



DOEPFER

R2M RIBBON TO MIDI INTERFACE

PRESET



STORE



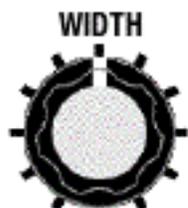
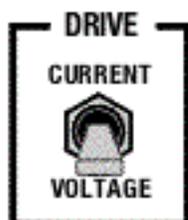
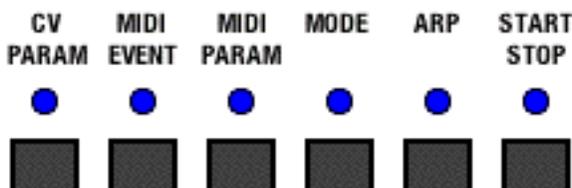
NEXT



PREV



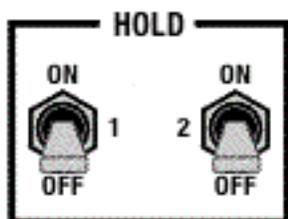
2 | Start/Stop [1]  
1 | Tempo (BPM): 120



MIDI IN



MIDI OUT



GATE 1



GATE 2



GATE 3



BAT'LETH



HOLD 1



HOLD 2



CV 1



CV 2



CV 3



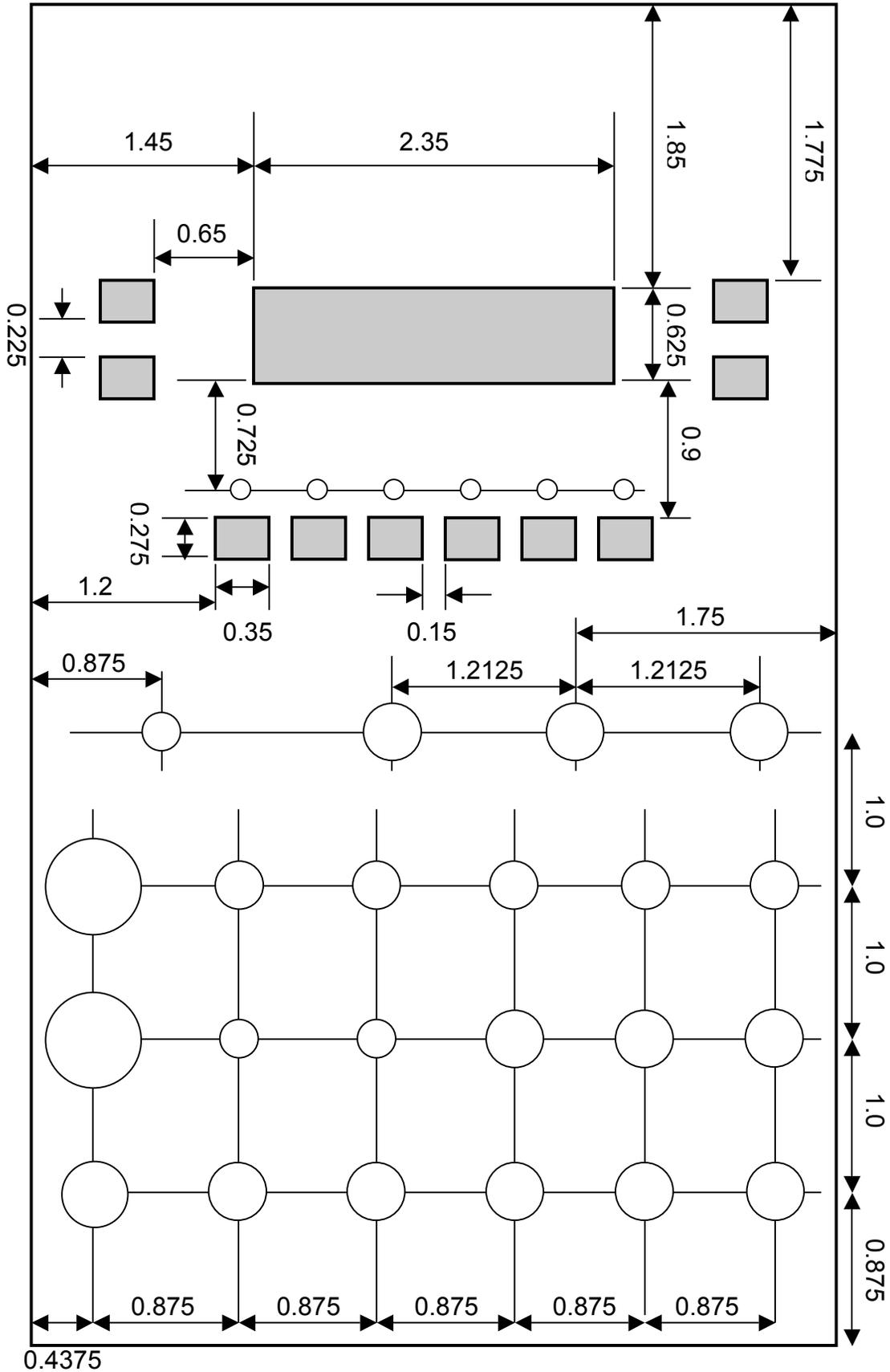
THE TELLUN CORPORATION  
TLN-854 SWORD OF KAHLESS

