

PCN21009: DD3L Part Number Change on PolarFire Evaluation Kit (MPF300-EVAL-KIT)

February 26, 2021

Description

There is a change in DDR3L part on the PolarFire Evaluation Kit. The change is listed in the following table.

	Old Part	New Part
Part Number	MT41K1G8SN-125: A	MT41K512M8DA-107: P
Product Specifications	SDRAM - DDR3L Memory IC 8 Gb (1G x 8) Parallel 800 MHz 13.75 ns 78-FBGA (9x13.2)	SDRAM - DDR3L Memory IC 4 Gb (512M x 8) Parallel 933 MHz 20 ns 78-FBGA (8x10.5)

Note: Microchip will offer no Return Material Authorization (RMA) for kits that have the older MT41K1G8SN-125:A device and recommends ordering a new kit to obtain the MT41K512M8DA-107: P device.

Reason for Change

The part number (MT41K1G8SN-125: A) has been obsoleted by the manufacturer, therefore the DDR3L part number (2 units, U18, U19) on the board has changed.

Application Impact

- There is no impact to the form and functionality of the PolarFire Evaluation Kit.
- All demonstrative applications designed to run on the PolarFire Evaluation Kit and require the DDR3L must be updated to include appropriate configuration parameters corresponding to the new DDR3L part (MT41K512M8DA-107: P) in the Libero SoC project.
- Existing customer application designs requiring DDR3L memory size of more than 8 Gb will be impacted and must be modified to fit the memory size of the new DDR3L part (MT41K512M8DA-107: P).
- All relevant documentation on the Microchip website will be updated to reflect the new part number and details of the corresponding configuration changes to be included in the Libero SoC project.

Method to Identify

- The revision number of the PolarFire Evaluation Kit with the new DDR3L part has been revised to Rev E.
- U18, U19 on the board now correspond to the new DDR3L part MT41K512M8DA-107: P.

Products Affected

Evaluation Kit	Orderable Part Number
PolarFire Evaluation Kit	MPF300-EVAL-KIT

Product Shipment Schedule

All PolarFire Evaluation Kits shipped no sooner than 15 March, 2021, will contain the updated DDR3L part.

Samples Availability

Not applicable.

Contact Information

If you have any questions about this subject, contact Microsemi Technical Support department by using the support portal at <https://soc.microsemi.com/Portal/Default.aspx>

Regards,

Microsemi Corporation

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