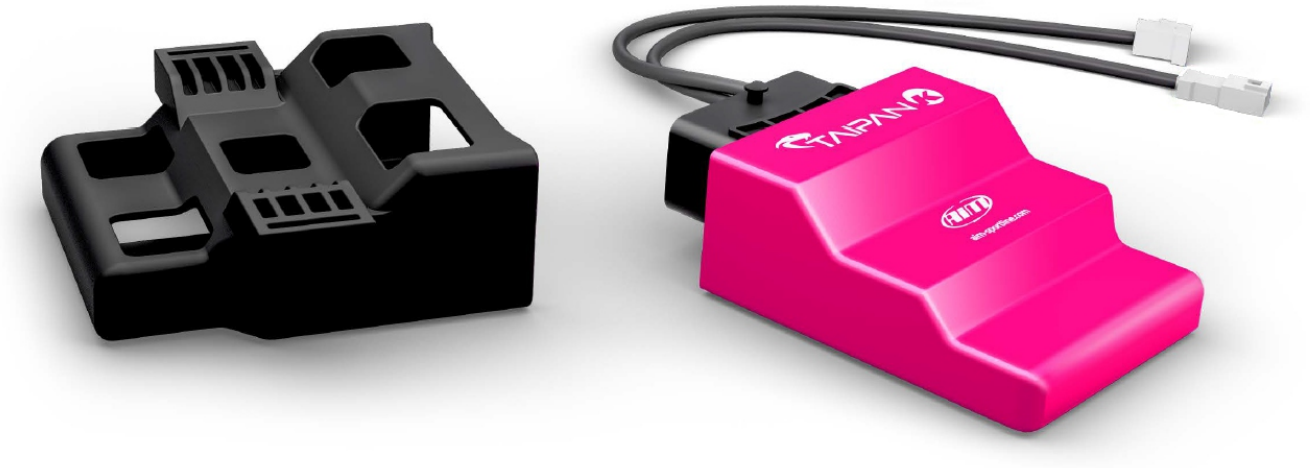
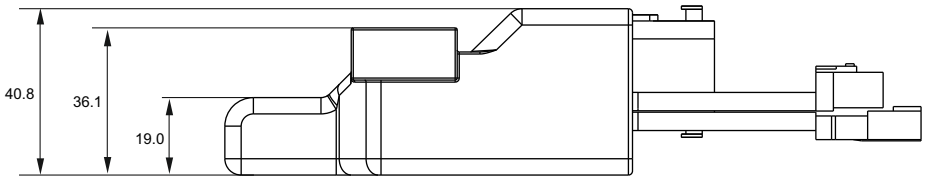
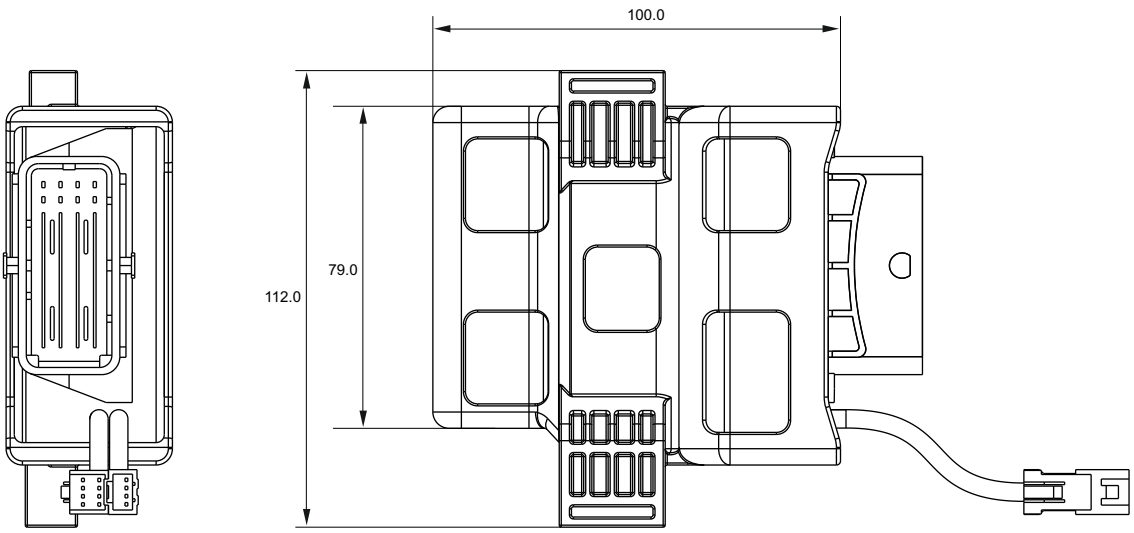
AiM ECU Taipan K & accessories

