

SharpStreamer™ Mini PCIE-7205

Errata Sheet

6806800U19B

February 2017

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Abbreviations

Abbreviation	Description
PCI	Peripheral Component Interconnect
GPU	Graphic Processing Unit
SD Card	Secure Digital Card

Summary of Changes

Part Number	Publication Date	Description
6806800U19B	February, 2017	Added <i>ERR02: MCP3 On-Board Voltage Sensor.</i>
6806800U19A	April, 2016	Initial version.

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1 Introduction

1.1 Purpose of this Document

This document describes the issues affecting the product variants PCIE-7205-02 with TLA number 0106810R03B and PCIE-7205-2-2 with TLA 0106810R01E.

2 Known Issues

2.1 ERR01: USB2240-AEZG-06 connection

Description:

During heavy Graphic Processing Unit (GPU) loading it was observed that the USB2240-AEZG-06 connection would become unstable and testing to the micro SD card would fail due to time out. It was observed that the Linux diagnostic software would detect that the driver would disconnect and then reconnect.

No micro SD failures were observed during environmentally stressed power cycling of the card when the PCIE-7205-2 was configured to boot from the micro SD.

Proposed solution:

The PCIE-7205-2-2 is developed to address this Erratum.

2.2 ERR02: MCP3 On-Board Voltage Sensor

Description:

The PCIE-7205-2-2 board will not return accurate power readings from the INA226A sensor IC at location U88. This is due to a board layout issue. Sensor readings at I2C address 0X88 will not accurately reflect the MCP3's power usage.

Proposed solution:

The readings from the MCP1 power sensor are accurate and can be used to estimate MCP3 power usage under similar workloads.