

Product Change Notice - PCN-2010-002

Rev	Date/Signature	Changes
1	11.10.2010/Sr	First Revision

1 Product affected

Product affected	Replacement
DIMM-SH7723-3	DIMM-SH7723-4
DIMM-SH7723-3-ET	DIMM-SH7723-4-ET
DIMM-SH7723-3-HL	DIMM-SH7723-4-HL

2 Change 1 – USB Controller

2.1 Key Characteristics of the Change

Package Change of USB Controller IC9

2.2 Description of Change to the Customer

Because of the discontinued production of the USB Controller ISP1181BDGG with TSSOP-48 package, the PCB layout is changed to the HVQFN-48 package.

2.3 Customer Impact of Change and Recommended Action

No actions necessary.

3 Change 2 – Touch Controller

3.1 Key Characteristics of the Change

Touch Controller IC10 changed

3.2 Description of Change to the Customer

The Touch Controller TSC2007 from Texas Instrument is replaced by the AR1020-I/SS from Microchip.

3.3 Customer Impact of Change and Recommended Action

This change regards to all operating systems. An update of the touch controller driver/operation system and the display table is necessary.

Please ask emtrion for the current software versions.

4 Change 3 – LCD Clock

4.1 Key Characteristics of the Change

Series resistor for LCD Clock

4.2 Description of Change to the Customer

To improve the EMC characteristics a series resistor is added to the LCD Clock.

4.3 Customer Impact of Change and Recommended Action

No actions necessary.

5 Change 4 – NOR-Flash

5.1 Key Characteristics of the Change

Improvement of write protection of the NOR-Flash IC14

5.2 Description of Change to the Customer

The VPP pin of the NOR-Flash PC28F640P33B85 from Numonyx can now be controlled by a GPIO of the CPU. This improves the write protection mechanism.

5.3 Customer Impact of Change and Recommended Action

An update of the uboot is necessary.

Please ask emtrion for the current software versions.

6 Change 5 – Power Sequencing

6.1 Key Characteristics of the Change

Improvement of the power sequencing

6.2 Description of Change to the Customer

To fulfill new specifications of the SH7723 CPU a supervisor for the RCLK clock is added. This supervisor controls the power sequencing at startup.

6.3 Customer Impact of Change and Recommended Action

No actions necessary.

7 Change 6 – Production & Testability

7.1 Key Characteristics of the Change

Improvement of testability and production

7.2 Description of Change to the Customer

To improve the testability and production some parts are moved and several test points are added.

7.3 Customer Impact of Change and Recommended Action

No actions necessary.