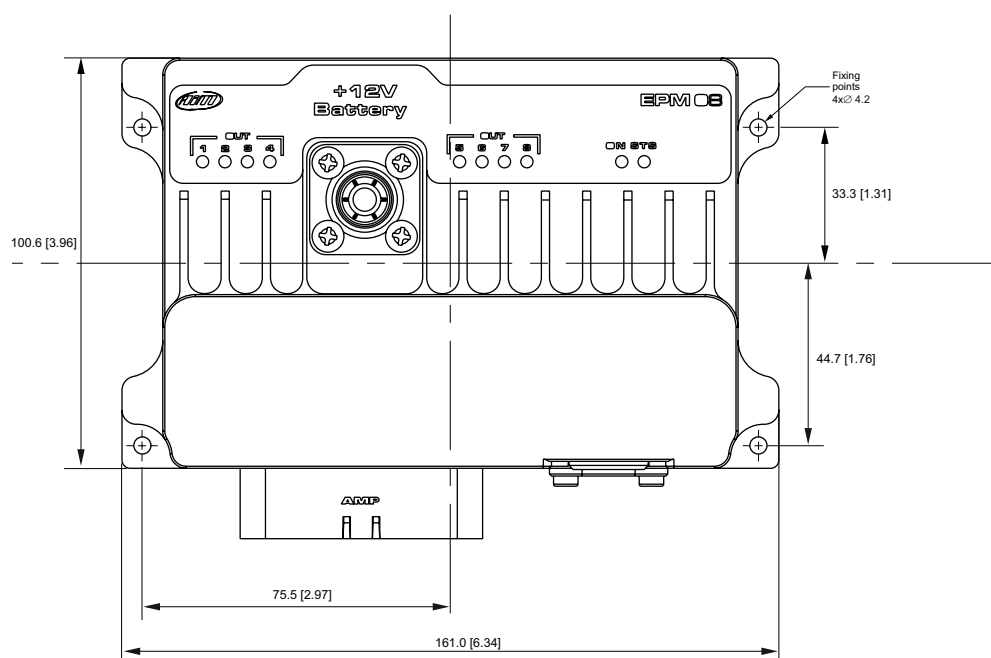
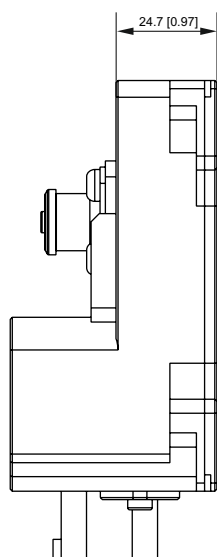
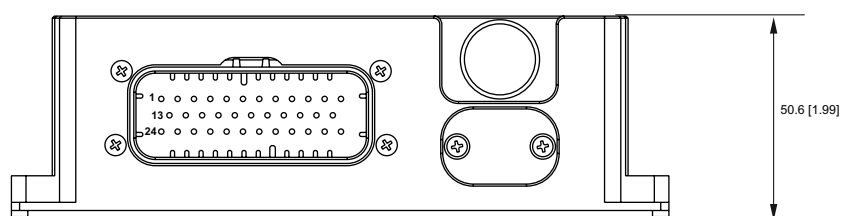




# AiM EPM08

## Expansion Power Module





# AiM EPM08

## Expansion Power Module

### Technical specifications

<b>LEDs</b>	8 RGB LEDs + 1 EPM ON + 1 EPM STS (Status)
<b>Inputs</b>	6 fully configurable analog inputs (0-5V;0-12V) recorded at max 500 Hz each digital inputs pullup/pulldown
<b>Power outputs</b>	1 with serie diode rated up to 20 A (high side) 1 rated up to 25 A (high side) 6 rated up to 15 A (high side) Protected for: over voltage, under voltage, short circuit, over current, over temperature All outputs have internal freewheeling diode Total max current: 100 A
<b>Connectors</b>	1 AMP connector + 1 Amphenol Surlok connector
<b>Body</b>	Anodized Aluminum
<b>Dimensions</b>	161x100.6x50.6 mm
<b>Weight</b>	370 g
<b>Waterproof</b>	IP65

### Part number

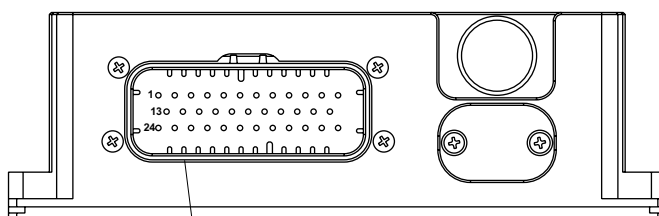
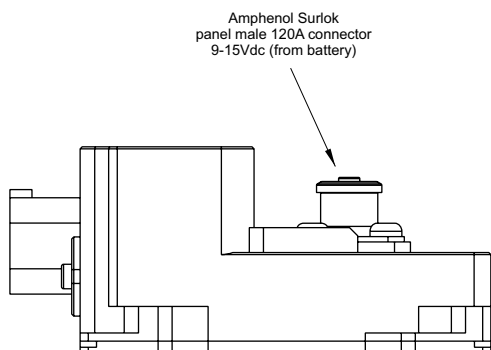
<b>XC1EPM0801</b>	EPM08
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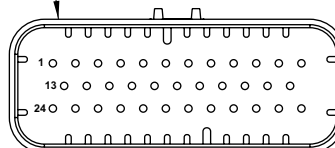
# AiM EPM08

## Expansion Power Module

### Pinout



35 Pins AMP panel male  
connector pinout  
external view



PIN	DESCRIPTION	PIN	DESCRIPTION
1	Power out 1	19	RESERVED
2	Power out 2	20	Channel Input 3
3	CAN AiM High	21	Channel input 4
4	Power out 3	22	+5VRef
5	RESERVED	23	Power out 8
6	Power out 4	24	LIN
7	Power out 5	25	IGN
8	Channel Input 1	26	RESERVED
9	Power out 6	27	GND
10	Channel Input 2	28	RESERVED
11	Power out 7	29	RESERVED
12	Power out 8	30	Channel Input 5
13	Power out 1	31	+5VRef
14	RESERVED	32	+VB out
15	CAN AiM Low	33	Channel Input 6
16	RESERVED	34	GND
17	GND	35	GND
18	RESERVED		

- Rated up 25A
- Rated up 20A with internal series diode