BNS Solutions

RENESAS

QUICK START GUIDE:
LOW POWER DISPLAY SOLUTION KIT

DEMO INTRODUCTION AND INSTRUCTIONS

The Eink Low Power Display Solution Kit demonstrates the use of an Eink segmented display driven directly from a Renesas **RL78G14** microcontroller using digital I/O port pins. The display's requirements dictate the use of a 5V Vcc to drive the segments. Here is the location of the USB connector and the three user push-buttons:

The kit comes pre-programmed with two demos. The kit requires power from a USB port and button S3 is used to switch between demos.

Stopwatch Demo Mode
- The stopwatch mode is controlled with S1 and S2 in the following way:
- S1: Reset the counter to "0"
- S2: Start/Stop count and toggles "black on white" and "white on black" mode
- The counter will roll over to 0 when the max value of the display is exceeded

Counter Demo Mode
- S1: Count up
- S2: Count Down
- The counter will not roll over to 0 when the max value of the display is exceeded
- The counter will not roll under to max when "down" is pressed at 0

The Renesas Promotion Board (RPB) is a standard RL78/G14 RPB with female connectors soldered on the reverse side and custom code residing in the Flash memory. It can be returned to "standard RPB" configuration using downloadable code from the Renesas website.

LOW POWER DISPLAY SOLUTION KIT

Additional resources

http://am.renesas.com/rl78eink

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