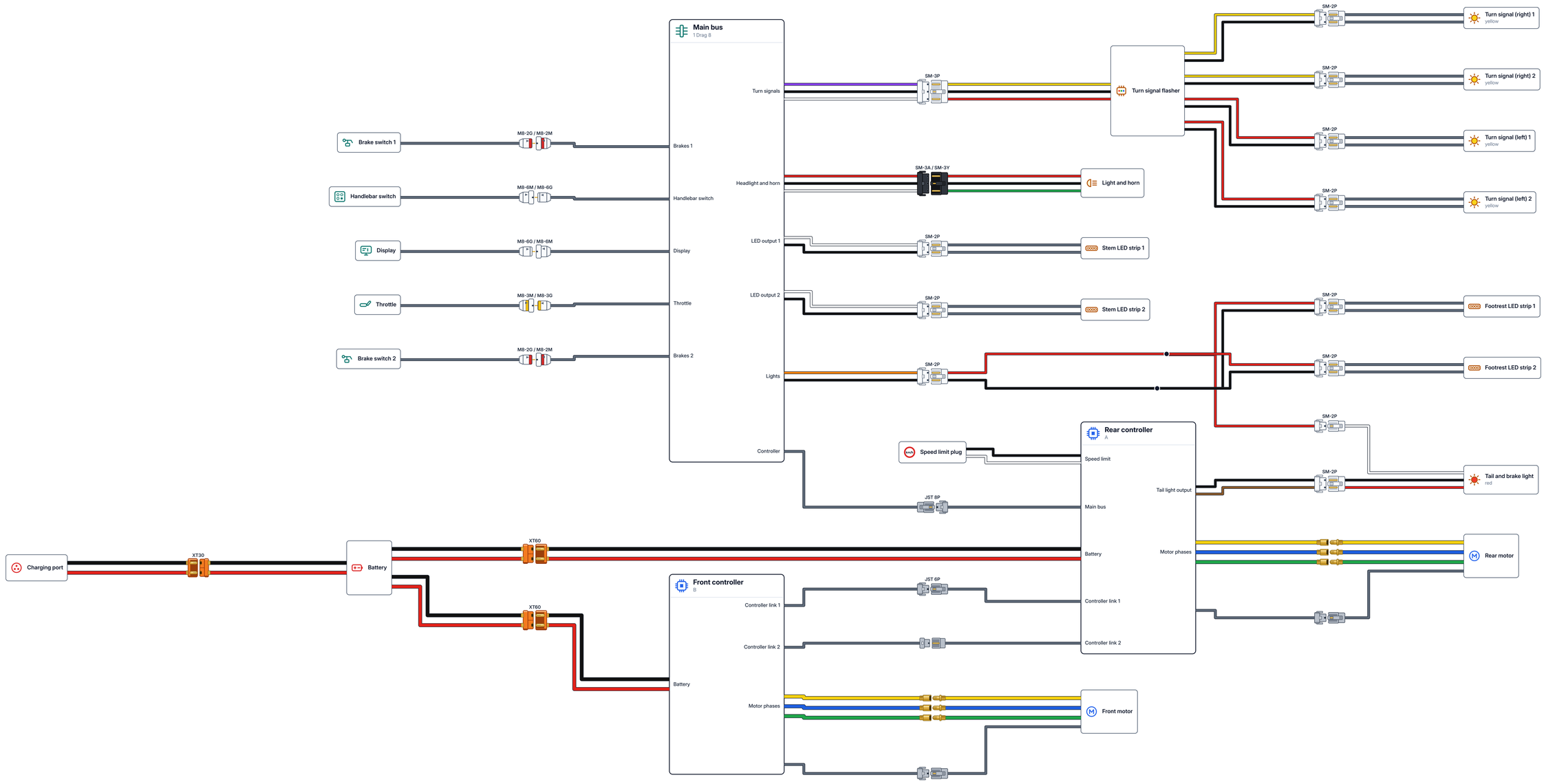
WIRING DIAGRAM

Teverun Fighter Mini Q 2025 LCD-JST

FOHZSHOP.FR



WIRE COLOURS

- Black BK
- Colour not shown
- Red RD
- Yellow YE
- Blue BU
- Green GN
- Violet VT
- Brown BN
- Orange OG
- White WH

CONNECTORS

Gold pins: male side. Dark sockets: female side.

- JST SM plug
- XT60
- Connector (type not shown)
- Splice: wires are joined at this point
- Round waterproof plug
- XT30
- Bullet connectors

