

PCN# 20220621000

Introduction of SATA clock support and JTAG connector option codes

For MityDSP-L138 and MityDSP-L138(F) Modules

Date: August 8, 2022

To: Purchasing Agents & Design Engineers

Dear Customer,

This is an 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 the Hardware Manager Alex Block (alex.block@critiallink.com).

Sincerely,

Critical Link, LLC

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**PCN Date:** August 8, 2022

**Title:** Introduction of SATA clock support and JTAG connector option codes

**Contact:** Alex Block

**Phone:** (315) 425-4045

**EOL Dates:** Immediate (L138 Family), 12/21/2022 (L138F Family)

## **Overview**

Changes to the MityDSP-L138 and MityDSP-L138F System on Modules are identified in the following sections.

## **1 SATA clock support removed on standard offering, available as separate option code**

### **1.1 Description of Change**

The low jitter 100 MHz clock generator used for the reference PLL clock for the OMAP-L138 processor SATA peripheral interface will no longer be installed on all standard MityDSP-L138 and MityDSP-L138F offerings. Customers requiring SATA functionality should contact Critical Link and will need to update the orderable part number to include a SATA option code.

### **1.2 Reason for Change**

Critical Link is removing the SATA clock generator from the standard MityDSP-L138 and MityDSP-L138F offerings in order to mitigate component availability issues and maintain a steady supply of MityDSP-L138(F) to our customer base.

Customers requiring MityDSP-L138 or MityDSP-L138F configurations supporting SATA should contact Critical Link for the necessary ordering option code.

### **1.3 Anticipated Impact on Form, Fit, Function (positive / negative)**

Delivery of standard MityDSP-L138 modules that exclude the OMAP-L138 SATA peripheral will begin immediately. Standard MityDSP-L138F modules delivered after 12/21/2022 will not support the OMAPL138 SATA peripheral.

### **1.4 Anticipated Impact on Quality or Reliability (positive / negative)**

There is no impact to Quality or Reliability.

## **2 JTAG Connector, J2, removed on standard offering, available as separate option code**

### **2.1 Description of Change**

The OMAPL138 Emulator and FPGA JTAG connector, J2 (Hirose DF9-31P-1V(32)) will no longer be installed on all standard MityDSP-L138 and MityDSP-L138F offerings. Customers requiring the connector should contact Critical Link and will need to update the orderable part number to include a JTAG option code.

### **2.2 Reason for Change**

Critical Link is removing the OMAPL138 Emulator and FPGA JTAG interface connector from the standard MityDSP-L138 and MityDSP-L138F offerings in order to improve fielded device security, mitigate availability issues, and maintain a steady supply of MityDSP-L138(F) to our customer base.

Customers requiring MityDSP-L138 or MityDSP-L138F configurations supporting the OMAPL138 Emulator and FPGA JTAG interface should contact Critical Link for the necessary ordering option code.

### **2.3 Anticipated Impact on Form, Fit, Function (positive / negative)**

Delivery of standard MityDSP-L138 modules that exclude the JTAG interface will begin immediately. Standard MityDSP-L138F modules delivered after 12/21/2022 will not include the JTAG interface connector.

### **2.4 Anticipated Impact on Quality or Reliability (positive / negative)**

There is no impact to Quality or Reliability.

### 3 Products Affected

Details regarding the full revision history can be located in the MityDSP-L138 and MityDSP-L138F Revision History section on the Critical Link support site.

[https://support.criticallink.com/redmine/projects/arm9-platforms/wiki/Module\\_Product\\_Change\\_Notifications](https://support.criticallink.com/redmine/projects/arm9-platforms/wiki/Module_Product_Change_Notifications)

**Table 1 Products Affected**

Model Number	Last PCA	New PCA	SATA Option Code	JTAG Option Code
L138-FI-336-RL	80-001110RL-6	80-001110RL-7	Contact Critical Link	Contact Critical Link
L138-FI-325-RC	80-001108RC-6	80-001108RC-7	Contact Critical Link	Contact Critical Link
L138-FG-326-RC	80-001114RC-6	80-001114RC-7	Contact Critical Link	Contact Critical Link
L138-FG-325-RC	80-001105RC-6	80-001105RC-7	Contact Critical Link	Contact Critical Link
L138-DI-325-RI	80-001112RI-6	80-001112RI-7	Contact Critical Link	Contact Critical Link
L138-DG-325-RI	80-001115RI-6	80-001115RI-7	Contact Critical Link	Contact Critical Link
L138-DI-336-RI	80-001368RI-6	80-001368RI-7	Contact Critical Link	Contact Critical Link
L138-FM-336-RL	80-001538RL-1	80-001538RL-2	Contact Critical Link	Contact Critical Link
L138-FJ-326-RC	80-001539RC-1	80-001539RC-2	Contact Critical Link	Contact Critical Link
L138-DJ-325-RI	80-001540RI-1	80-001540RI-2	Contact Critical Link	Contact Critical Link
L138-DM-336-RI	80-001541RI-1	80-001541RI-2	Contact Critical Link	Contact Critical Link
L138-FX-325-RC	80-001103RC-6	80-001103RC-7	Contact Critical Link	Contact Critical Link
L138-DX-325-RI	80-001572RI-6	80-001572RI-7	Contact Critical Link	Contact Critical Link
L138-DH-336-RI	80-001563RI-6	80-001563RI-7	Contact Critical Link	Contact Critical Link
Others		Contact Critical Link	Contact Critical Link	Contact Critical Link

### 4 Document Revision History

Date	Version	Change Description
03-August-2022	1.0	Initial Version
08-August-2022	1.1	Add 80-001563 (L138-DH-336-RI) to Table 2 - Affected Products