In progress, pictures and specifications not yet added

Rotary Encoder: A “standard” 16mm, 24 detent, 24 pulse encoder, however the shaft length and bushing must match. They are the same ones as used on the MB-6582.

If you already have encoders from Voti: http://www.voti.nl/winkel/catalog.html?SW-ROT or from a bulk order for Soundwell, then these will work.

Datawheel Knob:

ALBS P/N 866003, Drehknopf DK38-144 A.6/4,5 schwarz gerillt mit Fingermuld, datasheet: http://www.albs.de/ecom/images/866003.pdf

Note also the rotary encoder for the datawheel is “panel mounted” to the PCB, so you can adjust it's height down by maybe 5mm max. and also optionally mount it above the PCB. Also, you can adjust how much you push the knob onto the rotary encoder shaft, or shorten the shaft (it's a plastic shaft) to suit other kinds of datawheel knobs.

Switch: http://www.digikey.com/scripts/DkSearch/dksus.dll?Detail?name=EG1821-ND
http://www.mouser.com/search/ProductDetail.aspx?qs=7Bi7Dg8SEnw0f0sbwKIXZA%3d%3d

* switch is a “standard” 12x12mm tactile switch, but the rectangular switch cap specified below requires this exact switch.

Switch cap (black): http://www.digikey.com/scripts/DkSearch/dksus.dll?Detail?name=401-1152-ND
http://www.mouser.com/Search/ProductDetail.aspx?qs=qUgWstB0J2Od%252btwj9sasJw%3d%3d

* switch cap requires the switch specified above.

MIDI socket: http://search.digikey.com/scripts/DkSearch/dksus.dll?Detail?name=CP-1235-ND

Power switch:
http://www.mouser.com/Search/ProductDetail.aspx?qs=ewGlpqF2icnsBB85JMTsOw%3d%3d

Power socket:
http://www.mouser.com/Search/ProductDetail.aspx?qs=4bc6C%252bcluO4fnW%2f1OprFbw%3d%3d

Bicolor LEDs (red/green, 3mm, diffused, common cathode): Mouser 859-LTL1BEKVJNN
http://www.mouser.com/Search/ProductDetail.aspx?qs=RgVUBjWRgaCkUwHnXSBfYg%3d%3d

10k 6 Pin SIL resistor network: Mouser 264-10K-RC
http://www.mouser.com/Search/ProductDetail.aspx?qs=%252bVbJVVxFI2tJO43guEitAw%3d%3d

Ceramic Cap 100nF=.1uF “104” (small axial to fit inside DIP-16 IC socket): Mouser 80-C412C104K5R
http://www.mouser.com/Search/ProductDetail.aspx?qs=TOu4hTA4Gk%2fBW6gm%252bN6zDg%3d%3d

74HC165: Mouser 511-M74HC165
http://www.mouser.com/Search/ProductDetail.aspx?qs=Mu9A%252bxKg3hTmyJWEPt0thA%3d%3d

74HC595: Mouser 511-M74HC595
http://www.mouser.com/Search/ProductDetail.aspx?qs=lgHKUCmDFtiUPdphCdakWQ%3d%3d

16-pin DIP IC socket: Mouser 571-1-390261-4

http://www.mouser.com/Search/ProductDetail.aspx?qs=VZ9FDhhp7Sk4VC7kJdoJYg%3d%3d

1N4148 (small signal diode): Mouser 512-1N4148
http://www.mouser.com/Search/ProductDetail.aspx?qs=i4Fj9T%2foRm8RMUhj5DeFQg%3d%3d

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