NOTES

1. On the original, the links of the M8, JST 6P and JST 8P plugs and the black cable of each motor are drawn as a single cable, without the number or colour of their wires. Each one is redrawn as a single line in colour not shown. The thin link between the two controllers goes through a single-pin plug: it is redrawn as one wire, colour not shown.
2. For the turn signals, the pole strips and the pedal strips, colours are only given on the harness side of the SM-2P plug. On the lamp or strip side, the cable is drawn without colour.
3. No colour is written on the three wires between the turn signal module and its SM-3P plug, nor on the three phase wires of each motor. Their colours, yellow, black and red for the former, yellow, blue and green for the latter, are taken from the drawing.
4. The original does not say which of the two turn signals on each side is at the front, nor on which side each brake lever, each pole strip and each pedal strip is. They are numbered 1 and 2.
5. On the original, two red wires leave the same pin of the SM-2P plug with orange and black wires of the main bus, one to the white wire of the tail light, the other to the first pedal strip. The second strip is connected to the plug of the first one. These links are redrawn as a splice.
6. The black and brown cable running from the tail light to the rear controller A is drawn as a dotted line on the original.
7. According to the original, the speed limit plug, a red plug at the end of the black and white cable of the rear controller A, limits the speed when it is short-circuited. Normally, it does not need to be connected.
8. Between each controller and its motor, the original draws the three phase wires with their bullet plugs and a black cable with a grey plug, without naming that cable. The whole is called Motor wire connector.
9. Between the two controllers, the original draws a cable with a grey JST 6P plug and a thinner cable with a small grey plug with a yellow pin, without a name.
10. The main bus is called 1 Drag 8 Main Bus on the original. After its eight branches, its trunk splits into three cables, to the JST 8P plug of the rear controller A, the SM-3P plug of the turn signal module and the SM-2P plug with orange and black wires.

DOCUMENT

Based on the manufacturer diagram "FIGHTER MINI Q 2025 BM FQ LCD-JST Electrical Connection Diagram".

Redrawn by FõhzShop on 1 November 2026.

Disconnect the battery before any work.

CONNECTOR PINOUT

Connector	To	Wire
Main bus Turn signals	**Turn signal flasher** Input Connectors: JST SM plug SM-3P	Violet, then yellow after the connector Black White, then red after the connector
Main bus LED output 1	**Stem LED strip 1** Connectors: JST SM plug SM-2P	White, then colour not shown after the connector Black, then colour not shown after the connector
Main bus LED output 2	**Stem LED strip 2** Connectors: JST SM plug SM-2P	White, then colour not shown after the connector Black, then colour not shown after the connector
Main bus Controller	**Rear controller** Main bus Connectors: JST SM plug JST 8P	Colour not shown · Wires not shown
Main bus Lights	**Splice** Connectors: JST SM plug SM-2P	Orange, then red after the connector Black
Front controller Controller link 1	**Rear controller** Controller link 1 Connectors: JST SM plug JST 6P	Colour not shown · Wires not shown
Front controller Controller link 2	**Rear controller** Controller link 2 Connectors: Connector (type not shown)	Colour not shown
Front controller Motor phases	**Front motor** Connectors: Bullet connectors	Yellow Blue Green
Front controller	**Front motor** Connectors: JST SM plug	Colour not shown · Wires not shown
Rear controller Tail light output	**Tail and brake light** Connectors: JST SM plug SM-2P	Black Brown, then red after the connector

Connector	To	Wire
Rear controller Motor phases	**Rear motor** Connectors: Bullet connectors	Yellow Blue Green
Rear controller	**Rear motor** Connectors: JST SM plug	Colour not shown · Wires not shown
Turn signal flasher Right turn signal 1	**Turn signal (right) 1** Connectors: JST SM plug SM-2P	Yellow, then colour not shown after the connector Black, then colour not shown after the connector
Turn signal flasher Right turn signal 2	**Turn signal (right) 2** Connectors: JST SM plug SM-2P	Yellow, then colour not shown after the connector Black, then colour not shown after the connector
Turn signal flasher Left turn signal 1	**Turn signal (left) 1** Connectors: JST SM plug SM-2P	Red, then colour not shown after the connector Black, then colour not shown after the connector
Turn signal flasher Left turn signal 2	**Turn signal (left) 2** Connectors: JST SM plug SM-2P	Red, then colour not shown after the connector Black, then colour not shown after the connector
Brake switch 1	**Main bus** Brakes 1 Connectors: Round waterproof plug M8-2G / M8-2M	Colour not shown · Wires not shown
Handlebar switch	**Main bus** Handlebar switch Connectors: Round waterproof plug M8-6M / M8-6G	Colour not shown · Wires not shown
Display	**Main bus** Display Connectors: Round waterproof plug M8-6G / M8-6M	Colour not shown · Wires not shown
Throttle	**Main bus** Throttle Connectors: Round waterproof plug M8-3M / M8-3G	Colour not shown · Wires not shown

Connector	To	Wire
Brake switch 2	**Main bus** Brakes 2 Connectors: Round waterproof plug M8-2G / M8-2M	Colour not shown · Wires not shown
Light and horn	**Main bus** Headlight and horn Connectors: JST SM plug SM-3A / SM-3Y	Red Black Green, then white after the connector
Splice	**Tail and brake light** Connectors: JST SM plug SM-2P	Red, then white after the connector
Splice	**Footrest LED strip 1** Connectors: JST SM plug SM-2P	Red, then colour not shown after the connector Black, then colour not shown after the connector
Splice	**Footrest LED strip 2** Connectors: JST SM plug SM-2P	Red, then colour not shown after the connector Black, then colour not shown after the connector
Battery Output 1	**Front controller** Battery Connectors: XT60	Black · Battery – Red · Battery +
Battery Output 2	**Rear controller** Battery Connectors: XT60	Black · Battery – Red · Battery +
Charging port	**Battery** Charge Connectors: XT30	Black · Charge – Red · Charge +
Speed limit plug	**Rear controller** Speed limit	Black White