

# BB-301S

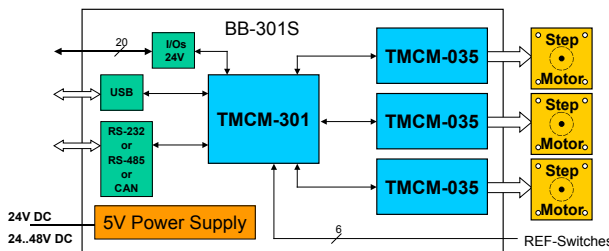
**Baseboard  
for one TCMC-301  
and up to 3 TCMC-035  
with 24V I/Os**

**INFO** The BB-301S baseboard is designed for the TCMC-301 or TCMC-341 stepper controller to operate with up to three TCMC-035 power drivers in a 24V industrial environment. It provides a small and cost effective solution for a motion control application for up to three size 57 mm stepper motors.

All motor, switch, I/O and power lines are accessible via screw terminals. For each I/O there is a control LED. The integrated switch-mode regulator provides the required 5V supply voltage for the modules. The supply voltage input is protected against wrong polarity. The integrated level shifter enables direct connection to a PC, PLC or host controller via different interfaces. Several options are available.

**MAIN CHARACTERISTICS**

- ELECTRICAL DATA**
  - 15V to 50V DC supply voltage
  - separate +24V supply for I/Os
- INTERFACE**
  - all options of the TCMC-301 are supported
  - 6 x limit switch (two per axis) (24V)
  - 8 general purpose digital/analog in (24V), 8 general purpose digital out (24V, 1A, PNP transistor type output)
  - 2 DAC outputs optional
- FEATURES**
  - 1 slot for the TCMC-301/TCMC-341 motion control module
  - 3 slots for TCMC-035 power drivers
  - control LED for each input and output
  - 16 microstep motor driver resolution
  - integrated 5V power supply
  - protection: overvoltage suppressor and inverse polarity
- OTHER**
  - screw terminal connectors for I/O signals
  - RoHS compliant
  - size: 133 x 100 mm<sup>2</sup>, 60 mm height



ORDER CODE	DESCRIPTION
<b>BB-301S (-option)</b>	Baseboard for TCMC-301/TCMC-341 + 3x TCMC-035
<b>OPTIONS</b>	
<b>232</b>	RS-232 interface
<b>485</b>	RS-485 interface
<b>USB</b>	USB interface (on request)
<b>LAN</b>	LAN/Ethernet interface (on request)
<b>2ND OPTION</b>	<b>(ADDITIONAL)</b>
<b>+A</b>	Analog-Outputs (on request)
<b>+E</b>	Encoder-Feedback with TCMC-323 (on request)