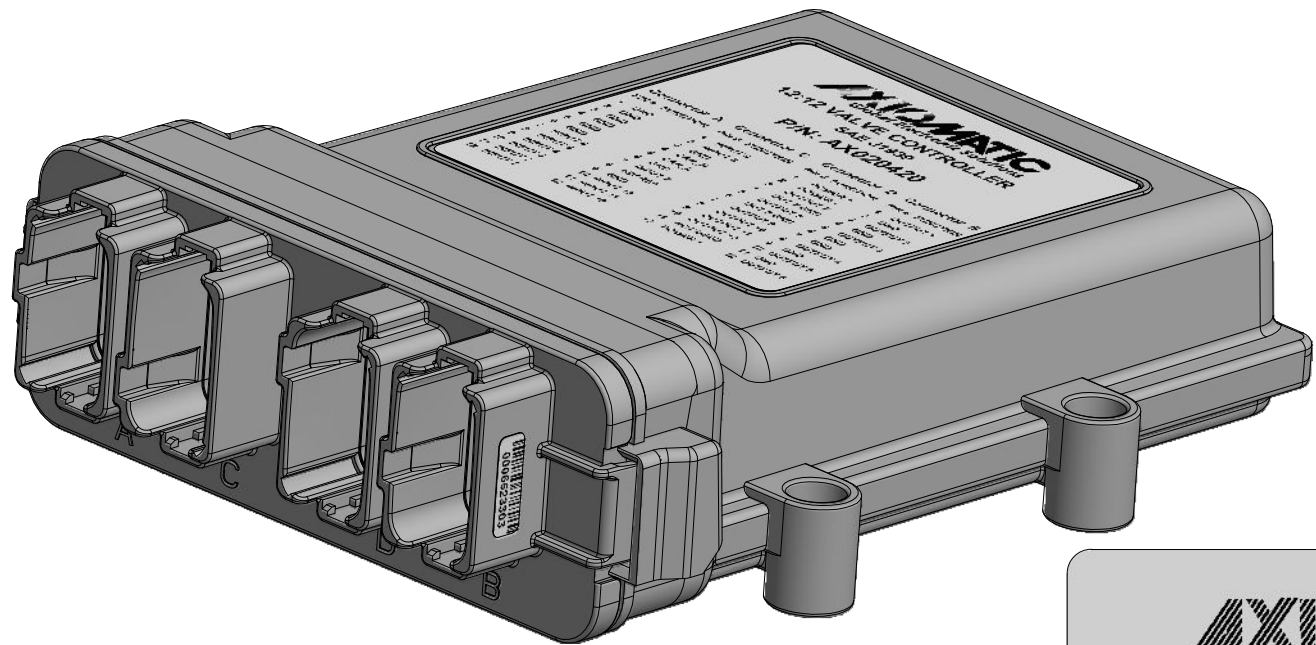
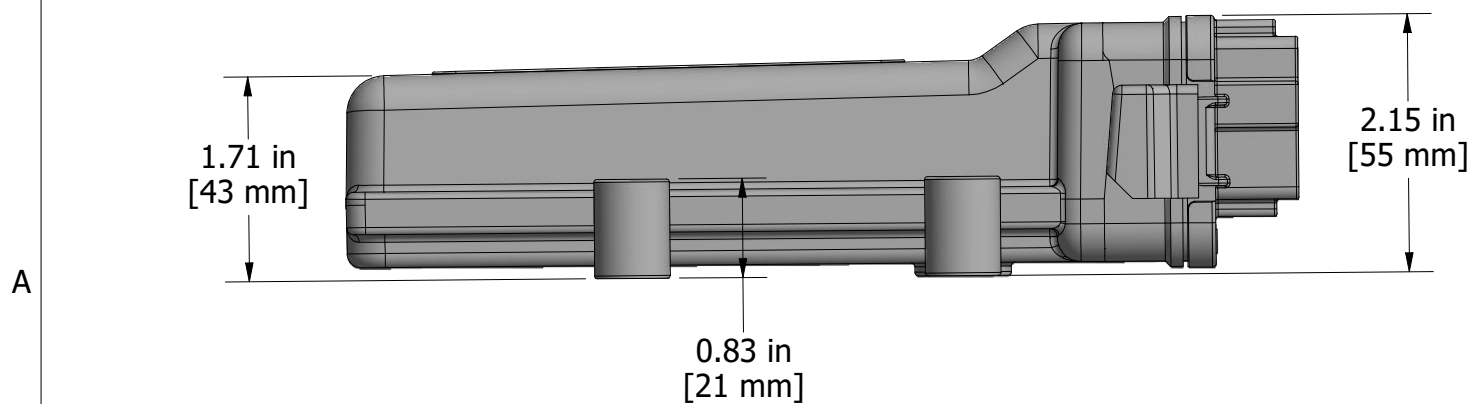
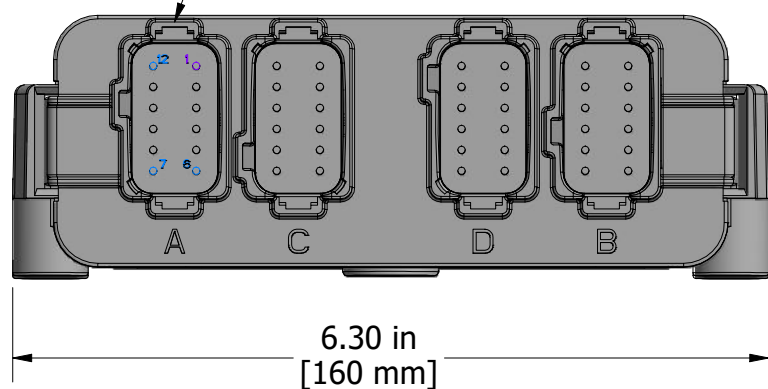


