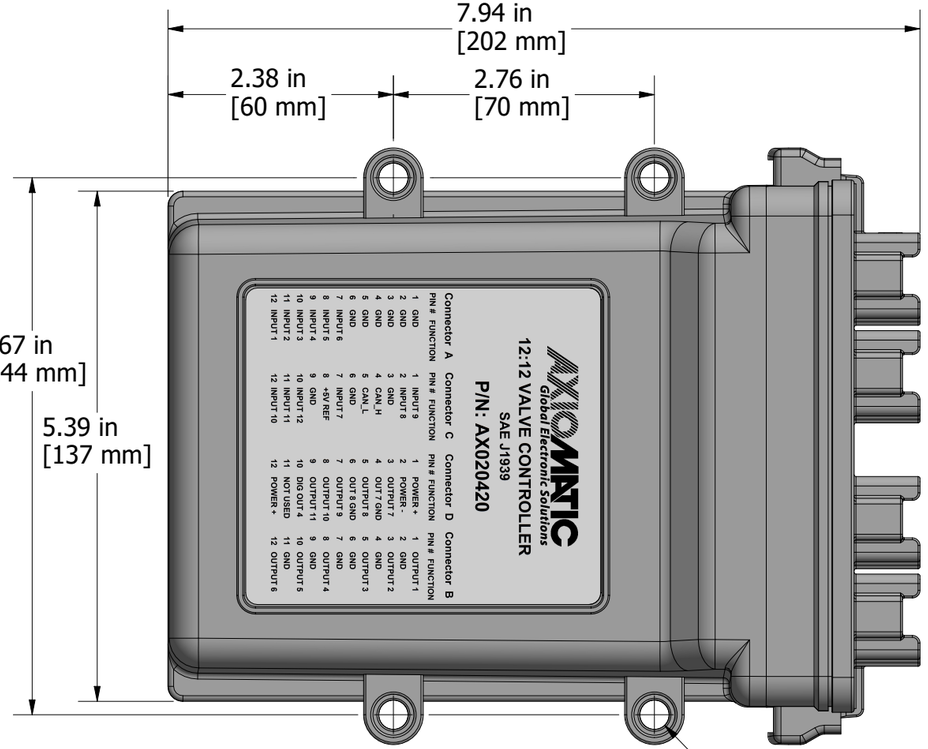
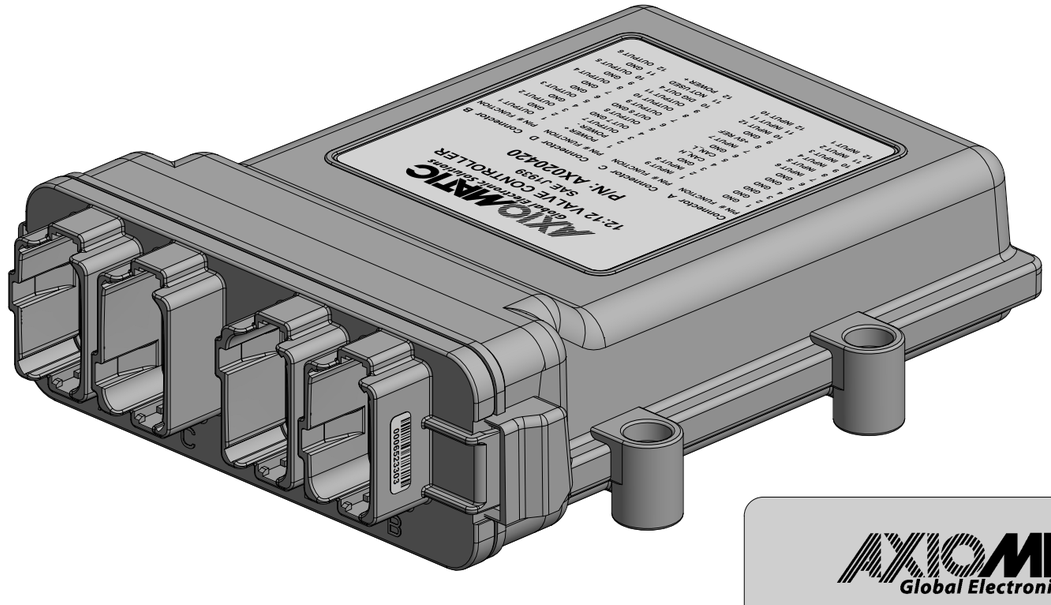
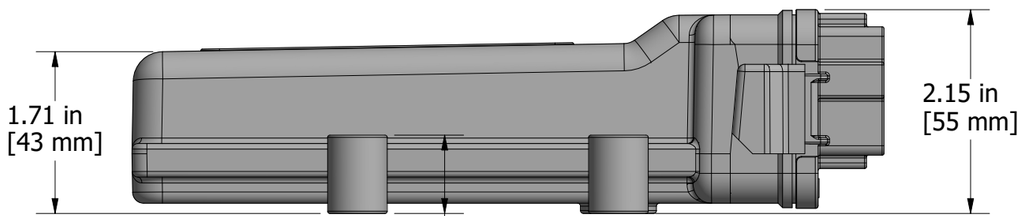
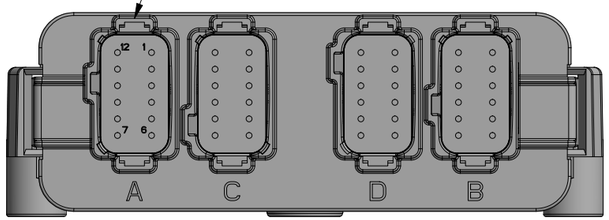
REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
P1-D1	PRODUCTION PILOT	August 21-2023	GDV
P1-D2	label pinout update	December 2-2023	GDV









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	PIN #	FUNCTION	PIN #	FUNCTION
1	GND	1	INPUT 9	1	POWER +	1	OUTPUT 1
2	GND	2	INPUT 8	2	POWER -	2	GND
3	GND	3	GND	3	OUTPUT 7	3	OUTPUT 2
4	GND	4	CAN_H	4	OUT 7 GND	4	GND
5	GND	5	CAN_L	5	OUTPUT 8	5	OUTPUT 3
6	GND	6	GND	6	OUT 8 GND	6	GND
7	INPUT 6	7	INPUT 7	7	OUTPUT 9	7	GND
8	INPUT 5	8	+5V REF	8	OUTPUT 10	8	OUTPUT 4
9	INPUT 4	9	GND	9	OUTPUT 11	9	GND
10	INPUT 3	10	INPUT 12	10	DIG OUT 4	10	OUTPUT 5
11	INPUT 2	11	INPUT 11	11	NOT USED	11	GND
12	INPUT 1	12	INPUT 10	12	POWER +	12	OUTPUT 6

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DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED IN DRAWING TOLERANCE ON: X.X ± 0.5 X. ± 1 ANGLES ± 1.0	MATERIAL: NA FINISH: NA THIRD ANGLE PROJECTION TOOL: INVENTOR SIZE: B	DRAWN: TF	DATE: 2023-08-21	TITLE: 12 Universal Input 12 Output Valve Controller, J1939	
		CHECKED: TF	DATE:	DWG REV: D2	DWG NO: AX020420-MD / PART REV: 1
		APPROVED: GDV	DATE:	SCALE: 0.75	PART NO: AX020420 / SHEET: 1 of 1