

Data Sheet

DP-34044-4

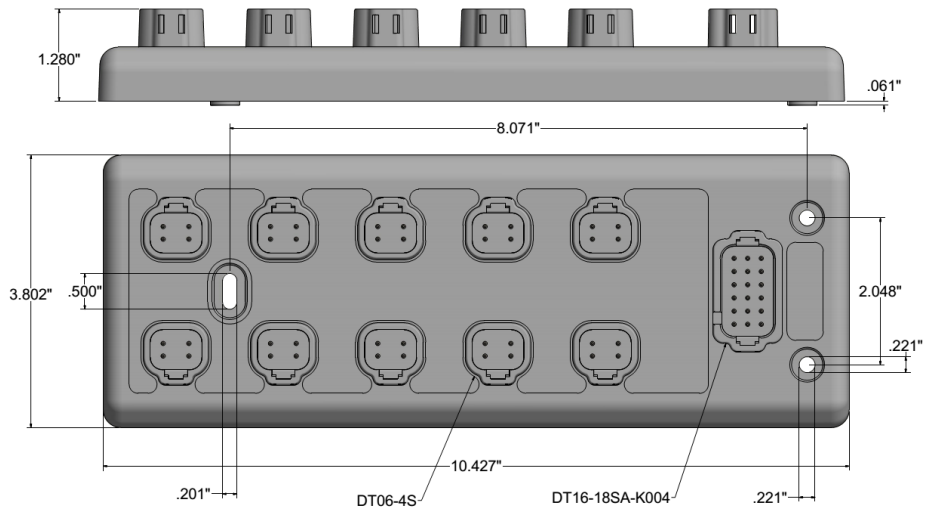
XtremeDB Module

Molded Plastic

Output module

J1939 Interface

8...32Vdc



Technical Data

16 Outputs (Digital, PWM, PWM(I))

Housing	Molded plastic
Dimensions (l x W x h)	3.802 x 10.427 x 1.341 inch
Installation	Screw connection 3 x M5
Connections	
Operating Voltage and CAN bus	18 pole DT16-18SA Socket
Outputs	8 x DT06-4S
CAN in/out	2 x DT06-4S
Weight	1.5 lb
Operating Voltage	8-32Vdc
Switching Current	(2) 4A, (2) 10A, (6) 4A Paired
Communication Interface and Baud Rate	2 non-isolated J1939 ports (250kb & 500kb)
Node ID	0-15
Total Outputs	16 (12 paired & 12 configurable)
Outputs (configurable)	Ports 1 & 3: Digital high side Ports 2, 4-8: Digital high side / PWM/ Current control PWM (paired)
PWM Frequency	100-1200hz
Outputs Diagnostics	Short circuit and Overcurrent
Operating Temperature	-40...85 °C
Storage Temperature	-45...85 °C
Protection	IP67

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

Data Sheet

XtremeDB J1939
16 outputs with PWM(I)

Art. No.: DP-34044-4

Sheet
1 of 2



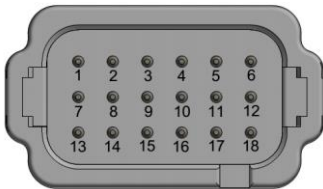
				Date	Name
			Originator	08.09.16	JNa
			Approved	09.21.16	KGu
b	Labels added	10.14.16	JNa		
Rev.	Description	Date	Name		
a	Initial release	09.21.16	JNa	10/14/2016	DP-34044-4db.doc

Characteristics of the outputs ports

Outputs

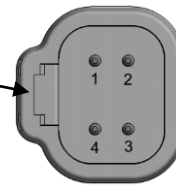
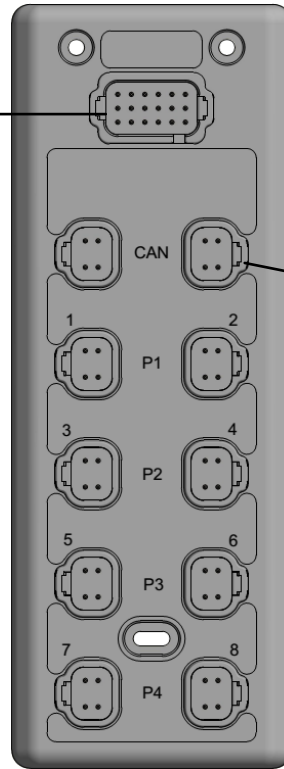
Voltage Output	
Output Voltage	8...32Vdc
Switching Current	4A
Total Current	max. 52A
PWM & PWM(I) Output	
PWM Frequency	100-1200hz
Switching Current	4A

Connecting elements



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 - 32Vdc
 - 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

Test standards and regulation

Climatic test	Temperature Shock to EN 60068-2-14:2000-08
Mechanical resistance test	Vibration to JDQ 53.3 6.1.1 & 6.1.2, level 4 Shock to EN 60068-2-27:2009, test Ea Bump to EN 60068-2-29:2009, test Eb IP protection to EN 60529:2000-09, test IP67

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