Product Change	Date March 9, 2021
Product	ConnectCore i.MX51 (select variants) Notice # 181005-01-Reissue Rev A

Reason for Change:

Technical Requirement	X Product Transition
Customer Requirement	Product Discontinuation
Quality Improvement	Product Enhancement
Change of Production Location	Other (Brand Change)

Audience	All Embedded distributors and direct customers
Description of change	Due to the obsolescence of the previously qualified memory for the ConnectCore i.MX51 product, Digi has qualified a corresponding replacement. The qualification of the new memory component updates the Digi internal part number of the assembly. The QVL for the Nand Flash will be modified to include Samsung K9F1G08U0D-SIB0, ATO AFND1G08U3-CKAI, and Micron MT29F1G08ABAEA . All 3 memory suppliers are Form/Fit/Functionally compatible and will be used interchangeably depending on their availability, without affecting quality or warranty . As part of Digi's standard qualification process, Digi has updated firmware to support all affected PNs. The corresponding software changes provide support for the new qualified flash for U-Boot and Windows Embedded Compact 7. No changes are required for linux. For the modules in the appendix shown below, the replacement memory part requires updating U-Boot and Windows CE 7 source code and rebuilding the firmware. **Note that non-updated firmware will not run on modules that incorporate**

Timing of Change	Effectivity Dates – See Appendix
Affected Part Numbers	See Appendix
Notes/Actions	Digi will update all standard ConnectCore i.MX51 to support modules with the qualified Memory component as noted above. Customers are required to patch the U-Boot and Windows CE code base with the new software patch and then rebuild their firmware projects.

	Follow the instructions provided below to update your code base and to rebuild the firmware.
	
	Update source code
	  ˅ Digi Embedded Linux 5.9
	      The software patches are distributed and installed via the Package Manager. Install the package AFND1G08U3-nand-patch and rebuild the U-Boot.
	      Note that linux works correctly with the new flash and it is not required to rebuild it.
	
	  ˅ Windows Embedded Compact 7
	      Download the software patch files (U-Boot-ATO-Nand-Patch.zip and WCE7-ATO-NAND.zip) and follow the instructions provided inside the files.
	
	  ˅ Other versions
	      Please contact Digi Tech Support
	
	Rebuild the U-Boot and Windows CE project
	      After updating your code base, rebuild your projects and generate new firmware images. The new binary image(s) will work with both new revision and older revisions of the products.
	
	Samples availability
	Please contact your Digi Sales Rep.
	
	Additional Information
	If you have concerns or questions about this notice please contact your sales representative or our technical support department via telephone at 952-912-

Additional Notes	As memory part availability continues to be an issue in the entire industry, Digi will be proactive to qualify alternative sources when appropriate. Software patches are inconvenient, but Digi wants to ensure that we can provide customers product in a timely manner.

Quality Issues	None
Authorization	Kim Knutsen, Sr. Product Manager, Digi International

Appendix:

Affected Part Numbers		New Revision	Effective Date
CC-MX-LC47-ZM	ConnectCore i.MX51 800Mhz 128/128	G	Immediately
CC-MX-MB47-ZM	ConnectCore i.MX51 600Mhz 128/128	K	Immediately
CC-WMX-LC47-VM-EOL	ConnectCore Wi-i.MX51 800Mhz 128/128	H	Immediately