  
TIBPAL20R8-5(PLCC)  
TIBPAL22V10(PLCC)  
TIBPAL22V10-15B(PLCC)  
TIBPAL22V10A(PLCC)  
TIBPAL22VP10-25(PLCC)  
TICPAL16R8  
TICPAL22V10Z(TURBO)(PLCC)

TIBPAL16L8-12(DIP)  
TIBPAL16L8-25(DIP)  
TIBPAL16L8-7(DIP)  
TIBPAL16R4-12(DIP)  
TIBPAL16R4-25(DIP)  
TIBPAL16R4-7(DIP)  
TIBPAL16R6-12(DIP)  
TIBPAL16R6-25(DIP)  
TIBPAL16R6-7(DIP)  
TIBPAL16R8-12(DIP)  
TIBPAL16R8-25(DIP)  
TIBPAL16R8-7(DIP)  
TIBPAL20L8-15(DIP)  
TIBPAL20L8-5(DIP)  
TIBPAL20R410(DIP)  
TIBPAL20R4-25(DIP)  
TIBPAL20R4-7(DIP)  
TIBPAL20R6-15(DIP)  
TIBPAL20R6-5(DIP)  
TIBPAL20R810(DIP)  
TIBPAL20R8-25(DIP)  
TIBPAL20R8-7(DIP)  
TIBPAL22V10-10(DIP)  
TIBPAL22V10-7(DIP)  
TIBPAL22VP10-20(DIP)  
TICPAL16L8  
TICPAL22V10Z(0 PWR)(DIP)

TIBPAL16L8-12(PLCC) (4)  
TIBPAL16L8-25(PLCC) (4)  
TIBPAL16L8-7(PLCC) (4)  
TIBPAL16R4-12(PLCC) (4)  
TIBPAL16R4-25(PLCC) (4)  
TIBPAL16R4-7(PLCC) (4)  
TIBPAL16R6-12(PLCC) (4)  
TIBPAL16R6-25(PLCC) (4)  
TIBPAL16R6-7(PLCC) (4)  
TIBPAL16R8-12(PLCC) (4)  
TIBPAL16R8-25(PLCC) (4)  
TIBPAL16R8-7(PLCC) (4)  
TIBPAL20L8-15(PLCC)  
TIBPAL20L8-5(PLCC)  
TIBPAL20R410(PLCC)  
TIBPAL20R4-25(PLCC)  
TIBPAL20R4-7(PLCC)  
TIBPAL20R6-15(PLCC)  
TIBPAL20R6-5(PLCC)  
TIBPAL20R810(PLCC)  
TIBPAL20R8-25(PLCC)  
TIBPAL20R8-7(PLCC)  
TIBPAL22V10-10(PLCC)  
TIBPAL22V10-7(PLCC)  
TIBPAL22VP10-20(PLCC)  
TICPAL16R4  
TICPAL22V10Z(0 PWR)(PLCC)

---

## TOSHIBA

### EPROMS

TC541000AP/AF  
TC544096P/F(DIP)  
TC54H1001AP/AF  
TC571001AD  
TC574096D(DIP)  
TC57H1001AD  
TC57H1025AD(PLCC) (23)

TC54256AP/AF  
TC544096P/F(PLCC) (23)  
TC54H1024AP/AF(DIP)  
TC57256AD  
TC574096D(PLCC) (23)  
TC57H1024AD(DIP)  
TC57H256D

TC544000FT  
TC54512AP/AF  
TC54H1024AP/AF(PLCC) (23)  
TC57256AD-120  
TC57512AD  
TC57H1024AD(PLCC) (23)

TC544000P/F  
TC54H1000AP/AF  
TC571000AD  
TC574000D  
TC57H1000AD  
TC57H1025AD(DIP)

### EEPROMS/FLASH/NVRAM

58FVB160(PSOP) (42)  
58FVT160(PSOP) (42)

58FVB160(TSOP) (52)  
58FVT160(TSOP) (52)

58FVB800(PSOP) (42)  
58FVT800(PSOP) (42)

58FVB800(TSOP) (52)  
58FVT800(TSOP) (52)

---

## TOSHIBA(old)

### EPROMS

TMM24128  
TMM2432  
TMM2464  
TMM27256  
TMM27512A  
TMM54256A  
TMM57256

TMM24128A  
TMM2432A  
TMM2464A  
TMM27256A  
TMM2764  
TMM571000  
TMM57256A

TMM24256  
TMM24512  
TMM27128  
TMM27256B  
TMM2764A  
TMM571024(DIP)  
TMM57512A

TMM24256A  
TMM24512A  
TMM27128A  
TMM27512  
TMM54256  
TMM571024(PLCC) (23)

