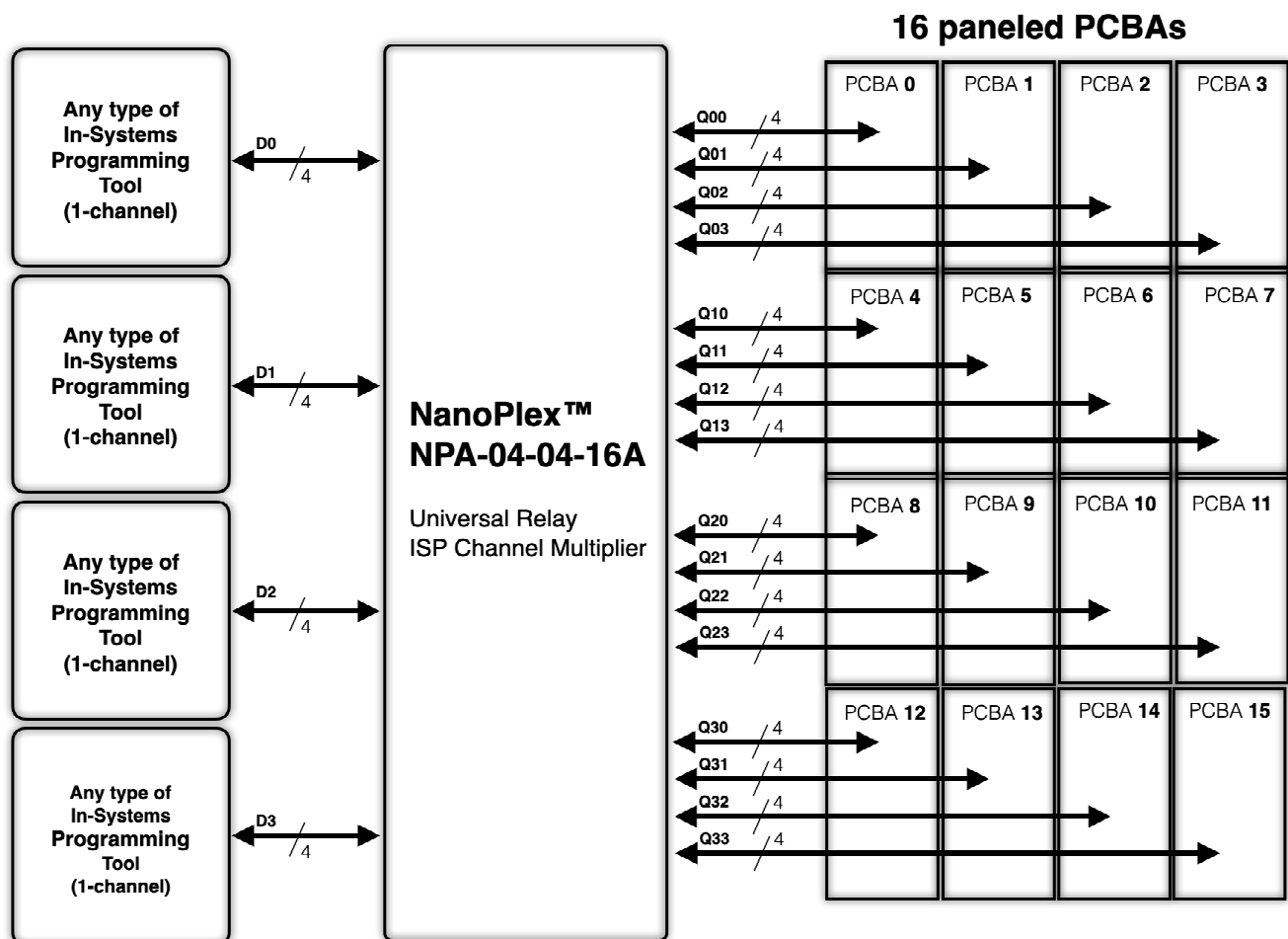


General description

NanoPlex NPA-04-16-04A Universal Relay ISP-Channel Multiplier allows you to multiply four Channels of your ISP-Programmer to 16-Channel with a galvanic isolation. The number of signals of any relays-switched-Channel is four. A dedicated GND is also provided for any single multiplied Channel. You can address one of the four Channels by using ISO-A1, ISO-A0 opto-isolated input control signals. Opto-isolated ISO-ENA is also present and allows you to disconnect all relays-switched Channels from you target PCBA.

