



**AXIOMATIC**  
Global Electronic Solutions

**BLDC Motor Controller**  
500 kbps SAE J1939

**P/N: AX100260-01**

Grey Receptacle		Black Receptacle	
CAN #	PIN #	CAN #	PIN #
CAN L	1	+5V REF	1
HALL_GND	2	Input 1	2
HALL_B	3	Input GND	3
HALL_5V	4	+5V REF	4
MOT_C	5	Input 2	5
BATT+	6	Input GND	6
BATT-	7	+5V REF	7
MOT_B	8	Input 3	8
MOT_A	9	Input GND	9
HALL_A	10	+5V REF	10
HALL_C	11	Input 4	11
CAN_H	12	Input GND	12

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**unit label detail**

black receptacle  
DTM04-12PB  
mates with DTM06-12SB

grey receptacle  
DTM04-12PA  
mates with DTM06-12SA

<p><b>TOLERANCES</b></p> <table border="1"> <thead> <tr> <th colspan="2">fabrication</th> <th colspan="2">machining</th> </tr> </thead> <tbody> <tr><td>X.XXX</td><td>+/- 0.015</td><td>X.XXX</td><td>+/- 0.005</td></tr> <tr><td>X.XX</td><td>+/- 0.031</td><td>X.XX</td><td>+/- 0.010</td></tr> <tr><td>X.X</td><td>+/- 0.031</td><td>X.X</td><td>+/- 0.015</td></tr> <tr><td>fractional</td><td>+/- 0.031</td><td>fractional</td><td>+/- 0.031</td></tr> </tbody> </table>		fabrication		machining		X.XXX	+/- 0.015	X.XXX	+/- 0.005	X.XX	+/- 0.031	X.XX	+/- 0.010	X.X	+/- 0.031	X.X	+/- 0.015	fractional	+/- 0.031	fractional	+/- 0.031	<p><b>MATERIAL</b></p> <p>PA66 glass fill housing with a silicone gasket</p>		<p><b>DRAWN</b></p> <p>TF</p>	<p><b>DATE</b></p> <p>2017-05-05</p>	<p><b>TITLE</b></p> <p>BLDC Motor Controller, 4 Inputs, J1939, 500 kbps</p>		
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<p><b>CHECKED</b></p> <p>DATE</p>		<p><b>DWG REV</b></p> <p>D1</p>		<p><b>DWG NO</b></p> <p>AX100260-01-MD</p>		<p><b>PART REV</b></p> <p>A</p>																						
<p><b>APPROVED</b></p> <p>DATE</p>		<p><b>SCALE</b></p> <p>full</p>		<p><b>PART NO</b></p> <p>AX100260-01</p>		<p><b>SHEET</b></p> <p>1 of 1</p>																						

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