Hardware Change Log

*[P80 PMU]*

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| --- | --- | --- | --- |
| Document Title: | PMU\_Hardware\_Change\_Log | | |
| Document Reference: |  | | |
| Document Revision: |  | Date: | *08-03-2018* |
| **Comments** | | | |
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| Action | Name | Function | Signature | Date |
| --- | --- | --- | --- | --- |
| Prepared: | JOKR |  |  | 08-03-2018 |
| Verified by: |  |  |  |  |
| Approved by: |  |  |  |  |

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# Changelog

|  |  |  |  |
| --- | --- | --- | --- |
| Date | Revision | Author | Description |
|  |  |  |  |
| 12-12-2017 | 1 |  | Initial release first prototype - EDA build no. 17.1.9.592 |

# Purpose and Scope

This document describes the changes for each revision of the P80 PMU.

Raw PCB Number: 100608

# Changes to be implemented (Pending)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| No. | Description | BOM | Schematic | Layout | Who | Status |
| 1 | U26 SYNC Oscillator, Pin 2 GND is connected to VCC through R142, 100kohm, Pin 3 SET is connected to GND. |  | X | X | JOKR |  |
| 2 | Q4 MOSFET Vgs voltage can get higher than absolute maximum rating off -20V vhen Vbat gets higher than 30V | X | X |  | JOKR |  |
| 3 | Low voltage loadswitches needs to be changed. |  | X | X | BGS |  |
| 4 | GAN FET to be changed to MOSFET, or GAN Systems FET with much lower gate-source leakage. |  | X | X | BGS |  |
| 5 | Add zero ohms for RS485 connection to main bus |  | X | X | BGS |  |
| 6 | GPIOs PB00 and PB01 are used twice: |  | X | X | BGS |  |
| 7 | If new MCU: add write protect capability to FRAM |  | X | X | BGS |  |
| 8 | If new MCU: add CAN mode control |  | X | X | BGS |  |
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# Revision 2 changes implemented

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| No. | Description | BOM | Schematic | Layout | Who | Status |
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