

Data Sheet	
DP-34045-5-000	
xtremeDB xDB-5-16IO Passive Module w/o LEDs Common Bus 8-32 Vdc United States Patent: US 10,069,226 Sep. 4, 2018	Technical drawing of the DP-34045-5-000 module. The top view shows a rectangular module with dimensions 8.07 [205] in width and 3.60 [97] in height. It features 10 D-sub connectors (5 on each side) and a 16-pin D-sub connector on the right. Dimensions include .30 [8] for the top edge, .20 [5] for the bottom edge, 10.43 [265] for the bottom edge, and 2.05 [52] for the right edge. The side view shows a height of 1.28 [33] and a thickness of .06 [2].

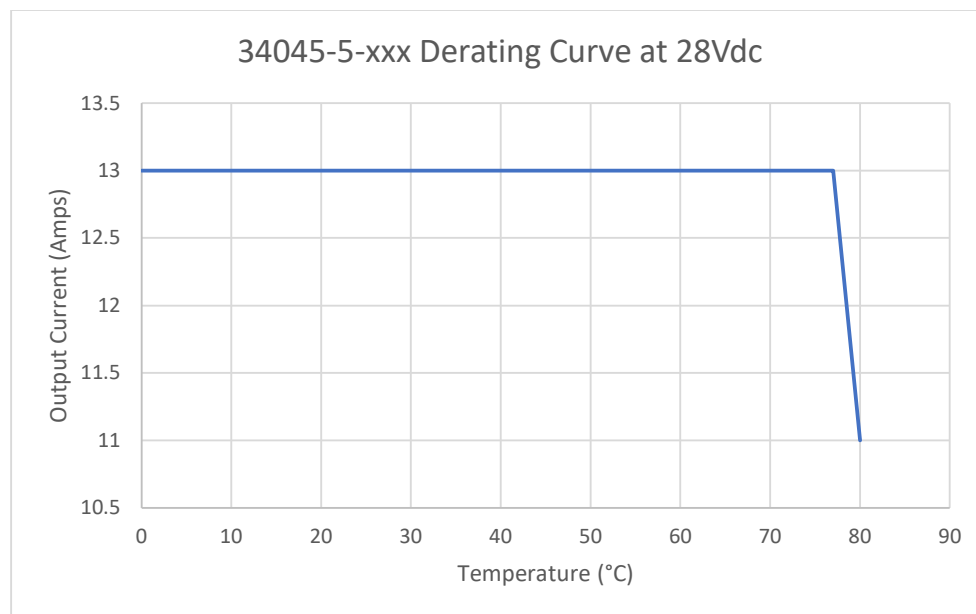
Technical Data	
Housing	Molded plastic
Dimensions (l x w x h)	3.80 x 10.43 x 1.34 in (97 x 265 x 34 mm)
Weight	1.5 lbs (0.68 kg)
Installation (mounting hardware not included)	Screw: 3 x #10 (3 x M5) Torque: 21 in-lbs (2.4 Nm) max.
Mating Connectors and Accessories	
Operating Voltage, Ground, and Configuration	18 Pole Plug DT16-18SA or equivalent 4 Pole Plug 10 x DT06-4S or equivalent
I/O-Ports	
DEUTSCH size 20 Socket	0462-201-20141
DEUTSCH size 16 Socket	0462-201-16141
DEUTSCH Seal Plug	114017-ZX
Total I/O	16 (2 mirrored ports: ports 7 & 9 and ports 8 & 10)
Operating Voltage (Common)	8...32 V DC or Ground
Switching Current	13 A per pin max.
Total Current (Common)	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.



					Date	Name	Data Sheet xtremeDB Passive Module xDB-5-16iO	
				Originator	11.30.17	JNa		
e	DCN F412	10.02.20	TMc	Approved	11.30.17	VJi		
d	DCN F256	05.18.20	FSa	DATA PANEL A Murrelektronik Company				
c	DCN F112	12.02.19	FSa				Art. No.: DP-34045-5-000	
Rev.	Description	Date	Name					
b	initial release	11.30.17	JNa	DP-34045-5-000_db_e_e.docx			The trademark DEUTSCH is owned by the TE Connectivity Ltd. family of companies.	

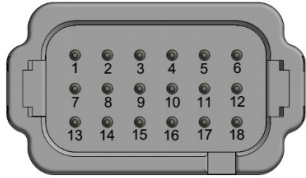
Test Standards and Regulation	
Climatic Tests	Cold Temperature to IEC 60068-2-1:2007, test Ad Dry Heat to IEC 60068-2-2:2007, test Bb Temperature Durability to IEC 60068-2-14:2000-08, test Nb Temperature Shock to IEC 60068-2-14:2000-08, test Na Humidity Soak to IEC 60068-2-78:2001, test Cab Humidity Cycle to IEC 60068-2-30:2005, test Db
Mechanical Tests	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, IP68, IP69K Chemical Loads to ISO 16750-5:2010 Part 5: AA, BA, BC, BD, BE, CC, DB, DD
CE	RoHS: Directive 2011/65/EU

