

**FE2000
PC BUS CPU CONTROLLER
INTEGRATED CIRCUIT**

- **100% Hardware and Software Compatible to the IBM PC**
 - **Wait State Generator**
 - **8284 Compatible Clock Generator**
 - **68 Pin J-Type Leaded Surface Mount Plastic Chip Carrier**
 - **Parallel Interface to Printer (Centronics)**
 - **Parity Generator Checker**
 - **8255A-5 Compatible Programmable Peripheral Interface**
 - **HCMOS Technology**
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Product Overview

The Faraday PC CPU Controller Integrated Circuit (FE2000) is a highly integrated chip with various control logic functions allowing designers the flexibility to build a PC BUS single board computer.

The FE2000 has been designed for OEMs who would like to reduce cost, lower power requirements, increase reliability, and reduce board size over that of a functionally equivalent IBM PC motherboard. The FE2000 replaces a total of 25 components.

The FE2000 supports 64K and 256K ram chips. The FE2000 has been designed to be compatible with the Intel 8088 processor.

The FE2000 is a 2 micron CMOS gate-array packaged in an 68 Pin J-Type Leaded Surface Mount Plastic Chip Carrier (mating socket Burndy part number QILE68P-408).

FE2000 Chip Replacement Chart

8255A-5	74LS280
74LS244 (2)	74125 (2)
74LS240	74LS74 (2)
74LS322	74LS32
8284A	74LS30
74LS157	74LS20
74LS155	74LS10
74LS174	74LS08
74LS175 (2)	74LS04 (2)
SWITCH	74LS00

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