



PRODUCT CHANGE NOTIFICATION

PCN #201906060001

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Product: Helios4

Helios4 is built around the ARMADA 388 SoM from SolidRun Ltd. They are introducing the ARMADA 388 Rev-2.1 SOM production following discontinuation of its ARMADA 388 Rev-2.0 SOM.

PCN Reference : [SR-A388-SOM-PCN-200519.pdf](#)

Description of Changes

Due to the discontinuation of some of the power management devices used for production of the ARMADA 388 Rev-2.0 SoM, and due to Marvell move from ARMADA 388 A0 revision to B0, SolidRun Ltd. is introducing an updated ARMADA 388 Rev-2.1 SoM which features equivalent power management devices from a different vendor and ARMADA388 B0 SoC revision.

Electrical

ARMADA 388 Rev-2.0 SoM power management devices from Marvell were replaced with Richtek based power management providing equivalent performance levels. Except for this change there are no changes in the electrical interface of the updated ARMADA 388 Rev-2.1 SoM. Internal to the SoM, the only change is the introduction of a 2Kbit I2C EEPROM present on I2C0 bus at address 0x53. There is no power consumption differences between the ARMADA 388 Rev-2.0 SoM and the updated ARMADA 388 Rev-2.1 SoM.

Mechanical

No change.

Software

A0/B0 chip revision change bears no functional impact. The only software visible difference is the value in the Armada 388 revision register that marks the chip revision.

Transition

All Helios4 rev 1.2 and further will be using the new ARMADA 388 Rev-2.1 SoM.