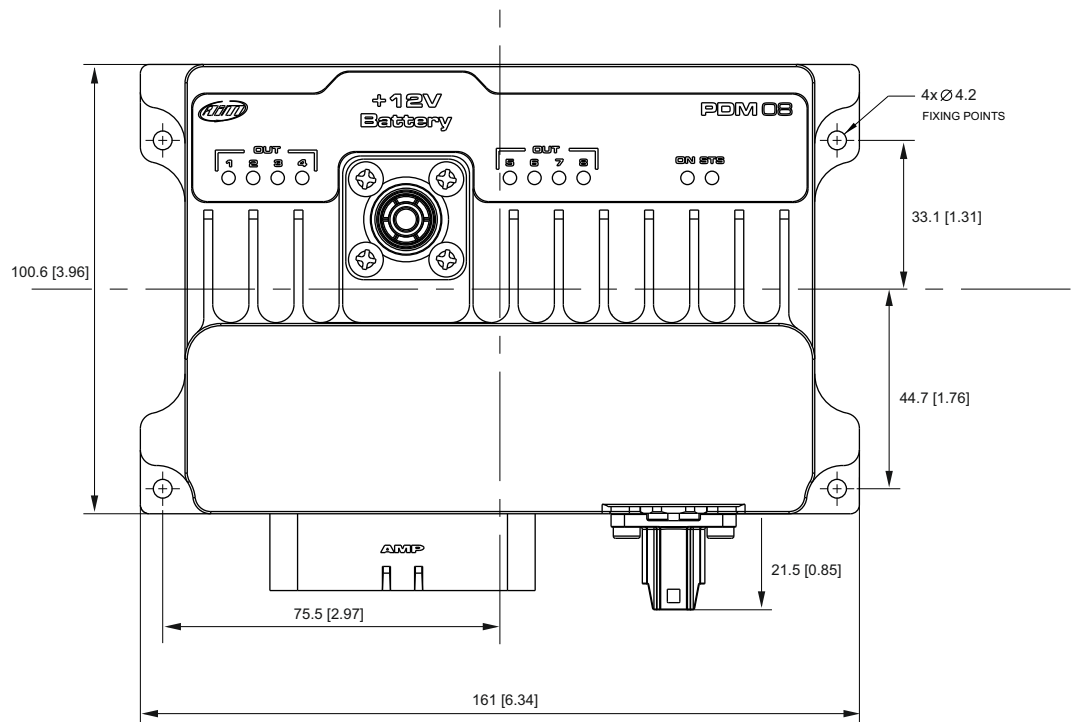
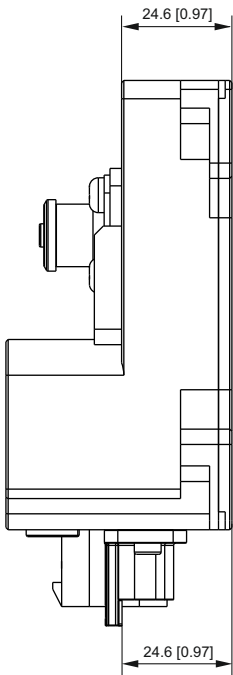
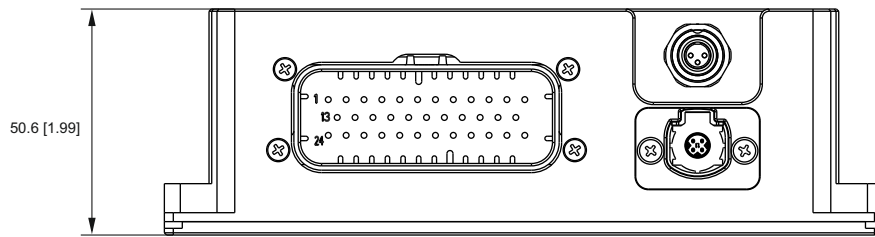




