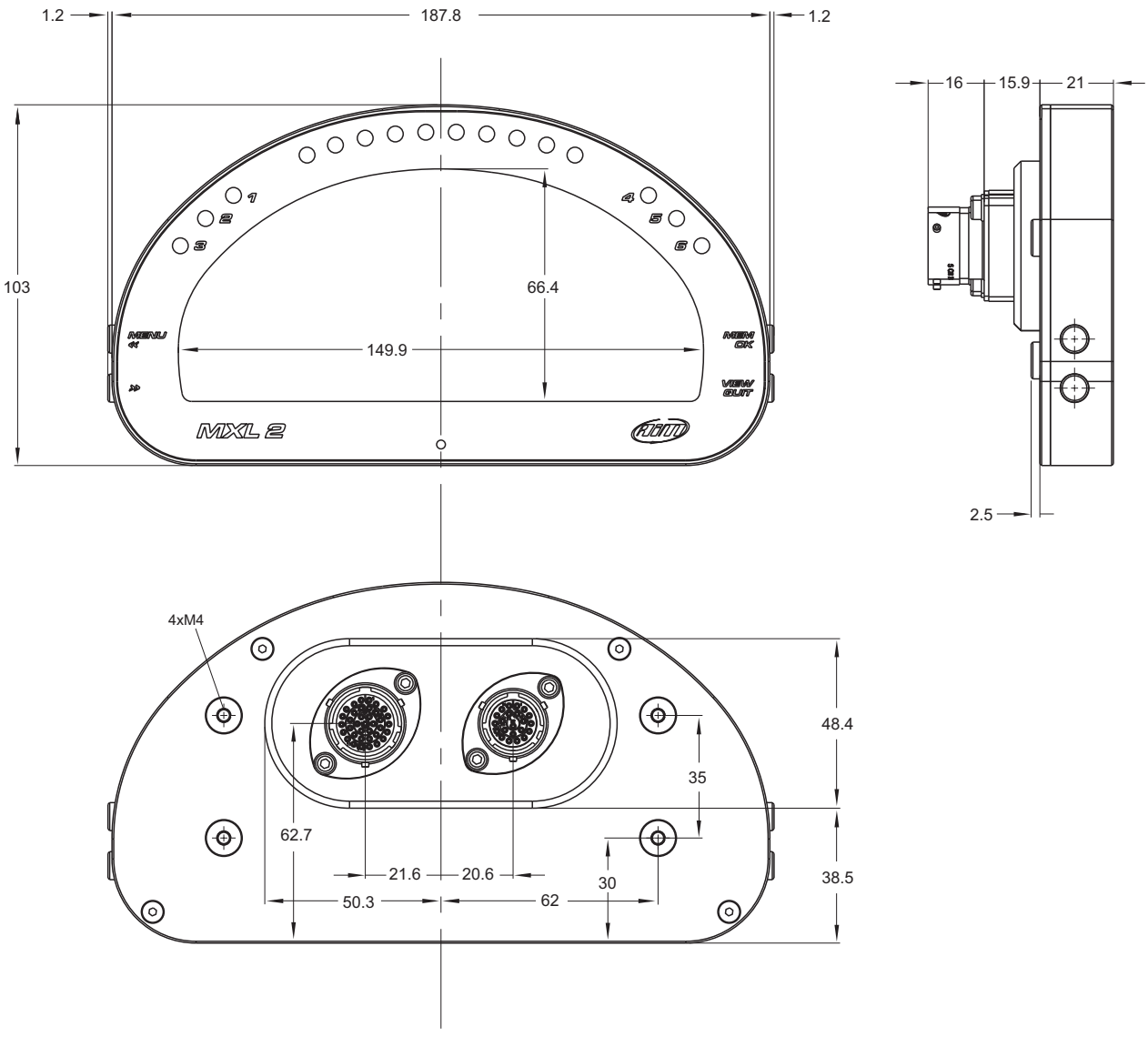

MENU
MEM OK
VIEW QUIT
rpm 0
LAP 3
RoLT 1.26.9
2.06.38
95 mph
5 GEAR
Speed 169
Dist 5.8
RunnT 0:36.1
ForeT 1:16.02
MXL 2


