

**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
ADM-PCIE-KU3 (Revisions 4 and 5) (SN150-SN547)	ADM-PCIE-KU3

Description and Purpose of Change:

The ADM-PCIE-KU3 monitors the two main power rails (+3.3V and +12V) coming into the board to determine the current flowing into the card. This information allows designers the option to determine the actual real-time power consumption of the card. These two values are available from the system monitor IC that exists outside of the FPGA design. It was recently discovered that the current value reported back by the system monitor IC for current consumption was incorrect.

An invalid firmware scaling value causes incorrect current measurements on the 3.3V and 12V card edge input supplies. This issue does not affect card reliability or stability. The values returned can be corrected by multiplying as shown in the table below.

Description	Multiplier
12V0_EDGE_CURRENT	Multiply by 3
3V3_EDGE_CURRENT	Multiply by 7/3

All new ADM-PCIE-KU3 cards will be programmed with a firmware image that corrects this scaling (Firmware revision 2.1 or newer)

If customers require that their cards be updated to correct the reported current consumption figures, Alpha Data can provide the firmware image along with programing instructions, or receive the cards back for updating at our factory. Contact support@alpha-data.com to start this process.

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.

Effective Date of Change:

1-Jul-2016

Director:	Date:
Quality Representative:	Date: