



March 21, 2016

Subject: PCN# 03A-16 Notification of Changes to the MachXO2 and MachXO3 Family Data Sheets

Dear Lattice Customer,

Lattice is providing this notification of changes to the MachXO2™ Family and the MachXO3™ Family Data Sheets.

Change Description

The new MachXO2 Family Data Sheet (DS1035 Version 03.1, released in March 2016) updates the timing specifications governing PROGRAMN assertion to DONE de-assertion time $t_{DPPDONE}$, and PROGRAMN assertion to INITN de-assertion time $t_{DPPINIT}$. The specifications change from 80ns maximum to 150ns maximum. These same changes will appear in the MachXO3 Family Data Sheet (DS1047 Version 01.6, to be released in April 2016).

Designs that do not use the optional SDM port pins DONE or INITN are not affected by this PCN. Designs which were compiled using Lattice Diamond™ Software Version 1.2 or earlier are not affected by this PCN. Those customers using the DONE and/or INITN on their MachXO2 devices and which are compiled in Lattice Diamond™ Software Version 1.3 and later should examine how these signals are used in their overall system environment to determine if their designs are sensitive to the change in these timing parameters. It is anticipated that most applications will be insensitive to the specification change.

Affected Products

The Ordering Part Numbers (OPNs) affected by this PCN are listed in **ANNEX I** below. This PCN also affects any custom devices (i.e. factory programmed, special test, etc.), which are derived from any of the devices listed in the table.

Datasheet Specifications

The revised MachXO2 Family Data Sheet (DS1035 Version 03.1, released in March 2016) reflects the change described above and is available on the Lattice website.

The revised MachXO3 Family Data Sheet (DS1047 Version 01.6, to be released in April 2016) reflects the change described above and will be available on the Lattice website.

Software Support

Lattice Diamond™ Software Version 1.3 (released in September 2011) creates designs which conform to the new timing specification.

PCN Timing

The datasheet changes are effective immediately and retroactively.

Lattice Semiconductor Home Page: <http://www.latticesemi.com>

Response

Those customers using the DONE and/or INITN on their MachXO2 devices and which are compiled in Lattice Diamond™ Software Version 1.3 and later should examine how these signals are monitored in their overall system environment to determine if their designs are sensitive to changes in these timing parameters. Customers who have further questions regarding this specification change are encouraged to contact local field support. It is not necessary to recompile the design in response to this notification.

