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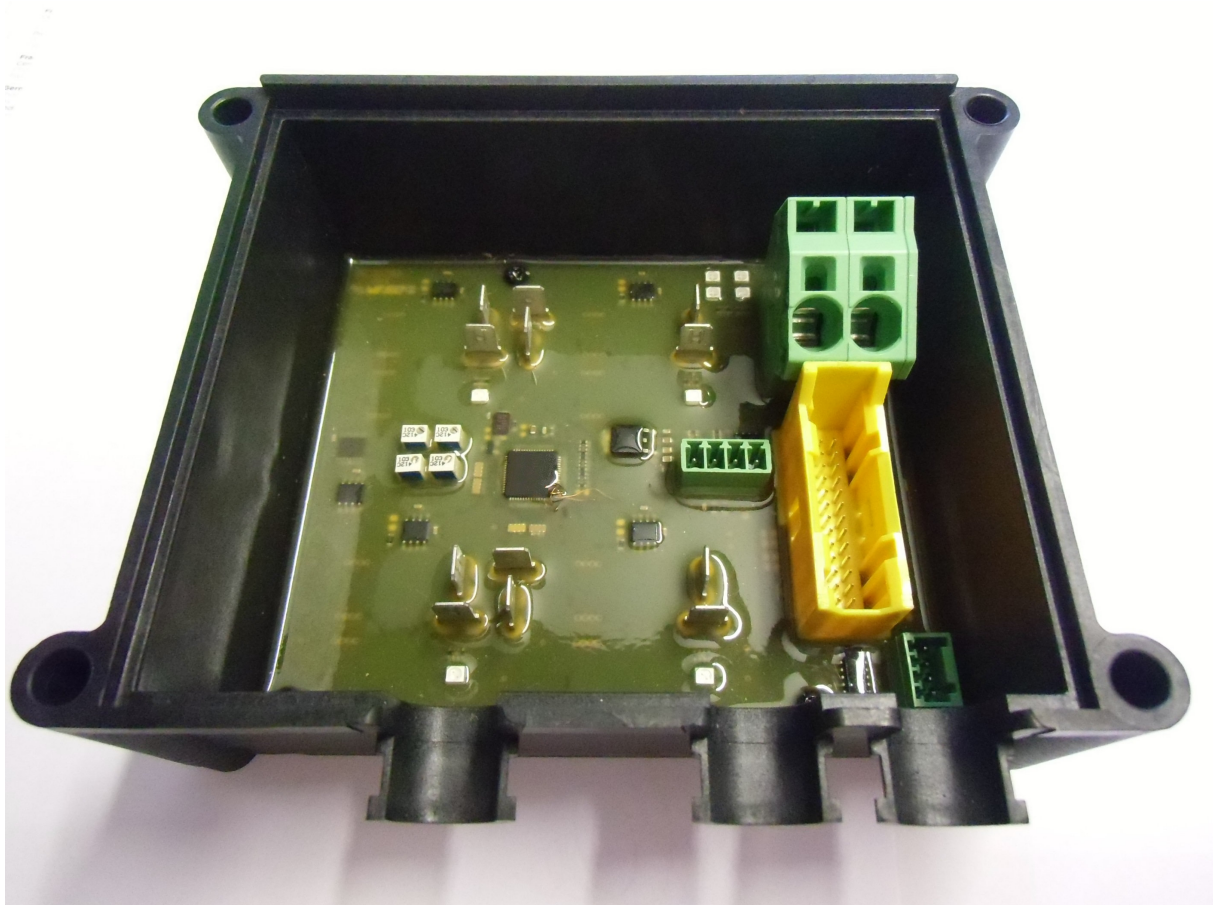
MICROELEKTRONIK & MEßTECHNIK

MEINE - GERMANY

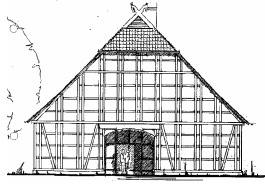
ABBESBÜTTELER STR. 6
38527 MEINE
PHONE +49-(0)5304-931285
WEB WWW.ID-MICRO.DE

CCP3

4-channel H-Brigde motorcontrol box



- Microprocessor 16bit with CAN communication
- High load current max. 50A
- Current measurement max. 50A
- Compatible with CCP2
- Optional temperature measurement



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Technical data:

Power supply	<ul style="list-style-type: none"> • 10..16 Volt (optional 24V) • Current consumption ca. 100mA @ 13.8V without any loads • Reverse battery protection • Transient protection
Microprocessor	<ul style="list-style-type: none"> • Infineon SAK-XE162FL-20F80L, 16bit, 80 MHz
Memory Flash (program) RAM (data) EEPROM	<ul style="list-style-type: none"> • 160kByte Flash memory (processor internal) • 12kByte (processor internal) • EEPROM 64kByte
Communication	<ul style="list-style-type: none"> • 1 * RS232 • 1 * CAN (physical layer 82C251, max. 1 Mbit/s)
Ext. supply output	<ul style="list-style-type: none"> • Supply switch 1A • Optional programable sensor supply 0...10V/50mA
Input channels	Each with overvoltage protection, low-pass filter and voltage divider <ul style="list-style-type: none"> • 4 Digital Inputs 0...10V • 8 (12) Analog Inputs 0...10V, 12bit
Output channels	<ul style="list-style-type: none"> • 4 H-Bridges with protected Infineon MOSFets <ul style="list-style-type: none"> • Each high-side FET (5,3mOhm typ.), 50A load current • Each low-side FET (4,7mOhm typ.), 50A load current • Current limitation typ. 77A (55A...98A) • Overtemperature shut-down • Current measurement +/- 50A • Optical H-Bridge feedback with LEDs • Total current load 76A
Features Software-update Software Miscellaneous	<ul style="list-style-type: none"> • Software-update possible via PC RS232-connection • Timeout programable (default 10s) • Overcurrent switch-off adjustable (without CAN usage) or programable (with CAN usage) • Optional PWM for smooth motor acceleration/deceleration • Optional onboard temperature measurement for each H-Bridge (accuracy +/- 1°C) • Optional GND terminals (for simple high-side switch usage)
Housing	<ul style="list-style-type: none"> • Plastic (PC) case with clear cover • 148 * 120 * 52 mm³ • Sealed in polyurethane resin for improved humidity and vibration protection.
Weight	350 g
Connectors	<ul style="list-style-type: none"> • Power supply: Phoenix SPTA 16/2 (2pol) for 10mm² wiring • CAN: Phoenix MCV1,5/4 (4 pol.) • RS232 : Phoenix MCV0.5-4 (4 pol.) • Inputs: TYCO/AMP MODU2 (26 pol.) • Outputs : Standard 6,3mm contact pins

Date 25.11.2015