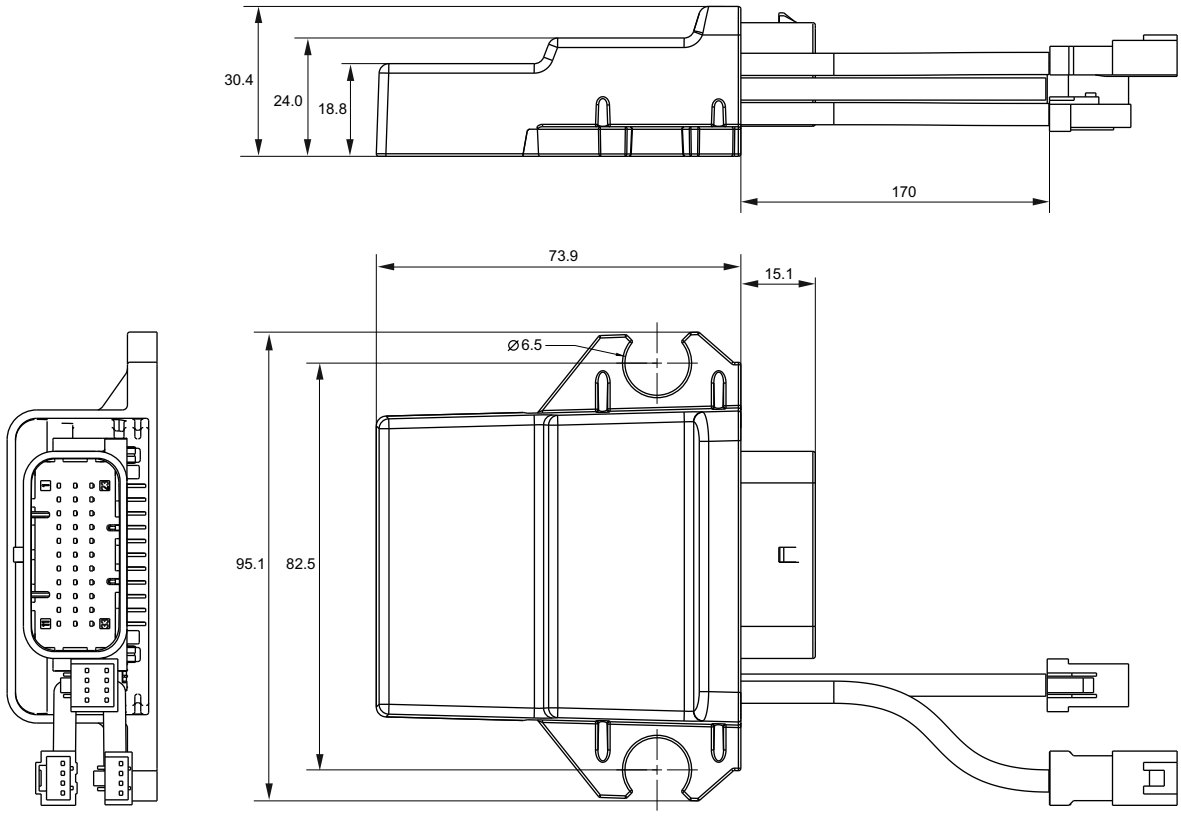
TAIPAN
aim-sportline.com


30.4
24.0
18.8
170
73.9
15.1
Ø6.5
95.1
82.5

Technical specifications

Plug 'n play ECU for :

AiM ECU Taipan Y
Compatible models

Bikes				
Brand	**Type**	**Race**	**From Year**	**To Year**
YAMAHA	YZ 250 F	Cross	2019	2023
	YZ 450 F	Cross	2019	2022

Additional characteristics to the stock ECU:

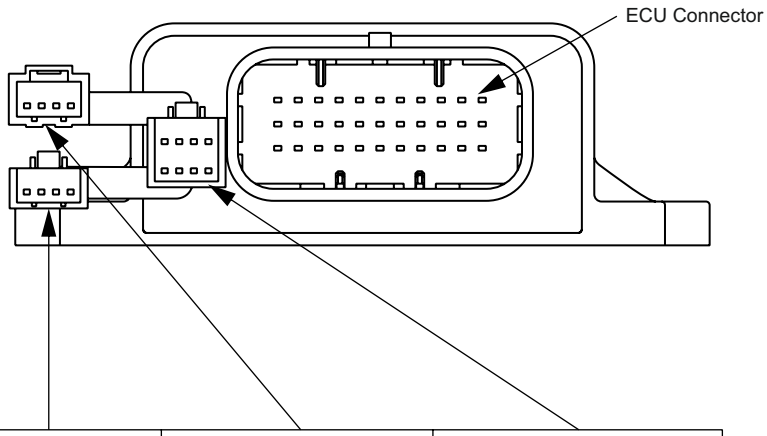
- Two 0-5V analog inputs sampled @ 1,000 Hz each, could be alternatively used as switch to ground
- Second injector driver for high impedance saturated injectors (12Ω)
- One low side driver (1A)
- Two CAN bus, one for calibration purposes, one for expansions (AiM handlebar switch, dataloggers, dash ecc.)
- Three JST JWPF waterproof auxiliary connector
- Power consumption 150 mA