---

## VANTIS

### PALS

MACH110(PLCC) (34)  
MACH210(PLCC) (34)  
MACH230(PLCC) (81)

MACH120(PLCC) (73)  
MACH211(PLCC) (34)  
MACH231(PLCC) (81)

MACH130(PLCC) (81)  
MACH215(PLCC) (34)  
MACHLV210(PLCC) (34)

MACH131(PLCC) (81)  
MACH220(PLCC) (73)

---

## VANTIS PALCE

### PALS

PALCE16V8 H-5/5(PLCC) (4)  
PALCE16V8H-15(DIP)  
PALCE16V8H-15/4(PLCC) (4)  
PALCE16V8H-25(SOIC) (12)  
PALCE16V8H-7/5(DIP)  
PALCE16V8Q-10/5(PLCC) (4)  
PALCE16V8Q-15/4(DIP)  
PALCE16V8Q-20/4(DIP)  
PALCE16V8Q-25/4(DIP)  
PALCE16V8Z-15/5(DIP)  
PALCE20V8-conv(2)  
PALCE20V8H-10/4(PLCC)  
PALCE20V8H-15/4(PLCC)  
PALCE20V8H-25/4(PLCC)

PALCE16V8H-10/4(DIP)  
PALCE16V8H-15(PLCC) (4)  
PALCE16V8H-15/4(SOIC) (12)  
PALCE16V8H-25/4(DIP)  
PALCE16V8H-7/5(PLCC) (4)  
PALCE16V8Q-10/5(SOIC) (12)  
PALCE16V8Q-15/4(PLCC) (4)  
PALCE16V8Q-20/4(PLCC) (4)  
PALCE16V8Q-25/4(PLCC) (4)  
PALCE16V8Z-15/5(PLCC) (4)  
PALCE20V8H-10(DIP)  
PALCE20V8H-15(DIP)  
PALCE20V8H-25(DIP)  
PALCE20V8H-5/5(PLCC)

PALCE16V8H-10/4(PLCC) (4)  
PALCE16V8H-15(SOIC) (12)  
PALCE16V8H-25(DIP)  
PALCE16V8H-25/4(PLCC) (4)  
PALCE16V8H-conv(1)  
PALCE16V8Q-15(DIP)  
PALCE16V8Q-20(DIP)  
PALCE16V8Q-25(DIP)  
PALCE16V8Z12(DIP)  
PALCE16V8Z-25/4(DIP)  
PALCE20V8H-10(PLCC)  
PALCE20V8H-15(PLCC)  
PALCE20V8H-25(PLCC)  
PALCE20V8H-7(DIP)

PALCE16V8H-10/4(SOIC) (12)  
PALCE16V8H-15/4(DIP)  
PALCE16V8H-25(PLCC) (4)  
PALCE16V8H-25/4(SOIC) (12)  
PALCE16V8Q-10/5(DIP)  
PALCE16V8Q-15(PLCC) (4)  
PALCE16V8Q-20(PLCC) (4)  
PALCE16V8Q-25(PLCC) (4)  
PALCE16V8Z12(PLCC) (4)  
PALCE16V8Z-25/4(PLCC) (4)  
PALCE20V8H-10/4(DIP)  
PALCE20V8H-15/4(DIP)  
PALCE20V8H-25/4(DIP)  
PALCE20V8H-7(PLCC)