Lattice Semiconductor Home Page: <http://www.latticesemi.com>

PCN# 03A-16 ANNEX I: Affected Devices - Databook Name

LCMXO2-1200HC-4MG132C	LCMXO2-1200ZE-3TG144I	LCMXO2-2000HE-6TG144C	LCMXO2-256HC-5SG32I
LCMXO2-1200HC-4MG132I	LCMXO2-2000HC-4BG256C	LCMXO2-2000HE-6TG144I	LCMXO2-256HC-5TG100C
LCMXO2-1200HC-4SG32C	LCMXO2-2000HC-4BG256I	LCMXO2-2000UHC-4FG484C	LCMXO2-256HC-5TG100I
LCMXO2-1200HC-4SG32I	LCMXO2-2000HC-4FT256C	LCMXO2-2000UHC-4FG484I	LCMXO2-256HC-5UMG64C
LCMXO2-1200HC-4TG100C	LCMXO2-2000HC-4FTG256C	LCMXO2-2000UHC-5FG484C	LCMXO2-256HC-5UMG64I
LCMXO2-1200HC-4TG100I	LCMXO2-2000HC-4FTG256I	LCMXO2-2000UHC-5FG484I	LCMXO2-256HC-6MG132C
LCMXO2-1200HC-4TG144C	LCMXO2-2000HC-4MG132C	LCMXO2-2000UHC-6FG484C	LCMXO2-256HC-6MG132I
LCMXO2-1200HC-4TG144I	LCMXO2-2000HC-4MG132I	LCMXO2-2000UHC-6FG484I	LCMXO2-256HC-6SG32C
LCMXO2-1200HC-4UWG25CTR	LCMXO2-2000HC-4TG100C	LCMXO2-2000UHE-4FG484C	LCMXO2-256HC-6SG32I
LCMXO2-1200HC-4UWG25CTR50	LCMXO2-2000HC-4TG100I	LCMXO2-2000UHE-4FG484I	LCMXO2-256HC-6TG100C
LCMXO2-1200HC-4UWG25ITR	LCMXO2-2000HC-4TG144C	LCMXO2-2000UHE-5FG484C	LCMXO2-256HC-6TG100I
LCMXO2-1200HC-4UWG25ITR1K	LCMXO2-2000HC-4TG144I	LCMXO2-2000UHE-5FG484I	LCMXO2-256HC-6UMG64C
LCMXO2-1200HC-4UWG25ITR50	LCMXO2-2000HC-5BG256C	LCMXO2-2000UHE-6FG484C	LCMXO2-256HC-6UMG64I
LCMXO2-1200HC-5MG132C	LCMXO2-2000HC-5BG256I	LCMXO2-2000UHE-6FG484I	LCMXO2-256ZE-1MG132C
LCMXO2-1200HC-5MG132I	LCMXO2-2000HC-5FTG256C	LCMXO2-2000ZE-1BG256C	LCMXO2-256ZE-1MG132I
LCMXO2-1200HC-5SG32C	LCMXO2-2000HC-5FTG256I	LCMXO2-2000ZE-1BG256I	LCMXO2-256ZE-1SG32C
LCMXO2-1200HC-5SG32I	LCMXO2-2000HC-5MG132C	LCMXO2-2000ZE-1FTG256C	LCMXO2-256ZE-1SG32I
LCMXO2-1200HC-5TG100C	LCMXO2-2000HC-5MG132I	LCMXO2-2000ZE-1FTG256I	LCMXO2-256ZE-1TG100C
LCMXO2-1200HC-5TG100I	LCMXO2-2000HC-5TG100C	LCMXO2-2000ZE-1MG132C	LCMXO2-256ZE-1TG100I
