# Product Update

## Errata for Z8400/Z84C00 NMOS/CMOS Z80 CPU Devices

This Errata provides information on the 44-lead QFP which has been replaced by the 44-lead LQFP.

## Affected Documents

Table 1 provides the list of documents affected by the replacement of 44-lead QFP with 44-lead LQFP.

**Table 1. Documents Affected by the Replacement of 44-lead QFP with 44-lead LQFP**

| Devices | Title | Document Number |
|---|---|---|
| Z8400/Z84C00 | Z8400/Z84C00 NMOS/CMOS Z80 CPU Central Processing Unit Product Specification | PS0178 |

## 44-Lead LQFP

The Z8400/Z84C00 NMOS/CMOS Z80 CPU devices are now available in 44-lead LQFP. Figure 1 displays the pin diagram and Table 2 provides the pin description of the 44-lead LQFP.

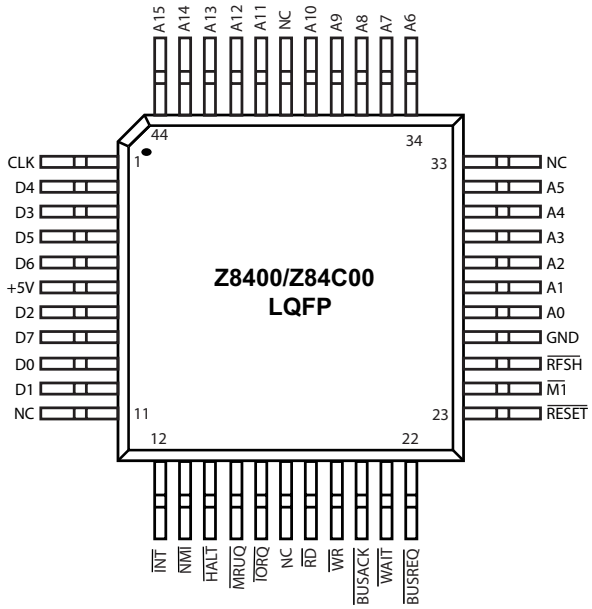


**Figure 1. 44-Lead Z8400/Z84C00 LQFP**

**Table 2. 44-Lead Z8400/Z84C00 LQFP Description**

| Pin No | Symbol | Function | Direction |
|---|---|---|---|
| 1 | CLK | Clock | Input |
| 2–5 | D4–D6 | Data Bus 4, 5, 6 | Input/Output |
| 6 | +5V | Power Supply | Input |
| 7 | D2 | Data Bus 2 | Input/Output |
| 8 | D7 | Data Bus 7 | Input/Output |
| 9–10 | D0–D1 | Data Bus 0, 1 | Input/Output |
| 11 | NC | No Connection | N/A |
| 12 | $\overline{\text{INT}}$ | Interrupt Request | Input |
| 13 | $\overline{\text{NMI}}$ | Non Maskable Interrupt | Input |
| 14 | $\overline{\text{HALT}}$ | Halt State | Output |
| 15 | $\overline{\text{MREQ}}$ | Memory Request | Output |
| 16 | $\overline{\text{IORQ}}$ | Input/Output Request | Output |
| 17 | NC | No Connection | N/A |
| 18 | $\overline{\text{RD}}$ | Read | Output |
| 19 | $\overline{\text{WR}}$ | Write | Output |
| 20 | $\overline{\text{BUSACK}}$ | Bus Acknowledge | Output |
| 21 | $\overline{\text{WAIT}}$ | Wait | Input |
| 22 | $\overline{\text{BUSREQ}}$ | Bus Request | Input |
| 23 | $\overline{\text{RESET}}$ | Reset | Input |
| 24 | $\overline{\text{M1}}$ | Machine Cycle One | Output |
| 25 | $\overline{\text{RFSH}}$ | Refresh | Output |
| 26 | GND | Ground | Input |
| 27–32 | A0–A5 | Address Bus 0, 1, 2, 3, 4, 5 | Output |
| 33 | NC | No Connection | N/A |
| 34–38 | A6–A10 | Address Bus 6, 7, 8, 9, 10 | Output |
| 39 | NC | No Connection | N/A |
| 40–44 | A11–A15 | Address Bus 11, 12, 13, 14, 15 | Output |

**Warning:** DO NOT USE IN LIFE SUPPORT

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