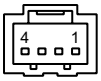
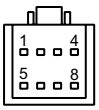
- Connectors: n.1 JST 04T-JWPF-VSLE-S Connector
  n.1 JST 08R-JWPF-VSLE-D Connector
  n.1 JST 04R-JWPF-VSLE-S Connector
  n.1 33 pin male Connector
- Body: PA6 + 30% glass fiber
- Dimensions: 73.9x95.1x30.4 mm
- Waterproof: IP67
- Weight: 230 g

Part numbers (ECU Taipan Y & accessories)

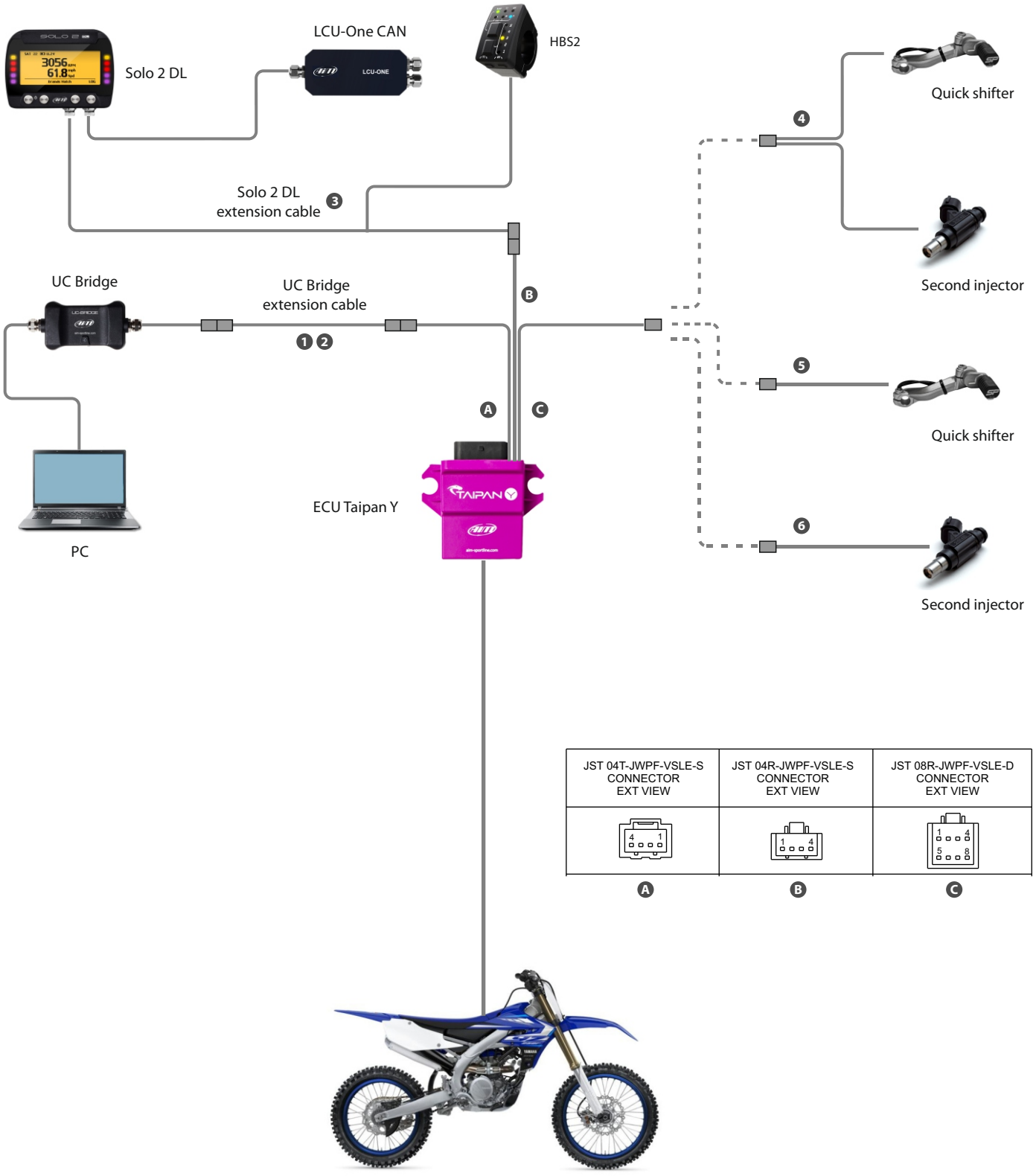
XE1ECUCB1	ECU Taipan Y
XE1HBS200	HBS2 (Handle Bar Switch 2)
X08CANBTM00	CAN-BT Module + ECU AiM Harness 40 cm
XE1UCB000	UC Bridge
XE1UCBT00	UC Bridge Tuner
XE1ECUHBS201	Kit ECU Taipan Y + HBS2
XE1ECUHBS2UCB1	Kit ECU Taipan Y + HBS2 + UC Bridge

