NXP LPCOpen LPC40XX Release Notes

LPCOpen LPC40xx version release history and known issues

The version history and known issue lists on this page are for v2.xx releases of LPCOpen only.

Some issues are known at the time of the versioned package release. Issues found after the release can be found on the LPCOpen bug tracker pages.

LPCOpen v2.10 release (Released: 03/12/2014): LPC17xx and LPC40xx USB Updates

Changes

- Added USB (usbd_lib) examples for all supported boards

- Added USB host examples (Keyboard & Mass Storage) for all the supported boards

- lwIP freertos webserver example added

- Added documentation (readme.txt) to all projects

- Documentation released (html and windows help [chm])

- Added NAND and NOR flash examples for EA-DevKit boards

Known issues (Carry-Over)

- The BOD (Brown Out Detector) example doesn't seem to work on the LPC1788 and LPC408.

- The flashiap_flashsig example gets a HardFault on LPC1788 KEIL example.

- Only sleep mode seems to work on LPC1769. for the periph_pmu example Other modes do not wake

- The IAR build for LPC1788 and LPC4088 periph_pmu examples appears to reset on wake (always goes into sleep mode rather than iterating through the modes).

- Example periph_sdmmc intermittently fails with 'Card Acquire failed' errors on LPC1788 when pressing the reset button. Seems to work OK when running from the debugger.

- Example periph_ssp isn't working on LPC1769. There seems to be some sort of signal contention on the MISO line on the LP1769 side.

- SDMMC driver does not support non-DMA mode yet (might cause build errors)

- LPCXpresso projects for LWIP examples have an issue on Linux platforms where the include path uses a '\' slash instead of a '/' slash type. To fix the issue, simply change the slash type when the error appears.

LPCOpen v2.10 release (Released: 03/12/2014): LPC17xx and LPC40xx USB Updates

Changes

- Initial release for the LPC17xx and LCP430xx device families and the LPCXpresso LPC1768 and the Embedded Artists LCP1788 and LPC4088 boards.

Known issues (Carry-Over)

- The BOD (Brown Out Detector) example doesn't seem to work on the LPC1788 and LPC408.

- The flashiap_flashsig example gets a HardFault on LPC1788 KEIL example.

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- The IAR build for LPC1788 and LPC4088 periph_pmu examples appears to reset on wake (always goes into sleep mode rather than iterating through the modes).

- Example periph_sdmmc intermittently fails with 'Card Acquire failed' errors on LPC1788 when pressing the reset button. Seems to work OK when running from the debugger.

- Example periph_ssp isn't working on LPC1769. There seems to be some sort of signal contention on the MISO line on the LP1769 side.

- USBD_LIB and USBD_ROM examlpes were not released with this package and will be released in a follow-up package.

- USB host examples were missing from the package and will be released in a follow-up package.

- UART fractional divider generation function (Chip_UART_SetBaudFDR()) does not work correctly

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