

Data Sheet

DP-34044-3-xxx

xtremeDB

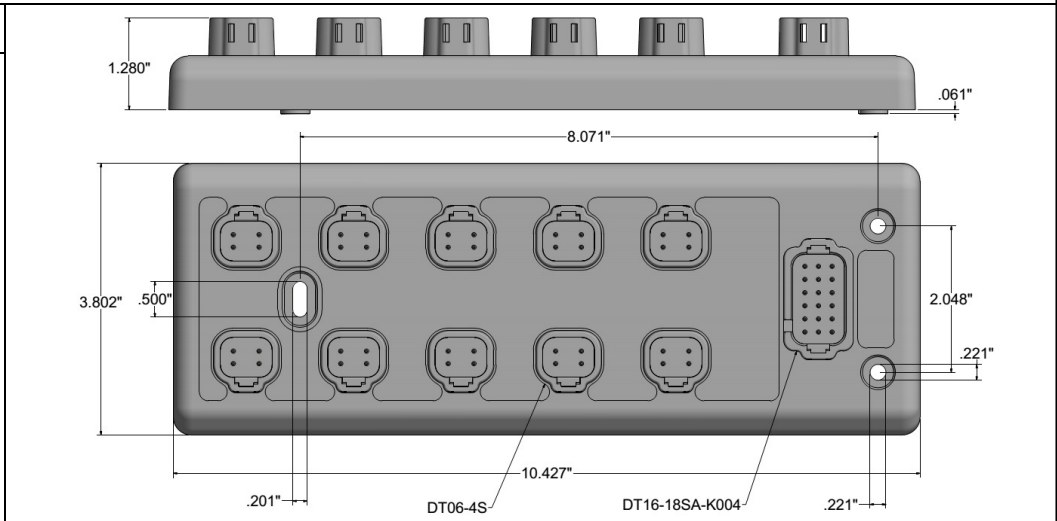
xDB16-PWM

Molded Plastic

Output Module
Digital and PWM


J1939 / CANOpen

8...32 Vdc



Technical Data

Housing	Molded plastic
Dimensions (l x w x h)	3.80 x 10.43 x 1.34 inch (97 x 265 x 34 mm)
Weight	1.5 lbs (0.68 Kg)
Installation (mounting hardware not included)	Screw: 3 x #10 (3 x M5) Torque: 21 in-lbs (2.4 nm) max.
Connections Operating Voltage, Ground, and Configuration I/O Ports	18 Pole Socket DT16-18SA 4 Pole Socket 10 x DT06-4S
Deutsch® size 20 Socket	0462-201-20141
Deutsch® size 16 Socket	0462-201-16141
Deutsch® Seal Plug	114017-ZX
Operating Voltage	8-32 Vdc
Operating Current	13.5 Amps continuous per pin max. 52 Amps node current max.
Communication Interface and Baud Rate	2 non-isolated J1939 ports (250kb & 500kb)
Node ID	Base Source Address 224d (0xE0h) Offset 1-15
Total Outputs	16 (12 4 Amps and 2 10 Amps)
Outputs Diagnostics	Short circuit and Overcurrent
Operating Temperature	-40...80 °C
Storage Temperature	-45...85 °C
IP67	Connector seal plugs required for unused pins. Sealing plugs required for unused ports.

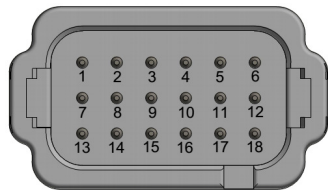
				Date	Name	Data Sheet xtremeDB IO Module xDB16-PWM	
			Originator	01.18.17	JNa		
			Approved	02.10.17	KGu		
b	DCN F208	03.13.20	FSa	 A Murrelektronik Company		Art. No.: DP-34044-3-xxx	<i>Sheet</i> 1 of 3
Rev.	Description	Date	Name				
a	Initial release	02.10.17	JNa	DP-34044-3-xxx_db_e_b.docx			