Pinout



JST 04R-JWPF-VSLE-S connector external view	JST 04T-JWPF-VSLE-S connector external view	JST 08R-JWPF-VSLE-D connector external view
		
1 - GND 2 - CAN Exp. High 3 - CAN Exp. Low 4 - 12V out (switched)	1 - GND 2 - CAN CAL High 3 - CAN CAL Low 4 - 12V in	1 - 12V second inj 2 - Low Side second inj 3 - Low side 4 - GND 5 - Analog input 1 6 - Analog input 2 7 - Vref 8 - DNC

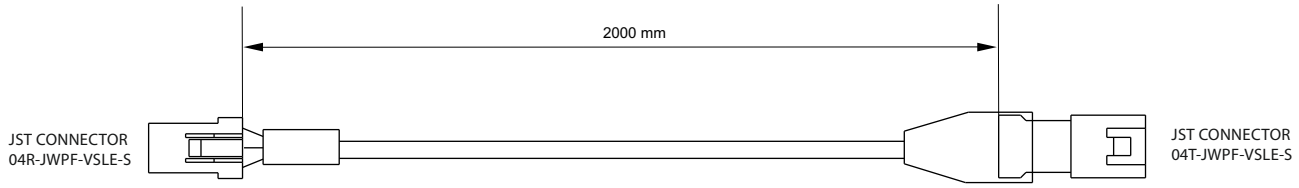