LCMXO2-1200HC-5TG144C	LCMXO2-2000HC-5TG100I	LCMXO2-2000ZE-1MG132I	LCMXO2-256ZE-1UMG64C
LCMXO2-1200HC-5TG144I	LCMXO2-2000HC-5TG144C	LCMXO2-2000ZE-1TG100C	LCMXO2-256ZE-1UMG64I
LCMXO2-1200HC-6MG132C	LCMXO2-2000HC-5TG144I	LCMXO2-2000ZE-1TG100I	LCMXO2-256ZE-2MG132C
LCMXO2-1200HC-6MG132I	LCMXO2-2000HC-6BG256C	LCMXO2-2000ZE-1TG144C	LCMXO2-256ZE-2MG132I
LCMXO2-1200HC-6SG32C	LCMXO2-2000HC-6BG256I	LCMXO2-2000ZE-1TG144I	LCMXO2-256ZE-2SG32C
LCMXO2-1200HC-6SG32I	LCMXO2-2000HC-6FT256C	LCMXO2-2000ZE-1UWG49ITR	LCMXO2-256ZE-2SG32I
LCMXO2-1200HC-6TG100C	LCMXO2-2000HC-6FTG256C	LCMXO2-2000ZE-1UWG49ITR1K	LCMXO2-256ZE-2TG100C
LCMXO2-1200HC-6TG100I	LCMXO2-2000HC-6FTG256I	LCMXO2-2000ZE-1UWG49ITR50	LCMXO2-256ZE-2TG100I
LCMXO2-1200HC-6TG144C	LCMXO2-2000HC-6MG132C	LCMXO2-2000ZE-2BG256C	LCMXO2-256ZE-2UMG64C
LCMXO2-1200HC-6TG144I	LCMXO2-2000HC-6MG132I	LCMXO2-2000ZE-2BG256I	LCMXO2-256ZE-2UMG64I
LCMXO2-1200UHC-4FTG256C	LCMXO2-2000HC-6TG100C	LCMXO2-2000ZE-2FTG256C	LCMXO2-256ZE-3MG132C
LCMXO2-1200UHC-4FTG256I	LCMXO2-2000HC-6TG100I	LCMXO2-2000ZE-2FTG256I	LCMXO2-256ZE-3MG132I
LCMXO2-1200UHC-5FTG256C	LCMXO2-2000HC-6TG144C	LCMXO2-2000ZE-2MG132C	LCMXO2-256ZE-3SG32C
LCMXO2-1200UHC-5FTG256I	LCMXO2-2000HC-6TG144I	LCMXO2-2000ZE-2MG132I	LCMXO2-256ZE-3SG32I
LCMXO2-1200UHC-6FTG256C	LCMXO2-2000HE-4BG256C	LCMXO2-2000ZE-2TG100C	LCMXO2-256ZE-3TG100C
LCMXO2-1200UHC-6FTG256I	LCMXO2-2000HE-4BG256I	LCMXO2-2000ZE-2TG100I	LCMXO2-256ZE-3TG100I
LCMXO2-1200ZE-1MG132C	LCMXO2-2000HE-4FTG256C	LCMXO2-2000ZE-2TG144C	LCMXO2-256ZE-3UMG64C
LCMXO2-1200ZE-1MG132I	LCMXO2-2000HE-4FTG256I	LCMXO2-2000ZE-2TG144I	LCMXO2-256ZE-3UMG64I
LCMXO2-1200ZE-1SG32C	LCMXO2-2000HE-4MG132C	LCMXO2-2000ZE-3BG256C	LCMXO2-4000HC-4BG256C
LCMXO2-1200ZE-1SG32I	LCMXO2-2000HE-4MG132I	LCMXO2-2000ZE-3BG256I	LCMXO2-4000HC-4BG256I
LCMXO2-1200ZE-1TG100C	LCMXO2-2000HE-4TG100C	LCMXO2-2000ZE-3FTG256C	LCMXO2-4000HC-4BG332C
