

Component Alternatives

This document contains alternatives for the most often requested component parts in Motorola's VMEbus product line. Information concerning standard parts as well as tested or non-verified alternate parts are listed. For your convenience, PROM programmers and extractor tools are also listed. Due to the dynamic nature of the components business, it is advisable to verify the availability and specifications of any part before ordering.

This document will be updated periodically to reflect significant market changes.

Terms Used in this Document

Term	Meaning
Shipped	This is the typical part shipped from the factory.
Tested	Part has been tested and has been verified to be operational.
Data Sheet	Pinouts/specs have been verified per a preliminary or some other version of the data sheet.
Non-Verified	Part is possibly usable but has not been tested or verified.

Note

OTP = Part is *One-Time Programmable*.

MVME147

EPROMs, etc. (32 Pin DIP, 128K by 8 = 1Mbit):

- Mitsubishi M5M27C101-12 (Shipped)
- NEC D27C1001-15 (Shipped)
- Mostek M27C1001-12 (Tested)
- TI TMS27PC010A-12 *or* -120 (Tested)

Real Time Clock/NVRAM:

- MK48T02-25 (Shipped)

MVME162

PLCC Programmable Parts (32 Pin, 512K by 8 Bits = 4Mbit):

- TI TMS27PC040-15FML; OTP (Shipped)
- AMD Am27C040-15FML; OTP (Data Sheet)
- Intel 27C040, (Non-Verified)
- Mitsubishi M5M27C402 (Non-Verified)
- National NMC27040 (Non-Verified)
- Toshiba TC57400 (Non-Verified)

Real Time Clock/NVRAM:

- MK48T08-15 (Shipped)

SRAM Battery:

- Rayovac FB 1225 H2 (Shipped)

32 Pin PLCC Extractor Tool:

- AMP 821980-1: larger, requires SRAM battery removal (Tested)
- AMP 821903-1: smaller, more difficult to use

PROM Programmer:

- Data I/O Unisite with Chipsite option used in Tempe labs (Tested)

MVME166

PLCC Programmable Parts for Boot Bug (32 Pin, 128K by 8 Bits = 1Mbit):

- TI TMS27PC010-15FML; OTP (Shipped)
- TI TMS27C01A-12 *or* -120 (Tested)
- TI TMS27C010A-15 *or* -150 (Tested)
- Mitsubishi M5M27C101-12 *or* -15 (Tested)

Real Time Clock/NVRAM:

- MK48T08-15 (Shipped)

SRAM Battery:

- Rayovac FB 1225 H2 (Shipped)

32 Pin PLCC Extractor Tool:

- AMP 821980-1: larger, requires SRAM battery removal (Tested)
- AMP 821903-1: smaller, more difficult to use

PROM Programmer:

- Data I/O Unisite with Chipsite option used in Tempe labs (Tested)

MVME167/187

PLCC Programmable Parts (44 Pin, 128K by 16 Bits = 2Mbit Standard):

- Mitsubishi M5M27C202-12, EPROM or OTP, 2 Mbit (Shipped)
- SGS-Thompson M27C102, OTP, 1 Mbit (Tested)
- AMD Am27C2048, OTP, 2 Mbit (Tested)
- Intel N27C220-150V10, OTP, 2 Mbit (Tested)
- SGS-Thompson M27C4002, EPROM or OTP, 4 Mbit (Tested)
- AMD Am27C2048, OTP, 2 Mbit (Tested)
- TI TMS27C240, EPROM or OTP, 4 Mbit (Non-Verified 4Q93)
- Hitachi HN27C4096, 4 Mbit (Non-Verified)
- Mitsubishi M5M27C402, 4 Mbit (Non-Verified)

Real Time Clock/NVRAM:

- MK48T08-15 or MK48T08-10 (Shipped)

44 Pin PLCC Extractor Tool:

- AMP 8215SBCCOMPS/L191-1: requires RTC or ejector ear removal for 1 socket (Tested)

Prom Programmer:

- Data I/O Unisite with Chipsite option used in Tempe labs (Tested)
- EPROM-1 , International Microsystems Inc. (Non-Verified)
- Series5000 with 44 pin PLCC socket option, ELAN Digital Systems, Milpitas, CA (Tested)