PLUG 'N PLAY ECU FOR MOTOCROSS







Technical specifications

Plug 'n play ECU for :

AiM ECU Taipan K Compatible models	Bike models				
	Brand	Type	Race	From Year	To Year
	KTM	SX 125	Cross	2024	2025
		SX 250	Cross	2024	2025
	HUSQVARNA	TC 125	Cross	2024	2025
		TC 250	Cross	2024	2025
	GASGAS	MC 125	Cross	2024	2025
		MC 250	Cross	2024	2025

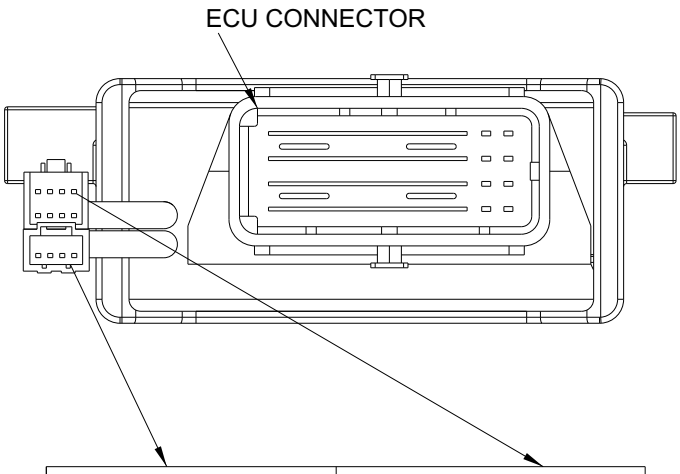
Additional characteristics to the stock ECU:

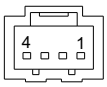
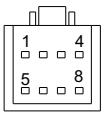
- Two 0-5V analog inputs sampled @ 1,000 Hz each, could be alternatively used as switch to ground
- One low side driver (1A)
- 1 CAN bus for calibration purposes
- IMU
- Pitch/Roll
- Power consumption 150 mA
- Connectors: n.1 JST 04T-JWPF-VSLE-S connector
  n.1 JST 08R-JWPF-VSLE-D connector
  n.1 64 pins male connector
- Body: PA6 + 30% glass fiber + EPDM cover
- Dimensions: 112x100x40.8 mm
- Weight: 390 g approx
- Waterproof: IP67

Part numbers (ECU Taipan K & accessories)

