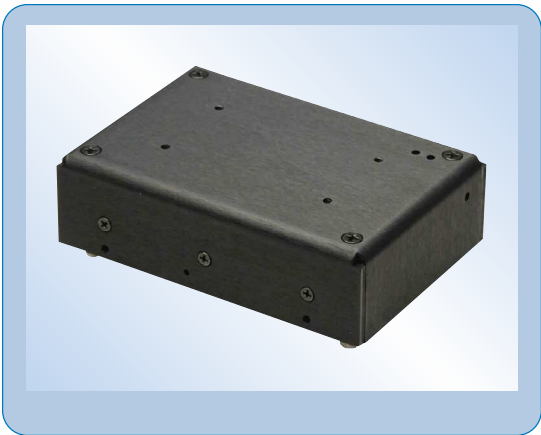


PCB-Mountable Single-Axis Picomotor™ Driver



Control Methods

- TTL
- Quadrature
- Linear Voltage
- Bang-Bang Modes

Indicator LEDs

- Green - Pulse Indicator
- Red - Over Temp Indicator

Compliance

- CE
- ROHS

The New Focus 8712 Picomotor™ Driver is designed to be integrated into OEM equipment by mounting directly onto your printed-circuit board. It can drive a single Picomotor axis at a time. If appropriately multiplexed it can be used switch between Picomotors that have been embedded into your system. For assistance and advise on integrating our OEM Driver please contact your local Newport representative.

It is the successor to our popular 8702 Driver is a drop in replacement with the same footprint and connectors. If you have previously been using the 8702 then the 8712 can be used in the same position. The height of the driver has been reduced and the RoHS version is now standard.

The New Focus 8703 Single-axis Picomotor™ Driver Module is for those of you who've asked us for a Picomotor™ driver that interfaces through TTL or analog signals. This redesigned driver module is based upon our Model 8712 OEM driver module, but now comes on its own interface board and with connectors so you can easily interface with it and build it into your device, instrument, or laboratory setup. The Model 8703 driver module requires an external power supply, and is not compatible with the iPico driver and its accessories.



PCB-Mountable Single-Axis Picomotor™ Driver

Specifications

	8712	8703
Number of Channels	1	1
Maximum Pulse Rate	2 kHz (25 °C, continuous operation)	2 kHz (25 °C, continuous operation)
Input Voltage	10 to 16 V (12 V nominal)	10-12
Interface	Pins for PCB Mounting	Input: 9-Pin Phoenix MSTBA Output: RJ-11 Phoenix 3-Position Terminal Block
Power Consumption	Å7.5 W @ 1-kHz Sustained Speed	Å7.5 W @ 1-kHz Sustained Speed
Size	3.75 x 2.53x 1.09 (95.5 x 64.3 x 27.7)	4.62 x 4.09 x 1.63 (117.3 x 104 x 41.4)
Operating Temperature	0 °C to 65 °C	0 °C to 65 °C
Storage Temperature	-40 °C to 95 °C	-40 °C to 95 °C
Weight (kg)	0.163	0.163



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Newport Corporation, Irvine, California and Franklin, Massachusetts; Evry and Beaune-La-Rolande, France and Wuxi, China have all been certified compliant with ISO 9001 by the British Standards Institution. Santa Clara, California is DNV certified.

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