

PCN# 20250818000

Design Updates for

MitySOM-C10G Modules

Date: August 18, 2025

To: Purchasing Agents & Design Engineers

Dear Customer,

This is an initial announcement of a change to a product that is currently offered by Critical Link. The details of this change are on the following pages.

For questions regarding this notice, contact info@criticallink.com

Sincerely,

Critical Link, LLC

Phone: (315) 425-4045

Fax: (315) 425-4048



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Title: Design Updates for MitySOM-C10G Modules

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Overview

Changes to MitySOM-C10G System on Modules are identified in the following sections.

1 Accommodate Fansink

1.1 Description of Change

U2 (DDR) was moved 0.5mm away from U1 (FPGA).

1.2 Reason for Change

U2 was repositioned to allow for the addition of a clip-on fansink on U1, which would support improved thermal management.

1.3 Anticipated Impact on Quality or Reliability (positive / negative)

Using a fansink improves the thermal management for U1, which significantly improves both the quality and reliability under all operating conditions.

2 Power Supply Update

2.1 Description of Change

U5, U13, U14 (power supplies) were changed from AP63357QZV-7 to TLV62130ARGTR.

2.2 Reason for Change

Critical Link faced high fallout rates during assembly due issues with the previous parts footprint. A new power supply was selected with a more standardized footprint to help increase yield.

2.3 Anticipated Impact on Quality or Reliability (positive / negative)

This change will enhance the manufacturability of the product while maintaining high quality and reliability. The functionality of the product is expected to stay the same.

3 Products Affected

Details regarding the full revision history are located in the MitySOM-C10G Revision History section on the Critical Link support site:

https://support.criticallink.com/redmine/projects/mitysom_c10gx/wiki/Errata_and_Module_Product_Change_Notifications

Table 1 Products Affected

Model Number	Starting PCA	Replacement PCA
C10G-6T-4XA-RI	80-001585RI-3	80-001585RI-4
C10G-6R-4XA-RI	80-001776RI-3	80-001776RI-4

4 Document Revision History

Date	Version	Change Description
08-18-2025	1.0	Initial Version