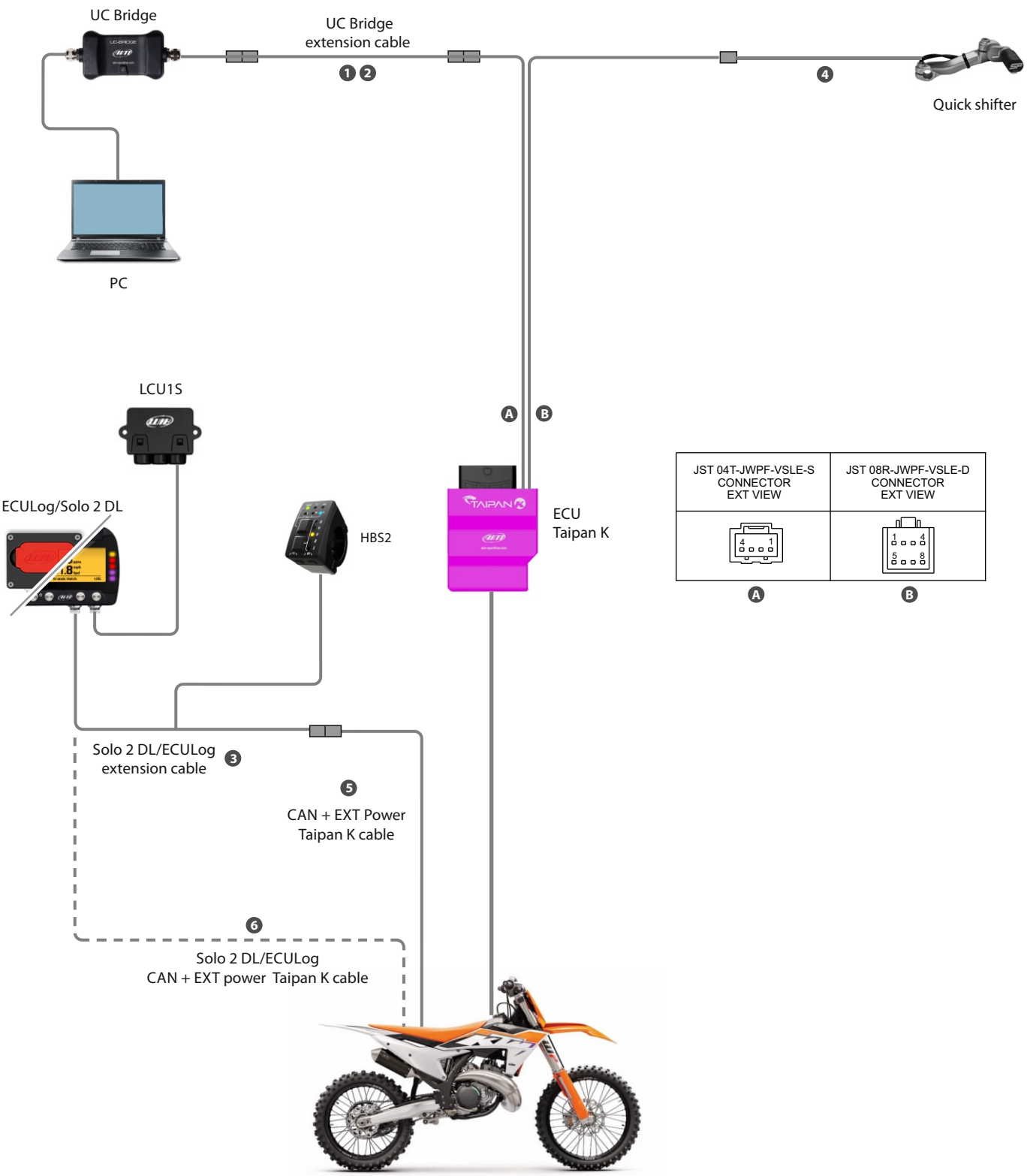
XE1ECUTK0	ECU Taipan K
XE1HBS200	HBS2 (cable V02596160 is necessary)
V02596160	CAN + EXT Power Taipan K cable
X08CANBTM00	CAN-BT Module + ECU AiM Harness 40 cm
XE1UCB000	UC Bridge
XE1UCBT00	UC Bridge Tuner

Pinout



JST 04T-JWPF-VSLE-S CONNECTOR EXT VIEW	JST 08R-JWPF-VSLE-D CONNECTOR EXT VIEW
	
1 - GND 2 - CAN CAL HIGH 3 - CAN CAL LOW 4 - 8V IN	1 - +12V OUT 2 - DNC 3 - SPARE LOW SIDE 4 - GND 5 - SPARE ANALOG 1 6 - SPARE ANALOG 2 7 - Vref 8 - DNC

