Parts:

<http://winkeyless.kr/>

<https://www.reddit.com/r/gatech/comments/3nzg24/any_local_places_to_find_aluminum_stock/>

<https://www.adafruit.com/products/1376>

<http://www.ebay.com/itm/USB-2-0-Hub-controller-1-USB-to-4-USB-IC-FE1-1S-Multiple-USB-converter-/110986367358>

<http://www.issi.com/WW/pdf/31FL3731.pdf>

Manufactures:

<https://oshpark.com/>

<https://www.reddit.com/r/MechanicalKeyboards/comments/2caueu/looking_to_build_a_custom_pcb_for_a_keyboard/>

<http://www.pcbway.com/>

RGB Underglow:

<https://www.reddit.com/r/MechanicalKeyboards/comments/46vcqw/yagp_yet_another_glowy_planck/>

<https://www.reddit.com/r/MechanicalKeyboards/comments/42tgmz/dark_rainbow_adding_rgb_underglow_to_a_planck_pcb/>

Firmware:

<https://github.com/jackhumbert/qmk_firmware/>

<https://deskthority.net/workshop-f7/how-to-use-a-pro-micro-as-a-cheap-controller-converter-like-soarer-s-t8448.html>

<https://github.com/cpldcpu/light_ws2812/tree/master/light_ws2812_AVR>

<https://geekhack.org/index.php?topic=51252.0>

<https://deskthority.net/workshop-f7/brownfox-step-by-step-t6050.html>

Push Hex Firmware:

<http://www.atmel.com/tools/FLIP.aspx>

PCB Design:

<http://imgur.com/a/FbJg9>

<file:///C:/Users/David/Downloads/Kicad_Basics.pdf>

<https://www.reddit.com/r/MechanicalKeyboards/comments/4cgqc3/sneak_peek_of_the_6260_a_fullrgb_hotswappable_60/>

Build Logs:

<https://www.reddit.com/r/MechanicalKeyboards/comments/46vcqw/yagp_yet_another_glowy_planck/>

-Led Strip

-Planck

-Firmware

<https://www.reddit.com/r/MechanicalKeyboards/comments/40qwqr/reviewso_you_want_to_build_a_custom_keyboard_eh/>

<http://missourivalleyambulance.com/2016-04-19-Satan-GH60-Build-Log>

LED Strip

ATMega Pin out

Entire firmware process

<https://www.reddit.com/r/MechanicalKeyboards/comments/4l0p41/guide_detailed_guide_to_making_a_custom_keyboard/>

Design tutorial

<http://blog.winkeyless.kr/192>

Includes closeups of PCB

Includes RGB leds

<https://www.reddit.com/r/MechanicalKeyboards/comments/4l6esg/photos_65_neutrino_with_65g_zealios_and_dsa_quartz/>

Backlight LED strip

<https://www.reddit.com/r/MechanicalKeyboards/comments/2vz1hz/modification_custom_portal_themed_60_board_and_a/>

LED Firmware relseased

<https://www.reddit.com/r/MechanicalKeyboards/comments/46vcqw/yagp_yet_another_glowy_planck/>

RGB Backlight

Backight Keys

<https://www.reddit.com/r/MechanicalKeyboards/comments/42mn3y/serpent_and_the_rainbow_satan_qmk_rgb/>

RGB LED Firmware

Case:

<https://www.reddit.com/r/MechanicalKeyboards/comments/3rf82i/i_built_a_keyboard_from_scratch/>

<https://www.reddit.com/r/MechanicalKeyboards/comments/4l6esg/photos_65_neutrino_with_65g_zealios_and_dsa_quartz/>

<https://www.reddit.com/r/MechanicalKeyboards/comments/4k866h/photos_redscarf_and_gmk_in_the_grass/>

<https://www.reddit.com/r/MechanicalKeyboards/comments/4f7zpt/nearly_complete/>

<https://www.reddit.com/r/MechanicalKeyboards/comments/3vjwaq/naked_bface/>

<https://www.reddit.com/r/MechanicalKeyboards/comments/3n6bqh/b87_with_some_delicious_dolch/>

<https://www.reddit.com/r/MechanicalKeyboards/comments/4b73rr/korean_beauty/>

<https://www.reddit.com/r/MechanicalKeyboards/comments/4mjhv4/moon_case_for_the_planck/>

<https://www.reddit.com/r/MechanicalKeyboards/comments/3gqi6b/photos_b87_build_log_maybe_an_endgame_board/>

<https://www.reddit.com/r/MechanicalKeyboards/comments/3uo0c6/red_scarf_84_featuring_pulse_with_build_log/>

PCB Files:

<https://github.com/kiibohd/pcb/tree/master/IC60>

<https://input.club/devices/infinity-keyboard>

<https://github.com/kiibohd/pcb>

Tools:

<http://www.keyboard-layout-editor.com/>

<http://builder.swillkb.com/>

Cables:

<https://www.reddit.com/r/MechanicalKeyboards/comments/3knyp5/helpguidepretty_diy_usb_cables_sleeved_and_coiled/>

Bluetooth:

<https://www.reddit.com/r/MechanicalKeyboards/comments/1qz5jd/i_couldnt_find_a_mechanical_bluetooth_keyboard/>

<https://www.reddit.com/r/MechanicalKeyboards/comments/23p3lx/adafruits_bluefruit_ezkey_easy_bluetooth_keyboard/>

<https://www.reddit.com/r/MechanicalKeyboards/comments/3psx0q/the_planck_keyboard_with_bluetooth_guide_and/>

Layout Tips:

I usually set the grid to 0.75" divided by 8 or 16, that is 0.09375" or 0.046875". Then you can use 's' to snap the grid origin to wherever you want. Activate the trace tool and hover over the central pad for a switch. The tool will "magnetically" snap to that pad. Hit 's' and set the origin there. Then you can use the 0.09375" grid to place components correctly.