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REVISION HISTORY			
REV.	DESCRIPTION	DATE	APPROVED
P1-D1	INITIAL RELEASED	2025-09-25	GDV



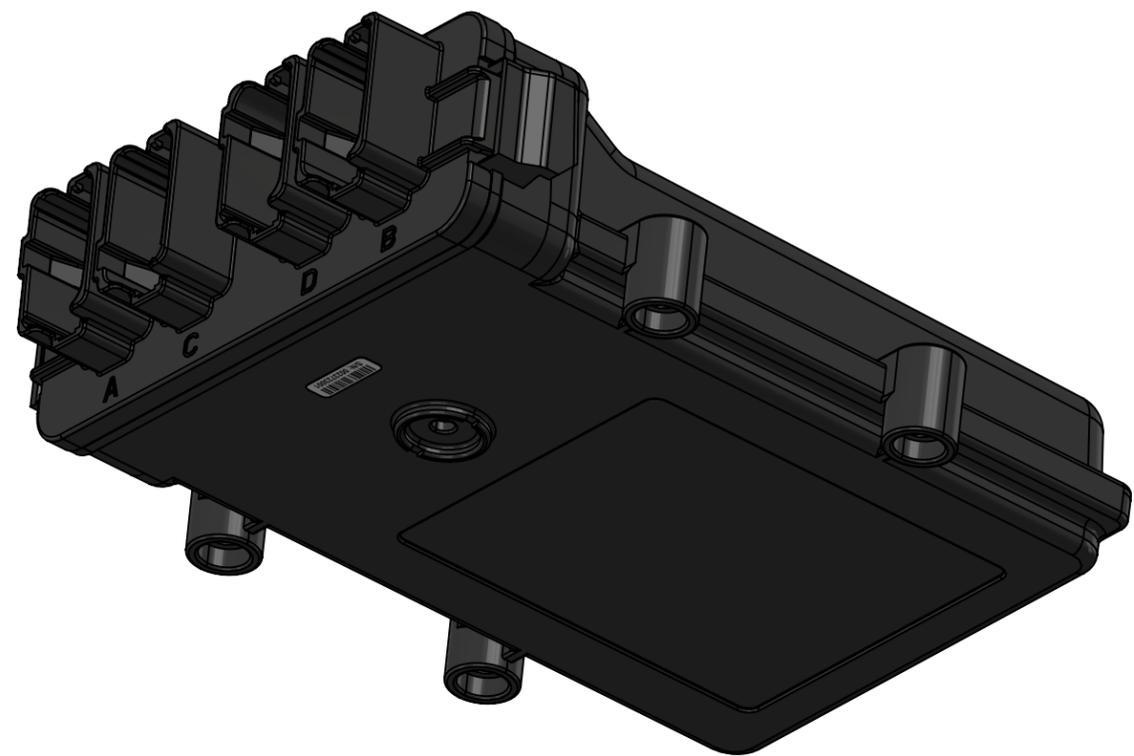
**AXIOMATIC**  
Global Electronic Solutions

21 Inputs, 6 Outputs, Dual CANopen Controller

P/N: AX031221  
S/N: 0013424004

Connector A	Connector C	Connector D	Connector B
PIN #	FUNCTION	PIN #	FUNCTION
1	D IN 1	1	A IN 2
2	D IN 3	2	A IN 2 GND
3	UNI IN 1	3	A IN 3
4	UNI IN 2	4	A IN 3 GND
5	UNI IN 3	5	A IN 4
6	UNI IN 4	6	A IN 4 GND
7	ENC_1 A	7	A IN 5
8	ENC_1 B	8	A IN 6
9	ENC_2 A	9	A IN 7
10	ENC_2 B	10	A IN 8
11	D IN 4	11	A OUT 3
12	D IN 2	12	A OUT GND 3
			1 BATT +
			2 CAN 1 L
			3 CAN 1 H
			4 CAN 1 SHIELD
			5 CAN 2 H
			6 CAN 2 L
			7 CAN 2 SHIELD
			8 A IN 1
			9 A IN 1 GND
			10 MAG_IN_N
			11 MAG_IN_PICKUP
			12 BATT -

R3.75 mm  
[0.148 in]  
To suit a M6  
or 1/4" bolt (x4)

