



NUMPAD CUSTOM

Proyecto Final



HARDWARE

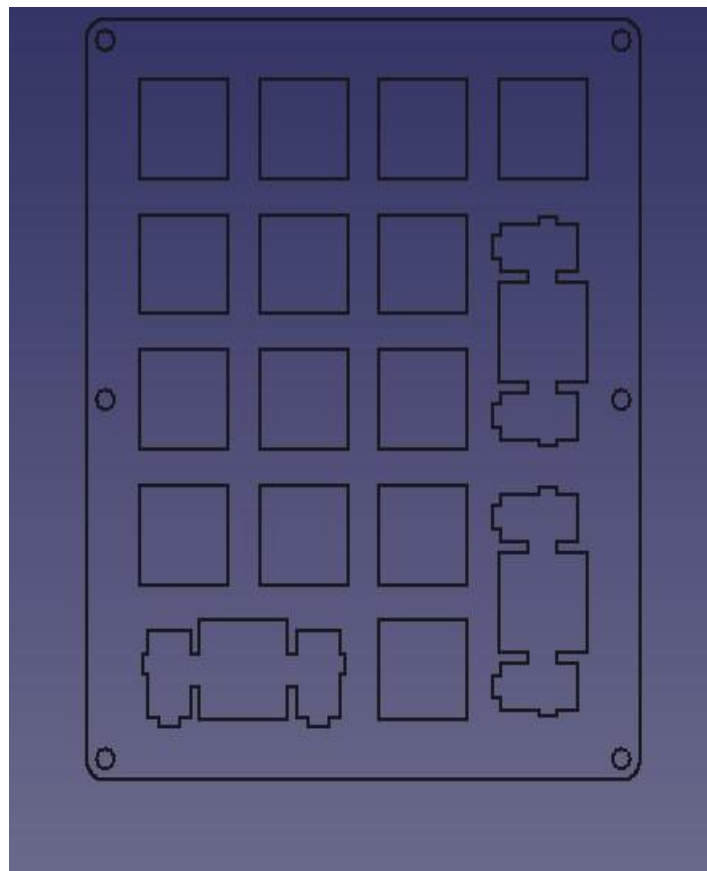
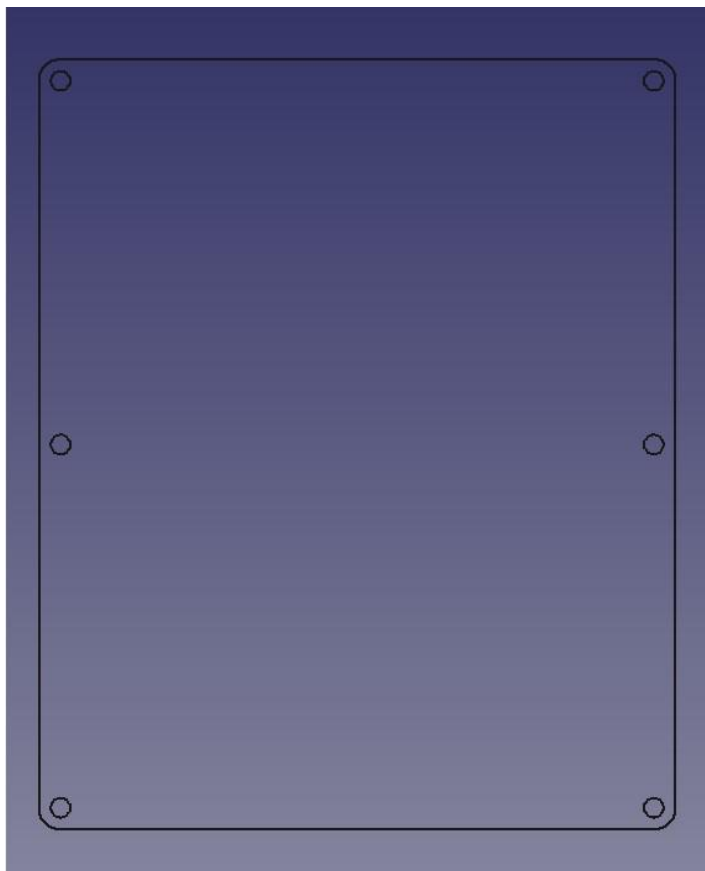
- 17 diodos
- 17 keycaps
- Teensy 2.0
- Cable USB a USB-C
- Soldador
- Estaño
- 17 switches Gateron Brown

