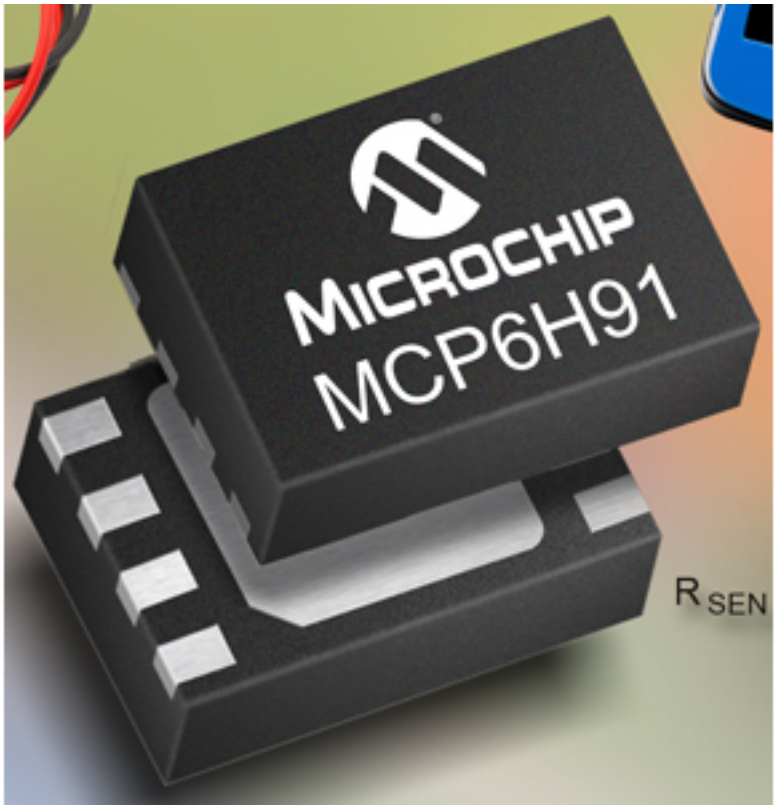
Op amps provide easy migration path from 2.7 MHz to 10 MHz



Microchip Technology announced three new families—the MCP6H7X/8X/9X—of low-power, general-purpose operational amplifiers [1] (op amps) that expand the range to 12V supply voltages. Because they maintain the same pin outs and features of Microchip's existing 6V and 16V families, designers can easily migrate to the ideal voltage rail, along with the new families' higher-speed Gain Bandwidth Product (GBWP) range of 2.7-10 MHz. Additionally, all nine members of the new families are available in single, dual and quad configurations.

Designers often have to compensate for noise from transients in the power supply or the common-mode voltage. With high Common Mode Rejection Ratio (CMRR), high Power Supply Rejection Ratio (PSRR), unity-gain stable and rail-to-rail out, the new MCP6H7X/8X/9X op amps [1] are ideal for applications that operate in noisy environments, such as current sensing and power supplies for the automotive and industrial markets. Additionally, wide operating-voltage and common-mode-voltage ranges, in combination with small 2x3 mm package options, make these op amps well suited for portable and battery-powered applications in the consumer and medical markets.

"Microchip's low-voltage, low-power op amp portfolio has been widely adopted across a broad range of embedded applications," said Bryan J. Liddiard, marketing vice president of Microchip's Analog & Interface Products Division. "We're building on that success by offering the same performance in a higher voltage range."

Pricing & availability

All nine members of the new MCP6H7X, MCP6H8X and MCP6H9X op amp families [1] are available today for sampling and volume production, with prices starting at $0.54 each in 5,000-unit quantities. The MCP6H71, MCP6H72, MCP6H81, MCP6H82, MCP6H91 and MCP6H92 are all available in 8-pin SOIC and 2x3 mm TDFN packages. The MCP6H74, MCP6H84 and MCP6H94 are all available in 14-pin SOIC and TSSOP packages.

For additional information, contact any Microchip sales representative or authorized worldwide distributor, or visit Microchip's Web site at http://www.microchip.com/get/G4TD [1].

Links:
[1] http://www.microchip.com/get/G4TD