

SMCP33 - EVA

evaluation board for SMCP33 stepper motor controller



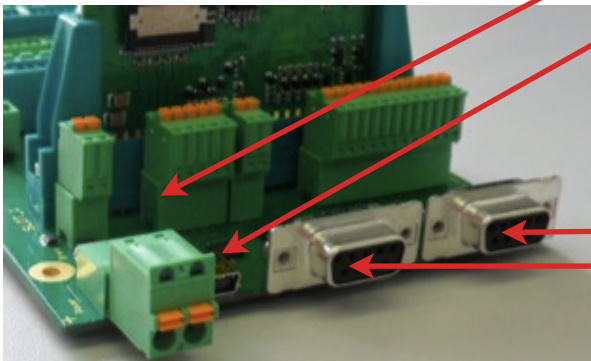
How to use & what parts you additionally need

With the SMCP33-EVA you can easily use 1-4 SMCP33 stepper motor controller and all of their functions.

Each SMCP33 has 8 digital 5V - inputs, 2 analog inputs, 8 outputs, 1 break-output for a security break, you can find a connector for each of it on the SMCP33-EVA.

Also you can find 2 x RS485 connectors (1 in and 1 out for connecting up to 4 SMCP33-EVA boards together in an RS485-network) and 1 USB-mini connector), a 12-48V power input and break resistor.

What is where ?



POWER SUPPLY CONNECTOR (12-48V)

Mini USB - CONNECTOR driver download:

http://de.nanotec.com/dc_765_download_driver.html

Driver for RS485-USB Konverter

RS 485-2 (OUT) - to connect on RS485-1 of the next SMCP33-EVA- board

RS 485-1 (IN) - for PC connection w. converters

ZK-RS485-RS2323 or ZK-RS485-USB (for further information see our [website](#))



BREAKING RESISTOR (burns the energy which is coming back from the motors while they're braking)

 Nanotec Electronic GmbH & Co KG
 Gewerbestr. 11 D- 85652 Landsham
 Tel ++49 (0) 89 900 686 - 48
 Fax ++49 (0) 89 900 686 -50
info@nanotec.de

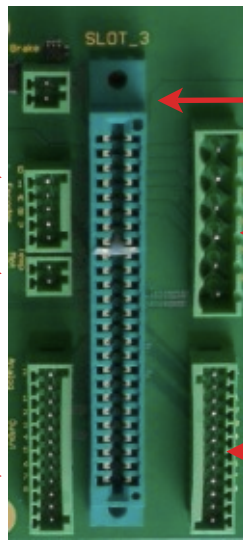


OUTPUT FOR SECURITY BREAK
(optional)

CONNECTOR FOR 5V TTL
OPTICAL ENCODER

INPUT FOR TEMPERATURE
SENSOR (optional)

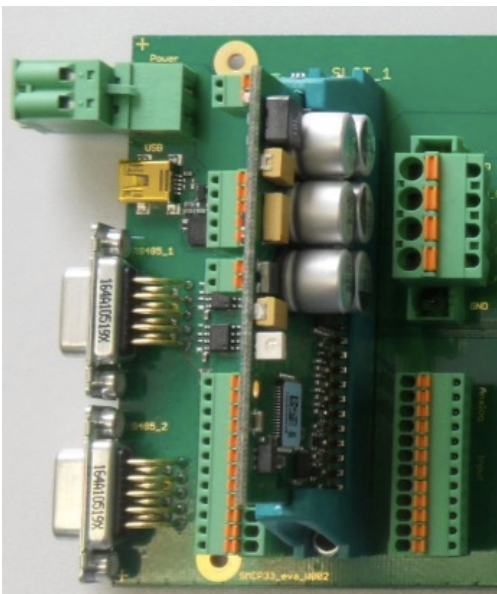
8 OUTPUTS + GND + ANALOG
INPUT



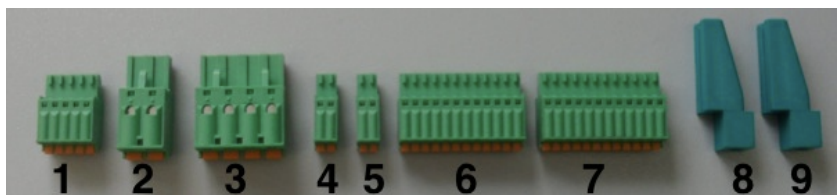
SLOT FOR SMCP33

CONNECTOR FOR
STEPPER MOTOR + GND

8 INPUTS + GND + ANALOG
INPUT

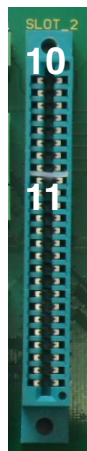


Fully assembled unit with connectors and SMCP33 and



cardholder

Nanotec articlenumbers:

