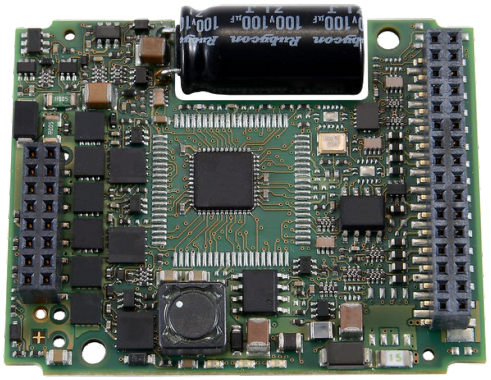

Picture similar

Servo amplifier

mcDSA-B60-Modul

Article number: 1504906

Technical data

Power	
Electronic supply voltage Ue	9..30 V
Electronic current consumption @ Ue=24V	typ. 20 mA
Power supply voltage Up	9..60 V
Max. output current	15 A
Continuous output current	5 A
Output voltage	90% Up
PWM frequency	25 kHz
Min. load inductance	200 uH
Mechanical	
Size LxWxH	52.5 x 41 x 11 mm
Weight	18 g
Environment	
Protection class	IP00
Operating temperature	0..70 °C
Rel. humidity (non-condensing)	5..85 %
Hall sensors	
Signals	H1,H2,H3
Max. freqency (per channel)	10 kHz
Input voltage	5 V
Signal type	open collector, single ended
Digital inputs	
Number	4 (Din0..3)
Low voltage	-30..5 V
High voltage	6..30 V
Analog inputs	
Number	2 (Ain0..1)
Signal type	0..10 V, 12 Bit, single ended
CAN bus	
Protocol	DS301
Max. baudrate	1 Mbit/s
CAN specification	2.0B
Galvanically isolated	no

* default value

Additional technical data are available in mcManual.

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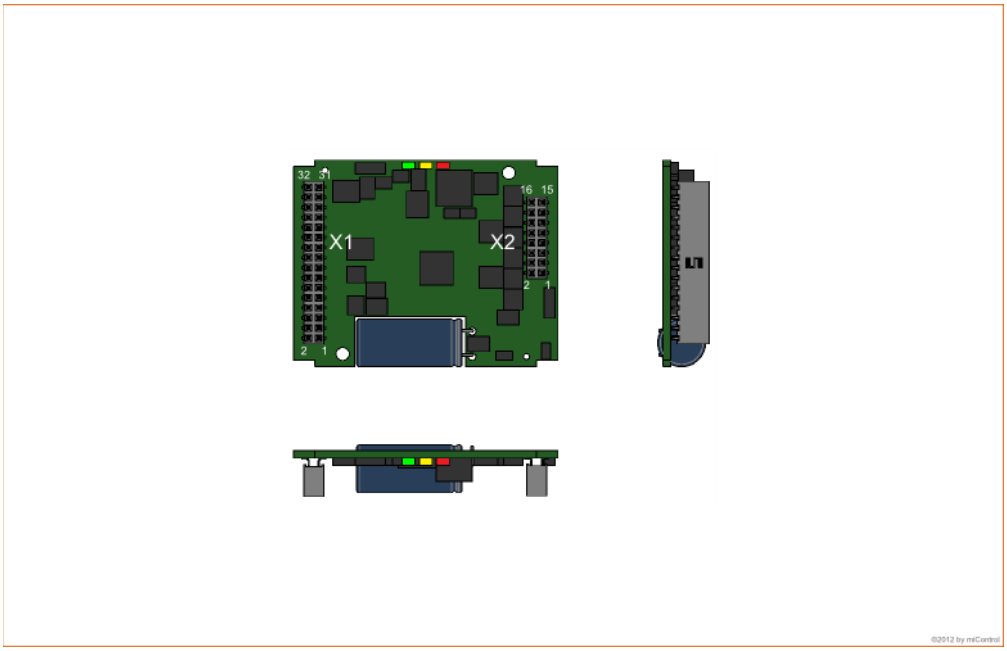
Scheme



Terminal assignment

X1	Hall, I/O's and CAN	
1	res.	Reserved
2	res.	Reserved
3	+U5V	5V auxiliary voltage (hall and encoder)
4	res.	Reserved
5	res.	Reserved
6	res.	Reserved
7	res.	Reserved
8	res.	Reserved
9	H3	Hall sensor 3
10	res.	Reserved
11	H2	Hall sensor 2
12	res.	Reserved
13	H1	Hall sensor 1
14	res.	Reserved
15	CAN Lo	CAN Low
16	res.	Reserved
17	CAN Hi	CAN High
18	res.	Reserved
19	res.	Reserved
20	res.	Reserved
21	Din2	Digital input 2
22	res.	Reserved
23	Din1	Digital input 1
24	res.	Reserved
25	Din0	Digital input 0
26	res.	Reserved
27	Ain0	Analog input 0
28	res.	Reserved
29	Ain1	Analog input 1
30	Din3	Digital input 3
31	GND	Ground for 5V auxiliary voltage (hall and encoder)
32	res.	Reserved

X2	Motor	
1	+Up	Power supply voltage
2	res.	Reserved
3	+Up	Power supply voltage
4	res.	Reserved
5	GND	Ground for power and electronic supply voltage
6	GND	Ground for power and electronic supply voltage
7	Ma	Motor phase A
8	+Ue	Electronic supply voltage
9	Ma	Motor phase A
10	+Ue	Electronic supply voltage
11	Mb	Motor phase B
12	Mb	Motor phase B
13	Mc	Motor phase C
14	res.	Reserved
15	Mc	Motor phase C
16	res.	Reserved

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