



FEATURES AND BENEFITS

- Host controller bus isolation from the DRAM memory during NVDIMM “save” and “restore” operations between DRAM and non-volatile memory
- AC and DC parameters optimized for DDR4, enabling the highest possible memory channel performance for NVDIMMs even when intermixed with other DIMM types
- 12-bit bus switch/multiplexer to best match the eight DQ pins and four DQS pins from each DRAM
- Make-before-break circuit to prevent glitches during switching operations
- Simple CMOS select and enable pins (SELO, SEL1, EN)
- Available in a 3 x 8 mm 48-ball VFBGA package with 0.65 mm ball pitch that can replace data buffers on the DIMM for NVDIMM applications

APPLICATIONS

- DDR4 NVDIMM
- DDR3 NVDIMM

The 4MX0121V is a 12-bit bus switch/multiplexer designed for 2.5 V or 3.3 V supply voltage operation in DDR3 and DDR4 memory bus systems.

The device has a 1:2 switch or 2:1 multiplex topology. Each 12-bit wide A-port can be switched to one of two ports B and C, for all bits simultaneously. Each port is bidirectional for high-speed and high-bandwidth switch multiplexer applications. Port selection uses two simple input selection pins and all ports can be disconnected via an enable pin. The device is divided into two 6-bit bus switch/multiplexers for additional flexibility.

The 4MX0121V uses a high-speed switch architecture providing high bandwidth, low insertion loss, low return loss, and very low propagation delay, allowing use in many applications requiring switching or multiplexing of high-speed signals. It is available in a 3 x 8 mm 48-ball VFBGA package with 0.65 mm ball pitch for optimal size versus board layout density.

Discover what IDT know-how can do for you:
IDT.com/go/DDR4 | IDT.com/go/DDR3

DISCLAIMER Integrated Device Technology, Inc. (IDT) and its subsidiaries reserve the right to modify the products and/or specifications described herein at any time and at IDT's sole discretion. All information in this document, including descriptions of product features and performance, is subject to change without notice. Performance specifications and the operating parameters of the described products are determined in the independent state and are not guaranteed to perform the same way when installed in customer products. The information contained herein is provided without representation or warranty of any kind, whether express or implied, including, but not limited to, the suitability of IDT's products for any particular purpose, an implied warranty of merchantability, or non-infringement of the intellectual property rights of others. This document is presented only as a guide and does not convey any license under intellectual property rights of IDT or any third parties. IDT's products are not intended for use in life support systems or similar devices where the failure or malfunction of an IDT product can be reasonably expected to significantly affect the health or safety of users. Anyone using an IDT product in such a manner does so at their own risk, absent an express, written agreement by IDT.

Integrated Device Technology, IDT and the IDT logo are registered trademarks of IDT. Other trademarks and service marks used herein, including protected names, logos and designs, are the property of IDT or their respective third party owners. © Copyright 2015. All rights reserved.

PB_NVDIMM-MUX_REVA0315

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



Тел: +7 (812) 336 43 04 (многоканальный)

Email: org@lifeelectronics.ru