Ø0.310 in
[Ø7.87 mm]
to suit a 5/16" or M8 bolt (4)



TE Deutsch DT13-48PABCD-R015
mates with TE Deutsch DT06-12S plugs,
all modifications, keyed A - B - C - D





REVISION HISTORY					
REV	DESCRIPTION	DATE	DRAWN	QA	APPROVED
P2-D1	label update	December 18-2024	TF		GDV
P3-D3	SMT update	2025-03-15	AZ	CM	GDV
A-D1	Release to A (RFA24-0106)	2025-03-15	AZ	CM	GDV

AXIOMATIC
Global Electronic Solutions

12:12 VALVE CONTROLLER
SAE J1939
P/N: AX020420

Connector A	Connector C	Connector D	Connector B
PIN #	FUNCTION	PIN #	FUNCTION
1	GND	1	INPUT 9
2	GND	2	INPUT 8
3	GND	3	GND
4	GND	4	CAN_H
5	GND	5	CAN_L
6	GND	6	GND
7	INPUT 6	7	INPUT 7
8	INPUT 5	8	+5V REF
9	INPUT 4	9	GND
10	INPUT 3	10	INPUT 12
11	INPUT 2	11	INPUT 11
12	INPUT 1	12	INPUT 10

PIN #	FUNCTION	PIN #	FUNCTION
1	POWER +	1	OUTPUT 1
2	POWER -	2	OUTPUT 2
3	OUTPUT 7	3	OUTPUT 2
4	OUT 7 GND	4	GND
5	OUTPUT 8	5	OUTPUT 3
6	OUT 8 GND	6	GND
7	OUTPUT 9	7	GND
8	OUTPUT 10	8	OUTPUT 4
9	OUTPUT 11	9	GND
10	OUTPUT 12	10	OUTPUT 5
11	NOT USED	11	GND
12	POWER +	12	OUTPUT 6

<p>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.</p>				<p>PROPRIETARY</p> 		<p>AXIOMATIC TECHNOLOGIES CORPORATION 1445 Courtneypark Dr. MISSISSAUGA, ON CANADA L5T 2E3 905-602-9270</p>			
<p>DIMENSIONS ARE INCHES [mm] UNLESS OTHERWISE SPECIFIED IN DRAWING TOLERANCE ON:</p> <p>X.XXX [.XX] ± 0.008 [0.20] X.XX [X.X] ± 0.02 [0.51] (X.XX [X.X]) ± 0.04 [1.00] ANGLES ± 1.0° Others follow ISO 2768-2, tolerance class K</p>		<p>MATERIAL NA</p> <p>FINISH NA</p> <p>THIRD ANGLE PROJECTION</p> 	<p>TOOL</p> <p>INVENTOR SIZE B</p>	<p>DRAWN TF</p> <p>CHECKED</p> <p>APPROVED GDV</p>	<p>DATE 2023-08-21</p> <p>DATE 2024-11-18</p>	<p>TITLE 12 Universal Input 12 Output Valve Controller, J1939</p> <p>DWG REV D1</p> <p>SCALE 0.75</p>		<p>DWG NO AX020420-MD</p> <p>PART NO AX020420</p>	<p>PART REV A</p> <p>SHEET 1 of 1</p>
2				1					