LCMXO2-1200ZE-1TG100I	LCMXO2-2000HE-4TG100I	LCMXO2-2000ZE-3FTG256I	LCMXO2-4000HC-4BG332I
LCMXO2-1200ZE-1TG144C	LCMXO2-2000HE-4TG144C	LCMXO2-2000ZE-3MG132C	LCMXO2-4000HC-4BG437C
LCMXO2-1200ZE-1TG144I	LCMXO2-2000HE-4TG144I	LCMXO2-2000ZE-3MG132I	LCMXO2-4000HC-4BG437I
LCMXO2-1200ZE-1UWG25ITR	LCMXO2-2000HE-5BG256C	LCMXO2-2000ZE-3TG100C	LCMXO2-4000HC-4FG484C
LCMXO2-1200ZE-1UWG25ITR1K	LCMXO2-2000HE-5BG256I	LCMXO2-2000ZE-3TG100I	LCMXO2-4000HC-4FG484I
LCMXO2-1200ZE-1UWG25ITR50	LCMXO2-2000HE-5FTG256C	LCMXO2-2000ZE-3TG144C	LCMXO2-4000HC-4FT256C
LCMXO2-1200ZE-2MG132C	LCMXO2-2000HE-5FTG256I	LCMXO2-2000ZE-3TG144I	LCMXO2-4000HC-4FTG256C
LCMXO2-1200ZE-2MG132I	LCMXO2-2000HE-5MG132C	LCMXO2-2000ZE-3UWG49ITR	LCMXO2-4000HC-4FTG256I
LCMXO2-1200ZE-2SG32C	LCMXO2-2000HE-5MG132I	LCMXO2-2000ZE-3UWG49ITR1K	LCMXO2-4000HC-4MG132C
LCMXO2-1200ZE-2SG32I	LCMXO2-2000HE-5TG100C	LCMXO2-2000ZE-3UWG49ITR50	LCMXO2-4000HC-4MG132I
LCMXO2-1200ZE-2TG100C	LCMXO2-2000HE-5TG100I	LCMXO2-256HC-4MG132C	LCMXO2-4000HC-4QN84C
LCMXO2-1200ZE-2TG100I	LCMXO2-2000HE-5TG144C	LCMXO2-256HC-4MG132I	LCMXO2-4000HC-4QN84I
LCMXO2-1200ZE-2TG144C	LCMXO2-2000HE-5TG144I	LCMXO2-256HC-4SG32C	LCMXO2-4000HC-4TG144C
LCMXO2-1200ZE-2TG144I	LCMXO2-2000HE-6BG256C	LCMXO2-256HC-4SG32I	LCMXO2-4000HC-4TG144I
LCMXO2-1200ZE-3MG132C	LCMXO2-2000HE-6BG256I	LCMXO2-256HC-4TG100C	LCMXO2-4000HC-5BG256C
LCMXO2-1200ZE-3MG132I	LCMXO2-2000HE-6FTG256C	LCMXO2-256HC-4TG100I	LCMXO2-4000HC-5BG256I
LCMXO2-1200ZE-3SG32C	LCMXO2-2000HE-6FTG256I	LCMXO2-256HC-4UMG64C	LCMXO2-4000HC-5BG332C
LCMXO2-1200ZE-3SG32I	LCMXO2-2000HE-6MG132C	LCMXO2-256HC-4UMG64I	LCMXO2-4000HC-5BG332I
LCMXO2-1200ZE-3TG100C	LCMXO2-2000HE-6MG132I	LCMXO2-256HC-5MG132C	LCMXO2-4000HC-5BG437C
LCMXO2-1200ZE-3TG100I	LCMXO2-2000HE-6TG100C	LCMXO2-256HC-5MG132I	LCMXO2-4000HC-5BG437I
LCMXO2-1200ZE-3TG144C	LCMXO2-2000HE-6TG100I	LCMXO2-256HC-5SG32C	LCMXO2-4000HC-5FG484C