---

**VANTIS PALCE ...****PALS**

PALCE20V8H-7/4(DIP)	PALCE20V8H-7/4(PLCC)	PALCE20V8H-7/5(DIP)	PALCE20V8H-7/5(PLCC)
PALCE20V8Q-10(DIP)	PALCE20V8Q-10(PLCC)	PALCE20V8Q-10/4(DIP)	PALCE20V8Q-10/4(PLCC)
PALCE20V8Q-10/5(DIP)	PALCE20V8Q-10/5(PLCC)	PALCE20V8Q-15(DIP)	PALCE20V8Q-15(PLCC)
PALCE20V8Q-15/4(DIP)	PALCE20V8Q-15/4(PLCC)	PALCE20V8Q-20(DIP)	PALCE20V8Q-20(PLCC)
PALCE20V8Q-20/4(DIP)	PALCE20V8Q-20/4(PLCC)	PALCE20V8Q-25(DIP)	PALCE20V8Q-25(PLCC)
PALCE20V8Q-25/4(DIP)	PALCE20V8Q-25/4(PLCC)	PALCE22V10-5/5(PLCC)	PALCE22V10H-10/5(DIP)
PALCE22V10H-10/5(PLCC)	PALCE22V10H-10/5(SOIC) (12)	PALCE22V10H-15(DIP)	PALCE22V10H-15(PLCC)
PALCE22V10H-15/4(DIP)	PALCE22V10H-15/4(PLCC)	PALCE22V10H-15/5(DIP)	PALCE22V10H-15/5(PLCC)
PALCE22V10H-20/4(DIP)	PALCE22V10H-20/4(PLCC)	PALCE22V10H-25(DIP)	PALCE22V10H-25(PLCC)
PALCE22V10H-25(SOIC) (12)	PALCE22V10H-25/4(DIP)	PALCE22V10H-25/4(PLCC)	PALCE22V10H-25/4(SOIC) (12)
PALCE22V10H-7/5(DIP)	PALCE22V10H-7/5(PLCC)	PALCE22V10Q-10/5(DIP)	PALCE22V10Q-10/5(PLCC)
PALCE22V10Q-15/5(DIP)	PALCE22V10Q-15/5(PLCC)	PALCE22V10Q-25(DIP)	PALCE22V10Q-25(PLCC)
PALCE22V10Q-25/4(DIP)	PALCE22V10Q-25/4(PLCC)	PALCE22V10Z-15/5(DIP)	PALCE22V10Z-15/5(PLCC)
PALCE22V10Z-25/5(DIP)	PALCE22V10Z-25/5(PLCC)	PALCE22V10Z-25/5(SOIC) (12)	PALCE26V12H-10/4(DIP)
PALCE26V12H-10/4(PLCC) (9)	PALCE26V12H-15/4(DIP)	PALCE26V12H-15/4(PLCC) (9)	PALCE26V12H-20/4(DIP)
PALCE26V12H-20/4(PLCC) (9)	PALCE26V12H-7/4(PLCC) (9)	PALCE29M16/4(DIP)	PALCE29M16/4(PLCC)
PALCE29MA16/4(DIP)	PALCE29MA16/4(PLCC)	PALCE610	PALLV16V8-10/5(DIP)
PALLV16V8-10/5(PLCC) (4)	PALLV16V8Z-25/5(DIP)	PALLV16V8Z-25/5(PLCC) (4)	PALLV16V8Z-30/4(DIP)
PALLV16V8Z-30/4(PLCC) (4)	PALLV22V10(DIP)	PALLV22V10(PLCC)	PALLV22V10Z-15(DIP)
PALLV22V10Z-15(PLCC)	PALLV22V10Z-25(DIP)	PALLV22V10Z-25(PLCC)	

---

**VLSI****EPROMS**

VT27C128	VT27C256	VT27C64
----------	----------	---------

---

**WAFERSCALE INTEGRATION****EPROMS**

WS27C010L(DIP)	WS27C010L(PLCC) (15)	WS27C020L	WS27C040L
WS27C128F(DIP)	WS27C128F(PLCC) (14)	WS27C128L	WS27C210L(DIP)
WS27C210L(PLCC) (23)	WS27C220L(DIP)	WS27C220L(PLCC) (23)	WS27C240L(DIP)
WS27C240L(PLCC) (23)	WS27C256F(DIP)	WS27C256F(PLCC) (14)	WS27C256L(DIP)
WS27C256L(PLCC) (14)	WS27C512F	WS27C512L	WS27C64F
WS27C64L	WS57C128F	WS57C191B	WS57C256F
WS57C257F(DIP)	WS57C257F(PLCC) (23)	WS57C291B	WS57C43B
WS57C43C	WS57C49B	WS57C512F	WS57C51B
WS57C51C	WS57C64F(DIP)	WS57C64F(PLCC) (14)	WS57C65(DIP)
WS57C65(PLCC) (23)	WS57C71C		

**MICROCONTROLLERS**

PSD301(PLCC) (38)	PSD302(PLCC) (38)	PSD303(PLCC) (38)	PSD311(PLCC) (38)
PSD311C1(PLCC) (38)	PSD312(PLCC) (38)	PSD312C1(PLCC) (38)	PSD313(PLCC) (38)
PSD313C1(PLCC) (38)			

