

DATE:

January 3, 2017

PRODUCT:

ConnectCard for i.MX28

REASON:

Ethernet PHY replacement

PART NUMBERS AFFECTED (SKUs):

Part Number	Description	New Revision
CC-MX-PF47-AE	ConnectCard i.MX287,128/128,2xENET,LCD (AEI) (25)	E
CC-MX-PF47-AE-1	ConnectCard i.MX287,128/128,2xENET,LCD (AEI) (25)	E
CC-MX-PF47-NN	ConnectCard i.MX28 128/128 1x ENET	D
CC-MX-PF47-NN-1	ConnectCard i.MX28 128/128 1x ENET	D
CC-MX-PF47-ZK	ConnectCard i.MX287, 128/128,2xENET,LCD	E
CC-MX-PF47-ZK-B	ConnectCard i.MX287, 128/128,2xENET,LCD (25)	E
CC-MX-PF47-ZM	ConnectCard i.MX287, 128/128,1xENET, LCD	E
CC-MX-PF47-ZM-B	ConnectCard i.MX287, 128/128,1xENET, LCD(25)	E
CC-MX-PF58-ZK	ConnectCard i.MX287, 256/256,2xENET,LCD	E
CC-MX-PF58-ZK-B	ConnectCard i.MX287, 256/256,2xENET,LCD (25)	E
CC-WMX28-LX	ConnectCard,Wi-i.MX28 Linux JSK	J
CC-WMX28-LX-J	ConnectCard,Wi-i.MX28 Japan JSK	F
CC-WMX-PE47-JT	ConnectCard Wi-i.MX280,128/128,1xENET,JT	E
CC-WMX-PE47-JT-B	ConnectCard Wi-i.MX280,128/128,1xENET,JT (25)	E
CC-WMX-PE47-TM	ConnectCard Wi-i.MX280 128/128,BT,Int	E
CC-WMX-PE47-TM-B	ConnectCard Wi-i.MX280 128/128,BT,Int(25)	E
CC-WMX-PF47-ALG	ConnectCard Wi-i.MX28	C
CC-WMX-PF47-ALG1	ConnectCard Wi-i.MX28	C
CC-WMX-PF47-TK	ConnectCard Wi-i.MX287,BT,128/128,2xENET,LCD	D
CC-WMX-PF47-TK-B	ConnectCard Wi-i.MX287,BT,128/128,2xENET,LCD (25)	D
CC-WMX-PF47-VM	ConnectCard Wi-i.MX287,128/128,1xENET,LCD	C
CC-WMX-PF47-VM-B	ConnectCard Wi-i.MX287,128/128,1xENET,LCD (25)	C
CC-WMX-PF58-JT	ConnectCard Wi-i.MX287,BT,256/256,2xENET,LCD	E
CC-WMX-PF58-JT-B	ConnectCard Wi-i.MX287,BT,256/256,2xENET,LCD (25)	E
CC-WMX-PF58-JT-J	ConnectCard Wi-i.MX287,BT,256/256,2xENET,LCD (Japan)	D
CC-WMX-PF58-QK	ConnectCardINTL Wi-i.MX287 BT,256/256,2xENET,LCD	D
CC-WMX-PF58-QK-B	ConnectCardINTL Wi-i.MX287 BT,256/256,2xENET,LCD	D
CC-WMX-PF58-VM	ConnectCard Wi-i.MX287,256/256,1xENET,LCD	E
CC-WMX-PF58-VM-B	ConnectCard Wi-i.MX287,256/256,1xENET,LCD (25)	E

NOTICE:

Due to the obsolescence of the previously qualified Micrel Ethernet PHY model KSZ8031 used on the ConnectCard for i.MX28 product, Digi has qualified the corresponding Micrel replacement part KSZ8081RNAIA.

The qualification of the new Ethernet PHY component changes the *Digi internal part number* of the component from Digi P/N 16051477 to Digi P/N 16051885 in order to facilitate build consistency, QVL updates, and inventory management.

The selected Ethernet PHY replacement KSZ8081RNAIA is functionally compatible with the previously populated Ethernet PHY model KSZ8031.

As part of Digi's standard component and supplier qualification process, Digi has updated U-Boot to support the newly qualified part. The corresponding software changes are related to the identification of the new Ethernet PHY (device ID change).

INSTRUCTIONS:

Digi will update all standard ConnectCard for i.MX28 SKUs to support modules with the qualified Ethernet PHY replacement.

NOTE: The software updates outlined in this document are required for customers with custom U-Boot builds only. No software changes are required for customers utilizing standard (pre-programmed) Digi U-Boot builds.

All *custom builds* of U-Boot need to be based on DUB-1.6.4, or newer.

All software updates have already been released as part of Digi Embedded Linux 5.9.8 (via Package Manager) and Digi Embedded Yocto 1.6.6.

Digi Embedded Linux customers have to update their DEL installations through the Package Manager, create a new U-Boot project, and rebuild U-Boot accordingly.

Digi Embedded Yocto 1.6 customers need to update to v1.6.6 and rebuild U-Boot:

```
cd /usr/local/dey-1.6
repo init -u https://github.com/digidotcom/dey-manifest.git -b refs/tags/1.6.6
repo sync -j4 --no-repo-verify
```

Note: Remove *tmp* and *sstate-cache* folders from exiting projects and build.

If you have any additional questions or concerns, please contact the Digi technical support experts online at www.digi.com/support.

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