Functional diagram



Optional cables

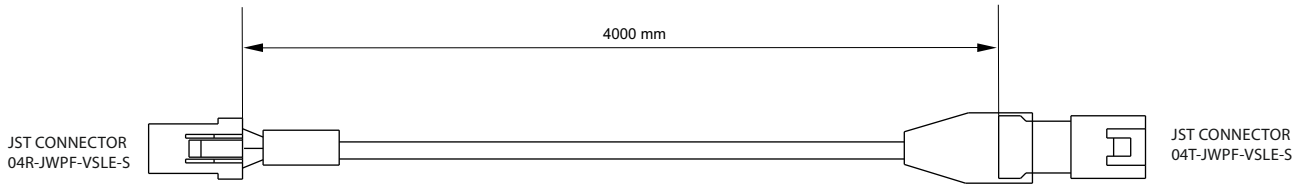
1 UC Bridge extension cable 2 m

Part number V02596020



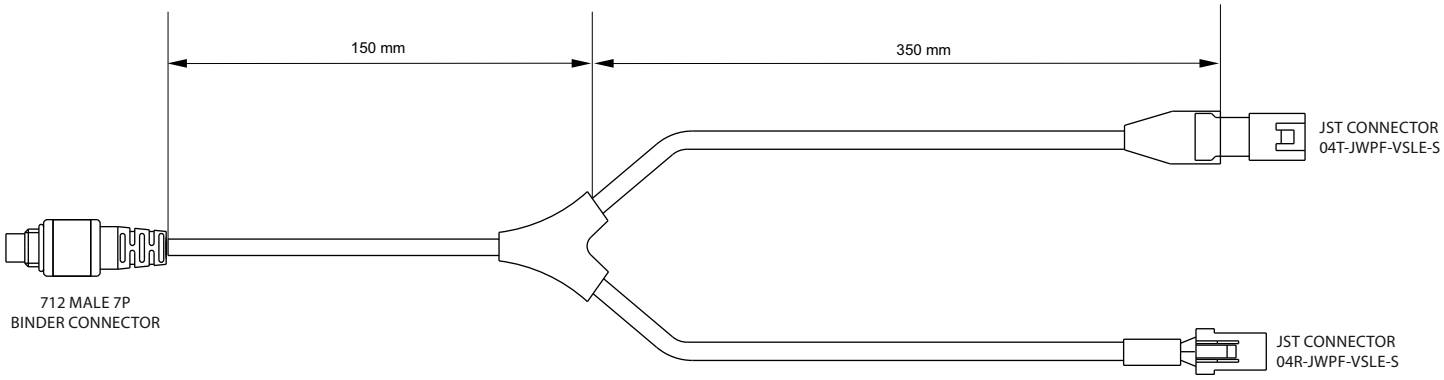
2 UC Bridge extension cable 4 m

Part number V02596030



3 Solo 2 DL extension cable 50 cm

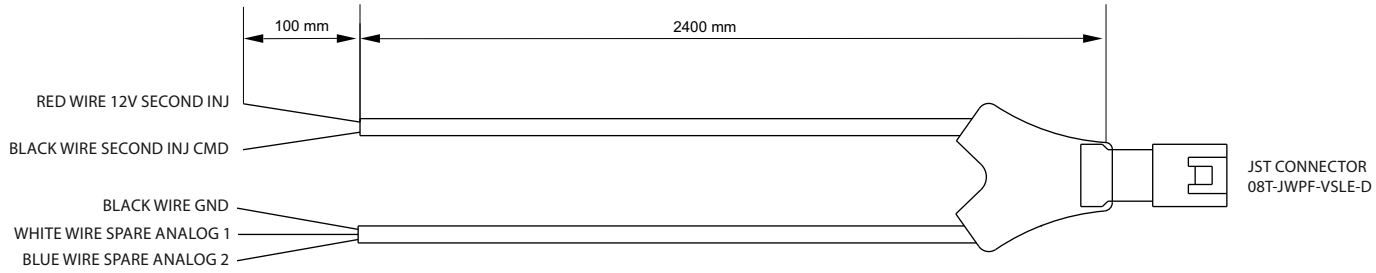
Part number V02589120



Optional cables

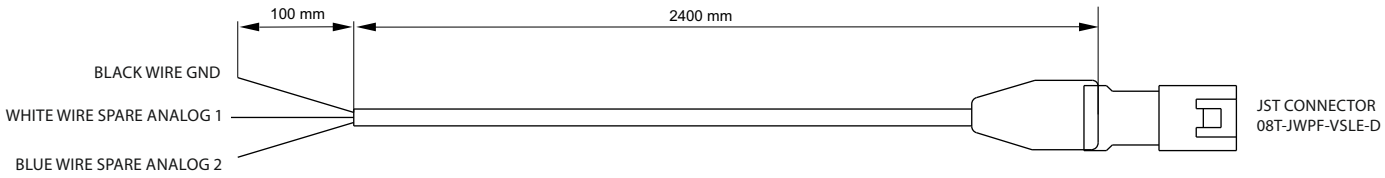
4 Analog channels and second injection harness

