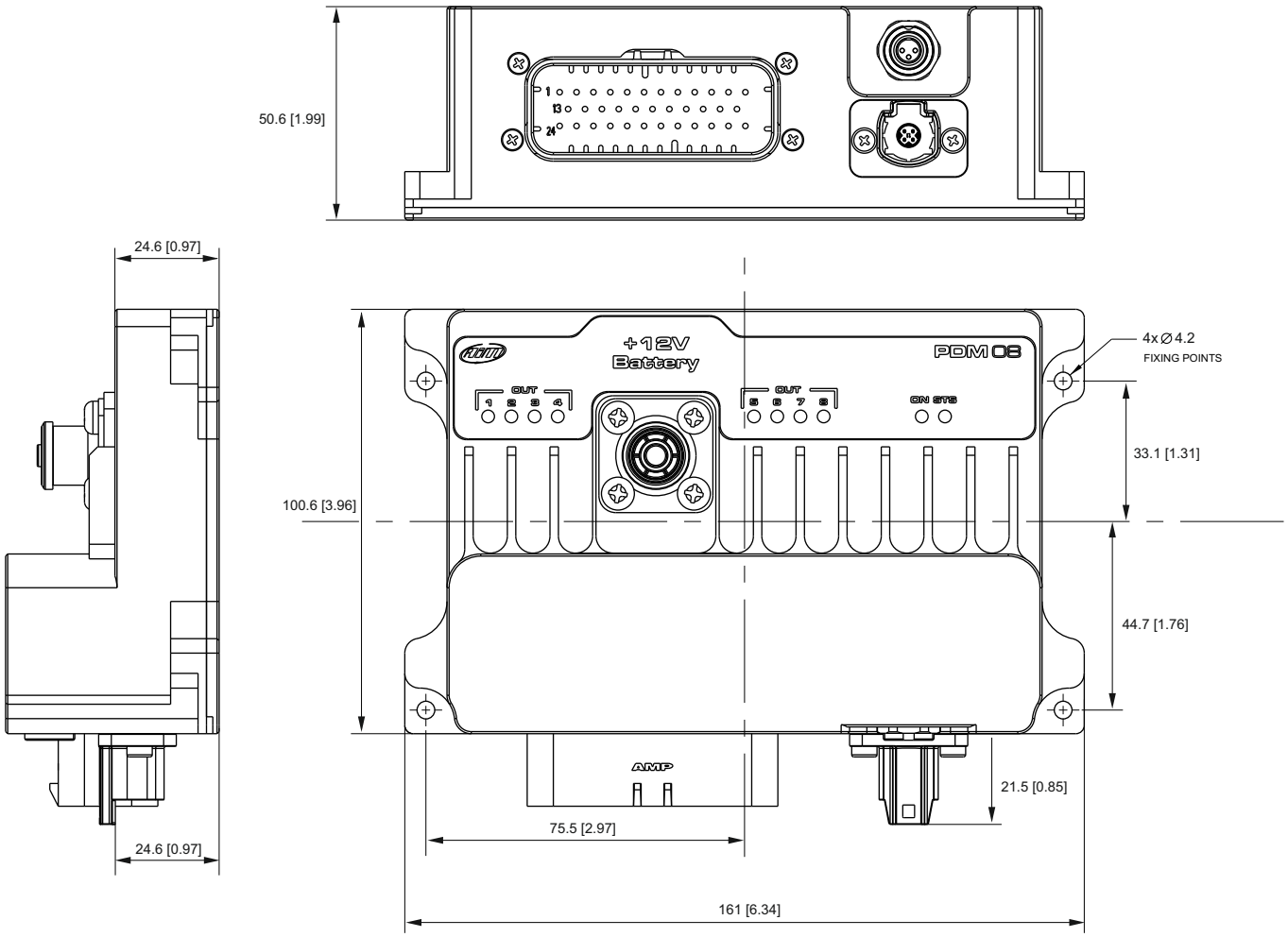
AiM PDM08

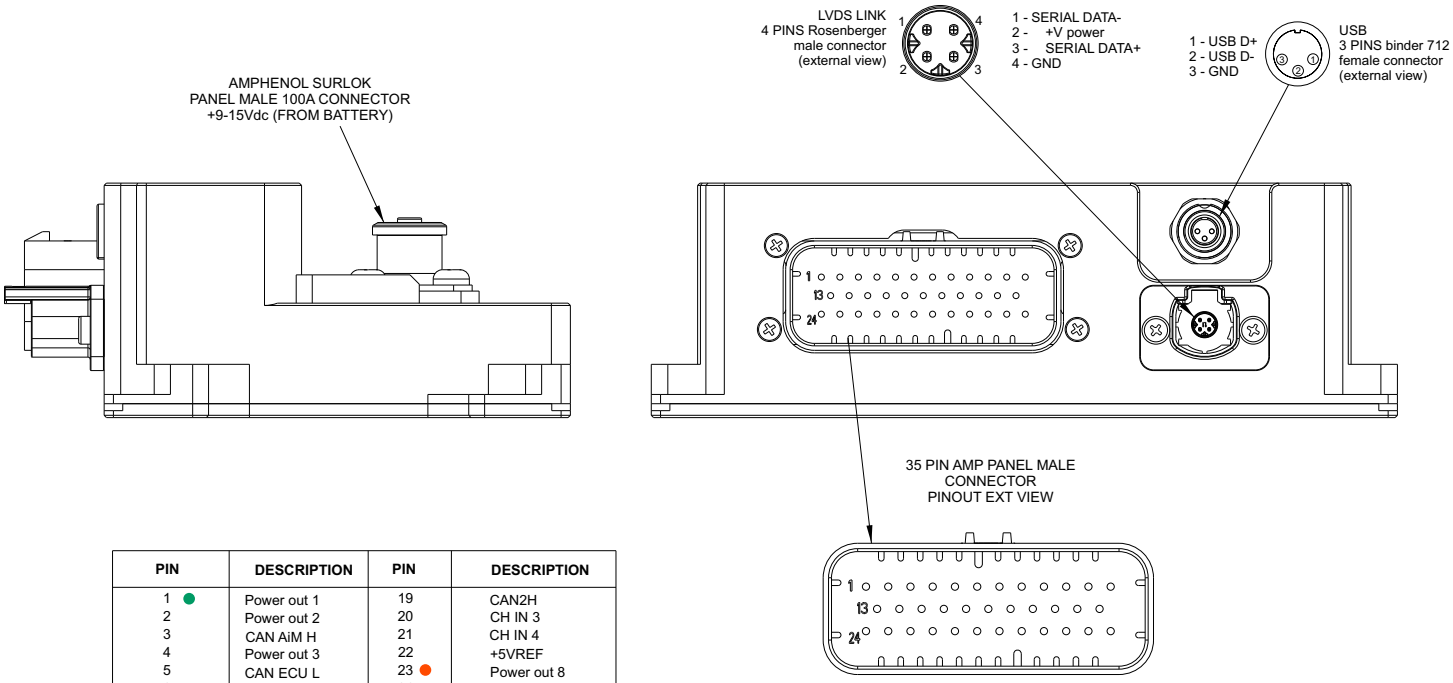
Power Distribution Module



Technical specifications

LEDs	8 RGB LEDs + 1 PDM ON + 1 PDM STS (Status)
Inputs	6 fully configurable, max 500 Hz each Pullup, Pulldown, analog/digital
Speed IN	2
Power outputs	1 with serie diode rated up to 20 A 1 rated up to 25 A 6 rated up to 15 A Protected for: over voltage, under voltage, over current, over temperature All outputs have internal freewheeling diode Total max current: 100 A
Power supply	9-15 V
Lin bus	1
CAN connections	3
Internal memory	4 GB
External modules	GPS09c, Channel Expansion, TC Hub, Lambda Controller, SmartyCam 3 Series, Formula Steering Wheel, Memory Module, K Keypads (or equivalent)
External Analog Camera input	NO
Connectors	1 AMP connector + 1 Amphenol Surlok connector + 1 Rosenberger connector
Remote display connection	1 AiM stream output
Body	Anodized Aluminum
Dimensions	161x100.6x50.6 mm
Weight	370 g
Waterproof	IP65