Derating Curve



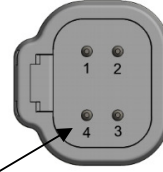
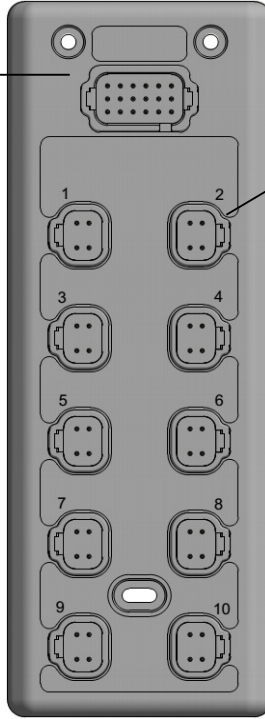
Rev.	Description	Date	Name	Date	Name	Data Sheet xtremeDB Passive Module xDB-5-16IO Art. No.: DP-34045-5-000	
e	DCN F412	10.02.20	TMc	Approved	11.30.17		
d	DCN F256	05.18.20	FSa	Originator	11.30.17		
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				DP-34045-5-000_db_e_e.docx		Sheet 2 of 4	

Connector Interface



Connections:

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



Connections:

Power Ports 1 to 10

Pin 1 = Common
Pin 3 = Common

Input/Output Ports 1 to 10

Port 1, Pin 4: Output 1A
Port 1, Pin 2: Output 1B

Port 2, Pin 4: Output 2A
Port 2, Pin 2: Output 2B

Port 3, Pin 4: Output 3A
Port 3, Pin 2: Output 3B

Port 4, Pin 4: Output 4A
Port 4, Pin 2: Output 4B

Port 5, Pin 4: Output 5A
Port 5, Pin 2: Output 5B

Port 6, Pin 4: Output 6A
Port 6, Pin 2: Output 6B

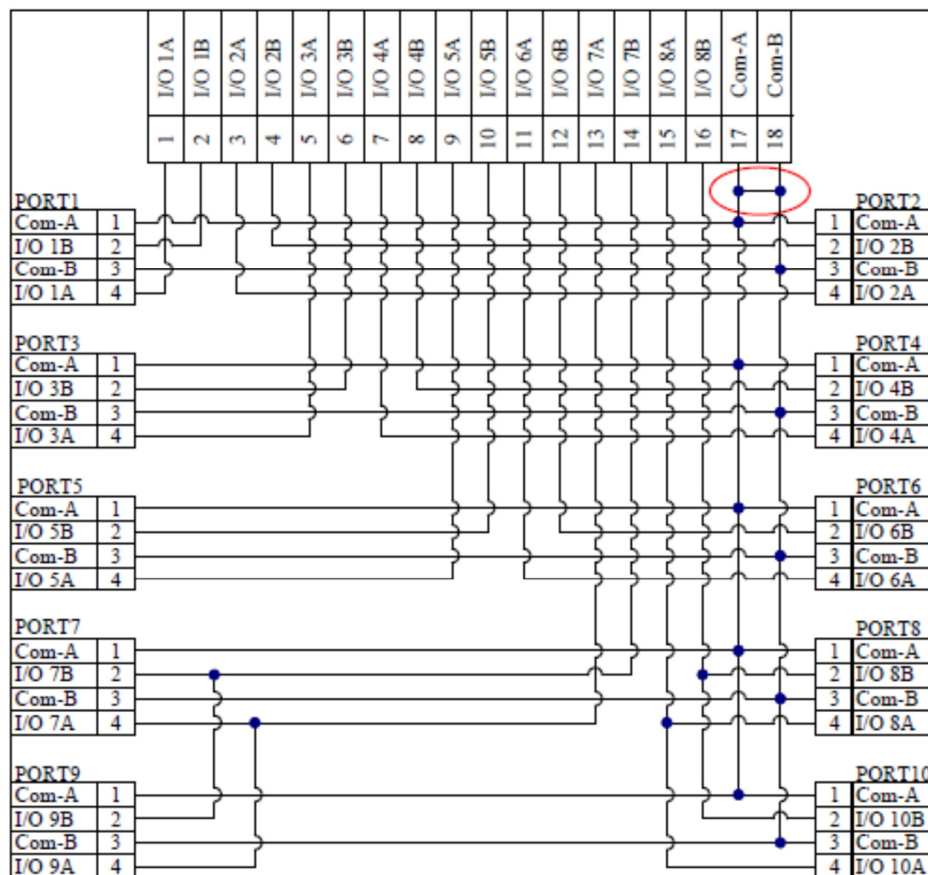
Port 7 & 9, Pin 4: Output 7A
Port 7 & 9, Pin 2: Output 7B

Port 8 & 10, Pin 4: Output 8A
Port 8 & 10, Pin 2: Output 8B

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Connector Wire Diagram

34045-5-000 I/O Diagram



PORT LED CONFIGURATION

NO LED_s

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