Application Recommendations

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

Product Description

Nanomotion’s ASIC controller/driver component can support the Edge motor and Edge based modules working in either the traditional AB1A mode or in AB5 mode (linear voltage to velocity profile). The AB1A mode supports up to two motors in parallel, doubling the force output.

The ASIC component can be provided for integration in customer electronics and supports open loop operation, as a driver only or closed loop operation based on Nanomotion’s proprietary analog position sensor.

The ASIC driver board is configured for open loop, driver operation only.
**TECHNICAL SPECIFICATIONS**

**Mechanical**
Package: 32-pin QFN, 5mm x 5mm height 1.2mm

**Functional**: Controller/Driver, or driver only
Motors supported: up to 2 EDGE motors
Drive mode: AB5, AB1
IIC interface at max 100 KHz
3 OPAMP inputs
2 A/D inputs

**ELECTRICAL**
Supply voltage:
2.7V to 4.2V
25ua leakage current at sleep mode (at 3.7V)

**ENVIRONMENTAL**
Operating Temperature:
-40°C – 85°C