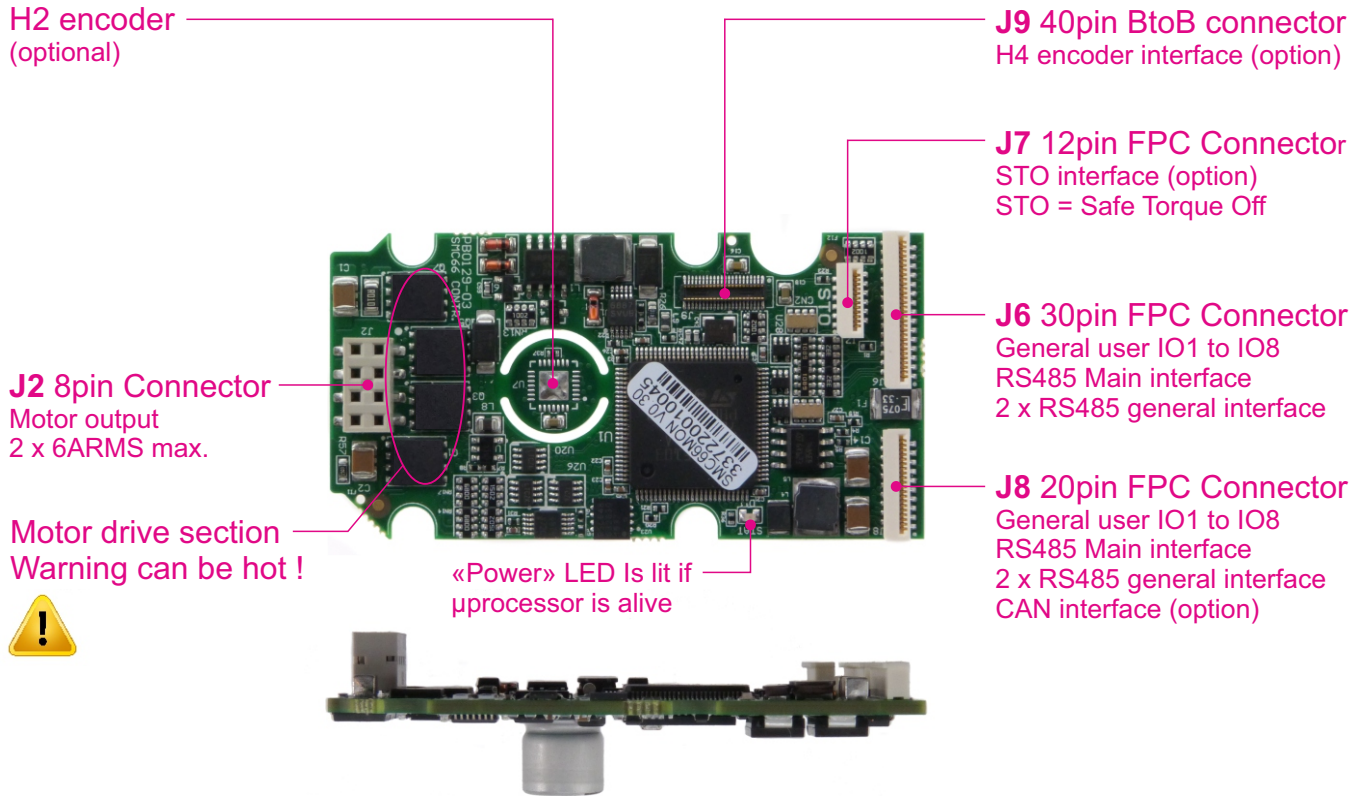
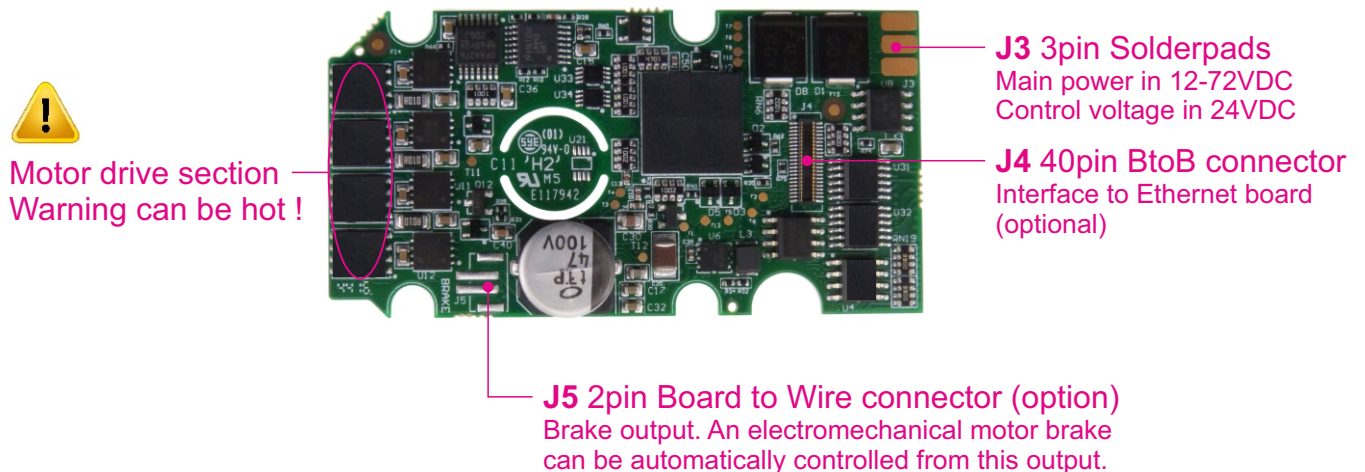


