SEQ V4+

Around November 2016 I embarked upon a new version of the SEQ v4. Some initial concepts had an integrated 16*4 BLM included, but the idea was refined to something simpler.

The goals of the project are to provide an upgraded control surface with high-quality hardware. This includes Matias keyswitches rated at 50M cycles and a streamlined workflow with a dedicated button row.

Although I (latigid on) have done most of the design and prototyping, I am in communication with TK. who will cover the software changes to get the new control surface up and running. I've also had a lot of collaboration with Adrian Hallik who is looking at a case design.

Required modules

The following components are intended to comprise a full SEQ V4+:

- Ie MEC (*2 required)
    - Beat LED (optional but recommended)
- ENC-PLATE (*2 required)
- JOG
- Two 40*2 OLED displays (details later)
- A wCoreF4 including:
    - wCoreF4 PCB
    - USB-power module
    - RES-SD module
- MIDI8
- I2C
- line-transmit
    - in effect there is space for a DB-25 expansion port, so alternative options are possible.

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