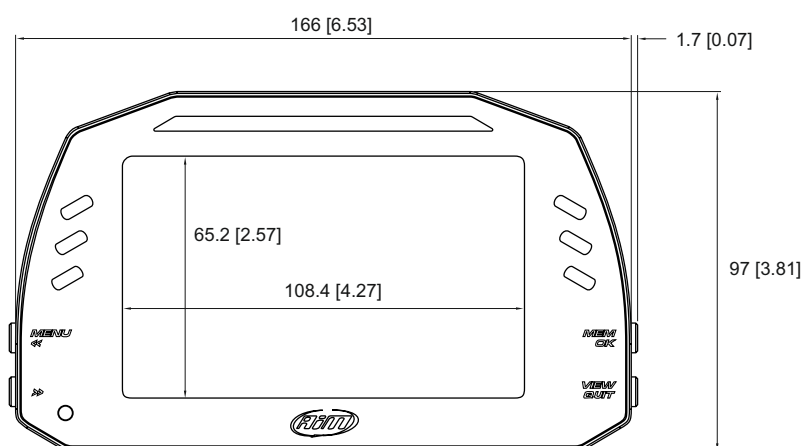




AiM MXsl

Dash controller

Technical specifications

Display	5" TFT
Resolution	800x480 pixels
Contrast	600:1
Brightness	700cd/m2 - 1,100 Lumen
Ambient light sensor	Yes
Alarm LEDs	6 configurable RGB LEDs
Shift Lights	10 configurable RGB LEDs
CAN connections	3
ECU connections	CAN, RS232 or K-Line to 1,000+ industry leading ECUs
External modules	GPS09c, Channel Expansion, TC Hub, Lambda Controller, SmartyCam 3
Inputs	8 fully configurable: analog, digital, pull up/down on/off - Max 1,000 Hz each
Speed input	1
RPM input	1
Digital outputs Low Side	2 (1 A max)
Digital outputs High Side	■ 10 protected (overcurrent, short circuit to gnd and to battery, overtemperature, open load detection, current fuse programmable) ■ Eight 5 A outputs, two 15 A outputs ■ Current sense ■ Output pwm capable (100 Hz to 400 Hz)
Body	Anodized Aluminum
Pushbuttons	Metallic
Connectors	2 AMP connectors + 1 Binder connector
Dimensions	169.4x97x23 mm
Weight	480 g
Power consumption	400 mA without power output lines active
Waterproof	IP65

Part number

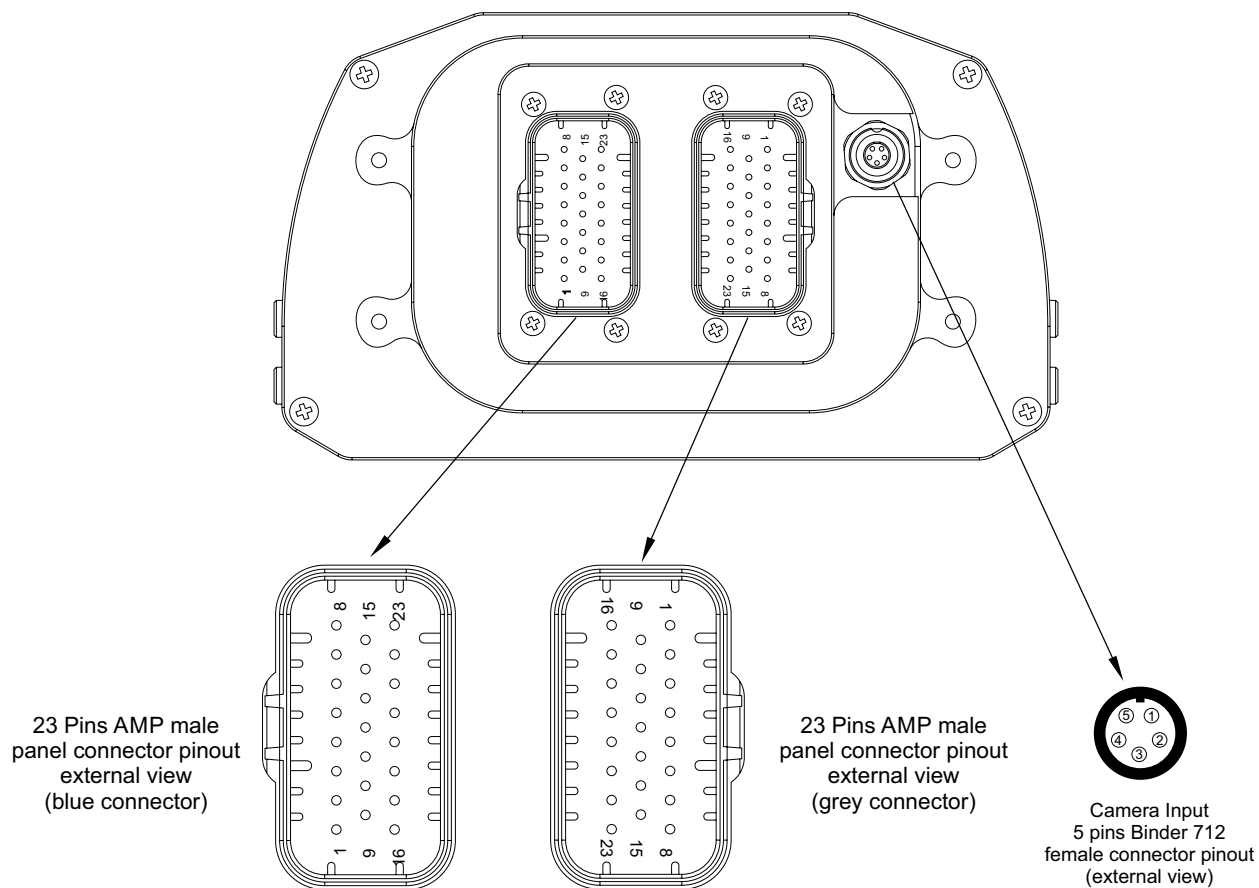
X21MXSLI0000	MXsl without wirings
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AiM MXsl

Dash controller

Pinout



Pin	23 pins AMP connector (blue)
1	5 A High side output 1*
2	5 A High side output 2*
3	5 A High side output 3*
4	5 A High side output 4*
5	5 A High side output 5*
6	5 A High side output 6*
7	5 A High side output 7*
8	5 A High side output 8*
9	ECU K-Line
10	Ground
11	CAN+ Exp
12	CAN- Exp
13	USB Ground
14	USB D+
15	USB D-
16	9-15 V Power input
17	9-15 V Power input
18	Battery Ground
19	+Vb out CAN
20	+Vb ext CAN
21	CAN 1-/ECU RS232RX
22	CAN1+/ECU RS232TX
23	RPM

Pin	23 pins AMP connector (grey)
1	Analog GND
2	Analog/digital input 2
3	Analog/digital input 5
4	Analog/digital input 8
5	Ignition
6	Low side output 1
7	Low side output 2
8	15 A High side output 9*
9	Vreference
10	Analog/digital input 3
11	Analog/digital input 6
12	Ground
13	LIN
14	Speed
15	15 A High side output 10*
16	Analog/digital input 1
17	Analog/digital input 4
18	Analog/digital input 7
19	CAN2+
20	CAN2-
21	+Vb output
22	9-15V Power input
23	9-15V Power input

Pin	5 Pins Binder 712 female connector
1	Video input 1
2	Ground
3	+Vb output Camera
4	Ground
5	Video input 2

* MAX TOTAL continuous output current 50 A.



AiM MXsI

Dash controller

Example connection