SMC66 (+ subtypes) layout

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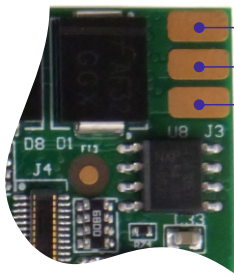


Outside dimension: 65.1 x 33.4mm



Detailed connector descriptions next page....

J3 3pin Solderpads - Main power and control voltage input



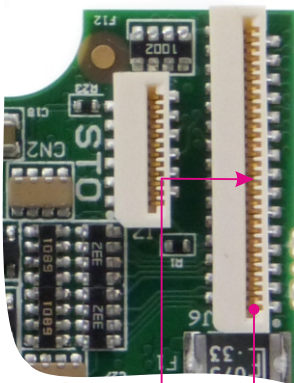
- P-** (GND/common)
- CVI** - Control voltage input 24VDC nom.
- P+** - Main power input 12-72VDC

Note: Names in bold refers to the pin names in the user manual for the MISxxx motors. Further details can be found in the user manual.

Recommended connection cables:

JVL stock no. **WG0830**
3 wire cable connecting to 5 pin male M12 connector.
See also MIS motor user manual for additional cable options.

J6 30pin FPC flex cable connector with I/O, Interface etc.



Contact side Pin 1

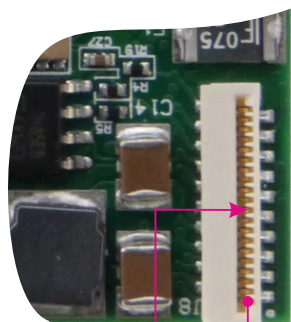
Recommended connection cables:

JVL stock no. **WF0821**
Flexcable connecting to 17 pin female M12 connector and 5 bicolor LEDs

