

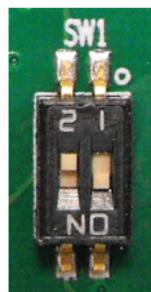
QUICK START

KEY FEATURES

- Using the RL78/L1A LCD device with rich analog features of 12-bit ADC & DAC, comparators and R2R OPAMP multiplex function.
- Ultra Low power mode with intelligent smart features like DTC and ELC to reduce CPU load.
- 128 x 128 Colour Dot Matrix PMOD Display used for GUI control and demo display.
- Demonstration with oscilloscope and signal generator functions plus data logging.

RUNNING THE DEMONSTRATION

1. Ensure that SW1 pin 1 is set to “ON” and SW1 pin 2 is set to “OFF”.
2. Connect display to PMOD connector CN5.
3. Connect the RPBRL78/L1A CN1 to the PC using the USB-mini cable supplied. The demonstration will start.
4. Pot R43 can be used to navigate the on-screen menu (adjustment shaft supplied). Switch SW4 selects the current option. The oscilloscope and signal generators can be adjusted independently within the menus.
5. Datalog mode samples the oscilloscope voltage at regular intervals and transmits this to the PC via the USB/serial interface to any terminal program as a voltage in mV in csv format. The serial format is 115200 baud 8N1.



SUPPORT

Software & further documentation for this Renesas kit is available for download from:

www.renesas.com/RPB-RL78-L1A

Note: Windows™ users may see “User Account Control” dialog box. If applicable, enter the administrator password and click ‘Yes’. Windows™ 10 users may see “Windows Security” dialog boxes, in each case click ‘Install’. The Windows™ driver signing dialog box may be displayed. Please accept the driver to continue.

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