

Purpose

Information document listing the enhancements of each revision over A5 of DP83847 DsPHYTER-II™.

Information

1. Differences between DP83847 Revision A5 and A6

- Metal layer change only.
- Improve power up performance through changes to I/O and core.
- Improve short cable performance of 100M receiver.
- Improve 100M receiver timing recovery by enabling enhanced algorithm by default. As a result, PMD_CNFG default is now 189Ch.
- Improve in tolerance to wider range of clock ppm.

2. Differences between DP83847 Revision A6 and A8

- Metal layer change only.
- Further improve power up by modifying CGM POR reset.
- Improve compatibility – work with non-IEEE compliant devices such as ATAN Phy (AT8989P).

Note: Rev A7 is a test die run, therefore the new revision is called A8.