LCMXO2-4000HC-5FG484I	LCMXO2-4000HE-6BG437C	LCMXO2-4000ZE-3QN84C	LCMXO2-7000HC-5TG144I
LCMXO2-4000HC-5FTG256C	LCMXO2-4000HE-6BG437I	LCMXO2-4000ZE-3QN84I	LCMXO2-7000HC-6BG256C
LCMXO2-4000HC-5FTG256I	LCMXO2-4000HE-6FG484C	LCMXO2-4000ZE-3TG144C	LCMXO2-7000HC-6BG256I
LCMXO2-4000HC-5MG132C	LCMXO2-4000HE-6FG484I	LCMXO2-4000ZE-3TG144I	LCMXO2-7000HC-6BG332C
LCMXO2-4000HC-5MG132I	LCMXO2-4000HE-6FTG256C	LCMXO2-640HC-4MG132C	LCMXO2-7000HC-6BG332I
LCMXO2-4000HC-5QN84C	LCMXO2-4000HE-6FTG256I	LCMXO2-640HC-4MG132I	LCMXO2-7000HC-6BG400C
LCMXO2-4000HC-5QN84I	LCMXO2-4000HE-6MG132C	LCMXO2-640HC-4TG100C	LCMXO2-7000HC-6BG400I
LCMXO2-4000HC-5TG144C	LCMXO2-4000HE-6MG132I	LCMXO2-640HC-4TG100I	LCMXO2-7000HC-6BG437C
LCMXO2-4000HC-5TG144I	LCMXO2-4000HE-6MG184C	LCMXO2-640HC-5MG132C	LCMXO2-7000HC-6BG437I
LCMXO2-4000HC-6BG256C	LCMXO2-4000HE-6MG184I	LCMXO2-640HC-5MG132I	LCMXO2-7000HC-6FG484C
LCMXO2-4000HC-6BG256I	LCMXO2-4000HE-6TG144C	LCMXO2-640HC-5TG100C	LCMXO2-7000HC-6FG484I
LCMXO2-4000HC-6BG332C	LCMXO2-4000HE-6TG144I	LCMXO2-640HC-5TG100I	LCMXO2-7000HC-6FTG256C
LCMXO2-4000HC-6BG332I	LCMXO2-4000UHC-4BG400C	LCMXO2-640HC-6MG132C	LCMXO2-7000HC-6FTG256I
LCMXO2-4000HC-6BG437C	LCMXO2-4000UHC-4BG400I	LCMXO2-640HC-6MG132I	LCMXO2-7000HC-6TG144C
LCMXO2-4000HC-6BG437I	LCMXO2-4000UHC-5BG400C	LCMXO2-640HC-6TG100C	LCMXO2-7000HC-6TG144I
LCMXO2-4000HC-6FG484C	LCMXO2-4000UHC-5BG400I	LCMXO2-640HC-6TG100I	LCMXO2-7000HE-4BG256C
LCMXO2-4000HC-6FG484I	LCMXO2-4000UHC-6BG400C	LCMXO2-640UHC-4TG144C	LCMXO2-7000HE-4BG256I
LCMXO2-4000HC-6FT256C	LCMXO2-4000UHC-6BG400I	LCMXO2-640UHC-4TG144I	LCMXO2-7000HE-4BG332C
LCMXO2-4000HC-6FTG256C	LCMXO2-4000ZE-1BG256C	LCMXO2-640UHC-5TG144C	LCMXO2-7000HE-4BG332I
LCMXO2-4000HC-6FTG256I	LCMXO2-4000ZE-1BG256I	LCMXO2-640UHC-5TG144I	LCMXO2-7000HE-4BG437C
LCMXO2-4000HC-6MG132C	LCMXO2-4000ZE-1MG332C	LCMXO2-640UHC-6TG144C	LCMXO2-7000HE-4BG437I
LCMXO2-4000HC-6MG132I	LCMXO2-4000ZE-1BG332I	LCMXO2-640UHC-6TG144I	LCMXO2-7000HE-4FG484C
LCMXO2-4000HC-6QN84C	LCMXO2-4000ZE-1BG437C	LCMXO2-640ZE-1MG132C	LCMXO2-7000HE-4FG484I
LCMXO2-4000HC-6QN84I	LCMXO2-4000ZE-1BG437I	LCMXO2-640ZE-1MG132I	LCMXO2-7000HE-4FTG256C
LCMXO2-4000HC-6TG144C	LCMXO2-4000ZE-1FG484C	LCMXO2-640ZE-1TG100C	LCMXO2-7000HE-4FTG256I
LCMXO2-4000HC-6TG144I	LCMXO2-4000ZE-1FG484I	LCMXO2-640ZE-1TG100I	LCMXO2-7000HE-4TG144C
LCMXO2-4000HE-4BG256C	LCMXO2-4000ZE-1FTG256C	LCMXO2-640ZE-2MG132C	LCMXO2-7000HE-4TG144I
LCMXO2-4000HE-4BG256I	LCMXO2-4000ZE-1FTG256I	LCMXO2-640ZE-2MG132I	LCMXO2-7000HE-5BG256C
LCMXO2-4000HE-4BG332C	LCMXO2-4000ZE-1MG132C	LCMXO2-640ZE-2TG100C	LCMXO2-7000HE-5BG256I
LCMXO2-4000HE-4BG332I	LCMXO2-4000ZE-1MG132I	LCMXO2-640ZE-2TG100I	LCMXO2-7000HE-5BG332C
LCMXO2-4000HE-4BG437C	LCMXO2-4000ZE-1QN84C	LCMXO2-640ZE-3MG132C	LCMXO2-7000HE-5BG332I