---

**WINBOND****EEPROMS/FLASH/NVRAM**

W27C010(DIP)	W27C010(PLCC) (15)	W27C020(DIP)	W27C020(PLCC) (15)
W27C020M(DIP)	W27C020M(PLCC) (15)	W27C257(DIP)	W27C257(PLCC) (14)
W27C4096(DIP)	W27C4096(PLCC) (23)	W27C512(DIP)	W27C512(PLCC) (14)
W27E010(DIP)	W27E010(PLCC) (15)	W27E020(DIP)	W27E020(PLCC) (15)
W27E040(DIP)	W27E040(PLCC) (15)	W27E257(DIP)	W27E257(PLCC) (14)
W27E512(DIP)	W27E512(PLCC) (14)	W27L010(DIP)	W27L010(PLCC) (15)
W29C011A(DIP)	W29C011A(PLCC) (15)	W29C020(DIP)	W29C020(PLCC) (15)
W29C020(TSOP) (16)	W29C020C(DIP)	W29C020C(PLCC) (15)	W29C020C(TSOP) (16)
W29C040(DIP)	W29C040(PLCC) (15)	W29C040(TSOP) (16)	W29EE011(DIP)
W29EE011(PLCC) (15)	W29EE512(DIP)	W29EE512(PLCC) (15)	W29F102(PLCC) (23)
W49F002U(DIP)	W49F002U(PLCC) (15)	W49F002U(TSOP) (16)	

**MICROCONTROLLERS**

W77E58(DIP)	W77E58(PLCC) (23)	W78E374	W78E378(DIP)
W78E378(PLCC) (23)	W78E51(DIP)	W78E51(PLCC) (23)	W78E516
W78E51B(DIP)	W78E51B(PLCC) (23)	W78E52(DIP)	W78E52(PLCC) (23)
W78E52B(DIP)	W78E52B(PLCC) (23)	W78E54(DIP)	W78E54(PLCC) (23)
W78E58(DIP)	W78E58(PLCC) (23)		

---

**XICOR****EEPROMS/FLASH/NVRAM**

X2804A	X2804AI	X2816A	X2816AI
X2816B	X2816BI	X2816C	X2816CI
X28256(DIP)	X28256(PLCC) (14)	X28256I(DIP)	X28256I(PLCC) (14)
X2864A(DIP)	X2864A(PLCC) (14)	X2864AI(DIP)	X2864AI(PLCC) (14)
X2864B(DIP)	X2864B(PLCC) (14)	X2864BI(DIP)	X2864BI(PLCC) (14)
X2864H(DIP)	X2864H(PLCC) (14)	X2864HI(DIP)	X2864HI(PLCC) (14)
X28C010(DIP)	X28C010(PLCC) (15)	X28C256(DIP)	X28C256(PLCC) (14)
X28C256I	X28C512(DIP)	X28C512(PLCC) (15)	X28C512I(DIP)
X28C512I(PLCC) (15)	X28C64(DIP)	X28C64(PLCC) (14)	X28C64I(DIP)
X28C64I(PLCC) (14)	X28HC256(DIP)	X28HC256(PLCC) (14)	X28HC64(DIP)
X28HC64(PLCC) (14)	X28HC64S(DIP)	X28HC64S(SOIC) (12)	X28HT512(DIP)
X28HT512(PLCC) (15)	X28LC512(DIP)	X28LC512(PLCC) (15)	X68C64
X88C64			

**SERIAL (E)EPROMS**

X2402	X2404	X24125	X2416
X24325	X24645	X24C00	X24C02
X24C04	X24C16	X24C44	X24C45
X25020	X25021	X25040	X25041
X25080	X25128	X25160	X25320
X25640	X25642	X25C02	