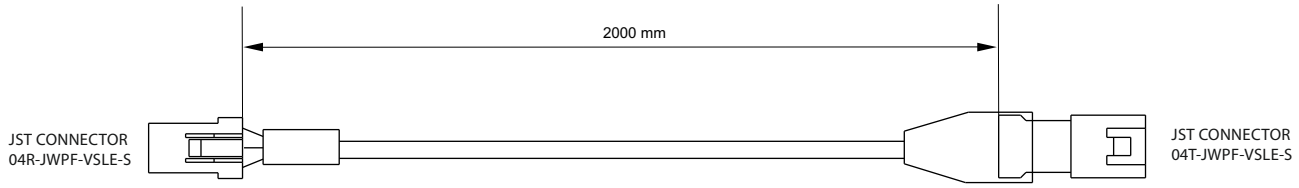
Functional diagram



Optional cables

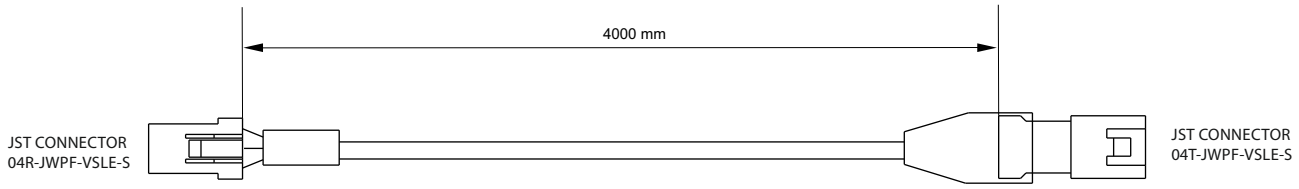
1 UC Bridge extension cable 2 m

Part number V02596020



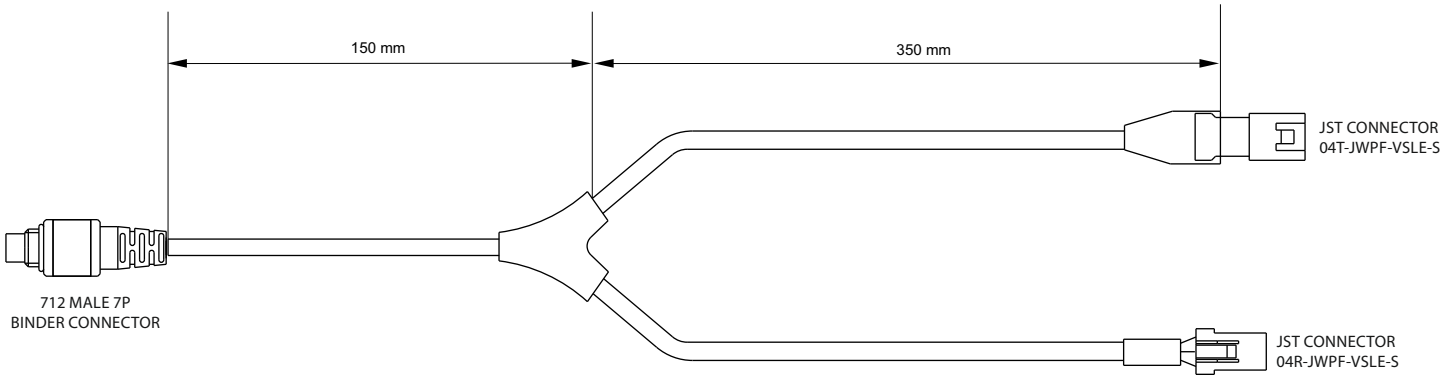
2 UC Bridge extension cable 4 m

Part number V02596030



3 Solo 2 DL/ECULog extension cable 50 cm

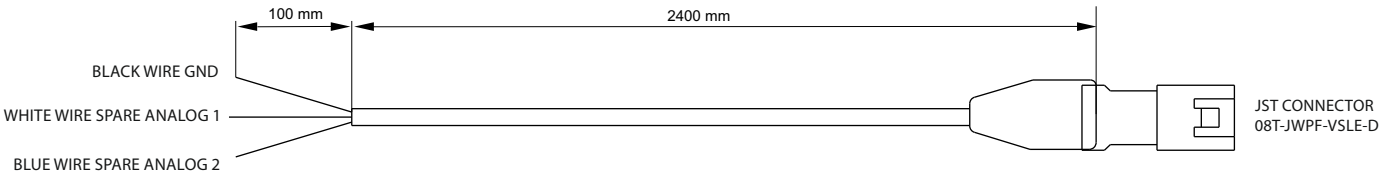
Part number V02589120



Optional cables

