

# MICRONIX Motion Driver | MMD-1x1

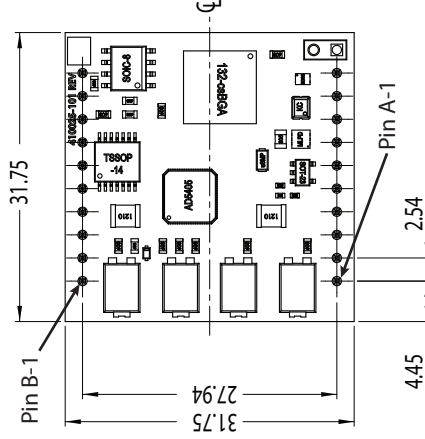
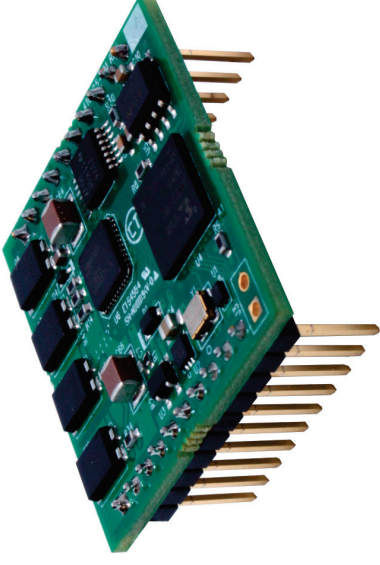
The MMD-1x1 is a plug-in multi-phase piezo driver module for OEM applications. It is available with a 24-48 V supply voltage range, and is open-loop only. Speeds up to 2 mm/s are achievable. The MMD-1x1 is controlled through industry standard pulse and direction input signals.

## KEY FEATURES

- Ultra-compact, multi-phase piezo driver (1.25" x 1.25")
- Plug-in design suitable for easy integration into customer board
- Supply voltage range 24-48 V (factory configured)
- Speeds up to 2 mm/s
- Open-loop resolution of less than 1 nm
- Industry standard pulse and direction input signals

## TECHNICAL DATA

Axes	1
Motor type	Piezo Motor, PM-002
Interface	Pulse/Direction
Supply voltage	24-48 V
Speed, max	2 mm/s
Resolution	1 nm (open loop)
Dimensions	1.25" x 1.25"



Pin #	Function	I/O Spec
A-1	GND	
A-2	GND	
A-3	24-48V 0.5A	
A-4	+3.3V 1A	
A-5	Pulse	(LVTTL)
A-6	Dir	(LVTTL)
A-7	Reserved	
A-8	Reserved	
A-9	Reserved	
A-10	Reserved	

Specifications are subject to change without notice.

ORDERING INFORMATION		MMD-1x1-010
AXES	1 Axis	01
SUPPLY VOLTAGE	24 V	24
	48 V	48

