Data Sheet

DP-34044-5-xxx

xtremeDB

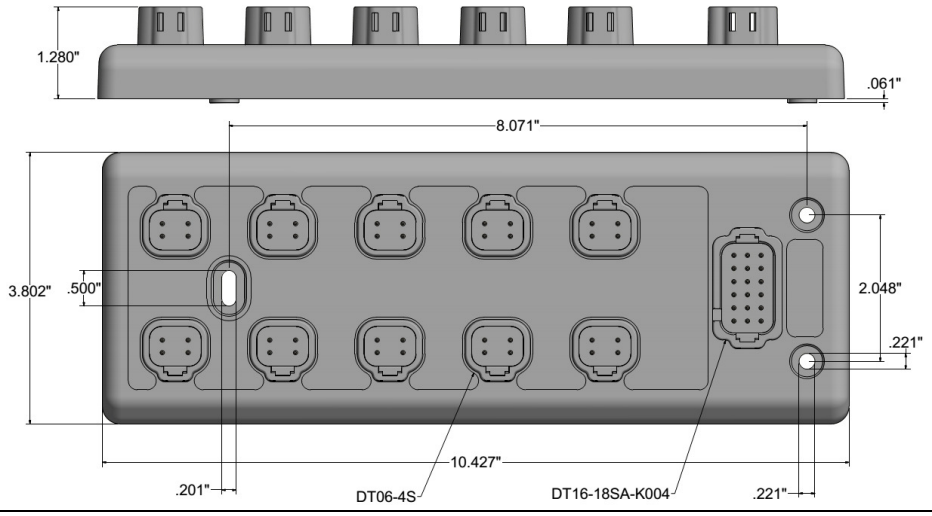
xDB16-DO

Molded Plastic

Output Module Digital

J1939 / CANOpen / DPLogic

8…32 Vdc

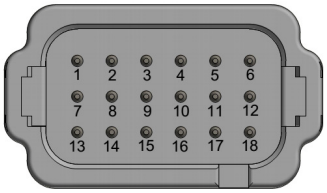


Technical Data	
Housing	*Molded plastic*
Dimensions (l x w x h)	*3.80 x 10.43 x 1.34 inch (97 x 265 x 34 mm)*
Weight	*1.5 lbs (0.68 Kg)*
Installation (mounting hardware not included)	*Screw: 3 x #10 (3 x M5)* *Torque: 21 in-lbs (2.4 nm) max.*
Connections *Operating Voltage, Ground, and Configuration* *I/O Ports* *Deutsch® size 20 Socket* *Deutsch® size 16 Socket* *Deutsch® Seal Plug*	 *18 Pole Socket DT16-18SA* *4 Pole Socket 10 x DT06-4S* *0462-201-20141* *0462-201-16141* *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*
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.*

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)*

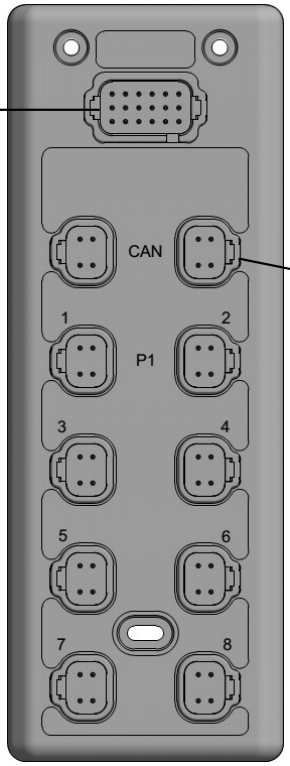
Operating States (LEDs)	*Color*	*Status*
PWR	*Blue*	*Module and Ports power are connected*
COM & STAT	*Green*	*Module and Communication status*
FLT	*Red*	*Fault Status*
OUT	*Yellow*	*Left LED – Output A* *Right LED – Output B*

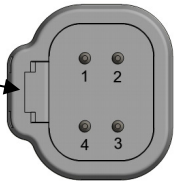
Connector Interface



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

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

Article Numbers	
DP-34044-5-000	J1939 Slave Module
DP-34044-5-100	DPLogic enabled Master, user programmable
DP-34044-5-200	CANOpen Slave module

DPLogic™ User function / logic generating and programming tool for creating vehicle personality. Similar to Ladder Logic with user enhanced features for troubleshooting and diagnostics.