Part number V02596060



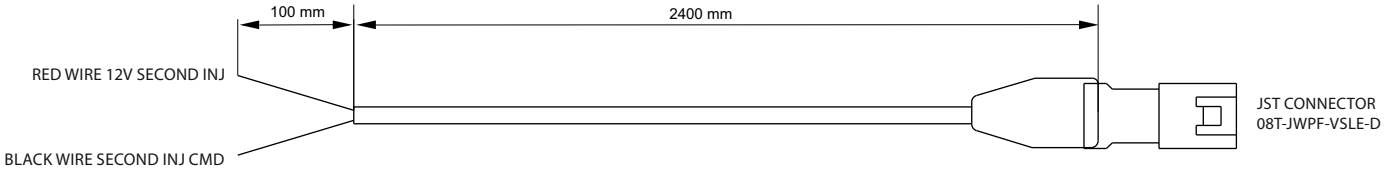
5 Analog channels harness

Part number V02596070



6 Second injection harness

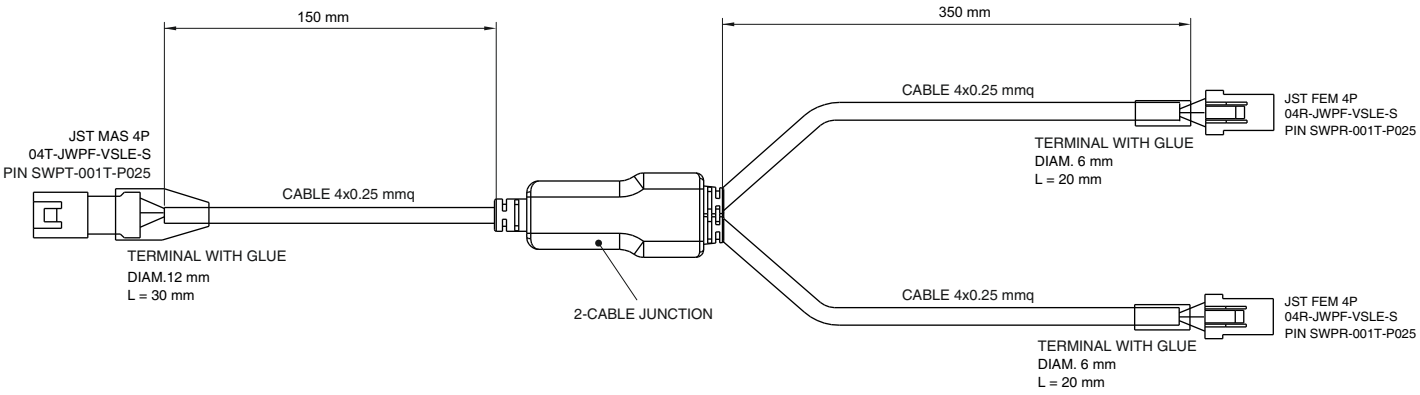
Part number V02596080



Optional cables

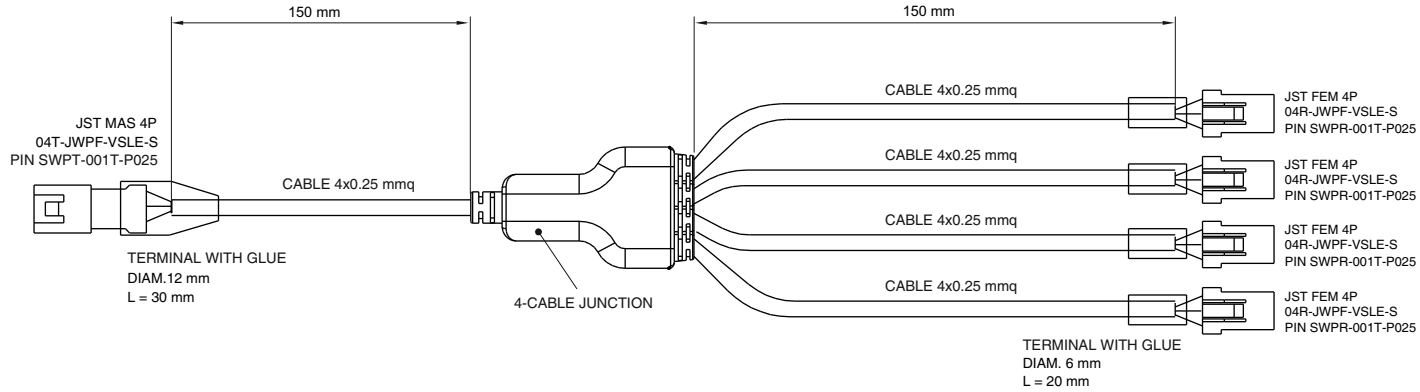
7 Generic Y harness for Taipan expansion