Pinout



PIN	DESCRIPTION	PIN	DESCRIPTION
1 ●	Power out 1	19	CAN2H
2	Power out 2	20	CH IN 3
3	CAN AiM H	21	CH IN 4
4	Power out 3	22	+5VREF
5	CAN ECU L	23 ●	Power out 8
6	Power out 4	24	LIN
7	Power out 5	25	IGN
8	CH IN 1	26	+VB out CAN
9	Power out 6	27	GND
10	CH IN 2	28	Speed 1 IN
11	Power out 7	29	Speed 2 IN
12 ●	Power out 8	30	CH IN 5
13 ●	Power out 1	31	+5VREF
14	+VB ext CAN	32	+VB out
15	CAN AiM L	33	CH IN 6
16	CAN ECU H	34	GND
17	GND	35	GND
18	CAN2L		

● Rated up 25A

● Rated up 20A with internal series diode

Part numbers

Kit PDM08 with GPS and display ❶

With Icons

XC1PDM08D10G050C2	PDM08 + GPS 50 cm + display 10" with icons
XC1PDM08D10G130C2	PDM08 + GPS 130 cm + display 10" with icons
XC1PDM08D10G200C2	PDM08 + GPS 200 cm + display 10" with icons
XC1PDM08D10G400C2	PDM08 + GPS 400 cm + display 10" with icons
XC1PDM08D10R200C2	PDM08 + GPS Roof 200 cm + display 10" with icons
XC1PDM08D10R400C2	PDM08 + GPS Roof 400 cm + display 10" with icons
XC1PDM08D06G050C2	PDM08 + GPS 50 cm + display 6" with icons
XC1PDM08D06G130C2	PDM08 + GPS 130 cm + display 6" with icons
XC1PDM08D06G200C2	PDM08 + GPS 200 cm + display 6" with icons
XC1PDM08D06G400C2	PDM08 + GPS 400 cm + display 6" with icons
XC1PDM08D06R200C2	PDM08 + GPS Roof 200 cm + display 6" with icons
XC1PDM08D06R400C2	PDM08 + GPS Roof 400 cm + display 6" with icons
XC1PDM08D05G050C2	PDM08 + GPS 50 cm + display 5" with icons
XC1PDM08D05G130C2	PDM08 + GPS 130 cm + display 5" with icons
XC1PDM08D05G200C2	PDM08 + GPS 200 cm + display 5" with icons
XC1PDM08D05G400C2	PDM08 + GPS 400 cm + display 5" with icons
XC1PDM08D05R200C2	PDM08 + GPS Roof 200 cm + display 5" with icons
XC1PDM08D05R400C2	PDM08 + GPS Roof 400 cm + display 5" with icons

Without Icons

XC1PDM08D10G050C2NI	PDM08 + GPS 50 cm + display 10" standard (no icons)
XC1PDM08D10G130C2NI	PDM08 + GPS 130 cm + display 10" standard (no icons)
XC1PDM08D10G200C2NI	PDM08 + GPS 200 cm + display 10" standard (no icons)
XC1PDM08D10G400C2NI	PDM08 + GPS 400 cm + display 10" standard (no icons)
XC1PDM08D10R200C2NI	PDM08 + GPS Roof 200 cm + display 10" standard (no icons)
XC1PDM08D10R400C2NI	PDM08 + GPS Roof 400 cm + display 10" standard (no icons)
XC1PDM08D06G050C2NI	PDM08 + GPS 50 cm + display 6" standard (no icons)
XC1PDM08D06G130C2NI	PDM08 + GPS 130 cm + display 6" standard (no icons)
XC1PDM08D06G200C2NI	PDM08 + GPS 200 cm + display 6" standard (no icons)
XC1PDM08D06G400C2NI	PDM08 + GPS 400 cm + display 6" standard (no icons)
XC1PDM08D06R200C2NI	PDM08 + GPS Roof 200 cm + display 6" standard (no icons)
XC1PDM08D06R400C2NI	PDM08 + GPS Roof 400 cm + display 6" standard (no icons)

Part numbers

XC1PDM08D05G050C2NI	PDM08 + GPS 50 cm + display 5" standard (no icons)
XC1PDM08D05G130C2NI	PDM08 + GPS 130 cm + display 5" standard (no icons)
XC1PDM08D05G200C2NI	PDM08 + GPS 200 cm + display 5" standard (no icons)
XC1PDM08D05G400C2NI	PDM08 + GPS 400 cm + display 5" standard (no icons)
XC1PDM08D05R200C2NI	PDM08 + GPS Roof 200 cm + display 5" standard (no icons)
XC1PDM08D05R400C2NI	PDM08 + GPS Roof 400 cm + display 5" standard (no icons)