AiM PDM08

Power Distribution Module





AiM PDM08

Power Distribution Module

Technical specifications

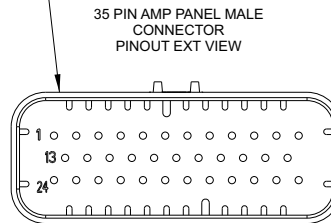
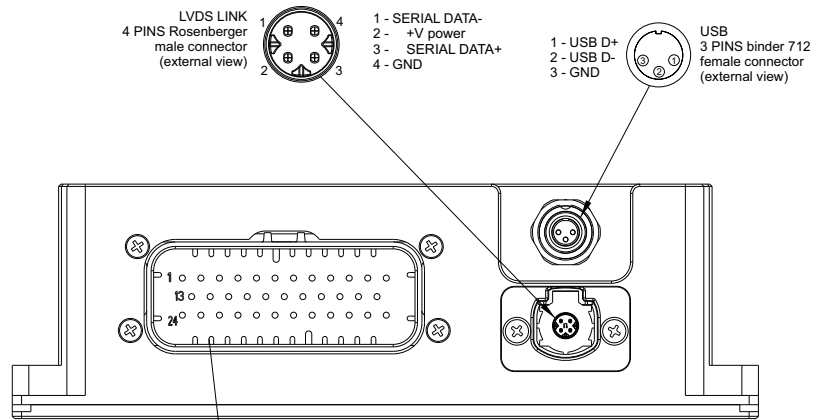
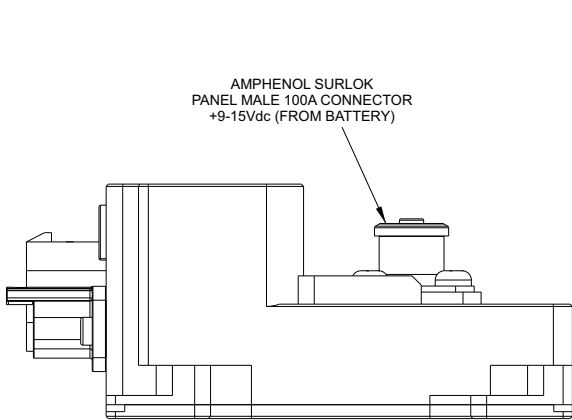
| | |
|-------------------------------------|---|
| LEDs | 8 RGB LEDs + 1 PDM ON + 1 PDM STS (Status) |
| Inputs | 6 fully configurable, max 500 Hz each Pullup, Pulldown, analog/digital |
| Speed IN | 2 |
| Power outputs | 1 with serie diode rated up to 20 A 1 rated up to 25 A 6 rated up to 15 A Protected for: over voltage, under voltage, over current, over temperature All outputs have internal freewheeling diode Total max current: 100 A |
| 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, K8 Keypad (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 |



AiM PDM08

Power Distribution Module

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



AiM PDM08

Power Distribution Module

Part numbers

Kit PDM08 ①

With Icons

| | |
|--------------------------|-----------------------------------|
| XC1PDM08D10G050C2 | PDM08 D 10" Icons GPS 50 cm |
| XC1PDM08D10G130C2 | PDM08 D 10" Icons GPS 130 cm |
| XC1PDM08D10G200C2 | PDM08 D 10" Icons GPS 200 cm |
| XC1PDM08D10G400C2 | PDM08 D 10" Icons GPS 400 cm |
| XC1PDM08D10R200C2 | PDM08 D 10" Icons GPS Roof 200 cm |
| XC1PDM08D10R400C2 | PDM08 D 10" Icons GPS Roof 400 cm |

| | |
|--------------------------|----------------------------------|
| XC1PDM08D06G050C2 | PDM08 D 6" Icons GPS 50 cm |
| XC1PDM08D06G130C2 | PDM08 D 6" Icons GPS 130 cm |
| XC1PDM08D06G200C2 | PDM08 D 6" Icons GPS 200 cm |
| XC1PDM08D06G400C2 | PDM08 D 6" Icons GPS 400 cm |
| XC1PDM08D06R200C2 | PDM08 D 6" Icons GPS Roof 200 cm |
| XC1PDM08D06R400C2 | PDM08 D 6" Icons GPS Roof 400 cm |

| | |
|--------------------------|----------------------------------|
| XC1PDM08D05G050C2 | PDM08 D 5" Icons GPS 50 cm |
| XC1PDM08D05G130C2 | PDM08 D 5" Icons GPS 130 cm |
| XC1PDM08D05G200C2 | PDM08 D 5" Icons GPS 200 cm |
| XC1PDM08D05G400C2 | PDM08 D 5" Icons GPS 400 cm |
| XC1PDM08D05R200C2 | PDM08 D 5" Icons GPS Roof 200 cm |
| XC1PDM08D05R400C2 | PDM08 D 5" Icons GPS Roof 400 cm |

