

# HITACHI MICROPROCESSOR/PERIPHERAL CROSS REFERENCE

Hitachi is in the process of converting many micro-processor part numbers to "industry standard" generic part numbers. A complete list showing both the "old" and "new" part numbers is shown in figure 1. The use of industry standard part numbers will greatly simplify the interface between Hitachi and our customers.

Beginning JULY 1, 1981, all orders should be entered using the "new" part numbers only.

Note that during the conversion process, product shipped by Hitachi will be marked 1 of 2 ways (see figure 2).

1) marked with the "old" Hitachi part number...

or

2) marked with a dual number ("old" and "new")

At the completion of the conversion (approximately JANUARY 1, 1982) all product will be shipped with the dual marking (2 above).

If this conversion plan poses problems, or you have any questions, please contact Hitachi Microprocessor Marketing.

Description	"old" HITACHI number	"new" HITACHI number	MOTOROLA number
16/32 bit microprocessing unit, 8 mhz	-----	<b>HD68000-8</b>	MC68000L
16/32 bit microprocessing unit, 6 mhz	-----	<b>HD68000-6</b>	MC68000L6
16/32 bit microprocessing unit, 4 mhz	-----	<b>HD68000-4</b>	MC68000L4
8/16 bit microprocessing unit, 1mhz	HD6809P	<b>HD6809P</b>	MC6809P
8/16 bit microprocessing unit, 1.5mhz	HD68A09P	<b>HD68A09P</b>	MC68A09P
8/16 bit microprocessing unit, 2mhz	HD68B09P	<b>HD68B09P</b>	MC68B09P
8 bit microprocessing unit, 1mhz	HD46800DP	<b>HD6800P</b>	MC6800P
8 bit microprocessing unit, 1.5mhz	HD468A00P	<b>HD68A00P</b>	MC68A00P
8 bit microprocessing unit, 2mhz	HD468B00P	<b>HD68B00P</b>	MC68B00P
8 bit microprocessing unit, 1mhz with clock and 128 bytes RAM	HD46802SP	<b>HD6802SP</b>	MC6802P
8 bit microprocessing unit, 1mhz with clock and 256 bytes RAM	-----	<b>HD6802WP</b>	-----
128 x 8 static RAM, 450ns access time	HM46810P	<b>HD6810P</b>	MC6810P
128 x 8 static RAM, 360ns access time	HM468A10P	<b>HD68A10P</b>	MC68A10P
Peripheral interface adapter, 1mhz	HD46821P	<b>HD6821P</b>	MC6821P
Peripheral interface adapter, 1.5mhz	HD468A21P	<b>HD68A21P</b>	MC68A21P
Peripheral interface adapter, 2mhz	HD468B21P	<b>HD68B21P</b>	MC68B21P
Programmable timer module, 1mhz	-----	<b>HD6840P</b>	MC6840P
Programmable timer module, 1.5mhz	-----	<b>HD68A40P</b>	MC68A40P
Programmable timer module, 2mhz	-----	<b>HD68B40P</b>	MC68B40P
Floppy disk controller, 1mhz	HD46503SP	<b>HD6843SP</b>	MC6843P
Floppy disk controller, 1.5mhz	HD46503SP-1	<b>HD68A43SP</b>	MC68A43P
8 bit DMA controller, 1mhz	HD46504RP	<b>HD6844P</b>	MC6844P
8 bit DMA controller, 1.5mhz	HD46504RP-1	<b>HD68A44P</b>	MC68A44P
8 bit DMA controller, 2mhz	HD46504RP-2	<b>HD68B44P</b>	MC68B44P
CRT controller, 1mhz	HD46505RP	<b>HD6845RP</b>	MC6845P
CRT controller, 1.5mhz	HD46505RP-1	<b>HD68A45RP</b>	MC68A45P
CRT controller, 2mhz	HD46505RP-2	<b>HD68B45RP</b>	MC68B45P
CRT controller (enhanced), 1 mhz	HD46505SP	<b>HD6845SP</b>	-----
CRT controller (enhanced), 1.5mhz	HD46505SP-1	<b>HD68A45SP</b>	-----
CRT controller (enhanced), 2mhz	HD46505SP-2	<b>HD68B45SP</b>	-----
ROM, I/O, Timer combo, 1mhz	-----	<b>HD6846P</b>	MC6846P
Asynchronous comm interface, 1mhz	HD46850P	<b>HD6850P</b>	MC6850P
Asynchronous comm interface, 1.5mhz	HD468A50P	<b>HD68A50P</b>	MC68A50P
Synchronous comm interface, 1mhz	HD46852P	<b>HD6852P</b>	MC6852P
Synchronous comm interface, 1.5mhz	HD468A52P	<b>HD68A52P</b>	MC68A52P
Analog data acquisition unit, 1mhz	HD46508P	<b>HD46508P</b>	-----
Analog data acquisition unit, 1.5mhz	HD46508P-1	<b>HD46508P-1</b>	-----
Analog data acquisition unit, 1mhz (enhanced)	HD46508PA	<b>HD46508PA</b>	-----
Analog data acquisition unit, 1.5mhz (enhanced)	HD46508PA-1	<b>HD46508PA-1</b>	-----

Figure 1. Hitachi Microprocessor/Peripheral Cross Reference