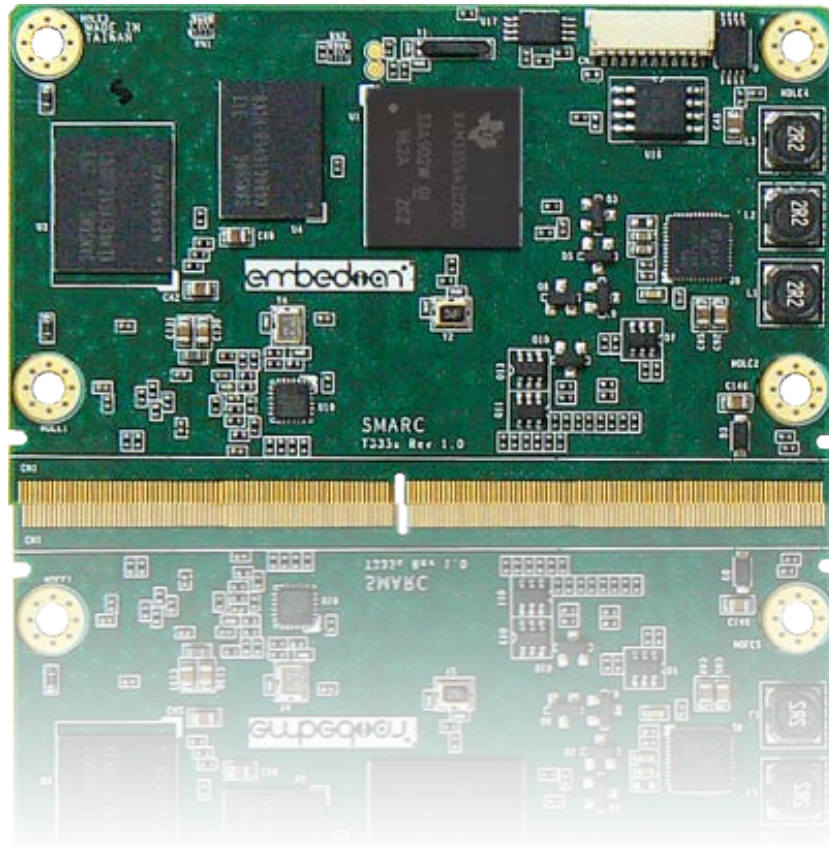


Hardware Revision History

SMARC Computer on Module

SMARC T335x Hardware Revision History





Revision History

<i>Revision</i>	<i>Date</i>	<i>Changes from Previous Revision</i>
1.0	2014/04/16	Initial Release

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Revision 00B0

1. DDR3

Change from B die (K4B4G1646B-HCK0000) to D die (K4B4G1646D-BCK0000) because the B die is announced EOL.

Software Modification

No

2. eMMC

Change from eMMC 4.5 (KLM4G1YE4C-B001002) to eMMC 5.0 (KLM4G1YEMD-B031001) because of eMMC 4.5 will be phased out soon.

Software Modification

Linux V3.2:

```
drivers/mmc/core/mmc.c
```

3. Golden Finger Contact

Change the length of golden finger connector from 2.3mm to 3.1mm to comply with the SMARC specification.

Software Modification

No

4. SPI

Interchange the spix_d0 and spix_d1 to comply with in TI's EVM and BBB.

Software Modification

U-Boot:

```
board/embedian/smarct335x/mux.c
```

Linux V3.2:

```
arch/arm/mach-omap2/board-am335xevm.c
```

5. Backlight PWM and GPIO1

Interchange gpmc_ben0_cle.gpio2_5 (GPIO1) and ecap0_in_pwm0_out.gpio0_7 (LCD_BKLT_PWM). The backlight controller in rev 00A0 is controlled by GPIO. User can only turn on or off. In rev. 00B0, backlight will be controlled by PWM. Brightness can be adjusted now.

Software Modification

U-Boot:

```
board/embedian/smarct335x/mux.c  
board/embedian/smarct335x/board.c  
include/configs/smarct335x_evm.h
```

Linux V3.2:

```
arch/arm/mach-omap2/board-am335xevm.c
```

6. USB

Remove the pull up resistors of usbx_drvvbus and usb0_id.

Software Modification

U-Boot:

```
board/embedian/smarct335x/mux.c
```

Linux V3.2:

```
arch/arm/mach-omap2/board-am335xevm.c
```