

LED clock

Written by Hans Summers

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Clock by [Anders Lendrup](#) , Sweden

This digital clock was based on my [Sidereal Clock](#) circuit but uses 5mm red LED's in place of the 7-segment LED's I used, with 3 such LED's per segment.

[Anders](#)

designed a PCB for the project, and used a quartz-crystal timebase without the sidereal modification, so his clock tells normal time. At the left of the board is the voltage regulator heatsink, below that the crystal timebase. The small grey cables at the top left are the reset and blanking modifications described above.



The photographs below show the clock in operation, although without the red optical filter the contrast of the LED display isn't enough for the time to be easily visible in the picture. By using some image processing filters I was able to enhance the display in the left photograph to show the time clearly: 22:59:38 (see right).

{gallery}gallery1/pics{/gallery}