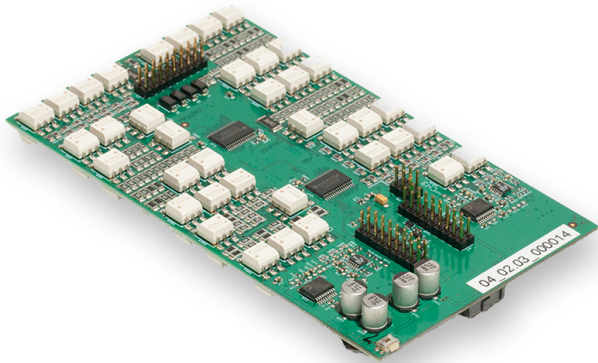


Expansion Board Digital Multichannel Pot.



- ▶ 4 independent, galvanically isolated, AC-capable channels
- ▶ Wide range of resistance: 50 Ohm to 500 kOhm
- ▶ High accuracy and 19 Bit Resolution
- ▶ Overcurrent protection
- ▶ Non-mechanical solid-state switches

The **Digital Multichannel Potentiometer Expansion Board** extends the functionality of the **µLC Test System** by seamless integration into an existing device. It offers four independently configurable, galvanically isolated digital potentiometers with a wide range of resistance and excellent accuracy. All four channels feature individual protection by an automatic overcurrent shutdown with automatic retry.

Application

Emulating Sensor Data

Designed to work for example with the sensor interface L9966 (FlexI)

Technical Specifications

Maximum voltage on any input referred to µLC-GND -24 to 24 V

Electrical Characteristics

Parameter	Value	Unit
Minimum Resistance	50	Ohm

Parameter	Value	Unit
Maximum Resistance	500	kOhm
Step Size	1	Ohm
Resolution	19	Bit

Accuracy

Parameter	Value
Entire Range	±0.5 Ohm ±1 %

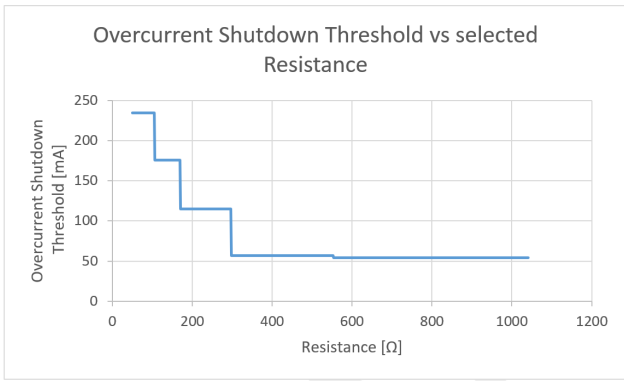
Legal Restrictions

Generally blocked are direct and indirect business involving high risk destinations, including Russia, Belarus, Cuba, Iran, North Korea, Syria, Libya, Afghanistan, and certain non-governmental controlled Ukrainian regions. This list may change as geopolitics evolve.

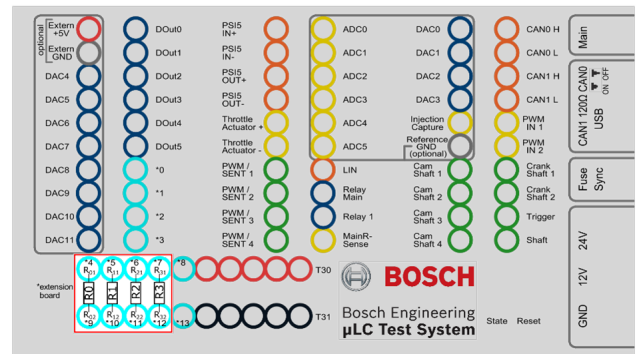
Ordering Information

Expansion Board Digital Multichannel Pot.
Order number **F02U.V03.129-01**

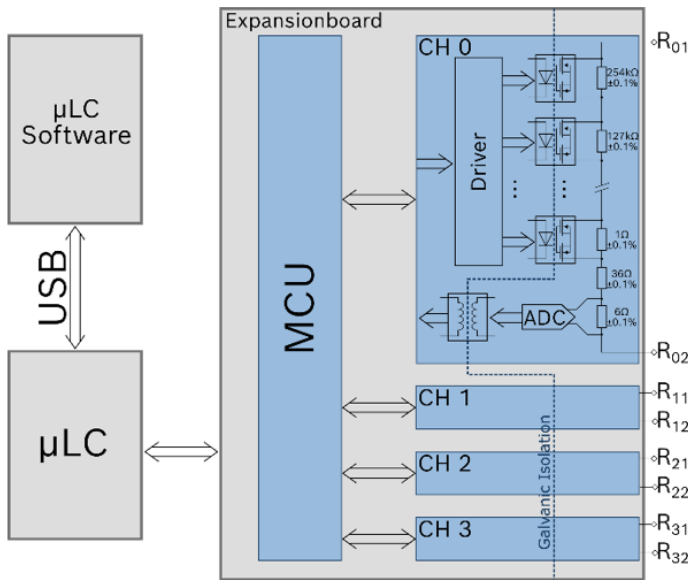
Dimensions



Pinout



Block diagram:



Represented by:

Europe:
 Bosch Engineering GmbH
 Motorsport
 Robert-Bosch-Allee 1
 74232 Abstatt
 Germany
 motorsport@bosch.com
 www.bosch-motorsport.de

North America:
 Bosch Engineering North America
 Motorsport
 38000 Hills Tech Drive
 Farmington Hills, MI 48331-3417
 United States of America
 motorsport@bosch.com
 www.bosch-motorsport.com

Asia-Pacific:
 Bosch Engineering Japan K.K.
 Motorsports Department
 1-9-32 Nakagawachuo, Tsuzuki-ku
 Yokohama-shi
 Kanagawa, 224-8601
 Japan
 motorsport@jp.bosch.com
 www.bosch-motorsport.jp

Australia, New Zealand and South Africa:
 Robert Bosch Pty. Ltd
 Motorsport
 1555 Centre Road
 Clayton, Victoria, 3168
 Australia
 motor.sport@au.bosch.com
 www.bosch-motorsport.com.au