All dimensions in inches.

Panel Size: 5.25" (W) x 8.75" (H)

Display Bezel Cutout: 2.35" (W) x 0.635" (H)

Button Cutouts (10 buttons): 0.35" (W) x 0.275" (H)



## Notes

1. Top of panel to top of display bezel: 1.85"
2. Bottom of display bezel to top of 6 buttons in a row (CV PARAM, MIDI EVENT, MIDI PARAM, MODE, ARP, START STOP): 0.9"
3. Bottom of display bezel to centre of 6 LEDs (above the row of 6 buttons): 0.725"
4. Horizontal space between each button (the row of 6 buttons): 0.15"
5. Left side of display bezel to right side of PRESET and STORE buttons (the left column of 2 buttons): 0.65"
6. Right side of display bezel to left side of NEXT and PREV buttons (the right column of 2 buttons): 0.65"
7. Vertical space between buttons (the left and right columns of 2 buttons): 0.225"
8. The jacks, switches, and LEDs on the bottom half of the panel are on the standard MOTM grid.
9. The 3 potentiometers are not on the standard MOTM grid, they use the same pot spacing as the UEG and Frequency Shifter from Encore Electronics. The horizontal spacing between each pot is 1.2125". The centre of the middle pot (WIDTH) is 1.75" from the right edge of the panel (centred between the LEDs and jacks that are below it).
10. The MIDI IN and MIDI OUT jacks require holes 0.625" in diameter. With the jack in place, the total diameter is 0.70" (see spec sheet for Mouser #16HR655). The labels for the MIDI jacks should be placed high enough so that they won't be covered up by the MIDI jack when it's installed.
11. The jack for the Bat'leth (aka the Doepfer manual) connector, located in the bottom left corner of panel, can be any 5 pin connector, including a DIN jack (same as the MIDI jacks). The label for this jack should also be placed high enough so that it won't be covered up by a DIN jack (if a DIN jack is used).
12. The 6 LEDs on the R2M are rectangular, 0.2" (W) x 0.1" (H). Rather than try to cut such small rectangles in the panel for the LEDs to pass through, it will be much easier to replace these with standard T1 (3 mm) LEDs and then simply drill 1/8" holes at the locations shown in the panel layout.

## Hole Sizes:

1. 6 LEDs above the 6 square buttons: 1/8".
2. 3 pots: 3/8".
3. 3 switches: 1/4".
4. 5 LEDs above the jacks/switches: 5/16".
5. 2 MIDI connectors: 5/8".
6. Bat'leth (using lemo connector): 15/32".
7. 8 jacks: 3/8".