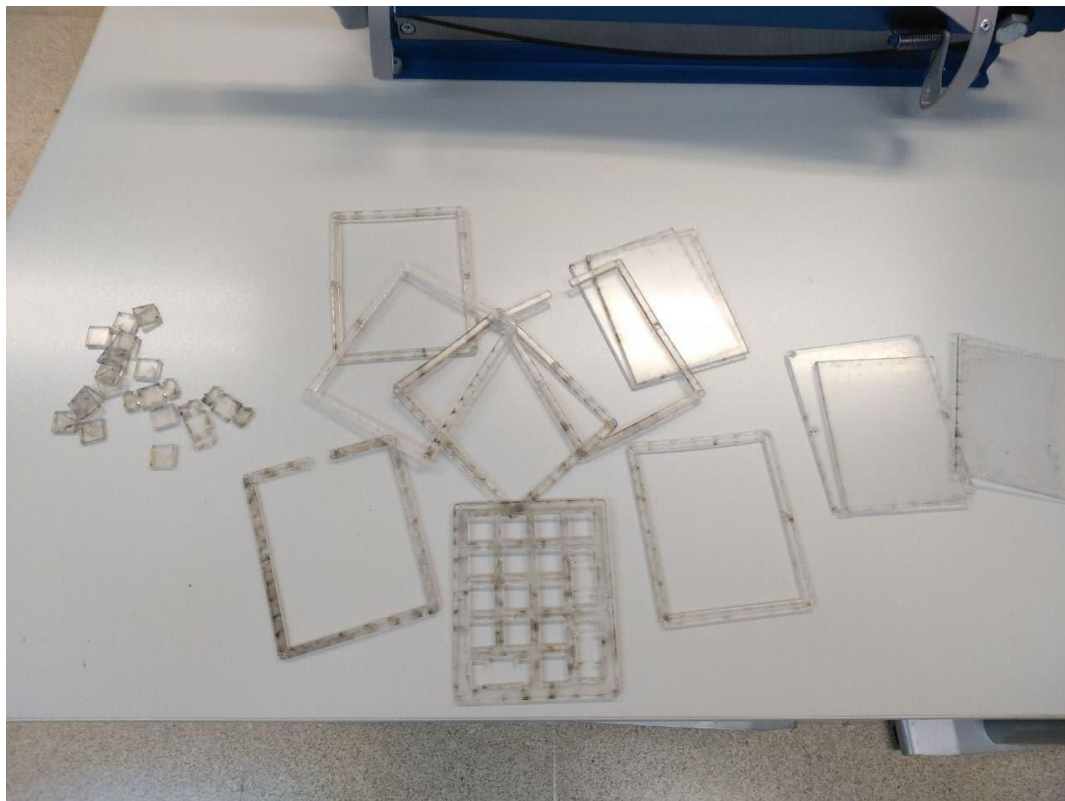
SOFTWARE

QMK

https://beta.docs.qmk.fm/developing-qmk/c-development/compatible_microcontrollers

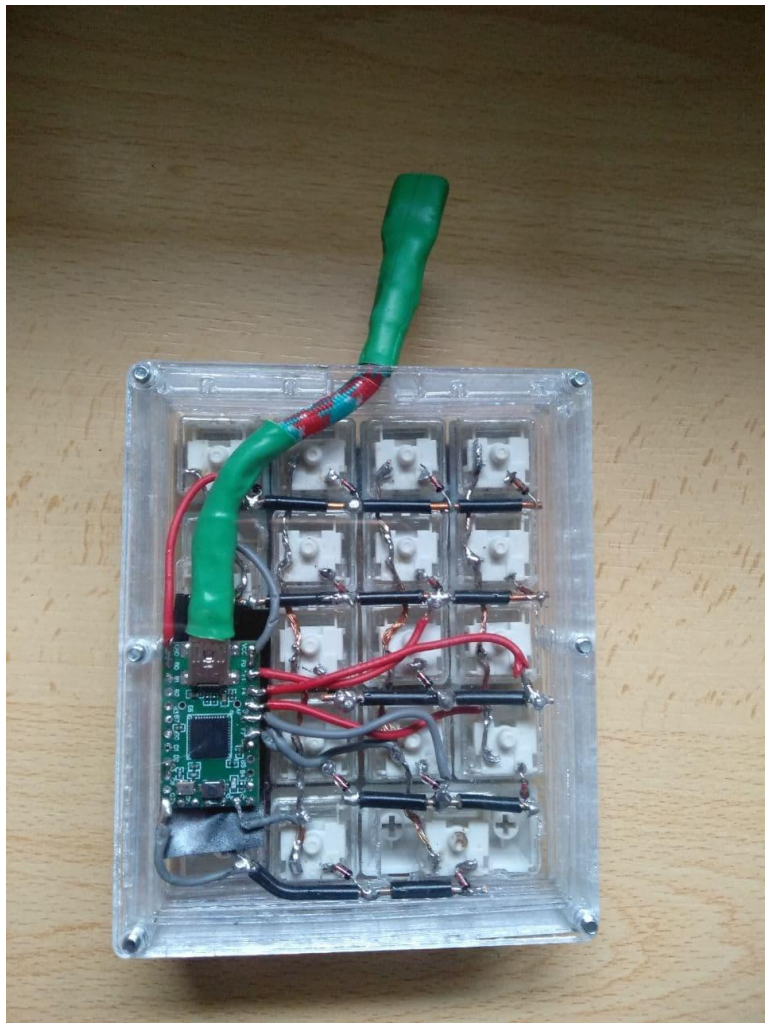













```

/* USB Device descriptor parameter */
#define VENDOR_ID      0xFEED
#define PRODUCT_ID      0x6060
#define DEVICE_VER      0x0001
#define MANUFACTURER    LaguilarGXiqqdd99
#define PRODUCT          PDIH-numpad
#define DESCRIPTION      PDIH-numpad