Typical application diagram



Typical application

- PCBAs Production Lines.
- ATE-controlled ISP Programming.
- Hi-number of paneled PCBAs requiring ISP-Programming.

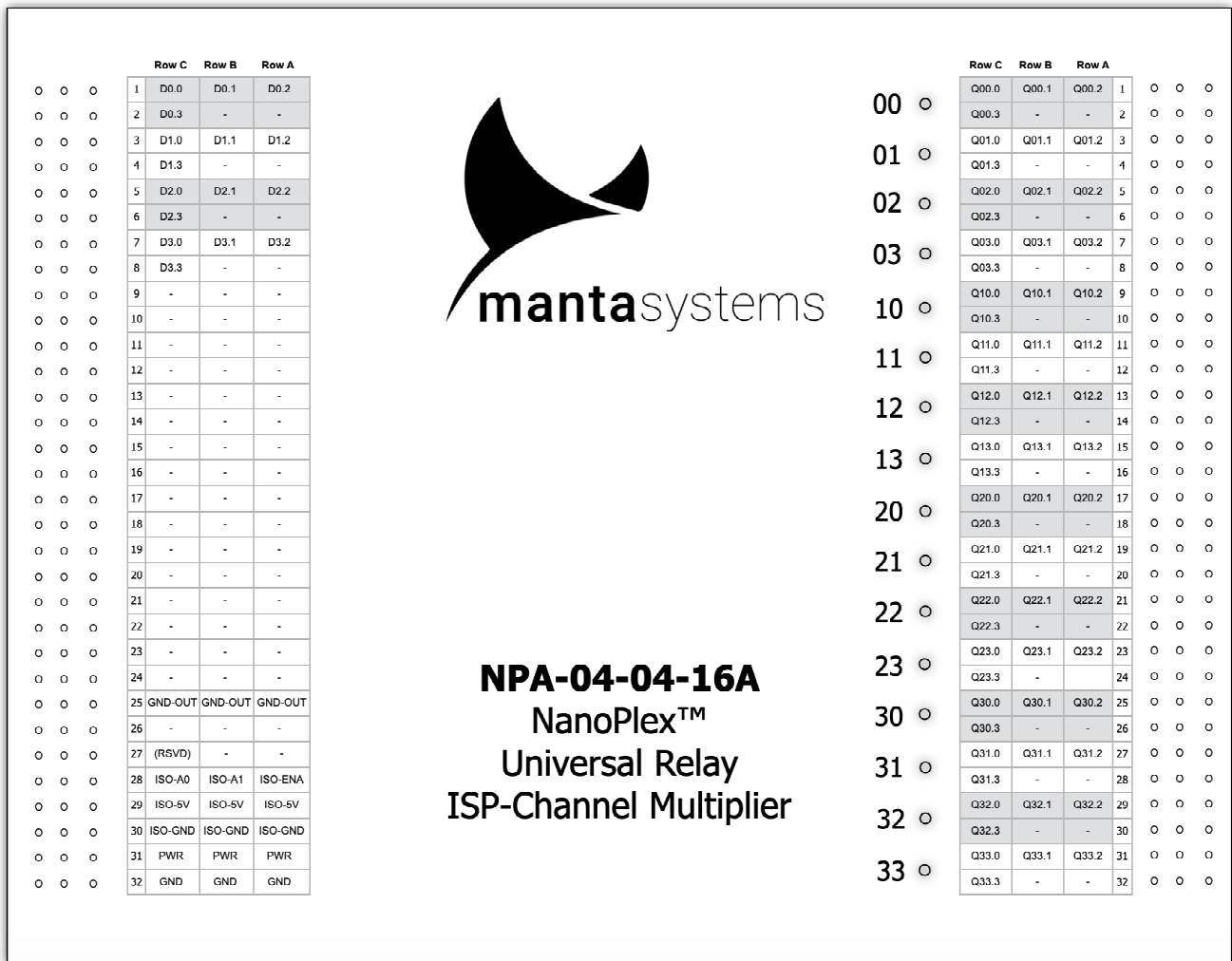
General characteristics

- Part of Manta Systems' acclaimed NanoPlex™ Series of Universal Relay ISP-Channel Multipliers.
- Ultra-small size, only 95x121mm.
- Designed for piggyback mounting, takes easily place in Test Fixtures.
- NanoPlex is universal and compatible with all types of ISP-Programming tools.

