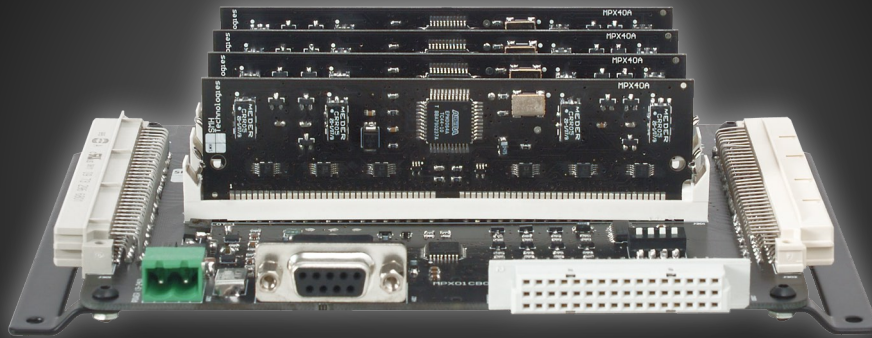
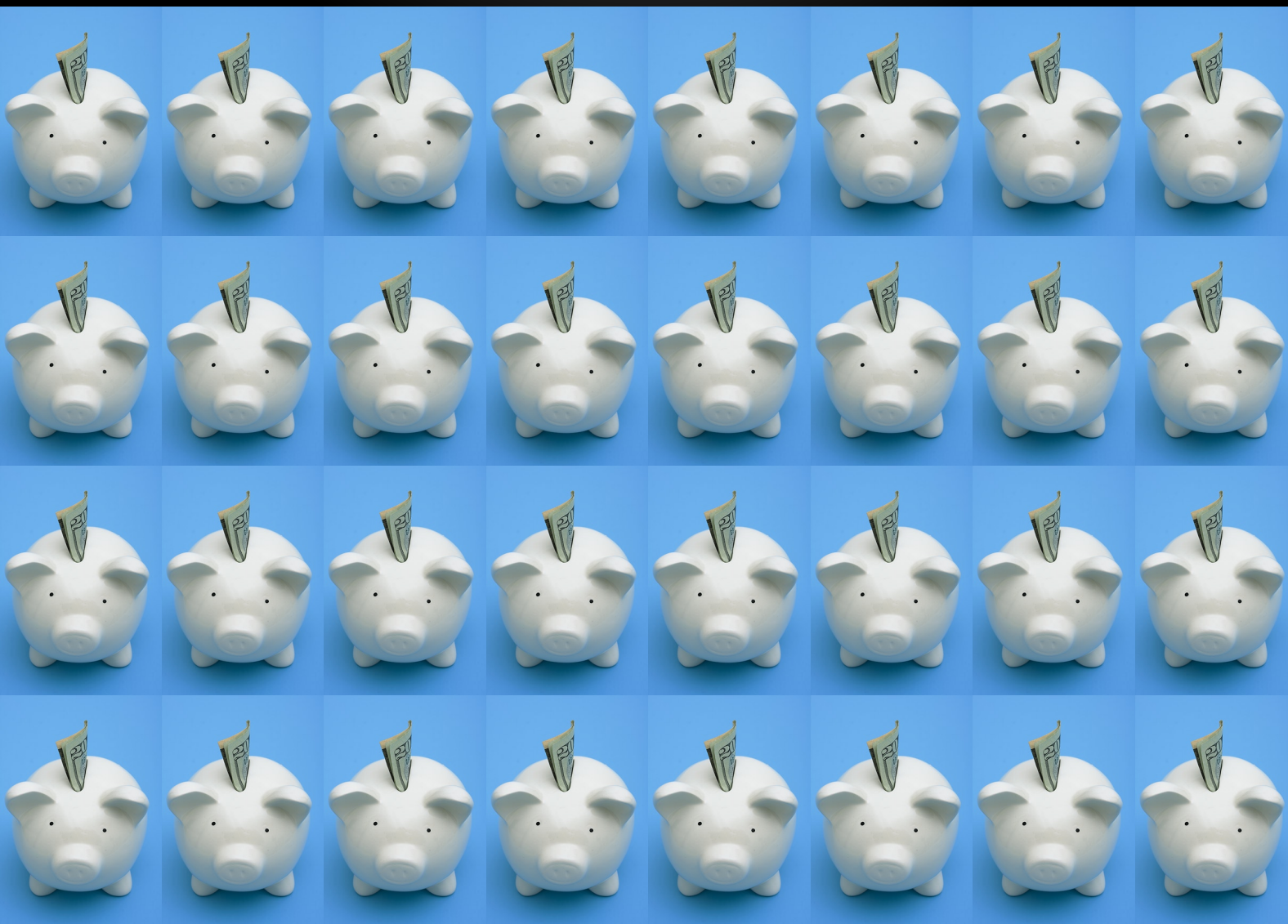


