

Product Change Notice - PCN-2010-007

| Rev | Date/Signature | Changes |
|-----|----------------|----------------|
| 1 | 14.03.2011/Sr | First Revision |

1 Product affected

| Product affected | Rev. | Replacement | Rev. |
|------------------|------|------------------|------|
| DIMM-SH7723-6 | R6A | DIMM-SH7723-6 | R6B |
| DIMM-SH7723-6-ET | R6A | DIMM-SH7723-6-ET | R6B |
| DIMM-SH7723-6-HL | R6A | DIMM-SH7723-6-HL | R6B |
| DIMM-SH7723-6-IL | R6A | DIMM-SH7723-6-IL | R6B |

2 Change 1 – NOR-Flash IC14

2.1 Key Characteristics of the Change

Type of NOR-Flash changed.

2.2 Description of Change to the Customer

Because of the discontinuance of the NOR-Flash PC28F640P33B85 from Numonyx the flash is changed to the new Axcell series from Numonyx. The package of the new chip PC28F640P33BF60A is compatible to the current layout. Software changes are not necessary.

2.3 Customer Impact of Change and Recommended Action

No actions necessary.

3 Change 2 – Oscillator Real-Time-Clock XT2

3.1 Key Characteristics of the Change

Type of the 32,768 kHz oscillator changed.

3.2 Description of Change to the Customer

To improve the power on behavior the 32,786 kHz oscillator XT2 is changed. Also the capacitors C67 and C68 are adapted to the new oscillator.

3.3 Customer Impact of Change and Recommended Action

No actions necessary.

4 Change 3 – External Clock Source LCD Controller

4.1 Key Characteristics of the Change

Change to use the LCD Controller of the CPU with an external clock source.

4.2 Description of Change to the Customer

The resistor R2 will now be assembled. The LCDLCLK pin of the CPU (PTR3) is now available on the SODIMM connector at pin 68.

4.3 Customer Impact of Change and Recommended Action

The CPU pin PTR3 can be used as external clock source for the LCD controller (LCDLCLK) or for the address-/data bus of the CPU (IOIS16#). When using the pin as IOIS16# left the pin 68 of the SODIMM connector on your baseboard unconnected. When using the pin as LCDLCLK left the pin 198 of the SODIMM connector on your baseboard unconnected.