Part number V02596220



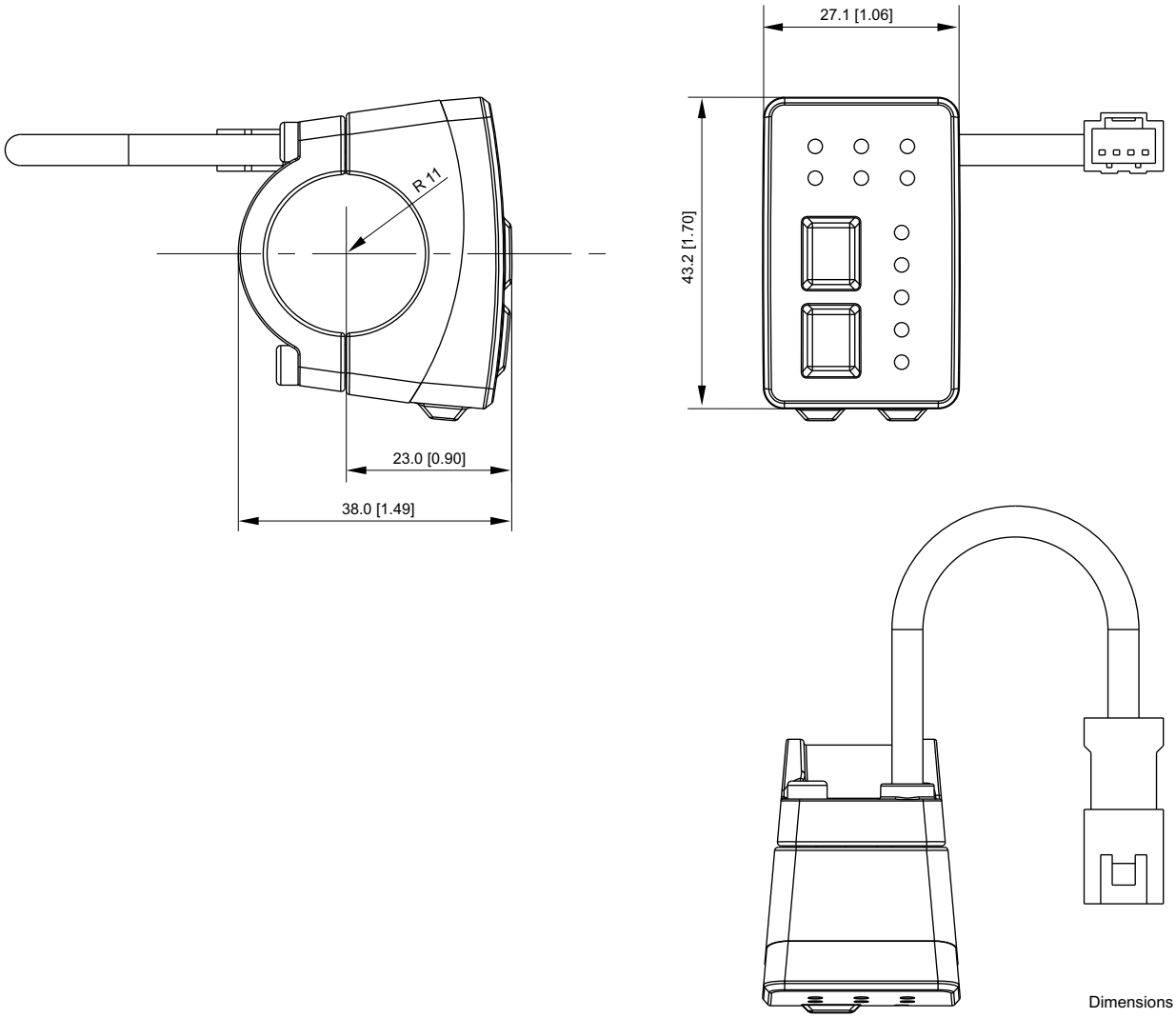
8 Generic 4 ways harness for Taipan expansion

Part number V02596240



Accessories:

HBS2 (Handle Bar Switch 2)



Dimensions in mm [inches]

Accessories:

HBS2 main features

- Map selection: Up to 5 selectable maps
- Fuel Correction: for low, middle, and high RPM
- Launch control at different levels
- Traction control at different levels
- Enable quickshift using the button on models equipped with a factory electronic shifter

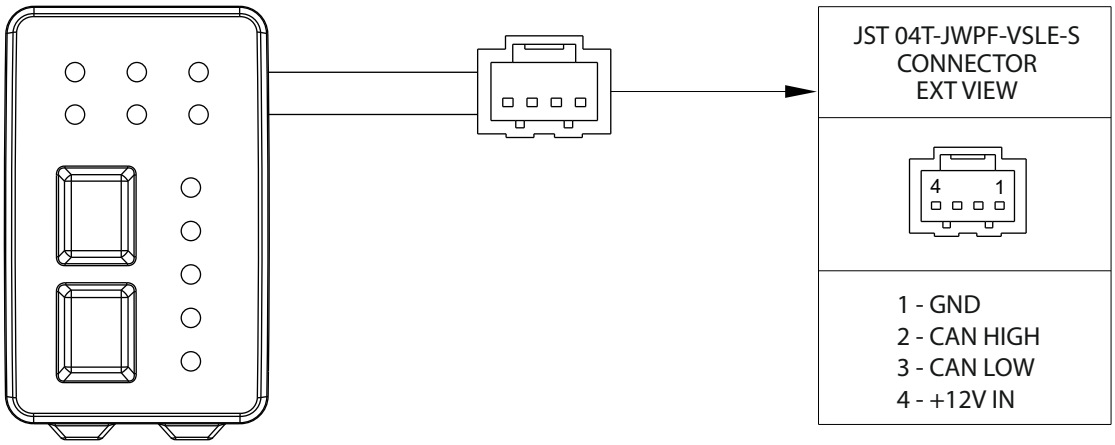
Technical specifications

Connector	1 JST 04T-JWPF-VSLE-S waterproof connector for CAN BUS communication
Body	PA6 + 30% glass fiber + silicon rubber
Dimensions	43.2x27.1x38.0 mm
Waterproof	IP67
Weight	70 g