```

```

#define LAYOUT( \
    K00, K01, K02, K03, \
    K10, K11, K12, K13, \
    K20, K21, K22, \
    K30, K31, K32, \
    K41, K42, K43 \
) { \
    { K00, K01, K02, K03 }, \
    { K10, K11, K12, K13 }, \
    { K20, K21, K22, KC_NO }, \
    { K30, K31, K32, KC_NO }, \
    { KC_NO, K41, K42, K43 } \
}

```

```

/* key matrix size */
#define MATRIX_ROWS 5
#define MATRIX_COLS 4

/* key matrix pins */
#define MATRIX_ROW_PINS { B0, F1, F4, F6, C7 }
#define MATRIX_COL_PINS { F5, F7, D4, F0 }
#define UNUSED_PINS

/* COL2ROW or ROW2COL */
#define DIODE_DIRECTION COL2ROW

```

https://beta.docs.qmk.fm/developing-qmk/c-development/hardware_avr#keyboard-matrix-configuration

https://beta.docs.qmk.fm/developing-qmk/c-development/hardware_avr#less-than-keyboard-greater-than-h

```
#include "PDIH.h"

enum layer_names {
    _BASE,
};

const uint16_t PROGMEM keymaps[][MATRIX_ROWS][MATRIX_COLS] = {

    [_BASE] = LAYOUT(
        KC_NUMLOCK, KC_PSLS, KC_KP_ASTERISK, KC_KP_MINUS,
        KC_KP_7, KC_KP_8, KC_KP_9, KC_KP_PLUS,
        KC_KP_4, KC_KP_5, KC_KP_6,
        KC_KP_1, KC_KP_2, KC_KP_3,
        KC_KP_0, KC_KP_DOT, KC_KP_ENTER
    )
};
```

