

Overview

Alpha Data will be changing the functionality of certain products in its range. This notice lists the affected products and the nature of the changes.

Product(s) Affected:

Current Part Number	New Part Number
ADC-PCIE-XMC (mod level 2-2) (SN218-SN299)	ADC-PCIE-XMC (mod level 2-3)

Description and Purpose of Change:

Alpha Data has determined that ADC-PCIE-XMC carrier cards built with Pericom PI2EQX5904 do not use optimal re-driver settings. In general, the new settings will increase the PCIe signal integrity margin. This may or may not translate to actual system performance and stability improvements. The changes to the re-driver settings are listed in the table below.

Description	Old Value	New Value
De-emphasis	-6.5dB	-3.5dB
Equalizer	5.8dB @ 2.5GHz	2.6dB @ 2.5GHz
Tx Diff Swing (VPP)	0.5V	1.1V



All new ADC-PCIE-XMC cards will be built to this new configuration standard.

Alpha Data tracks the configuration of each card by serial number. If you have a question about the configuration of your card, write to support@alpha-data.com and give the serial numbers of interest.

Alpha Data will modify any cards already delivered within one year of the issuance of this PDN. Write to support@alpha-data.com and request a RMA (Returns Material Authority) number to begin the process.

Effective Date of Change:

12-Jan-2016

Director: 	Date: 12/1/2016
Quality Representative: 	Date: 12/1/2016

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