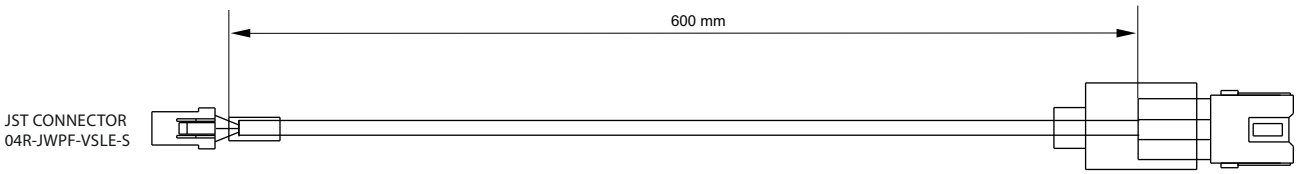
4 Analog channels harness

Part number V02596070



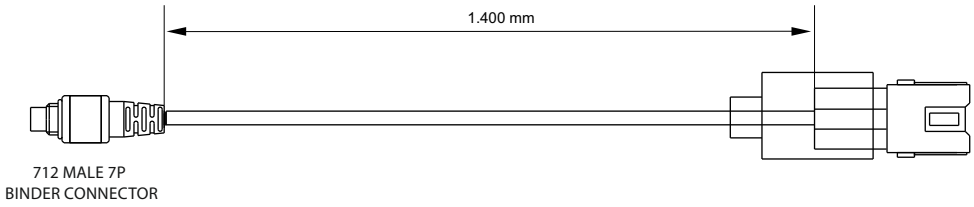
5 CAN + EXT Power Taipan K cable

Part number V02596160



6 Solo 2 DL/ECULog CAN + EXT power Taipan K cable

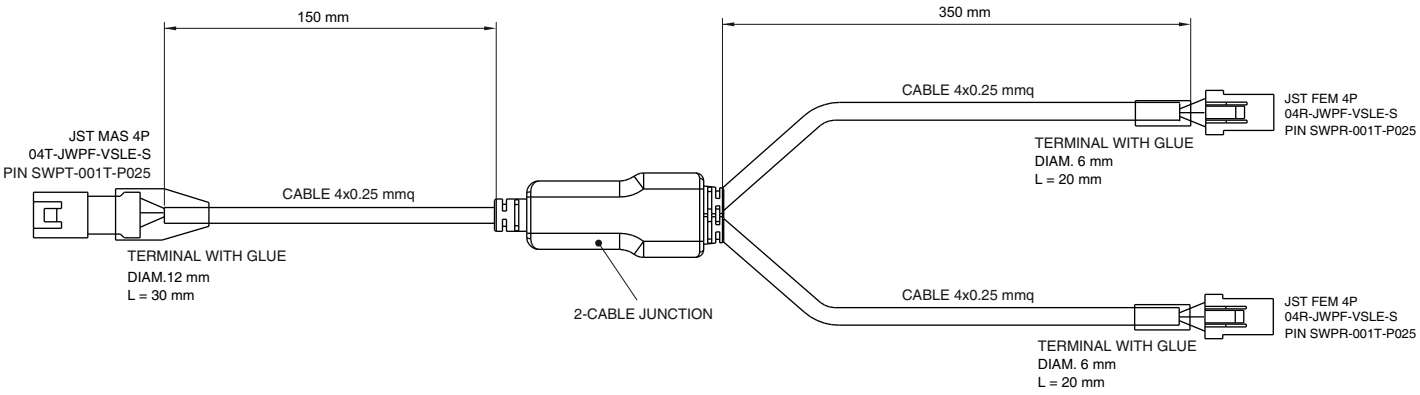
Part number V02589180



Optional cables

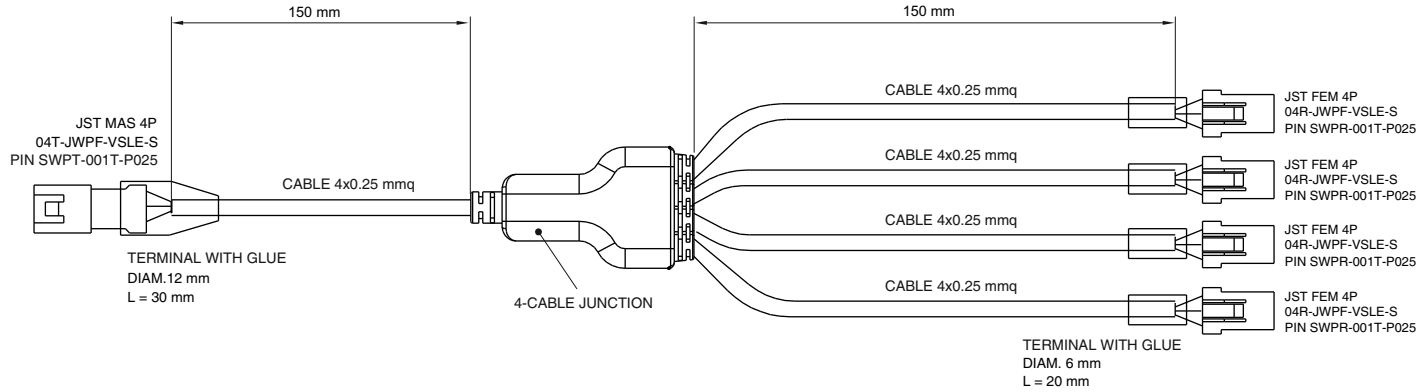
7 Generic Y harness for Taipan expansion