1.2
187.8
1.2
103
66.4
149.9
MXL 2
16
15.9
21
2.5
4xM4
48.4
35
62.7
21.6
20.6
30
38.5
50.3
62

Technical specifications

Display	LCD display + graphical portion
Backlight	White or red
Ambient light sensor	Yes
Alarm LEDs	6 configurable RGB LEDs
Shift Lights	10 configurable RGB LEDs
CAN connections	3
ECU connection	CAN, RS232 or K-Line to 1,000+ industry leading ECUs
External modules	GPS Module, Channel Expansion, Thermocouple Expansion, Lambda Controller, SmartyCam HD
Analog inputs	8 fully configurable, max 1,000 Hz each
Digital inputs	4 Speed inputs, lap signal, coil RPM input
Digital outputs	2 (1 Amp max each)
Second CAN	Yes
WiFi connection	Yes
Inertial platform	Internal 3 axis ±5G accelerometer + 3 axis gyro
Internal memory	4 GB
Body	Anodized Aluminum
Pushbuttons	Metallic
Connectors	2 Motorsport connectors
Dimensions	187.8x103x21 mm
Weight	530 g
Power consumption	400 mA
Waterproof	IP65

In the box

MXL2, GPS Module with cable, USB cable, 37 pins standard harness, Race Studio 3 software

Part numbers

X18MXL2GPS130	MXL2 + GPS Module with 1.30 m cable length
X18MXL2GPS400	MXL2 + GPS Module with 4.00 m cable length