Without Icons

| | |
|----------------------------|--------------------------------------|
| XC1PDM08D10G050C2NI | PDM08 D 10" No Icons GPS 50 cm |
| XC1PDM08D10G130C2NI | PDM08 D 10" No Icons GPS 130 cm |
| XC1PDM08D10G200C2NI | PDM08 D 10" No Icons GPS 200 cm |
| XC1PDM08D10G400C2NI | PDM08 D 10" No Icons GPS 400 cm |
| XC1PDM08D10R200C2NI | PDM08 D 10" No Icons GPS Roof 200 cm |
| XC1PDM08D10R400C2NI | PDM08 D 10" No Icons GPS Roof 400 cm |

| | |
|----------------------------|-------------------------------------|
| XC1PDM08D06G050C2NI | PDM08 D 6" No Icons GPS 50 cm |
| XC1PDM08D06G130C2NI | PDM08 D 6" No Icons GPS 130 cm |
| XC1PDM08D06G200C2NI | PDM08 D 6" No Icons GPS 200 cm |
| XC1PDM08D06G400C2NI | PDM08 D 6" No Icons GPS 400 cm |
| XC1PDM08D06R200C2NI | PDM08 D 6" No Icons GPS Roof 200 cm |
| XC1PDM08D06R400C2NI | PDM08 D 6" No Icons GPS Roof 400 cm |



AiM PDM08

Power Distribution Module

Part numbers

| | |
|----------------------------|-------------------------------------|
| XC1PDM08D05G050C2NI | PDM08 D 5" No Icons GPS 50 cm |
| XC1PDM08D05G130C2NI | PDM08 D 5" No Icons GPS 130 cm |
| XC1PDM08D05G200C2NI | PDM08 D 5" No Icons GPS 200 cm |
| XC1PDM08D05G400C2NI | PDM08 D 5" No Icons GPS 400 cm |
| XC1PDM08D05R200C2NI | PDM08 D 5" No Icons GPS Roof 200 cm |
| XC1PDM08D05R400C2NI | PDM08 D 5" No Icons GPS Roof 400 cm |

PDM08 with GPS and LVDS cable. No display ②

| | |
|-----------------------|--|
| XC1PDM0801G050 | PDM08 with display connector + GPS 50 cm |
| XC1PDM0801G130 | PDM08 with display connector + GPS 130 cm |
| XC1PDM0801G200 | PDM08 with display connector + GPS 200 cm |
| XC1PDM0801G400 | PDM08 with display connector + GPS 400 cm |
| XC1PDM0801R200 | PDM08 with display connector + GPS Roof 200 cm |
| XC1PDM0801R400 | PDM08 with display connector + GPS Roof 400 cm |

PDM08 with LVDS cable. No GPS and no display ③

| | |
|-------------------|---|
| XC1PDM0801 | PDM08 with display connector and LVDS Cable |
|-------------------|---|

LVDS Cable for PDM08

| | |
|-------------------|--------------------------|
| FCCA692000 | LVDS Cable for PDM08 2 m |
|-------------------|--------------------------|

PDM dashes

| | |
|--------------------|-------------------|
| 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 |















AiM PDM08

Power Distribution Module

Part numbers

1 Kit PDM08

| 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 2 m | FCCA692000 |  |
| N. 1 | Heavy Duty Amphenol Power connector | 5CNM010000 |  |
| N. 1 | USB cable | V02563030 |  |
| N. 1 | CAN Exp female Binder cable 1.5 m | V02579030 |  |












AiM PDM08

Power Distribution Module

Part numbers

2 PDM08 with GPS and LVDS cable. 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 2 m | FCCA692000 | |  |
| N. 1 | Heavy Duty Amphenol Power connector | 5CNM010000 | |  |
| N. 1 | USB cable | V02563030 | |  |
| N. 1 | CAN Exp female Binder cable 1.5 m | V02579030 | |  |










AiM PDM08

Power Distribution Module

Part numbers

③ PDM08 with LVDS cable. 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 2 m | FCCA692000 |  |
| N. 1 | Heavy Duty Amphenol Power connector | 5CNM010000 |  |
| N. 1 | USB cable | V02563030 |  |
| N. 1 | CAN Exp female Binder cable 1.5 m | V02579030 |  |