Part number V02596220



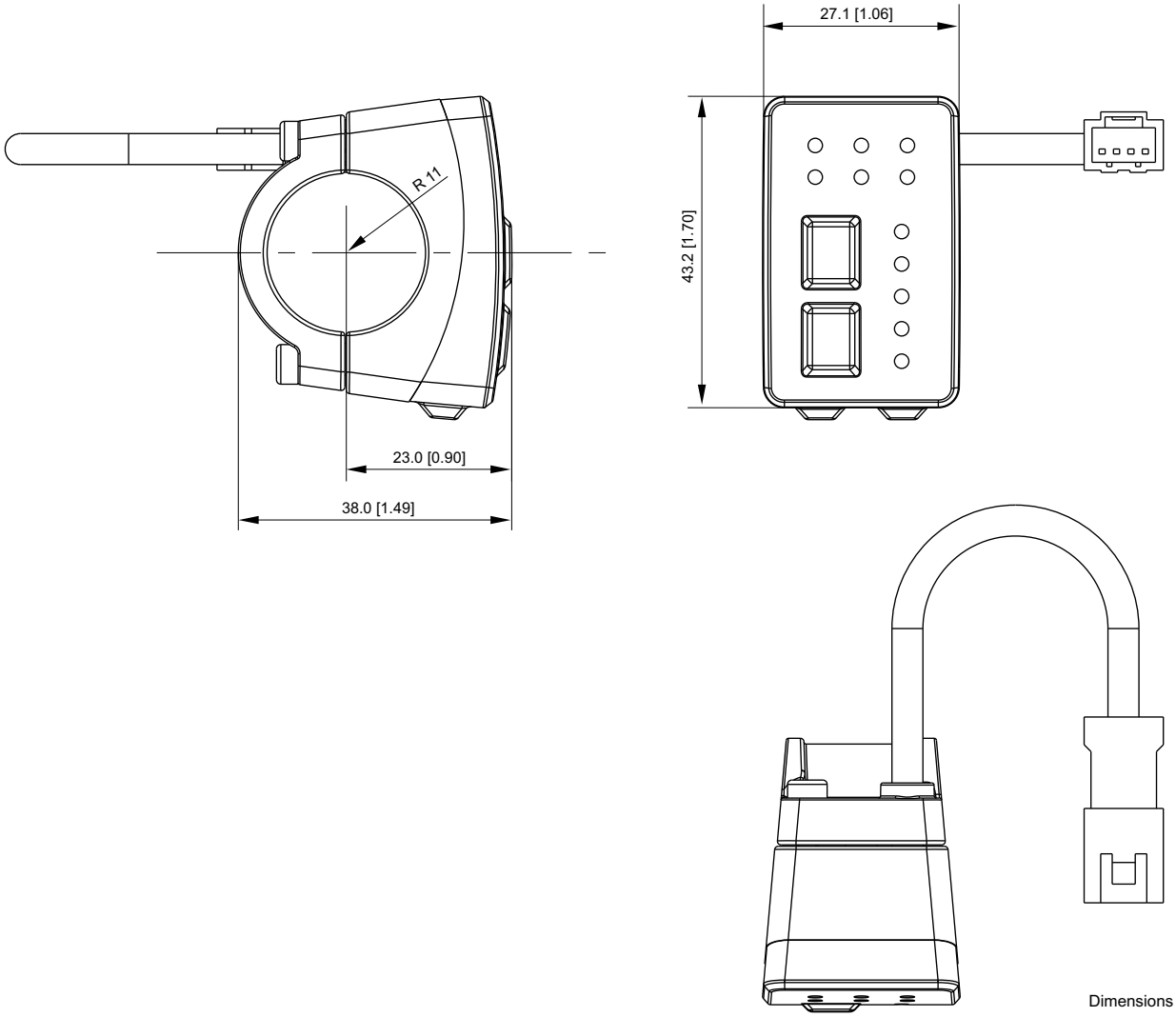
8 Generic 4 ways harness for Taipan expansion