Kit PDM08 with GPS (no display) ❷

XC1PDM0801G050	PDM08 with GPS 50 cm
XC1PDM0801G130	PDM08 with GPS 130 cm
XC1PDM0801G200	PDM08 with GPS 200 cm
XC1PDM0801G400	PDM08 with GPS 400 cm
XC1PDM0801R200	PDM08 with GPS Roof 200 cm
XC1PDM0801R400	PDM08 with GPS Roof 400 cm

Kit PDM08 (no GPS and no display) ❸

XC1PDM0801	PDM08

PDM displays

XC1D10000	Dash 10" Icons
XC1D10000NI	Dash 10" No Icons
XC1D06000	Dash 6" Icons
XC1D06000NI	Dash 6" No Icons
XC1D05000	Dash 5" Icons
XC1D05000NI	Dash 5" No Icons

Spare parts

FCCA691500	LVDS cable for PDM08 150 cm
FCCA692000	LVDS cable for PDM08 200 cm
FCCA694000	LVDS cable for PDM08 400 cm
5CNM010000	Heavy Duty Amphenol Power connector
5CND7761641	35 pins AMP black connector shell
5CT07705203	Gold plated pin for AMP (single pin)
V02563030	Cable 3M712 USB 250 cm
V02579030	CAN Exp female Binder cable 150 cm

Part numbers

❶ Kit PDM08 with GPS and display

Quantity	Description	Part number		
N. 1	PDM08 Module	**XC1PDM0801**		
		5CND7761641	N. 1 35 pins AMP black connector shell	
		5CT07705203	N. 35 Gold plated pins for AMP (Part number referred to the single pin)	
N. 1	Display	**XC1D10000**	Dash 10" Icons	
		XC1D10000NI	Dash 10" No Icons	
		XC1D06000	Dash 6" Icons	
		XC1D06000NI	Dash 6" No Icons	
		XC1D05000	Dash 5" Icons	
		XC1D05000NI	Dash 5" No Icons	
N. 1	GPS	**X40GPS090050**	GPS 50 cm	
		X40GPS090130	GPS 130 cm	
		X40GPS090200	GPS 200 cm	
		X40GPS090400	GPS 400 cm	
		X40GPS09R200	GPS Roof 200 cm	
		X40GPS09R400	GPS Roof 400 cm	
N. 1	LVDS cable for PDM08 200 cm	**FCCA692000**		
N. 1	Heavy Duty Amphenol Power connector	**5CNM010000**		
N. 1	Cable 3M712 USB 250 cm	**V02563030**		
N. 1	CAN Exp female Binder cable 150 cm	**V02579030**		

Part numbers

❷ Kit PDM08 with GPS (no display)

Quantity	Description	Part number		
N. 1	PDM08 Module	**XC1PDM0801**		
		5CND7761641	N. 1 35 pins AMP black connector shell	
		5CT07705203	N. 35 Gold plated pins for AMP (Part number referred to the single pin)	
N. 1	GPS	**X40GPS090050**	GPS 50 cm	
		X40GPS090130	GPS 130 cm	
		X40GPS090200	GPS 200 cm	
		X40GPS090400	GPS 400 cm	
		X40GPS09R200	GPS Roof 200 cm	
		X40GPS09R400	GPS Roof 400 cm	
N. 1	LVDS cable for PDM08 200 cm	**FCCA692000**		
N. 1	Heavy Duty Amphenol Power connector	**5CNM010000**		
N. 1	Cable 3M712 USB 250 cm	**V02563030**		
N. 1	CAN Exp female Binder cable 150 cm	**V02579030**		

Part numbers

❸ Kit PDM08 (no GPS and no display)

Quantity	Description	Part number		
N. 1	PDM08 Module	**XC1PDM0801**		
		5CND7761641	N. 1 35 pins AMP black connector shell	
		5CT07705203	N. 35 Gold plated pins for AMP (Part number referred to the single pin)	
N. 1	LVDS cable for PDM08 200 cm	**FCCA692000**		
N. 1	Heavy Duty Amphenol Power connector	**5CNM010000**		
N. 1	Cable 3M712 USB 250 cm	**V02563030**		
N. 1	CAN Exp female Binder cable 150 cm	**V02579030**		