LCMXO2-4000HE-4BG437I	LCMXO2-4000ZE-1QN84I	LCMXO2-640ZE-3MG132I	LCMXO2-7000HE-5BG437C
LCMXO2-4000HE-4FG484C	LCMXO2-4000ZE-1TG144C	LCMXO2-640ZE-3TG100C	LCMXO2-7000HE-5BG437I
LCMXO2-4000HE-4FG484I	LCMXO2-4000ZE-1TG144I	LCMXO2-640ZE-3TG100I	LCMXO2-7000HE-5FG484C
LCMXO2-4000HE-4FTG256C	LCMXO2-4000ZE-2BG256C	LCMXO2-7000HC-4BG256C	LCMXO2-7000HE-5FG484I
LCMXO2-4000HE-4FTG256I	LCMXO2-4000ZE-2BG256I	LCMXO2-7000HC-4BG256I	LCMXO2-7000HE-5FTG256C
LCMXO2-4000HE-4MG132C	LCMXO2-4000ZE-2BG332C	LCMXO2-7000HC-4BG332C	LCMXO2-7000HE-5FTG256I
LCMXO2-4000HE-4MG132I	LCMXO2-4000ZE-2BG332I	LCMXO2-7000HC-4BG332I	LCMXO2-7000HE-5TG144C
LCMXO2-4000HE-4MG184C	LCMXO2-4000ZE-2BG437C	LCMXO2-7000HC-4BG400C	LCMXO2-7000HE-5TG144I
LCMXO2-4000HE-4MG184I	LCMXO2-4000ZE-2BG437I	LCMXO2-7000HC-4BG400I	LCMXO2-7000HE-6BG256C
LCMXO2-4000HE-4TG144C	LCMXO2-4000ZE-2FG484C	LCMXO2-7000HC-4BG437C	LCMXO2-7000HE-6BG256I
LCMXO2-4000HE-4TG144I	LCMXO2-4000ZE-2FG484I	LCMXO2-7000HC-4BG437I	LCMXO2-7000HE-6BG332C
LCMXO2-4000HE-5BG256C	LCMXO2-4000ZE-2FTG256C	LCMXO2-7000HC-4F484C	LCMXO2-7000HE-6BG332I
LCMXO2-4000HE-5BG256I	LCMXO2-4000ZE-2FTG256I	LCMXO2-7000HC-4FG484C	LCMXO2-7000HE-6BG437C
LCMXO2-4000HE-5BG332C	LCMXO2-4000ZE-2MG132C	LCMXO2-7000HC-4FG484I	LCMXO2-7000HE-6BG437I
LCMXO2-4000HE-5BG332I	LCMXO2-4000ZE-2MG132I	LCMXO2-7000HC-4FTG256C	LCMXO2-7000HE-6FG484C
LCMXO2-4000HE-5BG437C	LCMXO2-4000ZE-2QN84C	LCMXO2-7000HC-4FTG256I	LCMXO2-7000HE-6FG484I
LCMXO2-4000HE-5BG437I	LCMXO2-4000ZE-2QN84I	LCMXO2-7000HC-4TG144C	LCMXO2-7000HE-6FTG256C
LCMXO2-4000HE-5FG484C	LCMXO2-4000ZE-2TG144C	LCMXO2-7000HC-4TG144I	LCMXO2-7000HE-6FTG256I
LCMXO2-4000HE-5FG484I	LCMXO2-4000ZE-2TG144I	LCMXO2-7000HC-5BG256C	LCMXO2-7000HE-6TG144C
LCMXO2-4000HE-5FTG256C	LCMXO2-4000ZE-3BG256C	LCMXO2-7000HC-5BG256I	LCMXO2-7000HE-6TG144I
LCMXO2-4000HE-5FTG256I	LCMXO2-4000ZE-3BG256I	LCMXO2-7000HC-5BG332C	LCMXO2-7000ZE-1BG256C
LCMXO2-4000HE-5MG132C	LCMXO2-4000ZE-3BG332C	LCMXO2-7000HC-5BG332I	LCMXO2-7000ZE-1BG256I
LCMXO2-4000HE-5MG132I	LCMXO2-4000ZE-3BG332I	LCMXO2-7000HC-5BG400C	LCMXO2-7000ZE-1BG332C
LCMXO2-4000HE-5MG184C	LCMXO2-4000ZE-3BG437C	LCMXO2-7000HC-5BG400I	LCMXO2-7000ZE-1BG332I
LCMXO2-4000HE-5MG184I	LCMXO2-4000ZE-3BG437I	LCMXO2-7000HC-5BG437C	LCMXO2-7000ZE-1BG437C
LCMXO2-4000HE-5TG144C	LCMXO2-4000ZE-3FG484C	LCMXO2-7000HC-5BG437I	LCMXO2-7000ZE-1BG437I
LCMXO2-4000HE-5TG144I	LCMXO2-4000ZE-3FG484I	LCMXO2-7000HC-5FG484C	LCMXO2-7000ZE-1FG484C
LCMXO2-4000HE-6BG256C	LCMXO2-4000ZE-3FTG256C	LCMXO2-7000HC-5FG484I	LCMXO2-7000ZE-1FG484I
LCMXO2-4000HE-6BG256I	LCMXO2-4000ZE-3FTG256I	LCMXO2-7000HC-5FTG256C	LCMXO2-7000ZE-1FTG256C
LCMXO2-4000HE-6BG332C	LCMXO2-4000ZE-3MG132C	LCMXO2-7000HC-5FTG256I	LCMXO2-7000ZE-1FTG256I
LCMXO2-4000HE-6BG332I	LCMXO2-4000ZE-3MG132I	LCMXO2-7000HC-5TG144C	LCMXO2-7000ZE-1TG144C

