

# Data Sheet

**DP-34044-2**

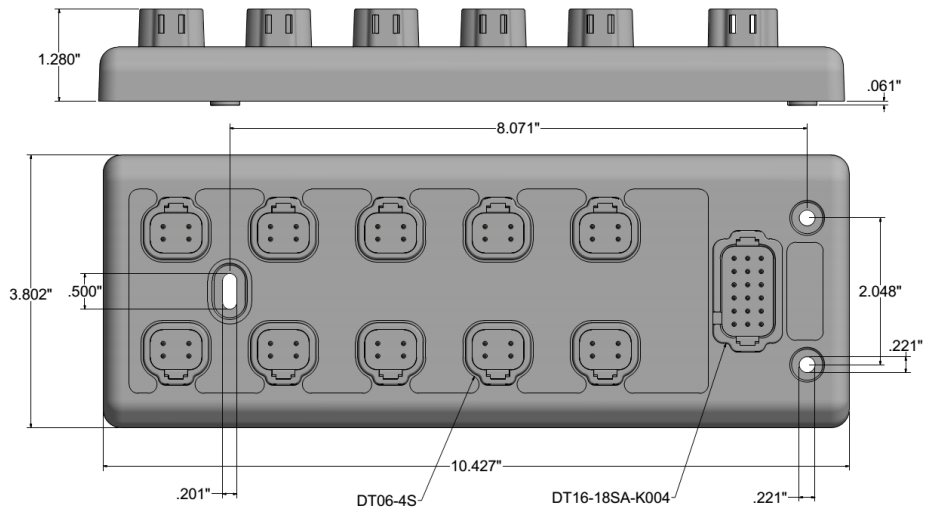
**XtremeDB Module**

**Molded Plastic**


**Input module  
Digital and Analogue**

**J1939 Interface**

**8...32Vdc**




Technical Data	16 Configurable Inputs (8 Digital /8 Analog/Digital)
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 Inputs / Outputs CAN in/out	18 pole DT16-18SA Socket 8 x DT06-4S 2 x DT06-4S
Weight	1.5 lb
Operating Voltage	8-32Vdc
Switching Current	4A
Communication Interface and Baud Rate	2 non-isolated J1939 ports (250kb & 500kb)
Node ID	0-15
Total Inputs	16
Inputs (configurable)	Each input has 2 configurable input connections (Input A - Pin4 & Input B – Pin2)  Input A - Digital positive switching, Digital ground switching (2 inputs 7A&8A with frequency/encoder/counter)  Input B - Digital positive switching, Digital ground switching, 4-20mA, 0-5VDC, 0-10VDC, 0-32 Vdc, Ratiometric
Inputs resolution	12 bit, 1% full scale accuracy
Operating Temperature	-40...85 °C
Storage Temperature	-45...85 °C
Protection	IP67

				Date	Name	<b>Data Sheet</b>  <b>XtremeDB J1939</b> <b>16 configurable inputs</b>	
			Originator	09.09.16	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-34044-2db.doc
						<b>Art. No.: DP-34044-2</b>	Sheet 1 of 3

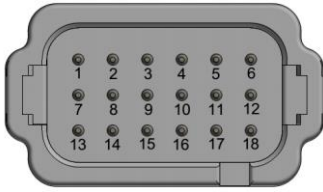
Operating States (LEDs)	Color	Status
PWR	Blue	Module and Ports power are connected
COM & STAT	Green	Module and Communication status
FLT	Red	Fault Status
IN	Yellow	Left LED – Input A Right LED – Input B

**Characteristics of the inputs / outputs ports**

<b>Inputs Digital</b>	Positive switching >0.8V Ground switching <0.3V Input resistance 0.71MΩ Input frequency 8 mSec
<b>Inputs Analog</b>	<b>Voltage Input</b> Input Voltage 0...5VDC 0...10VDC 0...32Vdc Resolution 12 bit Input resistance 3.3MΩ Input frequency 14 mSec Accuracy 1% Full Scale  <b>Current Input</b> Input Current 4-20mA Resolution 12 bit Input resistance 3.3MΩ Input frequency 14 mSec Accuracy 1% Full Scale  <b>Ratiometric Input</b> 0-1000 (0-100.0%)

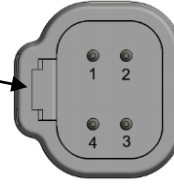
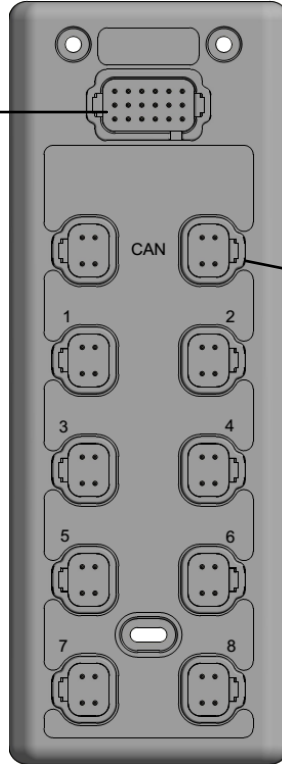
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## Connecting elements



### Connections:

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



### Connections:

- CAN Port 1 & 2**  
 Pin 1 = 8 - 32Vdc  
 Pin 2 = CAN High  
 Pin 3 = Ground A  
 Pin 4 = CAN Low

### INPUT Ports 1 to 8

- Pin 1 = 8 - 32Vdc  
 Pin 2 = Input B  
 Pin 3 = Ground A  
 Pin 4 = Input A

## Test standards and regulation

<i>Climatic test</i>	<i>Temperature Shock to EN 60068-2-14:2000-08</i>
<i>Mechanical resistance test</i>	<i>Vibration to JDQ 53.3 6.1.1 &amp; 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</i>

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