https://beta.docs.qmk.fm/using-qmk/simple-keycodes/keycodes_basic#number-pad

Abrir

keymap.c

-/qmk_firmware/keyboards/PDII/keymaps/default

Guardar

franciscoatterribas@pop-os~

Q

config.h

keymap.c

PDIH.h

```
1 #include "PDIH.h"
2
3 enum layer_names {
4     _BASE,
5 };
6
7 const uint16_t PROGMEM keymaps[][MATRIX_ROWS][MATRIX_COLS] = {
8
9     [_BASE] = LAYOUT(
10         KC_NUMLOCK, KC_PSLS, KC_KP_ASTERISK, KC_KP_MINUS,
11         KC_KP_7, KC_KP_8, KC_KP_9, KC_KP_PLUS,
12         KC_KP_4, KC_KP_5, KC_KP_6,
13         KC_KP_1, KC_KP_2, KC_KP_3,
14         KC_KP_0, KC_KP_DOT, KC_KP_ENTER
15     )
16 };
```

```
franciscoatterribas in ~ ^ qmk compile -kb PDII -km default
^ Compiling keymap with gmake -j 1 PDII:default

QMK Firmware 0.12.34
Making PDII with keymap default

avr-gcc (GCC) 5.4.0
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Esto es software libre; vea el código para las condiciones de copi
a. NO hay
garantía; ni siquiera para MERCANTIBILIDAD o IDONEIDAD PARA UN PRO
PÓSITO EN
PARTICULAR

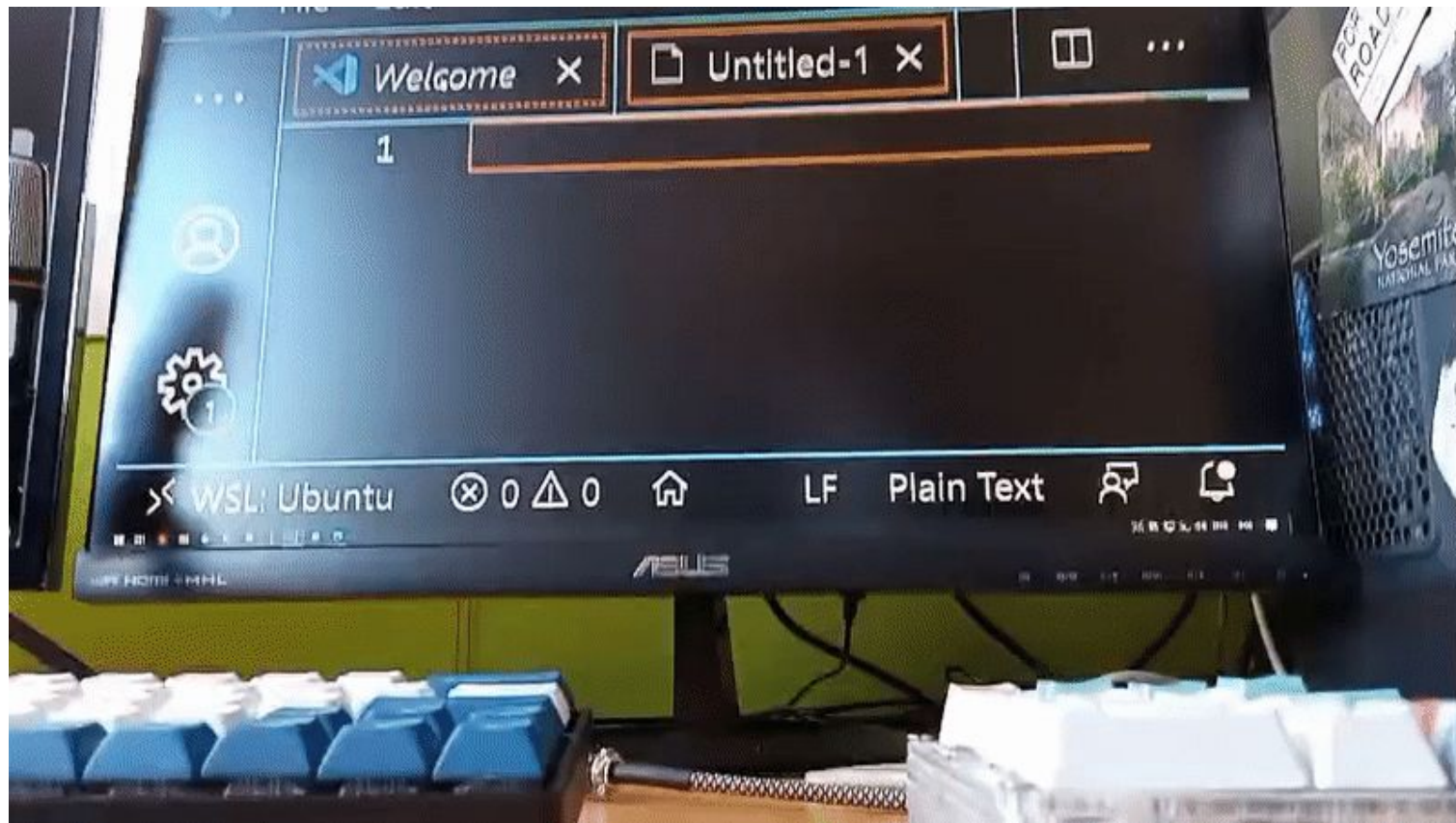
Compiling: keyboards/PDII/PDIH.c [OK]
Compiling: keyboards/PDII/keymaps/default/keymap.c [OK]
Compiling: quantum/quantum.c [OK]
Compiling: quantum/send_string.c [OK]
Compiling: quantum/bitwise.c [OK]
Compiling: quantum/led.c [OK]
Compiling: quantum/keymap_common.c [OK]
Compiling: quantum/keycode_config.c [OK]
Compiling: quantum/matrix_common.c [OK]
Compiling: quantum/matrix.c [OK]
```

C

Anchura del tabulador: 8

Ln 10, Col 36

INS



<https://github.com/laguilarg99/PDIH>
<https://github.com/lqqdd99/PDIH>