

Nucleo64 and Arduino compatible pinout. Prototyping PCB.

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EEPROM

256K, AT24C256C

****For enable, one of I2C4 voltage select solder jumper must be closed**

Controll	PIN	I2C
A0, A1, A2	GND	
Address		0x50
SCL	PC6	I2C4_SCL
SDA	PB7	I2C4_SDA

VBCore Evaluation board v1.0

VIN: 9-60V

Solderless pad for VBCore MCU

Input voltage control

I2C EEPROM

CAN / CAN-FD connectors

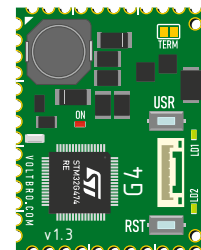
Dimensions: 100x130x15mm

Mount holes: 90x120mm D3 mm

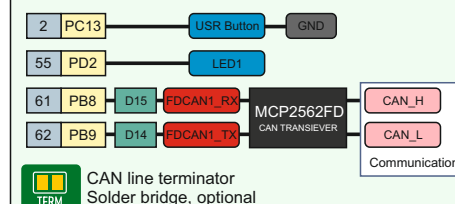
NOTES:

1. The board is specifically designed to work with the VBCore32G4 module. Always install and remove the microcontroller module very carefully to avoid damaging the compression contacts.
2. All three CAN bus outputs are connected in parallel. When operating, consider the CAN bus specification.
- 3*. The programmer connector on the debug board is in parallel with the programmer connector on the VBCore32G4 microcontroller module. Use only one of them at a time.
- 4**. To use the EEPROM chip, it is necessary to select one of the operating voltages, 3.3V or 5V, and solder the SJ3 jumper. We recommend selecting 3.3V. It is also necessary to connect the data lines to the MCU module by soldering the SJ1 and SJ2 jumpers.
5. By soldering the SJ3 jumper, you will connect the power input to the PC0 pin via a 1:15 voltage divider, thus enabling voltage measurement at the input.

Designed especially for VBCore32G4 MCU module



Onboard connections



JST GH1.25 connector