Part number

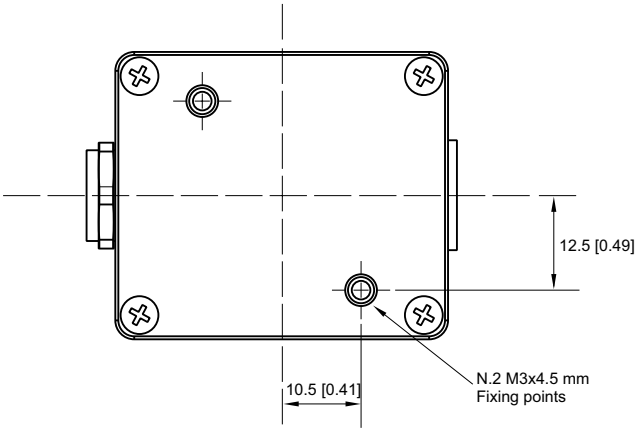
XE1HBS200	HBS2

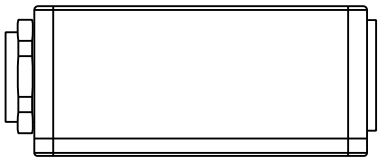
Pinout

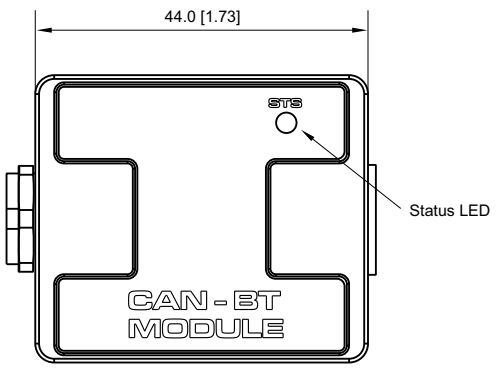


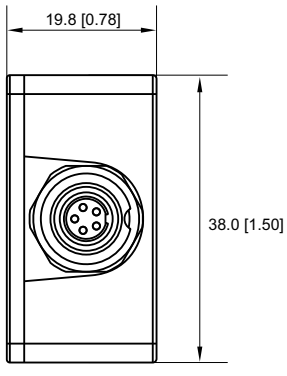
Accessories:

CAN-BT Module









Dimensions in mm [inches]

Accessories:

CAN-BT Module Technical specifications

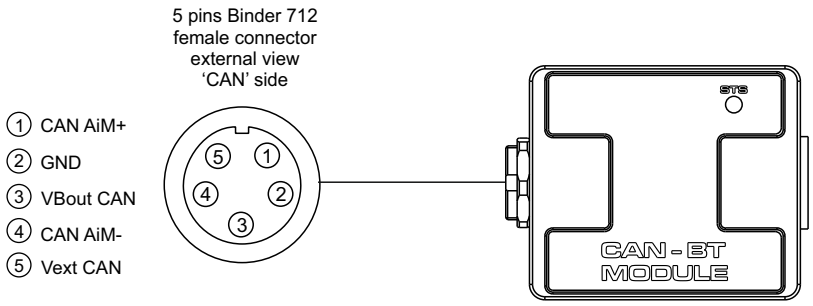
CAN-BT Module grants instant access to key engine data from your Taipan and Yarara ECU.
Installing the **SPARK App** (for Apple iOS and Android) on your smartphone provides a streamlined, data-driven interface for real-time monitoring of live engine parameters.

External power	9÷15 V
Connections	CAN, Bluetooth
Connectors	1 Binder 712 female
Material	PA6 30% glass
Dimensions	44.0 x 38.0 x 19.8 mm
Weight	50 g
Waterproof	IP65