---

## XILINX

### SERIAL (E)EPROMS

XC1701(DIP)	XC1701(PLCC)	XC1701L(DIP)	XC1701L(PLCC)
XC1702L(PLCC) (23)	XC1702L(THINQFP) (46)	XC1704L(PLCC) (23)	XC1704L(THINQFP) (46)
XC17128	XC17128D(DIP)	XC17128D(PLCC)	XC17128E(DIP)
XC17128E(PLCC) (6)	XC17128L	XC17128X	XC1718D(DIP)
XC1718D(PLCC)	XC1718D(SOIC) (3)	XC1718L(DIP)	XC1718L(PLCC)
XC17256D(DIP)	XC17256D(PLCC)	XC17256E(DIP)	XC17256E(PLCC) (6)
XC17256L	XC17256X	XC1736A	XC1736D(DIP)
XC1736D(PLCC)	XC1736D(SOIC) (3)	XC1736E(DIP)	XC1736E(PLCC) (6)
XC17512L(DIP)	XC17512L(PLCC)	XC1765	XC1765D(DIP)
XC1765D(PLCC)	XC1765D(SOIC) (3)	XC1765E(DIP)	XC1765E(PLCC) (6)
XC1765L(DIP)	XC1765L(PLCC) (6)	XC1765L(SOIC) (3)	XC1765X
XC17S05(DIP)	XC17S05(PLCC)	XC17S05XL(DIP)	XC17S05XL(PLCC)
XC17S10(DIP)	XC17S10(PLCC)	XC17S10XL(DIP)	XC17S10XL(PLCC)
XC17S20(DIP)	XC17S20(PLCC)	XC17S20XL(DIP)	XC17S20XL(PLCC)
XC17S30(DIP)	XC17S30(PLCC)	XC17S30XL(DIP)	XC17S30XL(PLCC)
XC17S40(DIP)	XC17S40(PLCC)	XC17S40XL(DIP)	XC17S40XL(PLCC)

### PALS

XC7236(PLCC) (40)	XC7236A(PLCC) (40)	XC7272(PLCC) (75)	XC7272A(PLCC) (75)
XC73108(PLCC) (83)	XC7318(PLCC) (41)	XC7336(PLCC) (41)	XC7336Q(PLCC) (41)
XC7354(PLCC)	XC7372(PLCC) (77)	XC95108(PLCC) (83)	XC9536(PLCC) (23)
XC9572(PLCC) (41)			

---

## ZILOG

### MICROCONTROLLERS

Z86E02 (SL1925)(DIP)	Z86E02 (SL1925)(SOIC) (12)	Z86E02(DIP)	Z86E02(SOIC) (12)
Z86E03(DIP)	Z86E03(SOIC) (12)	Z86E04 (SL186x)(DIP)	Z86E04 (SL186x)(SOIC) (12)
Z86E04(DIP)	Z86E04(SOIC) (12)	Z86E06(DIP)	Z86E06(SOIC) (12)
Z86E07	Z86E08 (SL186x)(DIP)	Z86E08 (SL186x)(SOIC) (12)	Z86E08(DIP)
Z86E08(SOIC) (12)	Z86E21	Z86E61	Z86E63

---

## PAL Conversions

(3) X22V10	(3) X22V10UES	(3) X22VP10	(1) XPAL10H8
(1) XPAL10L8	(1) XPAL10P8	(1) XPAL12H6	(1) XPAL12L6
(1) XPAL12P6	(1) XPAL14H4	(2) XPAL14H8	(1) XPAL14L4
(2) XPAL14L8	(1) XPAL14P4	(2) XPAL14P8	(1) XPAL16H2
(2) XPAL16H6	(1) XPAL16H8	(1) XPAL16L2	(2) XPAL16L6
(1) XPAL16L8	(1) XPAL16P2	(2) XPAL16P6	(1) XPAL16P8
(1) XPAL16R4	(1) XPAL16R6	(1) XPAL16R8	(1) XPAL16RP4
(1) XPAL16RP6	(1) XPAL16RP8	(2) XPAL18H4	(2) XPAL18L4
(2) XPAL18P4	(2) XPAL20H2	(2) XPAL20H8	(2) XPAL20L2
(2) XPAL20L8	(2) XPAL20P2	(2) XPAL20P8	(2) XPAL20R4
(2) XPAL20R6	(2) XPAL20R8	(2) XPAL20RP4	(2) XPAL20RP6
(2) XPAL20RP8	(2) XPAL20RP8	(2) XPAL20RP8	(2) XPAL20RP8
(2) XPAL20RP8	(2) XPAL20RP8	(2) XPAL20RP8	(2) XPAL20RP8
(2) XPAL20RP8	(2) XPAL20RP8	(2) XPAL20RP8	(2) XPAL20RP8
(2) XPAL20RP8	(2) XPAL20RP8	(2) XPAL20RP8	(2) XPAL20RP8
(2) XPAL20RP8	(2) XPAL20RP8	(2) XPAL20RP8	(2) XPAL20RP8
(2) XPAL20RP8	(2) XPAL20RP8	(2) XPAL20RP8	(2) XPAL20RP8
(2) XPAL20RP8	(2) XPAL20RP8	(2) XPAL20RP8	(2) XPAL20RP8

