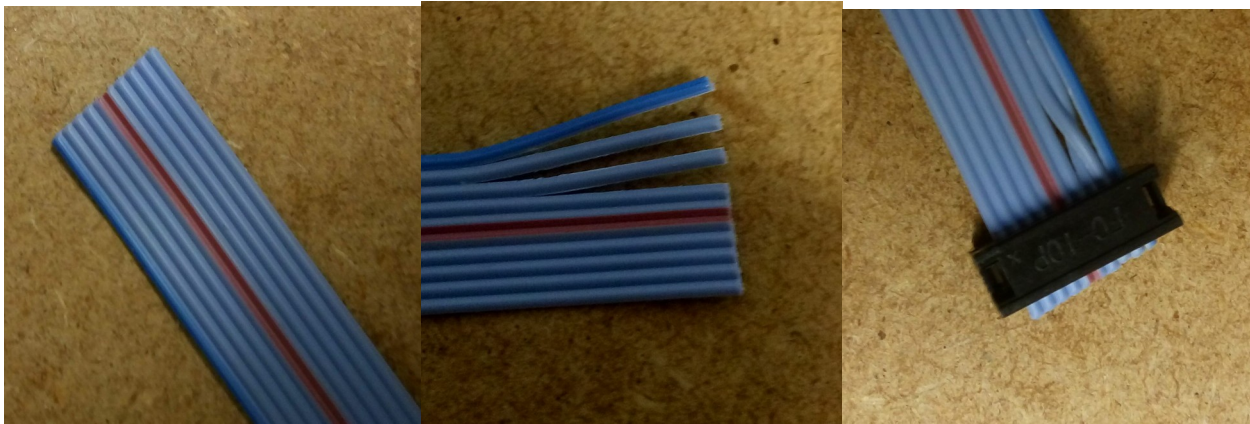
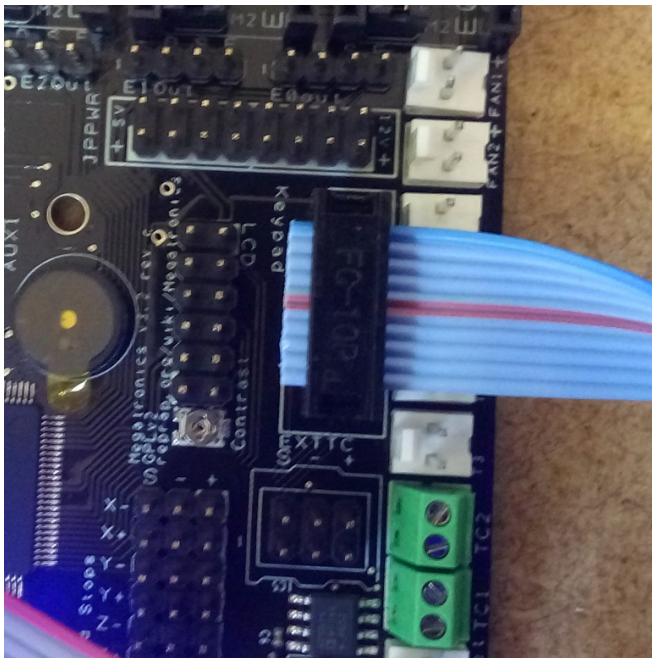


Connecting the keypad header



Cut the 10-way wire and twist wire 2 and 3.



Pin 1 is located at the top.

In the firmware change the following values for the pin layout:

```
#define BTN_EN1    45
#define BTN_EN2    34
#define BTN_ENC 43

#if ENABLED(REPRAPWORLD_GRAPHICAL_LCD)

#define LCD_PINS_RS    56 // CS chip select / SS chip slave select
#define LCD_PINS_ENABLE 51 // SID (MOSI)
#define LCD_PINS_D4    52 // SCK (CLK) clock
#define SD_DETECT_PIN  42

#else
```

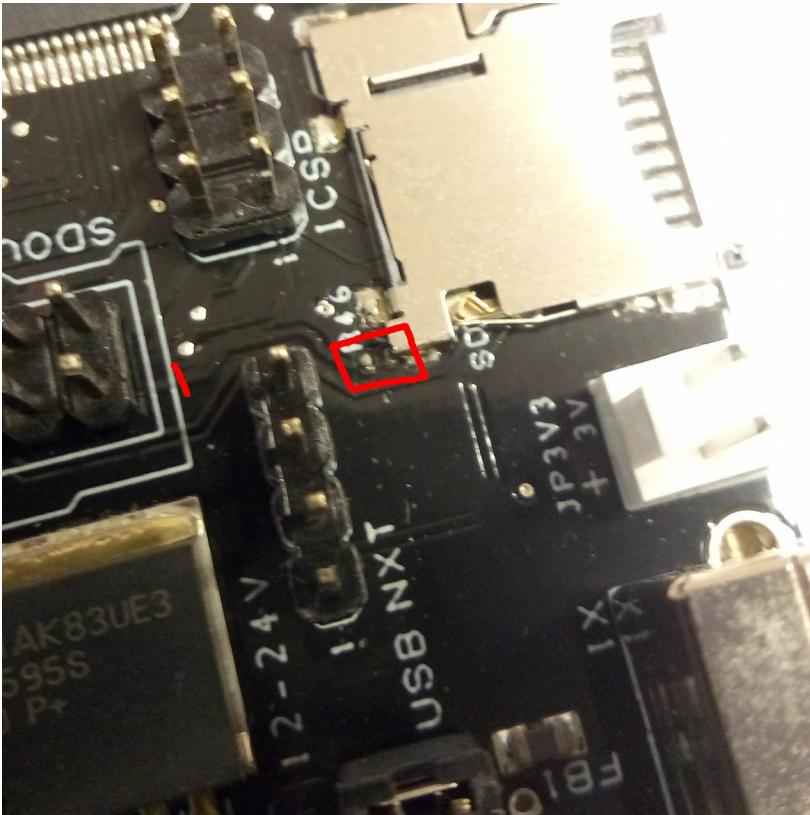
```
#define LCD_PINS_RS    32
#define LCD_PINS_ENABLE 31
#define LCD_PINS_D4    14
#define LCD_PINS_D5    30
#define LCD_PINS_D6    39
#define LCD_PINS_D7    15

#define SHIFT_CLK      33
#define SHIFT_LD       42
#define SHIFT_OUT      35
#define SHIFT_EN       45

#if MB(MEGATRONICS_31)
  #define SD_DETECT_PIN 56
#endif

#endif
```

Fixing graphical LCD



Either remove component R46 or carefully cut the trace at the red line