

This is the interface of the driver board.
 The user is expected to supply 3.3V and GND via this header.
 The commands can then be send via SPI to the MCU.

The diagram shows the power rail connections for an EPD module. On the left, the module pins are labeled: +3.3V, I2C1_SDA, I2C1_SCL, TPS_WAKEUP, TPS_PWRUP, TPS_VCOM_CTRL, TPS_PWRGOOD, and TPS_INT. On the right, the power supply rails are labeled: -20V, -15V, +22V, +15V, VCOM, +3.3V_EDP, and 3.3V EPD. The connections are as follows: +3.3V to +3.3VIN, I2C1_SDA to SDA, I2C1_SCL to SCL, TPS_WAKEUP to WAKEUP, TPS_PWRUP to PWRUP, TPS_VCOM_CTRL to VCOM_CTRL, TPS_PWRGOOD to PWRGOOD, and TPS_INT to INT. The 3.3V EPD rail is connected to the +3.3V_EDP rail. The -20V rail is connected to the -20V pin, and the -15V rail is connected to the -15V pin. The +22V rail is connected to the +22V pin, and the +15V rail is connected to the +15V pin. The VCOM rail is connected to the VCOM pin.

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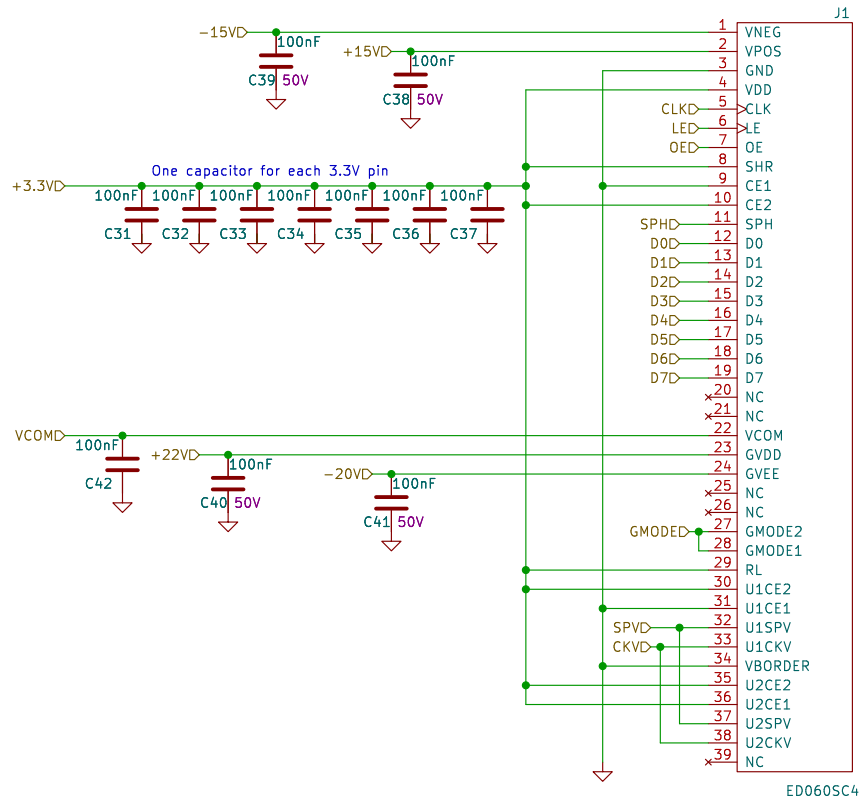
- TPS 65185: 7 (4 min)
 - SDA & SCL (I²C)
 - WAKEUP & PWRUP
 - PWRGOOD (Can be omitted)
 - VCOM_CTRL (Can be omitted and connected to 3.3V)
 - INT (Can be omitted and left floating)

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: STM32F103C8 Reserved: 10
:   - SWD (SWCLK, SWDIO)
:   - USART (RX, TX)
:   - SPI (SCK, MOSI, MISO, CS)
:   - Oscillator (OSC_IN, OSC_OUT)

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