Pin Descriptions:

- +5v - +5 Volt supply, requires about 120milliamps for LCD and mSD card
- GND - Ground pin
- SDA - I2C SDA pin
- SCL - I2C SCL pin
- ENC_A - Rotary encoder pulse pin A, needs one digital pin.
- ENC_B - Rotary encoder pulse pin B, needs one digital pin.
- CS - Chip select for mSD card, needs one digital pin
- BTN - Button pin, goes low when button is pressed needs one digital pin
- DI - Data In for mSD, connect to MOSI (ICSP header)
- CLK - Clock for mSD, connect to SCK (ICSP header)
- DO - Data Out for mSD, connect to MISO (ICSP header)
- CD - Card detect, needs one digital pin
Azteeg X3 wiring

AZTEEG X3 Marlin pin.h assignments
#define SDSS 53
#define BTN_EN1 22
#define BTN_EN2 7
#define BTN_ENC -1 //the click
#define SDCARDDETECT 49

To use SDSS pin 53 and Card Detect pin 49 on Viki, disconnect J12 under the X3 board to disable the onboard SD slot (on X3 v1). For X3 v2.0 remove shunt jumper to access D53.

Button Pin - Connect to any digital pin for custom application.

D49 Card Detect is not required for SD card operation and can be left undefined (-1)

Pin Headers on backside of Viki LCD

Azteeg X1 wiring

AZTEEG X1 Marlin pin.h assignments
#define SDSS 31
#define BTN_EN1 10
#define BTN_EN2 28
#define BTN_ENC -1 //the click
#define SDCARDDETECT 11

If not using SDCARDDETECT set to -1

Button Pin - Connect to any digital pin for custom application.

D49 Card Detect is not required for SD card operation and can be left undefined (-1)
Azteeg X3 PRO wiring

Pin Headers on backside of Viki LCD

AZTEEG X3 Marlin pin.h assignments

```c
#define SDSS 53
#define BTN_EN1 22
#define BTN_EN2 7
#define BTN_ENC -1  // the click
#define SDCARDDETECT 49
```

To use SDSS pin 53 and Card Detect pin 49 on Viki, disconnect J12 under the X3 board to disable the onboard SD slot (on X3 v1). For X3 v2.0 remove shunt jumper to access D53.

- Button Pin - Connect to any digital pin for custom application.

D49 Card Detect is not required for SD card operation and can be left undefined (-1)
RAMPS wiring

RAMPS Marlin pin.h assignments

#define SDSS 53
#define BTN_EN1 40
#define BTN_EN2 42
#define BTN_ENC -1 //the click
#define SDCARDDETECT 49

Button Pin - Connect to any digital pin for custom application.

D49 Card Detect is not required for SD card operation and can be left undefined (-1)

Pin Headers on backside of Viki LCD

Sanguinololu wiring

RAMPS Marlin pin.h assignments

#define SDSS 31
#define BTN_EN1 10
#define BTN_EN2 11
#define BTN_ENC -1 //the click
#define SDCARDDETECT 30

Button Pin - Connect to any digital pin for custom application.

D49 Card Detect is not required for SD card operation and can be left undefined (-1)