Part number

X08CANBTM00	CAN-BT Module + ECU AiM Harness 40 cm

Pinout

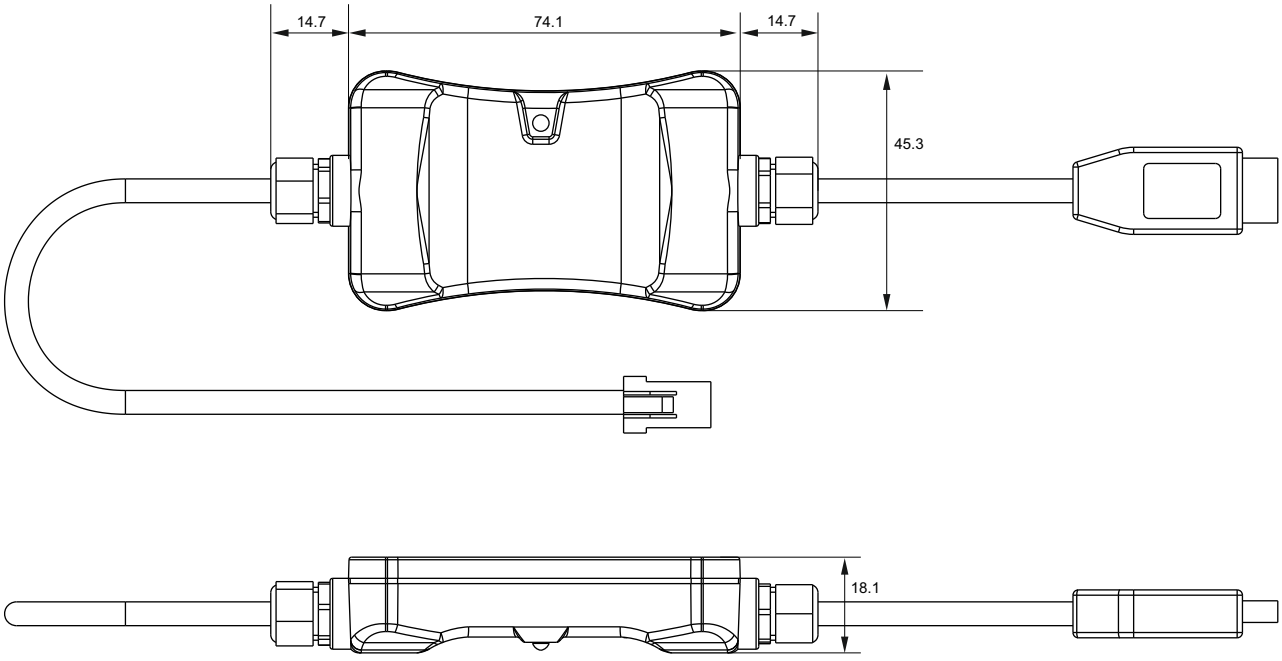


Accessories:

UC Bridge

User license

Tuner license

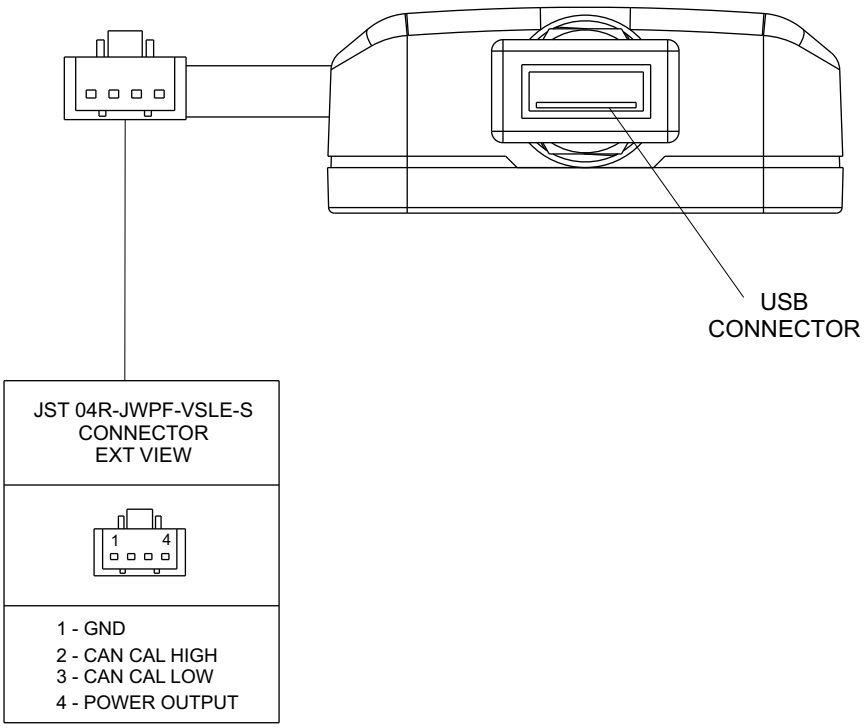


Accessories:

UC Bridge technical specifications

Connections	n.1 USB connection for PC n.1 JST 04R-JWPF-VSLE-S waterproof Connector for CAN Bus communication
Body	PA6 + 30% glass fiber
Dimensions	103.5x45.3x18.1 mm
Waterproof	IP65
Weight	80 g

Part numbers

XE1UCB000	UC Bridge
XE1UCBT00	UC Bridge Tuner

Pinout