# Multiply the Advantages.



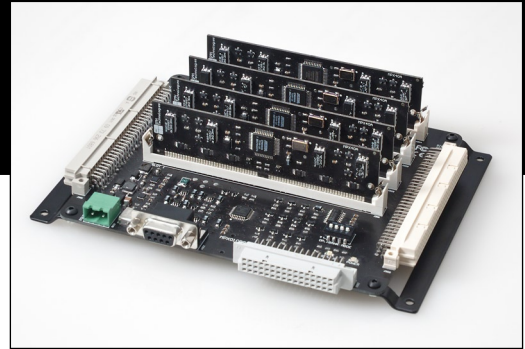
**MicroPlexer**  
Up to 32 Site ISP Signal Switching

# And Save Money, Too.



# MicroPlexer

## Up to 32 Site ISP Signal Switching



- Allows one or two In-System Programmers to support multiple targets
- Easy integration with all ATE systems
- Saves time on manufacturing system set-up
- Minimizes wiring efforts
- Single- and dual-mode operations
- Extremely compact

MicroPlexer is a signal multiplexer for device in-system programming/testing. It allows the ISP connection coming from a programmer/tester to be switched to one of the available output channels. In this way, a single programmer/tester can easily handle multiple device programming, whether on a single board or distributed across multiple boards in a panel assembly.

MicroPlexer features state-of-the-art electronics to provide you with high integration flexibility in a compact footprint—ideal for integration inside a fixture. It has a convenient single, wide-range power supply input and three working modes (see figures) with up to 32 output ISP channels.

Depending on the working mode, each of the ISP channels is composed of:

- Either six or three digital, bidirectional lines;
- Either two or one analog/digital lines;
- Either two or one power lines;
- One ground line (common for all channels).

MicroPlexer is controlled via either ASCII-based commands (through its RS-232 channel) or via control lines. ASCII commands allow for selecting the output channel or to disconnect all of the output channels.

### Technical Specifications

- Power supply: 9-24V DC
- Dimensions: 180 x 135 x 40 mm
- Driven through parallel control lines or RS-232 ASCII commands

#### 10 lines per ISP channel (single-mode operation):

- 6 Analog Lines 0-5V DC, CMOS Switching
- 2 Analog Lines 0-15V DC, CMOS Switching
- 2 Analog Lines 0-42V DC, Reed Relay Switching

#### 5 lines per ISP channel (single- and dual-mode operations):

- 3 Analog Lines 0-5V DC, CMOS Switching
- 1 Analog Lines 0-15V DC, CMOS Switching
- 1 Analog Lines 0-42V DC, Reed Relay Switching



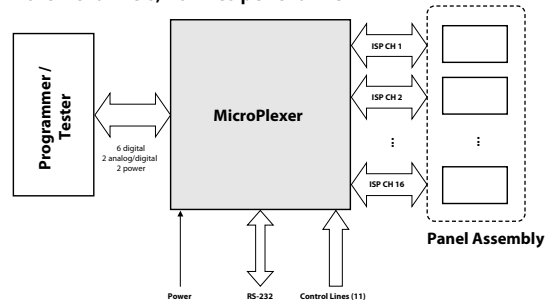
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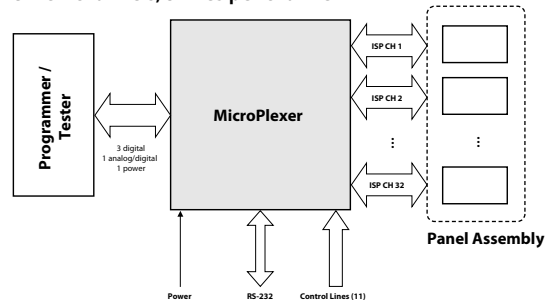
### Single-Mode Operation

16 ISP channels, 10 lines per channel



### Single-Mode Operation

32 ISP channels, 5 lines per channel



### Dual-Mode Operation

2 x 16 ISP channels, 5 lines per channel