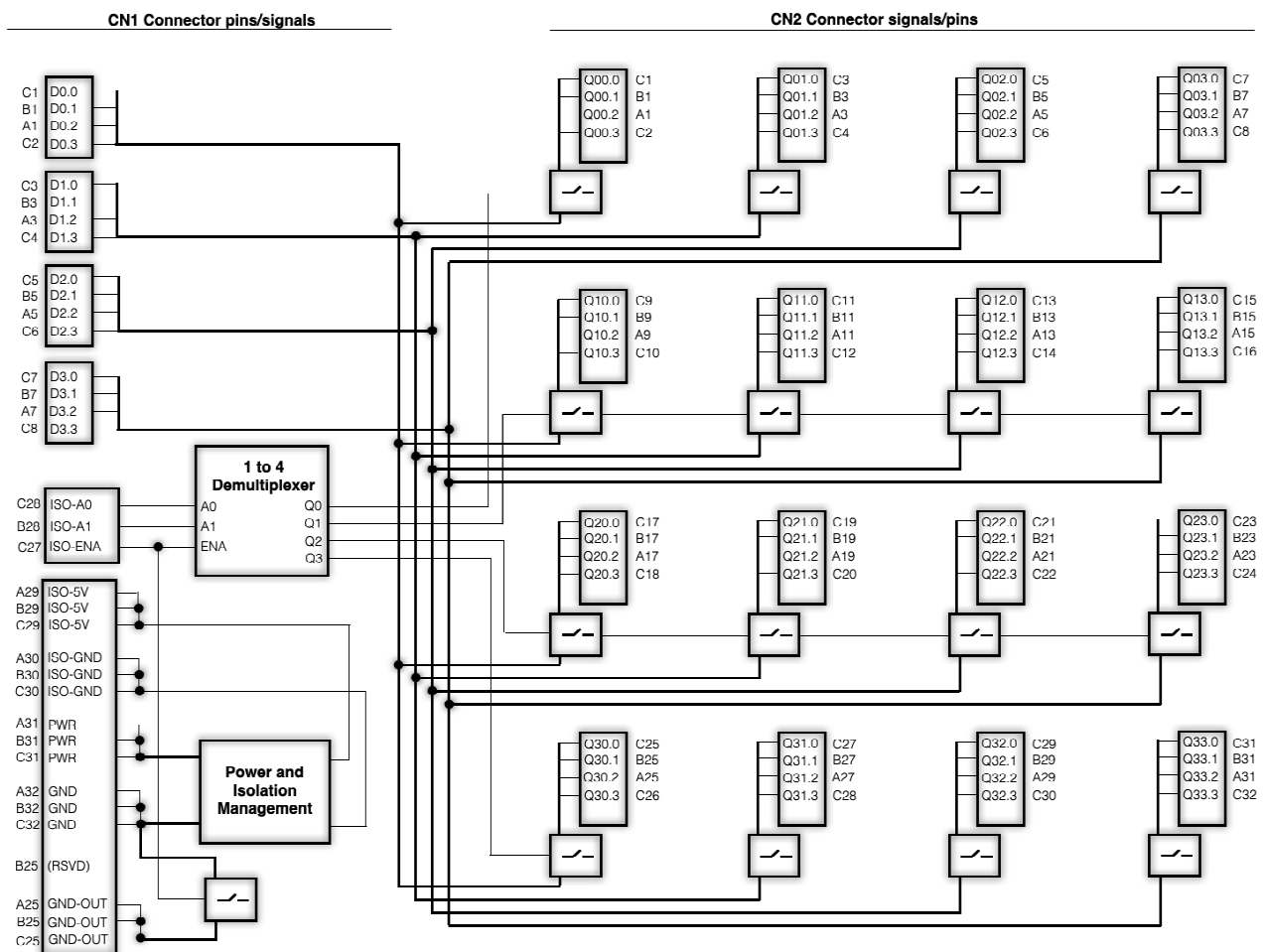
Benefits

- Very simple implementation of ISP programming to panels of PCBAs.
- Multiply the number of ISP-Programmer Channels for device programming.
- Provides galvanic isolation of ISP programmer to target boards.
- Ready to use Relays Multipliers save days/weeks of your workmanship when creating home-made systems.
- Higher reliability, no need to wait long substitution time in case of system fault.

Layout



Block Diagram

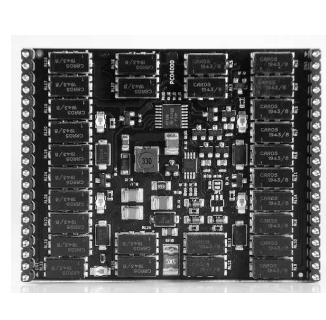
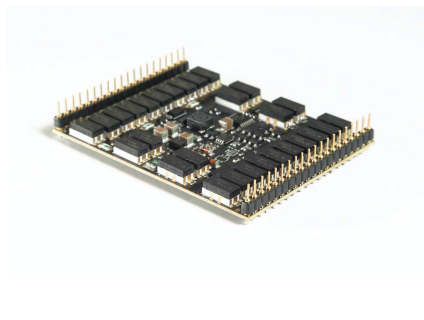
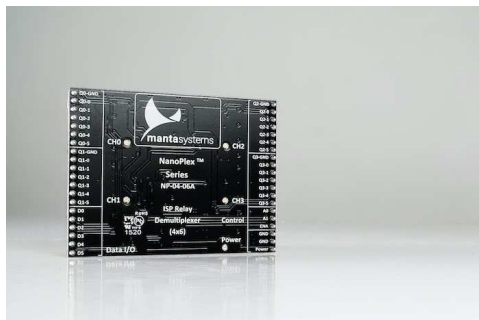


Orders

All NanoPlex Series products are generally off-the-shelf.
Shipping within 24 hours from order reception.
Free shipping & 30-day money back guarantee.

About Manta Systems

Manta Systems is the global leader in hi-density signal switching for In-System Programming and Testing Systems. Manta Systems mostly awarded line of products is NanoPlex™ Series of Universal Relay ISP-Channel Multipliers. NanoPlex is used on manufacturing lines of electronics boards, where a high number of ISP channels is required.



Important

Manta Systems is the owner of Nanoplex™ tradename. Manta Systems reserves the right to make improvements to Nanoplex™ Series and its documentation without notice. Information in this document is intended to be accurate and reliable. However, Manta Systems assumes no responsibility for its use; nor for any infringements of rights of third parties which may result from its use. MANTA SYSTEMS WILL NOT BE LIABLE FOR DAMAGES RESULTING FROM LOSS OF DATA, PROFITS, USE OF PRODUCTS, OR INCIDENTAL OR CONSEQUENTIAL DAMAGES, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.

**For more information, please visit: www.mantasys.com
or write us at: info@mantasys.com**

