

8-bit MCUs Significantly Reduce System Cost in Automotive Electronics

Silicon Laboratories Inc.'s new line of highly C8051F5xx automotive-qualified microcontrollers (MCUs) enable a dramatic reduction in system cost and footprint in body electronics applications. The highly integrated C8051F5xx family eliminates the need for discrete analog components and offers industry-leading throughput, reducing code size and further lowering system cost. The new pin- and software-compatible 8-bit devices are ideal for cost-sensitive, space-constrained embedded body control applications, such as fan control, seat adjustment, window lifters and fuel tank sensors. The F5xx automotive MCUs offer an impressive level of mixed-signal integration, creating a compact footprint as small as 4 x 4 mm with a system cost savings of more than \$0.50 compared to competing solutions.

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