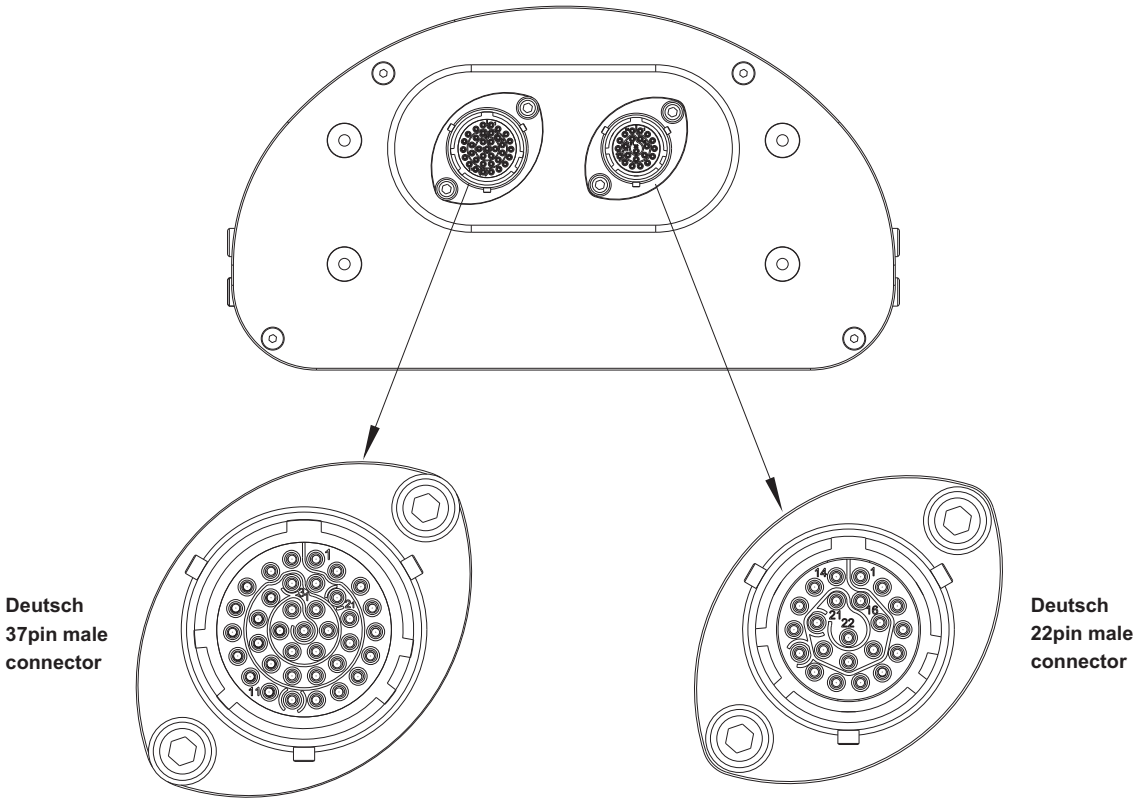
Spare parts

V02573010	37 pins standard harness
X40GPS5B130	GPS Module with 1.30 m cable length
X40GPS5B400	GPS Module with 4.00 m cable length
V02573030	USB adapter
X90TMPC002	USB cable

Optionals

V02573020	22 pins harness
V02573080	22 pins harness with 1 thermocouple
V02573160	22 pins harness with 2 thermocouples
V02573040	37 pins harness with 1 thermocouple
V02573050	37 pins harness with 2 thermocouples
5CN822F00	22 pin female Deutsch connector
5CN837F00	37 pin female Deutsch connector

Pinout



37 pins Deutsch connector pin	Pin function
1	9-15V Power input
2	Battery GND
3	CAN+ Exp
4	GND
5	+Vbattery CAN
6	CAN- Exp
7	+Vbext
8	CAN1+ ECU
9	CAN1- ECU
10	K-Line GND
11	K-Line ECU
12	USB D+
13	USB D-
14	GND
15	RPM
16	GND
17	+Vbattery
18	Optical Lap
19	Speed
20	GND
21	+Vbattery
22	Analog Input 1
23	Analog GND
24	+Vbattery
25	+Vreference
26	Analog Input 2
27	Analog GND
28	+Vbattery
29	+Vreference
30	Analog Input 3
31	Analog GND
32	+Vbattery
33	+Vreference
34	Analog Input 4
35	Analog GND
36	+Vbattery
37	+Vreference

22 pins Deutsch connector pin	Pin function
1	Analog Input 5
2	Analog GND
3	+Vbattery
4	+Vreference
5	Analog Input 6
6	Analog Input 7
7	Analog GND
8	+Vbattery
9	+Vreference
10	Analog Input 8
11	Speed 2
12	GND
13	+Vbattery
14	Speed3
15	Speed4
16	GND
17	CAN2+ ECU
18	CAN2- ECU
19	Digital output 1
20	Digital output 2
21	RS232TX
22	RS232RX

Product history

Rev	From serial number	Date	Changes
Rev05	**4302570**	May, 24th 2017	▪ **PXL20F**: connectors interface board new ▪ Compatible with MXL-20F for correct reading battery voltage value
Rev04	**4302565**	May, 15th 2017	▪ **MXL20F**: main board ▪ Added correct reading battery voltage value ▪ **PXL20E**: connectors interface board ▪ HW modified to work with MXL-20F
Rev03	**4302475**	Apr, 19th 2017	▪ **MXL20F**: main board ▪ HW modified for correct reading battery voltage value ▪ **PXL20E**: connectors interface board ▪ HW modified to work with MXL-20E modified
Rev02	**4302210**	Jan, 26th 2017	▪ **MXL20E**: ▪ New buffer battery for RTC (real time clock) ▪ Wi-Fi module mounted directly on board , before was mounted on adapter board (WFA01)
Rev01	**4302189**	Nov, 25th 2016	▪ **PXL20E**: connectors interface board ▪ Added anti crank power stage ▪ Added overvoltage protections on analog inputs ▪ **Back mechanical part 05.573.08 rev1**, necessary because the new board PLX20E has bigger components