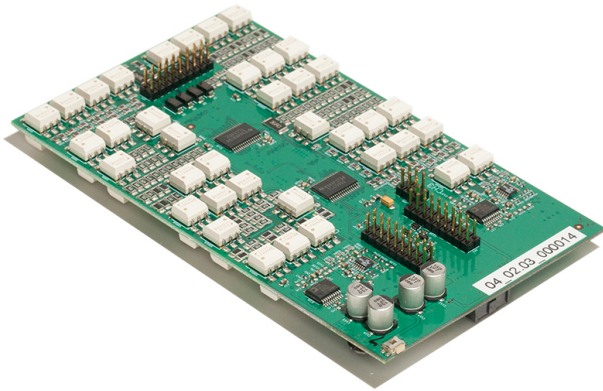


# Expansion Board Digital Multichannel Potentiometer



- ▶ 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
Maximum Resistance	500	kOhm
Step Size	1	Ohm
Resolution	19	Bit

## Accuracy

Parameter	Value
Entire Range	±0.5 Ohm ±1 %

## Legal Restrictions

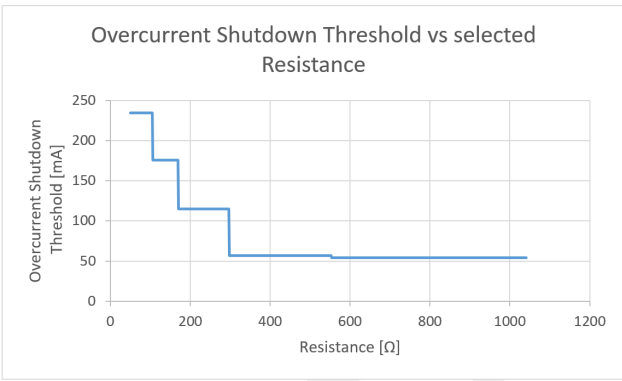
The sale of this product in Mexico is prohibited. Due to embargo restrictions, sale of this product in Russia, Belarus, Iran, Syria, and North Korea is prohibited.

## Ordering Information

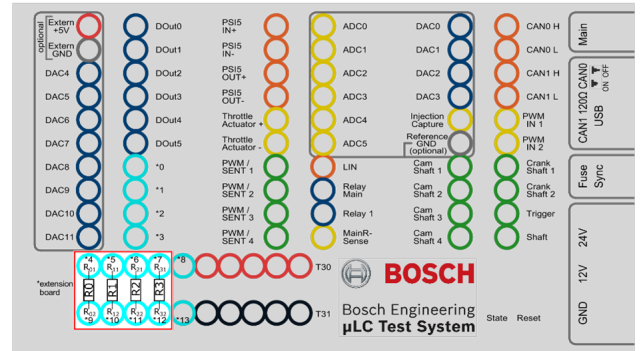
**Expansion Board Digital Multichannel Potentiometer**

Order number **F02U.V03.129-01**

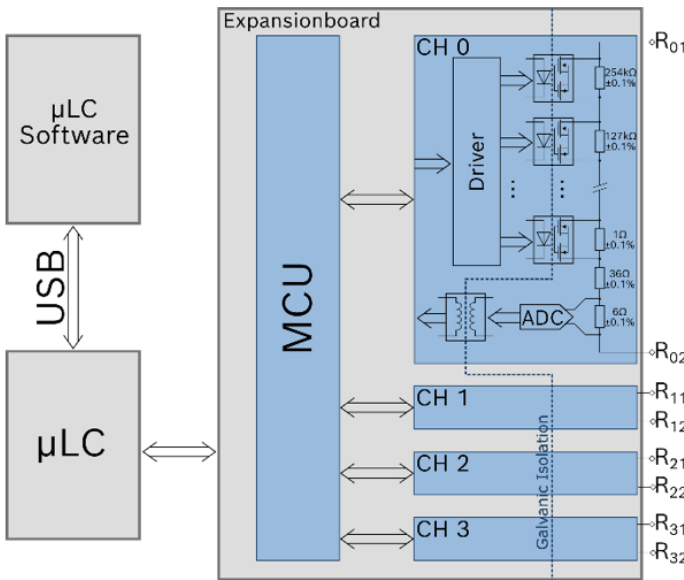
Dimensions



Pinout



Block diagram:



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