

PCN# 20250727000

mDDR Synchronous DRAM replacement for

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

Date: September 9, 2025

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 info@criticallink.com

Sincerely,

Critical Link, LLC

Phone: (315) 425-4045

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PCN Number: 20250727000

PCN Date: July 27, 2025

Title: DRAM replacement for MityDSP-L138/MityDSP-L138F SOMS

Effective Date: September 1, 2025. For discussing options for extending existing configuration availability please contact Critical Link.

Overview

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

1 Replace Micron DDR Memory Devices

1.1 Description of Change

The Mobile Double Data Rate (mDDR) Synchronous DRAM component used for the 128 MB and 256 MB options of the MityDSP-L138F and MityDSP-L138 devices will be changed from a Micron manufactured device to an ISSI manufactured device according to the table below:

Density	Current Qualified MPN	Replacement MPN
128 MB	MT46H64M16LFBF-5 IT:B	IS43LR16640C-5BLI
256 MB	MT46H128M16LFB7-6 IT:B	IS43LR16128B-5BLI
256 MB	MT46H128M16LFDD-48 IT:C	IS43LR16128B-5BLI

1.2 Reason for Change

Micron is obsoleting all mDDR DRAM devices. To continue manufacturing the MityDSP-L138 product line, an alternate part must be selected.

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

There is no impact on Form, Fit, or Function. Conforming to JEDEC standards, the ISSI devices support common timing and access modes already used by the MityDSP-L138 device family.

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

There is no impact to Quality or Reliability.

2 Products Affected

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

https://support.criticallink.com/redmine/projects/arm9-platforms/wiki/Module_Product_Change_Notifications

Table 1 Products Affected

Model Number	PCA Number	Model Number	PCA Number	Model Number	PCA Number
L138-CX-225-RC	80-000288	L138-DI-336-RI	80-001368	L138-DG-225-RI-CR	80-000637
L138-FX-225-RC	80-000325	L138-DH-336-RI	80-001563	L138-FG-325-RC	80-001105
L138-FX-225-RC	80-000354	L138-CG-225-RC	80-000258	L138-FI-325-RC	80-001108
L138-DX-225-RC	80-000355	L138-CI-225-RC	80-000306	L138-FI-336-RL	80-001110
L138-DX-225-RI	80-000416	L138-DG-225-RI	80-000316	L138-DH-336-RI	80-001572
L138-FX-236-RC	80-000651	L138-DG-225-RC	80-000319	L138-FI-326-RC	80-001615
L138-FX-325-RC	80-001103	L138-FG-225-RC	80-000333	L138-FM-336-RL	80-001538RI
L138-FX-325-RC-E	80-001327	L138-FI-236-RL	80-000381	L138-FJ-326-RC	80-001539RC
L138-FX-325-RC-J	80-001711	L138-FI-236-RC	80-000393	L138-DJ-325-RI	80-001540RI
L138-DI-325-RI	80-001112	L138-DG-225-RI-C	80-000402	L138-DM-336-RI	80-001541RI
L138-FG-326-RC	80-001114	L138-DI-225-RI	80-000419	L138-FL-336-RL	80-001565RI
L138-DG-325-RI	80-001116	L138-DG-225-RI-1	80-000420	L138-DL-336-RI	80-001566RI
L138-DG-325-RI-1	80-001117	L138-DG-225-RI-C	80-000440	L138-FM-336-RL-J	80-001754
L138-DG-325-RI-CR	80-001118	L138-FG-226-RC	80-000631		

3 Document Revision History

Date	Version	Change Description
9-September-2025	1.0	Initial Version