- Pin 1 **IO1** - General user I/O terminal 1
- Pin 2 **IO2** - General user I/O terminal 2
- Pin 3 **IO3** - General user I/O terminal 3
- Pin 4 **IO4** - General user I/O terminal 4
- Pin 5 **IO5** - General user I/O terminal 5
- Pin 6 **IO6** - General user I/O terminal 6
- Pin 7 **IO7** - General user I/O terminal 7
- Pin 8 **IO8** - General user I/O terminal 8
- Pin 9 **GND** - Connected internally to P-
- Pin 10 **RS485 A-** Main RS485 interface negative
- Pin 11 **RS485 B+** Main RS485 interface positive
- Pin 12 **B1- RS422** interface B channel negative
- Pin 13 **B1+ RS422** interface B channel positive
- Pin 14 **A1- RS422** interface A channel negative
- Pin 15 **A1+ RS422** interface A channel positive
- Pin 16 **CVO** - Control voltage output. 24VDC/max. 700mA
- Pin 17 **CVO** - Control voltage output. 24VDC/max. 700mA
- Pin 18 **GND/EXTBACKUP** - External batt. only for H3/H4 option
- Pin 19 **GND** - Connected internally to P-
- Pin 20 Unused
- Pin 21 Unused
- Pin 22 LED output to L1 green
- Pin 23 LED output to L1 red
- Pin 24 LED output to L2 green
- Pin 25 LED output to L3 green
- Pin 26 LED output to ERR red
- Pin 27 LED output to ERR green
- Pin 28 LED output to PWR red
- Pin 29 LED output to PWR green
- Pin 30 **GND** - Connected internally to P-

Note: Names in bold refers to the pin names in the user manual for the MISxxx motors. Further details can be found in the user manual.

J8 20pin FPC flex cable connector with CAN, I/O, Interface etc.



Contact side Pin 1

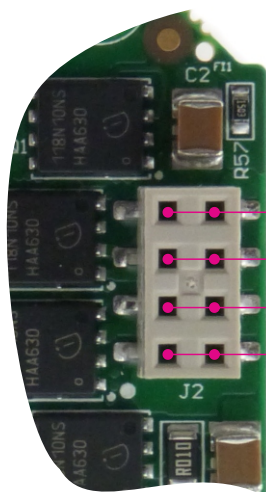
Recommended connection cables:

JVL stock no. **WF0820**
Flexcable connecting to
5 pin female M12 connector
and 8 pin female M12
connector

- Pin 1 **IO1** - General user I/O terminal 1
- Pin 2 **IO2** - General user I/O terminal 2
- Pin 3 **IO3** - General user I/O terminal 3
- Pin 4 **IO4** - General user I/O terminal 4
- Pin 5 **IO5** - General user I/O terminal 5
- Pin 6 **IO6** - General user I/O terminal 6
- Pin 7 **GND** - Connected internally to P-
- Pin 8 **B1- RS422** interface B channel negative
- Pin 9 **B1+ RS422** interface B channel positive
- Pin 10 **A1- RS422** interface A channel negative
- Pin 11 **A1+ RS422** interface A channel positive
- Pin 12 **CVO** - Control voltage output. 24VDC/max. 700mA
- Pin 13 **CVO** - Control voltage output. 24VDC/max. 700mA
- Pin 14 **RS485 A-** Main RS485 interface negative
- Pin 15 **CAN_H** - CANopen interface positive terminal
- Pin 16 **RS485 B+** Main RS485 interface positive
- Pin 17 **CAN_L** - CANopen interface negative terminal
- Pin 18 **RX** - RS232 Interface receive (only 3.3V levels)
- Pin 19 **GND** - Connected internally to P-
- Pin 20 **TX** - RS232 Interface transmit (only 3.3V levels)

Note: Names in bold refers to the pin names in the user manual for the MISxxx motors. Further details can be found in the user manual.

Connector used at the SMC66 is Molex type: 78119-1208 (0.5mm pitch 500mA per contact)
See also www.mouser.com for further connection options



- Phase A+ output (motor phase 1)
- Phase A- output (motor phase 1)
- Phase B+ output (motor phase 2)
- Phase B- output (motor phase 2)

Note: The motor output is current controlled. Each of the connected 2 motor phases are applied a current between 0 and 6.0ARMS which is setup in the current registers in SMC66 using MacTalk or through one of the available communication channels. See also the MIS motor user manual.

Connector used at the SMC66 is Samtec type: SSM-104-S-DV-LC (2.54mm pitch 5.2A per pin)
See also www.samtec.com for further connection options

Concerning other connectors at the SMC66 please consult your JVL distributor to get further information.

All measures in millimeter
Tolerances: ± 0.05 mm

