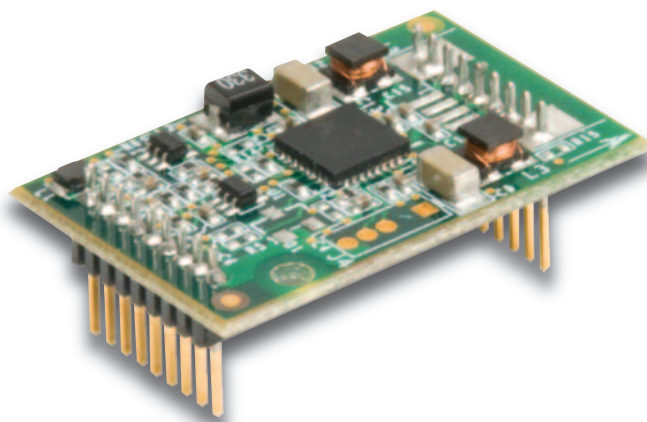


# ASIC-1E-BD-00 Driver

## Application Recommendations

- Auto Focus/Zoom Modules
- Shutter & Aperture Control
- Filter Changers
- Pan and Tilt Modules



### ORDERING INFORMATION

Part Number: ASIC-E1-BD-00

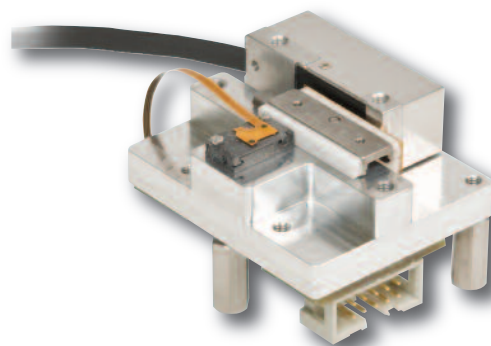
### RELATED PRODUCTS/ ACCESSORIES

Part Number: EM1-S-0  
EM1-V-0  
EDGE Motor

## Product Description

ASIC-1E-BD-XX is a driver designated to drive single EDGE motor, as a driver only. Open loop operation can be controlled via an IIC interface and the use of limit switches. The board can also be incorporated onto an interface board that will support a  $\pm 10$  analog input to the drive, from an external closed loop control system.

Modified versions of the ASIC-E1-BD-00 board have been configured to drive dual Edge motors in parallel or two discrete axes. Please contact Nanomotion for further details.

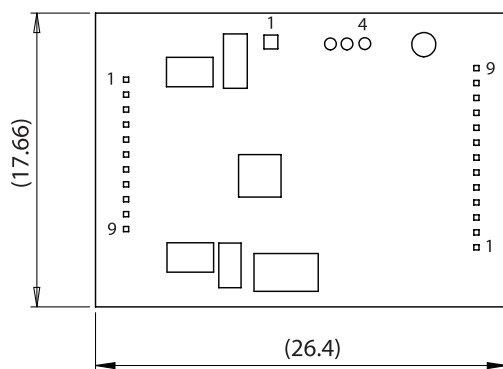
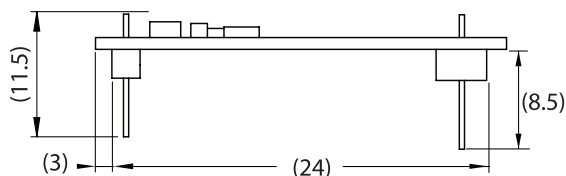


Example of ASIC-1E-BD-XX

## MECHANICAL DRAWINGS AND INTERFACE

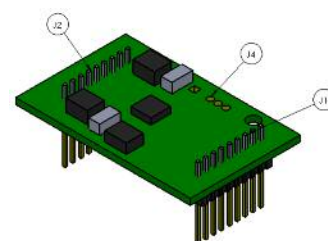
### TECHNICAL SPECIFICATIONS

Dimensions: Dimensions:  
 28.4 x 17.9 x 11.5 mm  
 Motors supported :  
 EDGE Drive Mode AB5 (brake  
 on/off) or AB1A mode  
 Input Power: 4.2 V  
 Power Consumption:  
 500 mW (max)  
 Communication:  
 IIC / Analog  
 Operating Temperature:  
 0 °C to 50 °C



## ELECTRICAL INTERFACE

pin type	J1 9pin 50mil str tms series	J2 9pin 50mil str tms series	J4
1	Vcc	Code	Vi N
2	SDATA	Code	-
3	SCLK	Code	BKgd
4	Faul t	Com	Reset
5	+Vi n	Com	-
6	- Vi n	PR	-
7	UHR	PL	-
8	Enabl e	-	-
9	GND	-	-



### Nanomotion Ltd. Worldwide Headquarters

Mordot HaCarmel Industrial Park  
 Yokneam 20692 Israel  
 t: +972 73 2498000  
 f: +972 73 2498099  
 e: nano@nanomotion.com

### Nanomotion Inc. U.S. Headquarters

1 Comac Loop, Suite 14B2  
 Ronkonkoma, New York 11779  
 t: (800) 821-6266  
 f: (631) 585-3000  
 f: (631) 585-1947  
 e: nanoUS@nanomotion.com