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

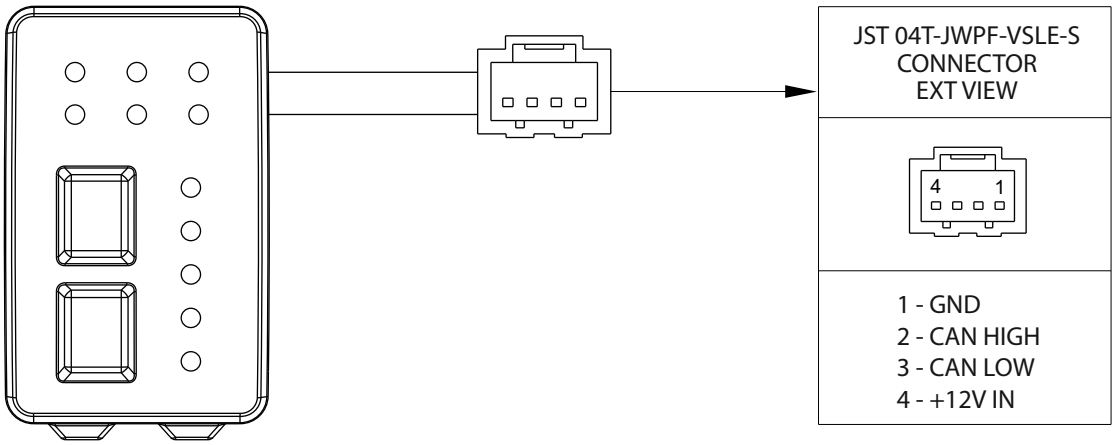
Technical specifications

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

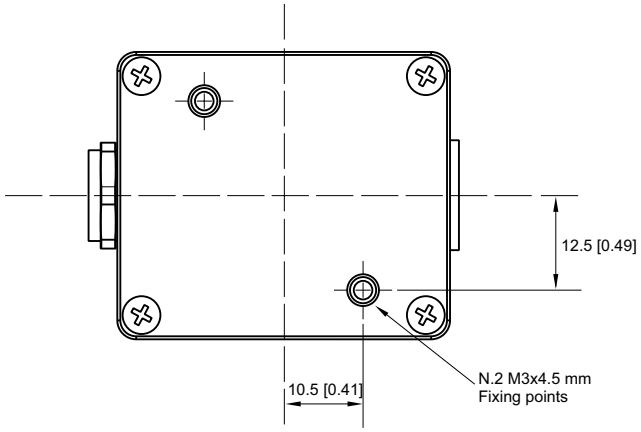
XE1HBS200	HBS2

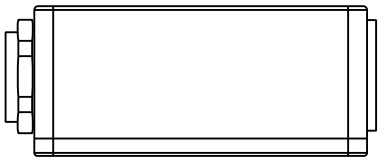
Pinout

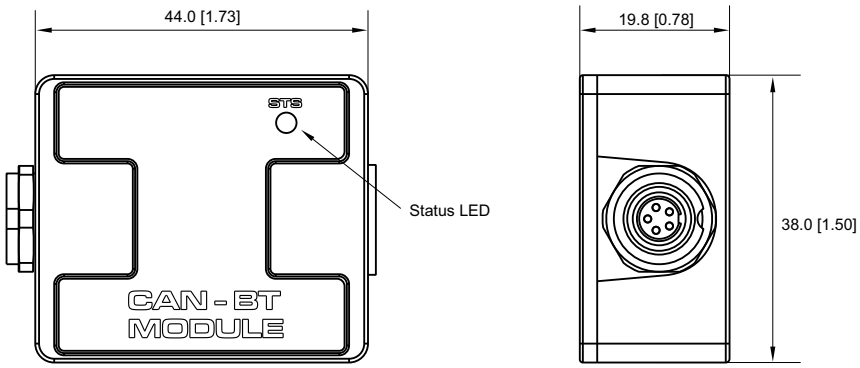


Accessories:

CAN-BT Module







Dimensions in mm [inches]

Accessories:

CAN-BT Module Technical specifications

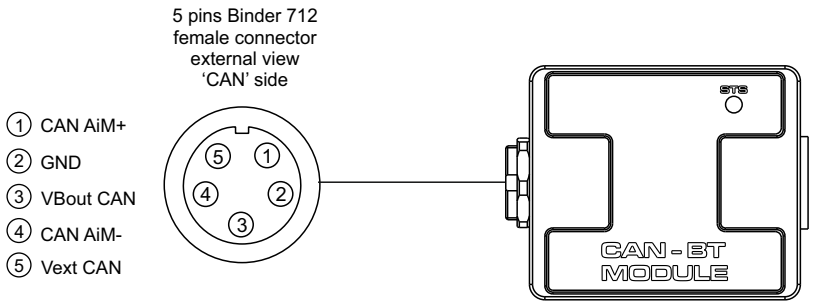
CAN-BT Module grants instant access to key engine data from your Taipan and Yarara ECU.
Installing the **SPARK App** (for Apple iOS and Android) on your smartphone provides a streamlined, data-driven interface for real-time monitoring of live engine parameters.