LCMXO2-7000ZE-1TG144I	LCMXO3L-2100E-5MG324I	LCMXO3L-6900C-5BG324I	LCMXO3LF-4300C-5BG256I
LCMXO2-7000ZE-2BG256C	LCMXO3L-2100E-5UWG49CTR	LCMXO3L-6900C-5BG400C	LCMXO3LF-4300C-5BG324C
LCMXO2-7000ZE-2BG256I	LCMXO3L-2100E-5UWG49CTR1K	LCMXO3L-6900C-5BG400I	LCMXO3LF-4300C-5BG324I
LCMXO2-7000ZE-2BG332C	LCMXO3L-2100E-5UWG49CTR50	LCMXO3L-6900C-6BG256C	LCMXO3LF-4300C-5BG400C
LCMXO2-7000ZE-2BG332I	LCMXO3L-2100E-5UWG49ITR	LCMXO3L-6900C-6BG256I	LCMXO3LF-4300C-5BG400I
LCMXO2-7000ZE-2BG437C	LCMXO3L-2100E-5UWG49ITR1K	LCMXO3L-6900C-6BG324C	LCMXO3LF-4300C-6BG256C
LCMXO2-7000ZE-2BG437I	LCMXO3L-2100E-5UWG49ITR50	LCMXO3L-6900C-6BG324I	LCMXO3LF-4300C-6BG256I
LCMXO2-7000ZE-2FG484C	LCMXO3L-2100E-6MG121C	LCMXO3L-6900C-6BG400C	LCMXO3LF-4300C-6BG324C
LCMXO2-7000ZE-2FG484I	LCMXO3L-2100E-6MG121I	LCMXO3L-6900C-6BG400I	LCMXO3LF-4300C-6BG324I
LCMXO2-7000ZE-2FTG256C	LCMXO3L-2100E-6MG256C	LCMXO3L-6900E-5MG256C	LCMXO3LF-4300C-6BG400C
LCMXO2-7000ZE-2FTG256I	LCMXO3L-2100E-6MG256I	LCMXO3L-6900E-5MG256I	LCMXO3LF-4300C-6BG400I
LCMXO2-7000ZE-2TG144C	LCMXO3L-2100E-6MG324C	LCMXO3L-6900E-5MG324C	LCMXO3LF-4300E-5MG121C
LCMXO2-7000ZE-2TG144I	LCMXO3L-2100E-6MG324I	LCMXO3L-6900E-5MG324I	LCMXO3LF-4300E-5MG121I
LCMXO2-7000ZE-3BG256C	LCMXO3L-2100E-6UWG49CTR	LCMXO3L-6900E-6MG256C	LCMXO3LF-4300E-5MG256C
LCMXO2-7000ZE-3BG256I	LCMXO3L-2100E-6UWG49CTR1K	LCMXO3L-6900E-6MG256I	LCMXO3LF-4300E-5MG256I
LCMXO2-7000ZE-3BG332C	LCMXO3L-2100E-6UWG49CTR50	LCMXO3L-6900E-6MG324C	LCMXO3LF-4300E-5MG324C
LCMXO2-7000ZE-3BG332I	LCMXO3L-2100E-6UWG49ITR	LCMXO3L-6900E-6MG324I	LCMXO3LF-4300E-5MG324I
LCMXO2-7000ZE-3BG437C	LCMXO3L-2100E-6UWG49ITR1K	LCMXO3LF-1300C-5BG256C	LCMXO3LF-4300E-5UWG81CTR
LCMXO2-7000ZE-3BG437I	LCMXO3L-2100E-6UWG49ITR50	LCMXO3LF-1300C-5BG256I	LCMXO3LF-4300E-5UWG81CTR1K
LCMXO2-7000ZE-3FG484C	LCMXO3L-4300C-5BG256C	LCMXO3LF-1300C-6BG256C	LCMXO3LF-4300E-5UWG81CTR50
LCMXO2-7000ZE-3FG484I	LCMXO3L-4300C-5BG256I	LCMXO3LF-1300C-6BG256I	LCMXO3LF-4300E-5UWG81ITR
LCMXO2-7000ZE-3FTG256C	LCMXO3L-4300C-5BG324C	LCMXO3LF-1300E-5MG121C	LCMXO3LF-4300E-5UWG81ITR1K
LCMXO2-7000ZE-3FTG256I	LCMXO3L-4300C-5BG324I	LCMXO3LF-1300E-5MG121I	LCMXO3LF-4300E-5UWG81ITR50
LCMXO2-7000ZE-3TG144C	LCMXO3L-4300C-5BG400C	LCMXO3LF-1300E-5MG256C	LCMXO3LF-4300E-6MG121C
LCMXO2-7000ZE-3TG144I	LCMXO3L-4300C-5BG400I	LCMXO3LF-1300E-5MG256I	LCMXO3LF-4300E-6MG121I
LCMXO3L-1300C-5BG256C	LCMXO3L-4300C-6BG256C	LCMXO3LF-1300E-5UWG36CTR	LCMXO3LF-4300E-6MG256C
LCMXO3L-1300C-5BG256I	LCMXO3L-4300C-6BG256I	LCMXO3LF-1300E-5UWG36CTR1K	LCMXO3LF-4300E-6MG256I
LCMXO3L-1300C-6BG256C	LCMXO3L-4300C-6BG324C	LCMXO3LF-1300E-5UWG36CTR50	LCMXO3LF-4300E-6MG324C
