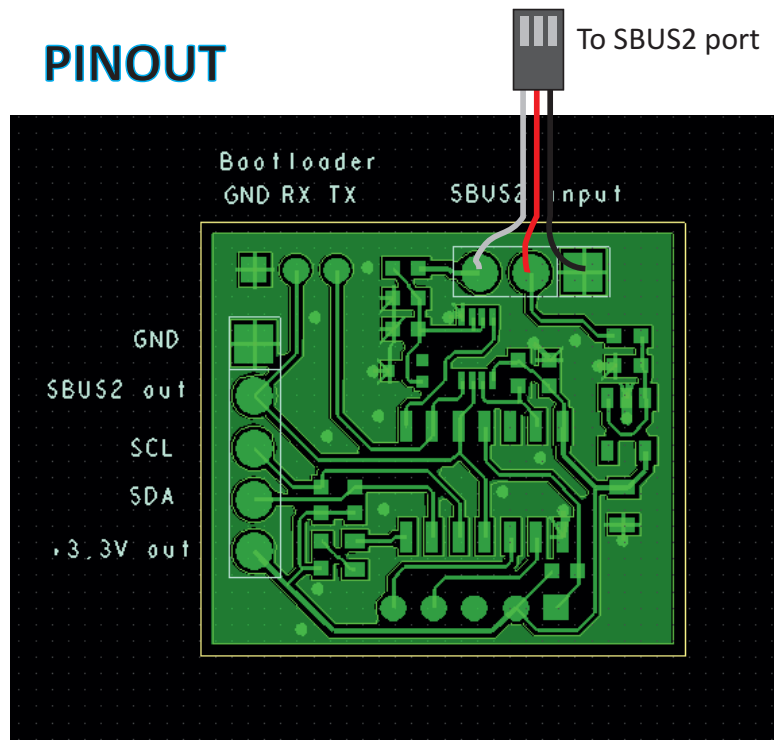


I2C -> SBUS co-processor

PINOUT



Processor: PIC16F1824

Specifications

4-16V input voltage. Reverse polarization protection.
May supply 20-100mA to user circuit, depending on input voltage.
Fully SBUS2 compliant
Slots 1-15 available for user programming.

I2C Commands:

Address including write bit: `b'11110000'`

From Arduino, only 7 bit address is used, it is: ADDRESS = **0x78**

After ADDRESS, a command is written to module.

Write command: 0010XXXX where XXXX is slot 1-15

After command, two more bytes are sent: DATA0 and DATA1.

These two bytes are the actual bytes sent to the selected SBUS2 slot.

The co-processor will continue uplinking data every SBUS2 frame.

Please experiment with different numbers to figure out what is needed for a given sensor (eg. loop both DATA bytes from 00-FF to get something on the display).

Demo mode:

The co-processor will have an active slot1+2 VARIO1712 sensor at power-up to demonstrate the SBUS2 link. As soon as any slot is written to the unit by I2C, this demonstration will stop.