Characteristics of the output ports

Outputs	Digital Output
	Output voltage 8...32 Vdc
	Switching current 4 Amps
	10 Amps (Port1A Pin-4)
	10 Amps (Port3A Pin-4)
	PWM Output
	PWM frequency 40-1100 Hz
	Switching current 4 Amps

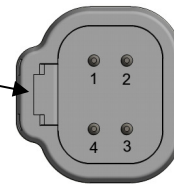
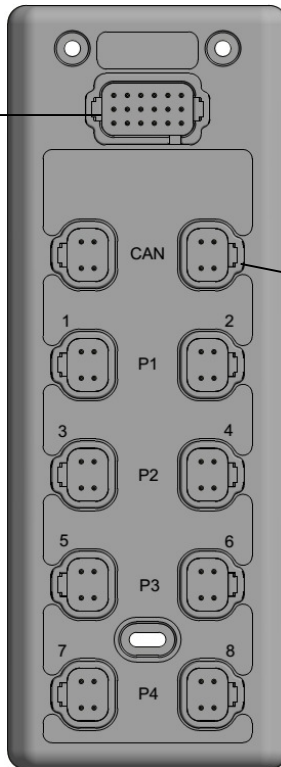
Operating States (LEDs)	Color	Status
PWR	Blue	Module and Ports power are connected
COM & STAT	Green	Module and Communication status
FLT	Red	Fault Status
OUT	Yellow	Left LED – Output A Right LED – Output B

Connector Interface



Connections:

1. Baud 1-A
2. Config 1-A
3. Config 2-A
4. Config 3-A
5. Config 4-A
6. Power 4
7. Baud 1-B
8. Config 1-B
9. Config 2-B
10. Config 3-B
11. Config 4-B
12. Ground B
13. Power 1
14. Power 2
15. Power 3
16. Ground B
17. Ground B
18. Ground B




Connections:

CAN Port 1 & 2

- Pin 1 = 8 - 32V DC
- Pin 2 = CAN High
- Pin 3 = Ground A
- Pin 4 = CAN Low

OUTPUT Ports 1 to 8

- Pin 1 = Ground B
- Pin 2 = Output B
- Pin 3 = Ground B
- Pin 4 = Output A

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						Sheet 2 of 3


Test Standards and Regulation

<i>Climatic test</i>	<i>Cold Temperature to IEC 60068-2-1:2007, test Ad</i> <i>Dry Heat to IEC 60068-2-2:2007, test Bb</i> <i>Temperature Durability to IEC 60068-2-14:2000-08, test Nb</i> <i>Temperature Shock to IEC 60068-2-14:2000-08, test Na</i> <i>Humidity Soak to IEC 60068-2-78:2001, test Cab</i> <i>Humidity Cycle to IEC 60068-2-30:2005, test Db</i>
<i>Mechanical test</i>	<i>Swept Sine Vibration to IEC 60068-2-6:2007, test Fc</i> <i>Random Vibration to IEC 60068-2-64:2008, test Fh</i> <i>Resonance Vibration to IEC 60068-2-6:2007, Section 8.1</i> <i>Mechanical Shock to EN 60068-2-27:2008, test Ea</i> <i>Mechanical Bump to EN 60068-2-27:2008, test Ec</i> <i>IP protection to EN 60529:2000-09, test IP67</i>
<i>Electrical test</i>	<i>Electrical Tests to ISO 16750-2:2012</i> <i>EMC Immunity to ISO 13766-1:2018, ISO 13766-2:2018, ISO 13309:2010</i> <i>EMC Emissions to ISO 13766-1:2018, ISO 13766-2:2018, ISO 13309:2010</i> <i>Conducted Transients to ISO 13766-1:2018, ISO 13766-2:2018, ISO7637-2:2011, Annex A</i>

Article Numbers

DP-34044-3-000	J1939 Slave Module
DP-34044-3-200	CANOpen Slave module



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