---

## Single socket adapters / Matrix modules

(1) 100QF-JAM	(2) 100TQ-JAM
(3) 16SO-JEDEC / Mod16SO-JEDEC	(4) 20PL-20DIP / Mod20PL
(5) 20PL-EPC1 / Mod20PL	(6) 20PL-XIL17XX / Mod20PL
(7) 24SO-EIAJ / Mod24SO-EIAJ	(8) 28PL-24DIP / Mod28PL
(9) 28PL-28DIP / Mod28PL	(10) 28PL-EP6XX / Mod28PL
(11) 28PL-MAPL128	(12) 28SO-28DIP / Mod28SO
(13) 28TS-28HT / Mod28TS	(14) 32PL-28DIP
(15) 32PL-32DIP / Mod32PL	(16) 32TS-32DIP / Mod32TS
(17) 32TS-32HT / Mod32TS	(18) 40TS40-FLASH / Mod40TS40
(19) 44PL-16BIT	(20) 44PL-16CX4
(21) 44PL-17C4X	(22) 44PL-370C742
(23) 44PL-44DIP / Mod44PL	(24) 44PL-705C8
(25) 44PL-711D3	(26) 44PL-8742
(27) 44PL-87C51	(28) 44PL-ATV2500
(29) 44PL-COP87L	(30) 44PL-EP9XX
(31) 44PL-EPM5064	(32) 44PL-EPM7032
(33) 44PL-JAM	(34) 44PL-MACHX1X
(35) 44PL-MAPL144	(36) 44PL-PA7140
(37) 44PL-PLD1	(38) 44PL-PSD3
(39) 44PL-ST9	(40) 44PL-XC7236
(41) 44PL-XC73XX	(42) 44PS-44DIP / Mod44PS
(43) 44PS-FLASH	(44) 44QF-44DIP / Mod44QF
(45) 44QF-JAM	(46) 44TQ-44DIP
(47) 44TQ-JAM	(48) 44TS2-44DIP / Mod44TS2
(49) 48DL-711AE	(50) 48TS40-FOXX
(51) 48TS40-FX00	(52) 48TS-48DIP / Mod48TS
(53) 48VS-48DIP	(54) 52PL-711AE / Mod52PL
(55) 52PL-DS530 / Mod52PL	(56) 56TS40-FOXX
(57) 56TS40-FX00	(58) 56TS48-FOXX / Mod56TS-FOXX
(59) 56TS48-FX00 / Mod56TS-FX00	(60) 68PL-16C92X / Mod68PL-92X
(61) 68PL-17C75X / Mod68PL-75X	(62) 68PL-320E14 / Mod68PL-E14
(63) 68PL-320E25 / Mod68PL-E25	(64) 68PL-370C756 / Mod68PL-756
(65) 68PL-87196KC / Mod68PL-196	(66) 68PL-87451 / Mod68PL-451
(67) 68PL-87C552 / Mod68PL-552	(68) 68PL-87C592
(69) 68PL-EP18XX / Mod68PL-EP18XX	(70) 68PL-EPM5128
(71) 68PL-EPM7064	(72) 68PL-JAM

(75) 68PL-XC7272  
(77) 68PL-XC7372  
(79) 84PL-EPM7064  
(81) 84PL-MACHX3X / Mod84PL  
(83) 84PL-XC73XX  
(85) CIC-56SS-48D-C6-TI / Mod48DIP+CIC-56SS-48D-C6-TI  
(87) HS3334ESCF1H / Mod48DIP+HS3334ESCF1H  
(89) HS3334ESNF1H / Mod48DIP+HS3334ESNF1H  
(91) ROM-28SOP-28DP-8L / Mod48DIP+ROM-28SOP-28DP-8L

(76) 68PL-XC7354  
(78) 80QF-C5X5 / Mod80QF-5X5  
(80) 84PL-JAM  
(82) 84PL-XC7272  
(84) CIC-48uBGA-48D-A6-TI / Mod48DIP+CIC-48uBGA-48D-A6-TI  
(86) CIC-56uBGA-48D-B6-TI / Mod48DIP+CIC-56uBGA-48D-B6-TI  
(88) HS3334ESHF1H / Mod48DIP+HS3334ESHF1H  
(90) JAM-BLASTER

---

If you require any device not shown on this list please contact:

**ICE Technology Ltd**

**Tel: +44 (0)1226 767404 Fax: +44 (0)1226 370434**

**BBS: +44 (0)1226 761181 (14400,8N1)**

**Web site: <http://www.icetech.com> EMail: [sales@icetech.com](mailto:sales@icetech.com)**

**N.B. Whilst we make every effort to ensure that the details contained within this document are correct, we cannot be held responsible for any errors.**