

Data Sheet

DP-34045-4-000

xtremeDB

xDB-4-NPN

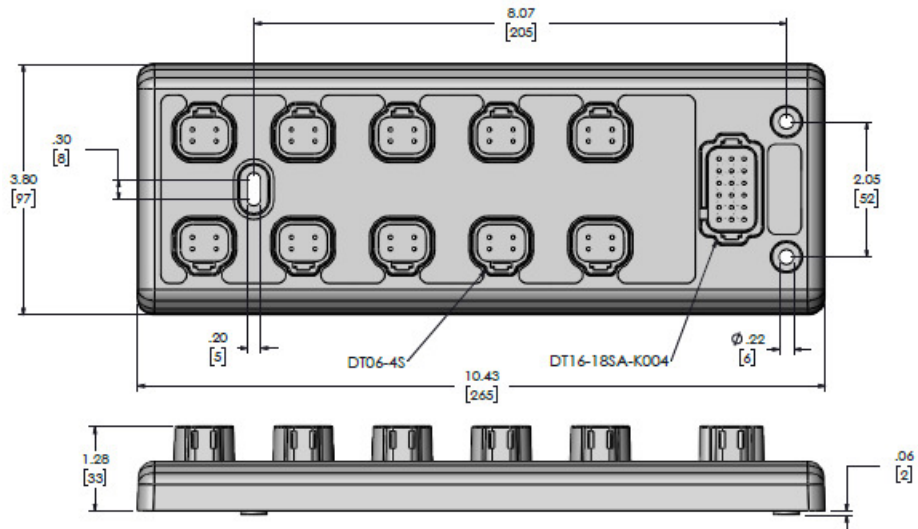
Passive Module

**Common Bus
Power**

NPN Sensors

8-32 Vdc

**United States
Patent:
US 10,069,226
Sep. 4, 2018**



Technical Data

Housing	Molded plastic
Dimensions (l x w x h)	3.80 x 10.43 x 1.34 in (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.
Mating Connectors and Accessories Operating Voltage, Ground, and Configuration I/O-Ports	18 Pole Plug DT16-18SA or equivalent 4 Pole Plug 10 x DT06-4S or equivalent 0462-201-20141 0462-201-16141 114017-ZX
DEUTSCH size 20 Socket DEUTSCH size 16 Socket DEUTSCH Seal Plug	
Total I/O	16 (2 mirrored ports: ports 7 & 9 and ports 8 & 10)
Operating Voltage (Battery)	8...32 V DC
Switching Current	13 A per pin max.
Total Current (Battery)	26 A max.
Total Current (IO)	8 A max.
Operating Temperature	-40...80 °C
Storage Temperature	-40...85 °C
Protection Class	IP67: Connector seal plugs required for unused pins. Sealing plugs required for unused ports IP68/IP69K: Using MDC xtreme cables.

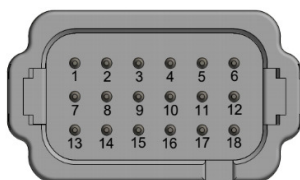


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				Originator	02.10.17	JNa		
e	DCN F412	10.02.20	TMc	Approved	02.10.17	KGu		
d	DCN F256	05.18.20	FSa	DATA PANEL A Murrelektronik Company				
c	DCN F112	12.02.19	FSa					
Rev.	Description	Date	Name	DP-34045-4-000_db_e_e.docx			Art. No.: DP-34045-4-000	Sheet 1 of 4
b	Initial release	02.10.17	JNa					
							The trademark DEUTSCH is owned by the TE Connectivity Ltd. family of companies.	

<i>Operating States (LEDs)</i>	<i>Color</i>	<i>Status</i>
<i>OUT</i>	<i>Yellow</i>	<i>Left LED – Output A Right LED – Output B</i>
<i>Test Standards and Regulation</i>		
<i>Climatic Tests</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 Tests</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, IP68, IP69K</i> <i>Chemical Loads to ISO 16750-5:2010 Part 5: AA, BA, BC, BD, BE, CC, DB, DD</i>	
<i>CE</i>	<i>RoHS: Directive 2011/65/EU</i>	

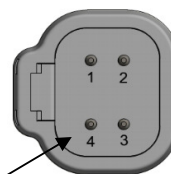
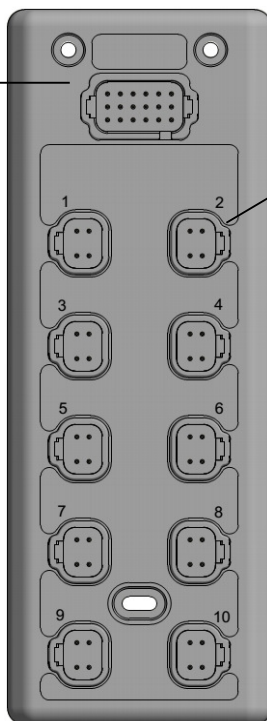
Derating Curve