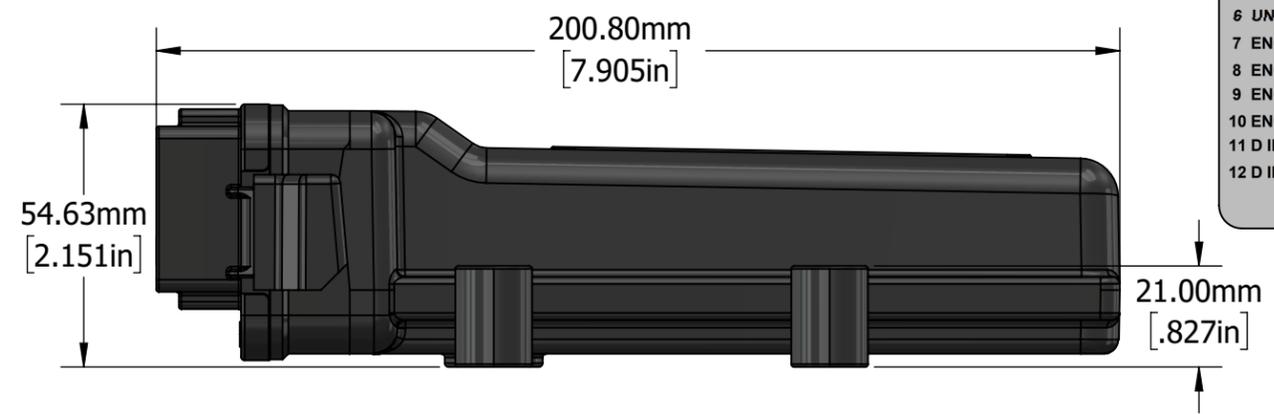
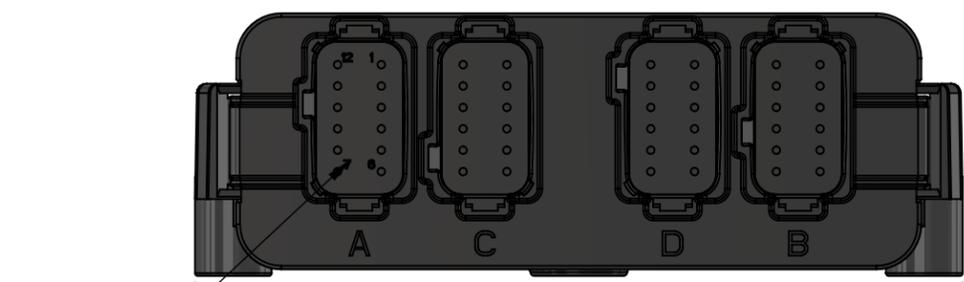


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**LABEL DETAIL**

**TE Deutsch DT04-12PX receptacles**  
**Keyed A / C / D / B as shown**  
**Mates with DT06-12SX (all variations)**

DIMENSIONS ARE mm[IN]  UNLESS OTHERWISE SPECIFIED IN DRAWING TOLERANCE ON:  X.XXX [.XX] ± 0.008 [0.20] X.XX [X.X] ± 0.02 [0.51] X.X ± 0.4 [1.00] ANGLES ± 1.0° Others follow ISO 2768-2, tolerance class K	<b>PROPRIETARY AND CONFIDENTIAL</b> THE INFORMATION CONTAINED IN THIS DRAWING IS CONFIDENTIAL AND PROPRIETARY AND REMAINS THE EXCLUSIVE PROPERTY OF AXIOMATIC TECHNOLOGIES CORPORATION. THIS DRAWING MAY NOT BE USED, REPRODUCED IN WHOLE OR IN PART, NOR REVEALED TO OTHERS WITHOUT THE PRIOR WRITTEN CONSENT OF AXIOMATIC TECHNOLOGIES CORPORATION. BY ACCEPTANCE OF THIS DRAWING, THE BEARER AGREES TO THESE CONDITIONS.		AXIOMATIC TECHNOLOGIES CORPORATION 1445 COURTNEY PARK DR E MISSISSAUGA, ON CANADA L5T2E3 905-602-9270			
	MATERIAL	N/A	DRAWN	DATE	TITLE:	
	FINISH	N/A	JA	2025-09-25	21 Inputs, 6 Outputs, Dual CANopen Controller	
	THIRD ANGLE PROJECTION	TOOL	QA	DATE	DWG REV	DWG NO
	SOLIDWORKS	CM	2025-12-02	D1	AX031221-MD	P1
	SIZE	APPROVED	DATE	SCALE	PART NO	SHEET
	<b>B</b>	GDV	2025-12-02	1:1.5	AX031221	SHEET 1 OF 1

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