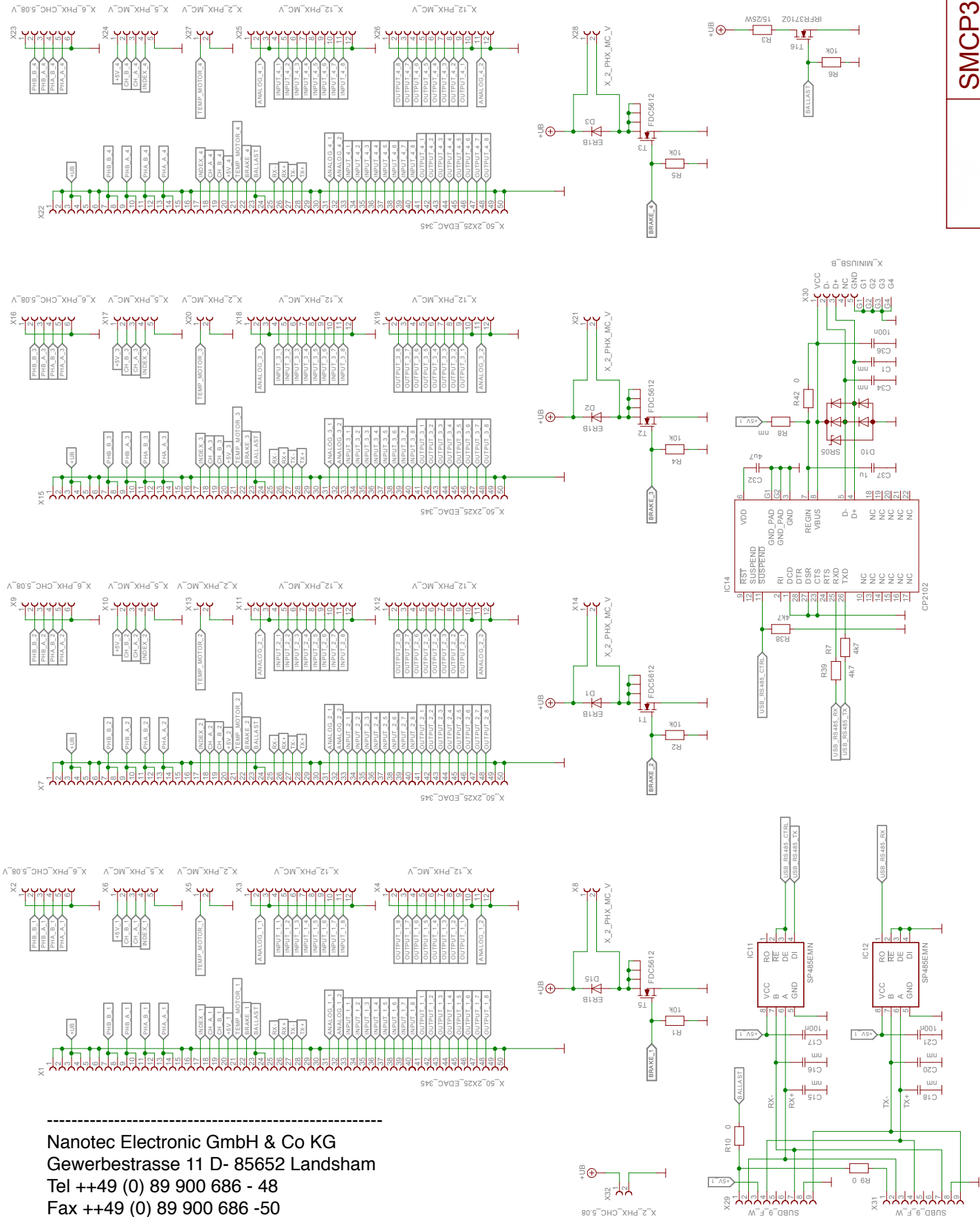


No	Articlenumber Nanotec	Function	price €
1	ZCPHOFK-MC0.5-5	Encoder	3,90 €
2	ZCPHOFKC-2.5HC-2	Power	1,90 €
3	ZCPHOFKC-2.5HC-4	Motor	3,40 €
4+5	2 x ZCPHOFK-MC0.5-2	break / heat sensor	2x 1,90€
6+7	2 x ZCPHOFK-MC0.5-12	I/O	2x 7,90€
8+9	2 x ZCEDA345220088	PCB Holder	2x 0,60€
10	ZCEDA345050521202*	Connector	4,30 €
11	ZCEDA345240318	Coding element	0,40 €
* comes with the SMCP33-EVA			

Nanotec Electronic GmbH & Co KG
 Gewerbestrasse 11 D- 85652 Landsham
 Tel ++49 (0) 89 900 686 - 48
 Fax ++49 (0) 89 900 686 -50
info@nanotec.de

 **Nanotec**[®]
 PLUG & DRIVE

Nanotec Electronic GmbH & Co KG
 Gewerbestrasse 11 D- 85652 Landsham
 Tel ++49 (0) 89 900 686 - 48
 Fax ++49 (0) 89 900 686 -50
info@nanotec.de



SMCP33 EVA