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Connections:

1. Port 1, Pin 4: IO-1A
2. Port 1, Pin 2: IO-1B
3. Port 2, Pin 4: IO-2A
4. Port 2, Pin 2: IO-2B
5. Port 3, Pin 4: IO-3A
6. Port 3, Pin 2: IO-3B
7. Port 4, Pin 4: IO-4A
8. Port 4, Pin 2: IO-4B
9. Port 5, Pin 4: IO-5A
10. Port 5, Pin 2: IO-5B
11. Port 6, Pin 4: IO-6A
12. Port 6, Pin 2: IO-6B
13. Port 7 & 9, Pin 4: IO-7A
14. Port 7 & 9, Pin 2: IO-7B
15. Port 8 & 10, Pin 4: IO-8A
16. Port 8 & 10, Pin 2: IO-8B
17. Battery
18. Battery



Connections:

Power Ports 1 to 10

Pin 1 = Battery

Pin 3 = Battery

Input/Output Ports 1 to 10

Port 1, Pin 4: IO-1A

Port 1, Pin 2: IO-1B

Port 2, Pin 4: IO-2A

Port 2, Pin 2: IO-2B

Port 3, Pin 4: IO-3A

Port 3, Pin 2: IO-3B

Port 4, Pin 4: IO-4A

Port 4, Pin 2: IO-4B

Port 5, Pin 4: IO-5A

Port 5, Pin 2: IO-5B

Port 6, Pin 4: IO-6A

Port 6, Pin 2: IO-6B

Port 7 & 9, Pin 4: IO-7A

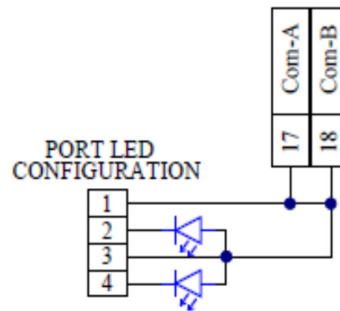
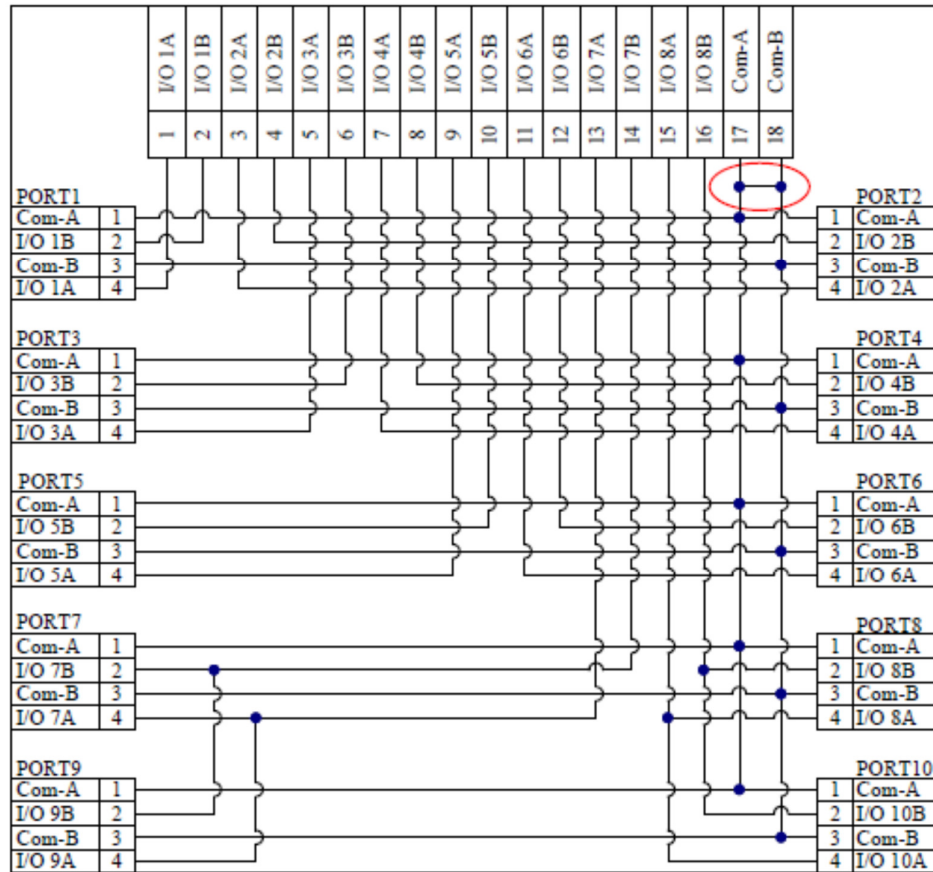
Port 7 & 9, Pin 2: IO-7B

Port 8 & 10, Pin 4: IO-8A

Port 8 & 10, Pin 2: IO-8B

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34045-4-000 I/O Diagram



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