LCMXO3L-1300C-6BG256I	LCMXO3L-4300C-6BG324I	LCMXO3LF-1300E-5UWG36ITR	LCMXO3LF-4300E-6MG324I
LCMXO3L-1300E-5MG121C	LCMXO3L-4300C-6BG400C	LCMXO3LF-1300E-5UWG36ITR1K	LCMXO3LF-640E-5MG121C
LCMXO3L-1300E-5MG121I	LCMXO3L-4300C-6BG400I	LCMXO3LF-1300E-5UWG36ITR50	LCMXO3LF-640E-5MG121I
LCMXO3L-1300E-5MG256C	LCMXO3L-4300E-5MG121C	LCMXO3LF-1300E-6MG121C	LCMXO3LF-640E-6MG121C
LCMXO3L-1300E-5MG256I	LCMXO3L-4300E-5MG121I	LCMXO3LF-1300E-6MG121I	LCMXO3LF-640E-6MG121I
LCMXO3L-1300E-5UWG36CTR	LCMXO3L-4300E-5MG256C	LCMXO3LF-1300E-6MG256C	LCMXO3LF-6900C-5BG256C
LCMXO3L-1300E-5UWG36CTR1K	LCMXO3L-4300E-5MG256I	LCMXO3LF-1300E-6MG256I	LCMXO3LF-6900C-5BG256I
LCMXO3L-1300E-5UWG36CTR50	LCMXO3L-4300E-5MG324C	LCMXO3LF-2100C-5BG256C	LCMXO3LF-6900C-5BG324C
LCMXO3L-1300E-5UWG36ITR	LCMXO3L-4300E-5MG324I	LCMXO3LF-2100C-5BG256I	LCMXO3LF-6900C-5BG324I
LCMXO3L-1300E-5UWG36ITR1K	LCMXO3L-4300E-5UWG81CTR	LCMXO3LF-2100C-5BG324C	LCMXO3LF-6900C-5BG324I
LCMXO3L-1300E-5UWG36ITR50	LCMXO3L-4300E-5UWG81CTR1K	LCMXO3LF-2100C-5BG324I	LCMXO3LF-6900C-5BG324I
LCMXO3L-1300E-6MG121C	LCMXO3L-4300E-5UWG81CTR50	LCMXO3LF-2100C-6BG256C	LCMXO3LF-6900C-5BG400C
LCMXO3L-1300E-6MG121I	LCMXO3L-4300E-5UWG81ITR	LCMXO3LF-2100C-6BG256I	LCMXO3LF-6900C-5BG400C
LCMXO3L-1300E-6MG256C	LCMXO3L-4300E-5UWG81ITR1K	LCMXO3LF-2100C-6BG324C	LCMXO3LF-6900C-5BG400I
LCMXO3L-1300E-6MG256I	LCMXO3L-4300E-5UWG81ITR50	LCMXO3LF-2100C-6BG324I	LCMXO3LF-6900C-5BG400I
LCMXO3L-1300E-6UWG36CTR	LCMXO3L-4300E-6MG121C	LCMXO3LF-2100E-5MG121C	LCMXO3LF-6900C-6BG256C
LCMXO3L-1300E-6UWG36CTR1K	LCMXO3L-4300E-6MG121I	LCMXO3LF-2100E-5MG121I	LCMXO3LF-6900C-6BG256I
LCMXO3L-1300E-6UWG36CTR50	LCMXO3L-4300E-6MG256C	LCMXO3LF-2100E-5MG256C	LCMXO3LF-6900C-6BG324C
LCMXO3L-1300E-6UWG36ITR	LCMXO3L-4300E-6MG256I	LCMXO3LF-2100E-5MG256I	LCMXO3LF-6900C-6BG324C
LCMXO3L-1300E-6UWG36ITR1K	LCMXO3L-4300E-6MG324C	LCMXO3LF-2100E-5MG324C	LCMXO3LF-6900C-6BG324I
LCMXO3L-1300E-6UWG36ITR50	LCMXO3L-4300E-6MG324I	LCMXO3LF-2100E-5MG324I	LCMXO3LF-6900C-6BG324I
LCMXO3L-2100C-5BG256C	LCMXO3L-4300E-6UWG81CTR	LCMXO3LF-2100E-5UWG49CTR	LCMXO3LF-6900C-6BG400C
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LCMXO3L-2100C-5BG324C	LCMXO3L-4300E-6UWG81CTR50	LCMXO3LF-2100E-5UWG49CTR50	LCMXO3LF-6900C-6BG400I
LCMXO3L-2100C-5BG324I	LCMXO3L-4300E-6UWG81ITR	LCMXO3LF-2100E-5UWG49ITR	LCMXO3LF-6900C-6BG400I
LCMXO3L-2100C-6BG256C	LCMXO3L-4300E-6UWG81ITR1K	LCMXO3LF-2100E-5UWG49ITR1K	LCMXO3LF-6900E-5MG256C
LCMXO3L-2100C-6BG256I	LCMXO3L-4300E-6UWG81ITR50	LCMXO3LF-2100E-5UWG49ITR50	LCMXO3LF-6900E-5MG256I
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LCMXO3L-2100E-5MG324C	LCMXO3L-6900C-5BG324C	LCMXO3LF-4300C-5BG256C	