



Standalone Errata Report: [FR201, FR202]

RP-01: Digital and Chassis Ground Not Isolated

Overview

Category:	PCB / Hardware
SKU(s) Affected:	ADP122
Revision(s) Affected:	F02-00026R1
Revision Resolved:	No revision anticipated
Severity:	Low

Description

ADP122 is a non-isolated PoE PD (powered device) module. The FR200 product family provides a ground scheme that isolates digital and chassis ground. Downstream equipment may modify this ground scheme by shorting chassis and digital ground together within the cabling or attached circuitry. Downstream or upstream devices that depend on isolated digital and shield/chassis grounds may experience performance degradation as a result of this equipment.

In the event of a break in ground scheme due to installation environment and connected equipment, there is no safety concern. However, equipment that depends on ground isolation for protection or measurement may experience loss of performance including, but not limited to, inaccuracy of power measurement or power delivery or equipment damage.

Resolution

Customers must take care to validate upstream and downstream equipment when using this module. Customers are recommended not to install equipment that bridges digital and shield/chassis ground due to the risk of equipment damage. Internal ground pins within the USB and HDMI connectors should not be connected to shield grounds.