



Mellanox End of Life Notification

Mellanox EOL Notification Procedure #: LCR-000611

EOL Title: EOL Notification Resulting from ConnectX-5 ASIC Substrate Design Update based on PCN-ECR-006922

Customer: All

Notice Date: May 25, 2020

Dear Customer,

Reason for Change and Termination:

Mellanox plans to update ConnectX-5 ASIC substrate design in order to meet growing demand of this product. The new substrate design will allow a higher volume of manufacturing. As a result, the current ConnectX-5 ASICs are moving to end of life (EOL) and should be replaced with the updated ConnectX-5 ASICs, which are fully pin compatible, firmware compatible and provide the same performance.

The updated ConnectX-5 package will be ~0.45mm thicker as compared to the current ConnectX-5 package; see *Appendix A: Package Drawings* below for details.

Mellanox has already issued an Advance Product Change Notification (PCN-ECR-006922) to its ConnectX-5 ASIC customers, so they can plan ahead for the transition, as needed (e.g. consider ConnectX-5 heatsink height, etc.).

Qualification activities on the updated ConnectX-5 substrate design, both at the IC and system levels, will be completed by May 30, 2020.

Replacement Parts:

Mellanox is announcing the manufacture discontinue and End of Life (EoL) of the products listed in Table 1. The suggested replacement products are provided in the same table.

All replacement products are **fully pin compatible**, firmware compatible and provide the same performance.

Table 1: EoL'd Product Ordering Part Numbers (OPNs) and Replacement Product OPNs

Discontinued Part Number	Marketing Description	Replacement Part Number
Ethernet Devices		
MT27804A0-FCCF-CE	ConnectX®-5 EN, 1-port IC, 100GbE, PCIe 3.0 x16	MT27804A0-FDCF-CE
MT27808A0-FCCF-CE	ConnectX®-5 EN, 2-port IC, 100GbE, PCIe 3.0 x16	MT27808A0-FDCF-CE
MT27808A0-FCCF-CEM	ConnectX®-5 EN, 2-port IC, 100GbE, Multi-Host, PCIe 3.0 x16	MT27808A0-FDCF-CEM
MT27804A0-FCCF-GE	ConnectX®-5 EN, 1-port IC, 50GbE, PCIe 3.0 x16	MT27804A0-FDCF-GE

Discontinued Part Number	Marketing Description	Replacement Part Number
MT27808A0-FCCF-GE	ConnectX®-5 EN, 2-port IC, 50GbE, PCIe 3.0 x16	MT27808A0-FDCF-GE
MT27808A0-FCCF-BE	ConnectX®-5 EN, 2-port IC, 40GbE, PCIe 3.0 x16	MT27808A0-FDCF-BE
MT27808A0-FCCF-AE	ConnectX®-5 EN, 2-port IC, 25GbE, PCIe 3.0 x16	MT27808A0-FDCF-AE
MT27808A0-FCCF-AEM	ConnectX®-5 EN, 2-port IC, 25GbE Multi Host, PCIe 3.0 x16	MT27808A0-FDCF-AEM
InfiniBand/VPI Devices		
MT27804A0-FCCF-EV	ConnectX®-5 VPI, 1-port IC, EDR/100GbE, PCIe 3.0 x16	MT27804A0-FDCF-EV
MT27808A0-FCCF-EV	ConnectX®-5 VPI, 2-port IC, EDR/100GbE, PCIe 3.0 x16	MT27808A0-FDCF-EV
MT27808A0-FCCF-EVM	ConnectX®-5 VPI, 2-port IC, EDR/100GbE, Multi-Host, PCIe 3.0 x16	MT27808A0-FDCF-EVM
MT28808A0-FCCF-EV	ConnectX®-5 Ex VPI, 2-port IC, EDR/100GbE, PCIe 4.0 x16	MT28808A0-FDCF-EV
MT28808A0-FCCF-EVM	ConnectX®-5 Ex VPI, 2-port IC, EDR/100GbE, Multi-Host, PCIe 4.0 x16	MT28808A0-FDCF-EVM
MT27808A0-FCCF-FV	ConnectX®-5 VPI, 2-port IC, FDR/40GbE, PCIe 3.0 x16	MT27808A0-FDCF-FV

Milestones:

Table 2 lists the end-of-life milestones: last time buy date and last time ship date.

Table 2: End of Life Milestones

Milestone	Definition	Date
Last Time Buy (LTB)* Date	The last date to order the product through a Mellanox point-of-sale mechanism. The product is no longer for sale after this date.	Dec 31, 2020
Last Ship Date	The last possible ship date that can be requested of Mellanox and/or its distributors. Actual ship date is dependent on lead time.	Jun 30, 2021

For more information, please contact your local account representative.

Regards,

Mellanox Technologies

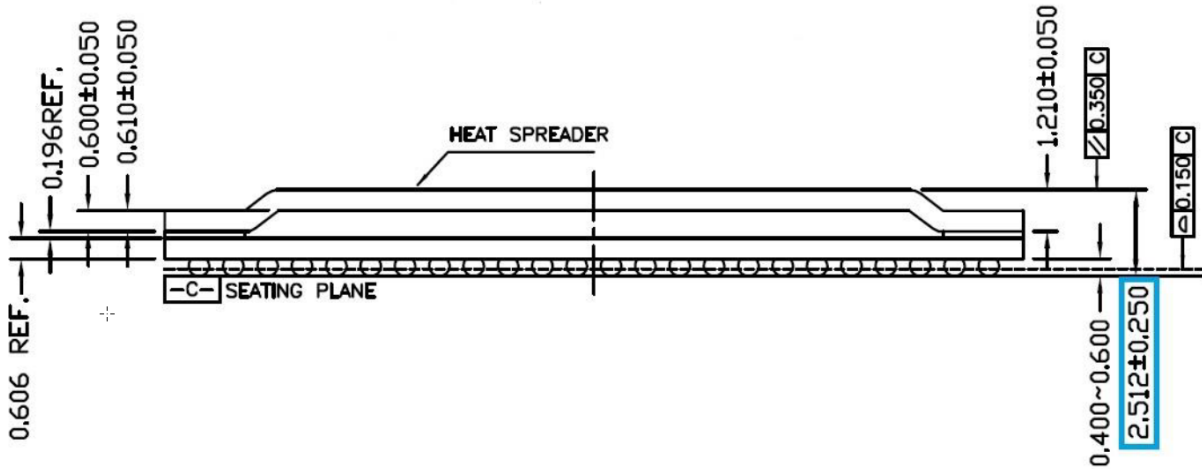
www.mellanox.com

*Manufacture Discontinue and Last Time Buy Definition - As part of Mellanox's EOL notification program, this notice serves as a formal communication of Mellanox's intent to perform a Manufacture Discontinue (MD) of the products listed above and propose a Last Time Buy (LTB) date for each product. For the time between LTB, MD and EOL, emergency recovery and/or upgrades may be performed in accordance with customer-specific service plans or upgrade agreements, as negotiated prior to LTB.

Appendix A: Package Drawings

The package drawings show the 0.45mm increase in the package height.

Height of the **current** ConnectX-5 package is: 2.51mm +/- 0.25mm



Height of the **updated** ConnectX-5 package is: 2.96mm +/- 0.25mm