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

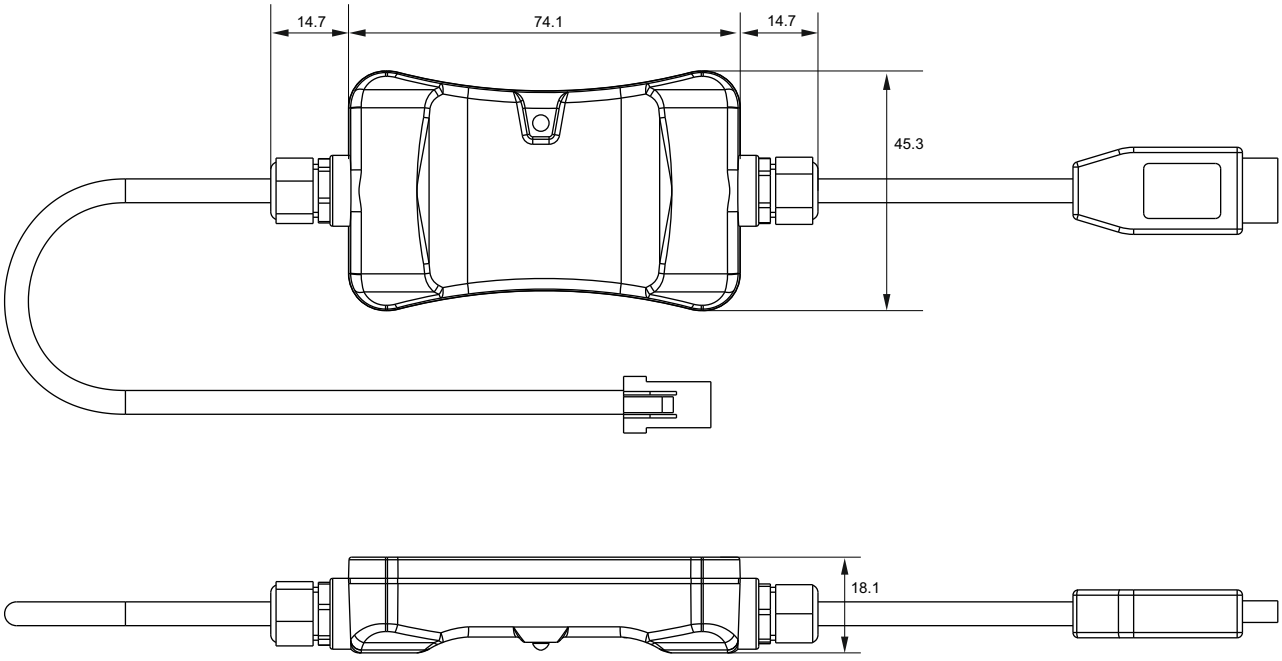


Accessories:

UC Bridge

User license

Tuner license

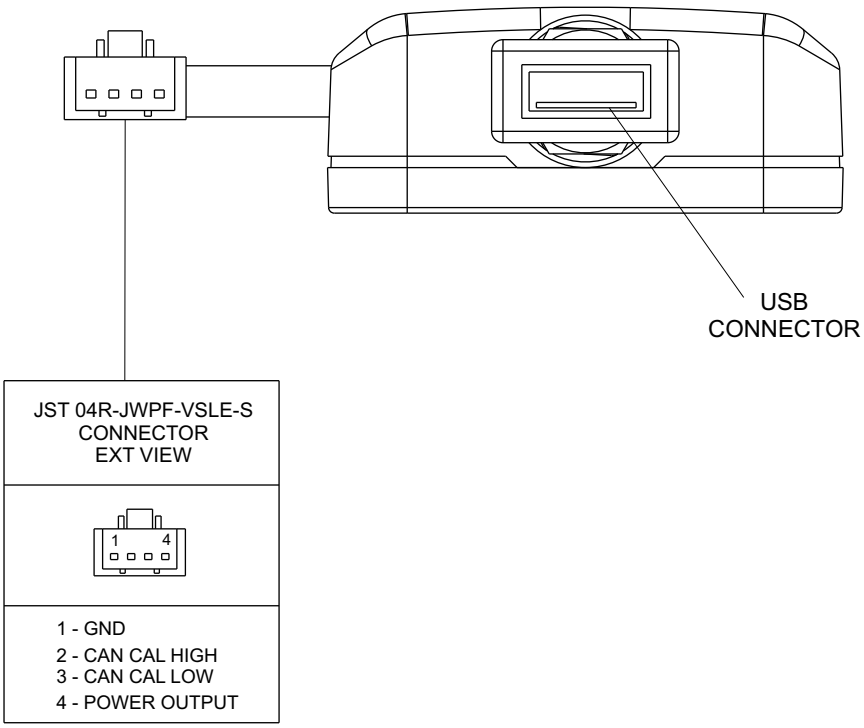


Accessories:

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