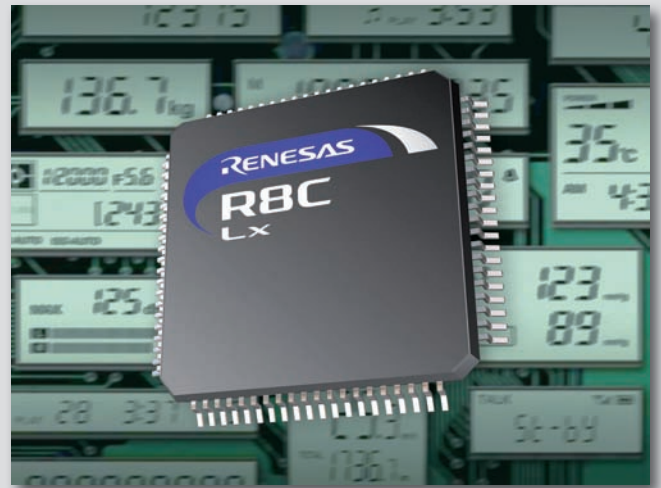


R8C/Lx-SLP Microcontrollers with 10 nA STOP Current



The exciting new R8C/Lx Super Low Power microcontrollers from Renesas bring new levels of extremely low power to a wide range of LCD microcontroller applications, such as water and gas meters, heating controllers, blood pressure meters, smart sensors, and many many more...

- Huge range of LCD devices
- 1.8 V – 5.5 V operation
- 1.8 V – 5.5 V flash program / erase
- Full Real Time Clock Calendar with alarm, regulator interrupt and calibration functions
- 1.8 V 10-bit ADC with Gain Amplifier & on chip voltage Reference
- On chip temp sensor
- 2 channel low power comparators

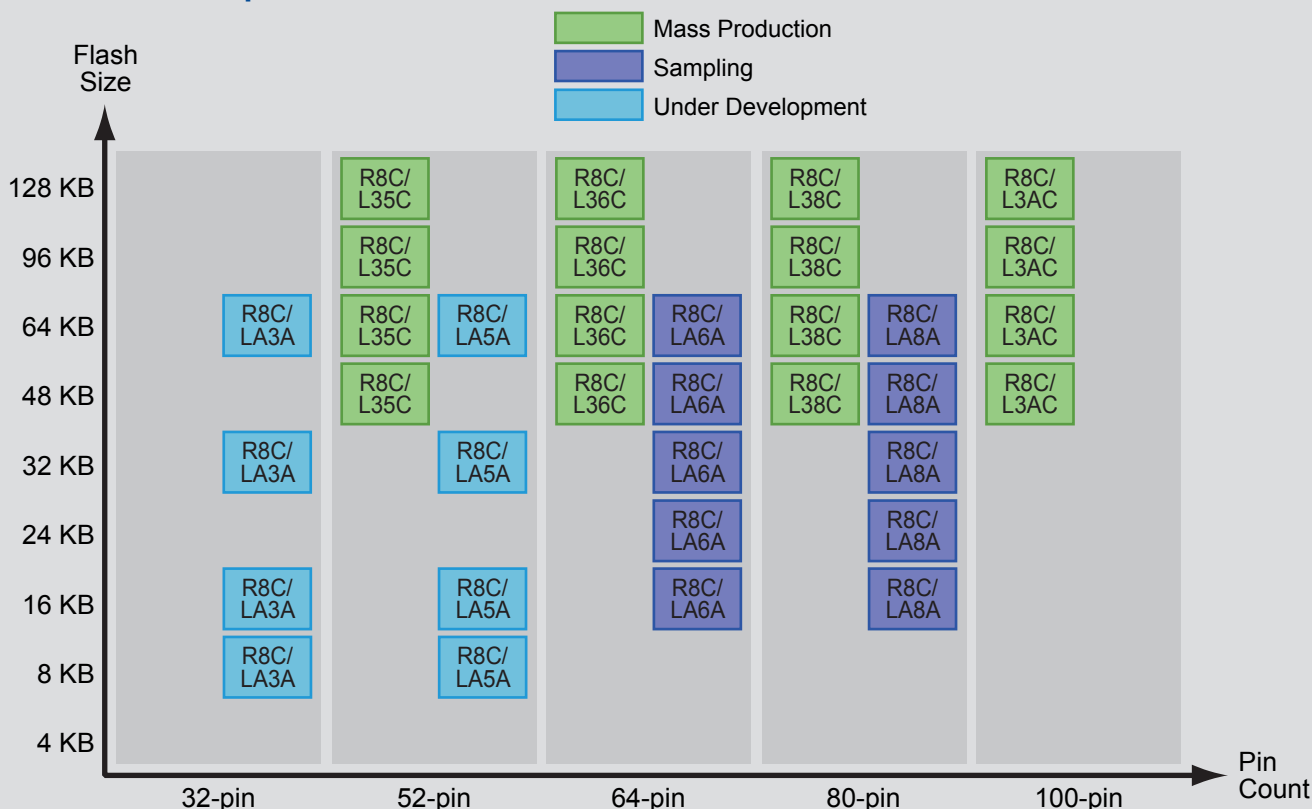


Save power with the R8C/Lx-SLP's market leading power consumption

- 10 nA Power off mode operation
 - 1.2 μ A with RTC working (SRAM and I/O retained)
 - 3.2 μ A with RTC & LCD working
 - 4.7 mA at 20 MHz, 5 V
- **Samples available now of the 52- & 64-pin versions**

SRAM	R8C CPU	Flash
Timer RB	Data Flash 2 x 1 kbytes	Ring Oscillator
Timer RB	USART	12 ch 10-bit ADC
Timer RC	UART FC	
Timer RJ	SSU FC	2 ch Comperator
RTC (RH)	Watchdog	40 x 4 LCD
Timer RJ	Timer RJ	
Temperature Sensor	LVD	POR
72 I/O (10 Iol / Ioh = +/- 20 mA)		

R8C/Lx Roadmap

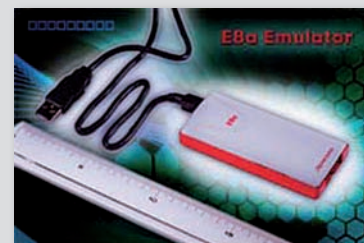


R8C/Lx-SLP Low cost tools

E8a – In circuit debugger:

In circuit debugger supporting all of the R8C family (and many H8 and M16C micro-controllers) including the R8C/Lx-SLP.

Ordering code: **R0E0008AKCE00**



R8C/Lx RSK – Evaluation board:

Contains everything needed for evaluation and development of projects using the R8C/Lx-SLP, including a R8C/Lx-SLP evaluation board, E8a on chip debugger, a copy of the High performance Embedded Workshop (HEW) development environment and an evaluation compiler package, (unlimited for 60 days then code limited to 64k).

Ordering code: **R0K502LA8S000BE – Available October 2010**



Flash Development Toolkit

Flash programming software for the PC Can be downloaded Free of Charge from our website at www.renesas.com

Before purchasing or using any Renesas Electronics products listed herein, please refer to the latest product manual and/or data sheet in advance.

