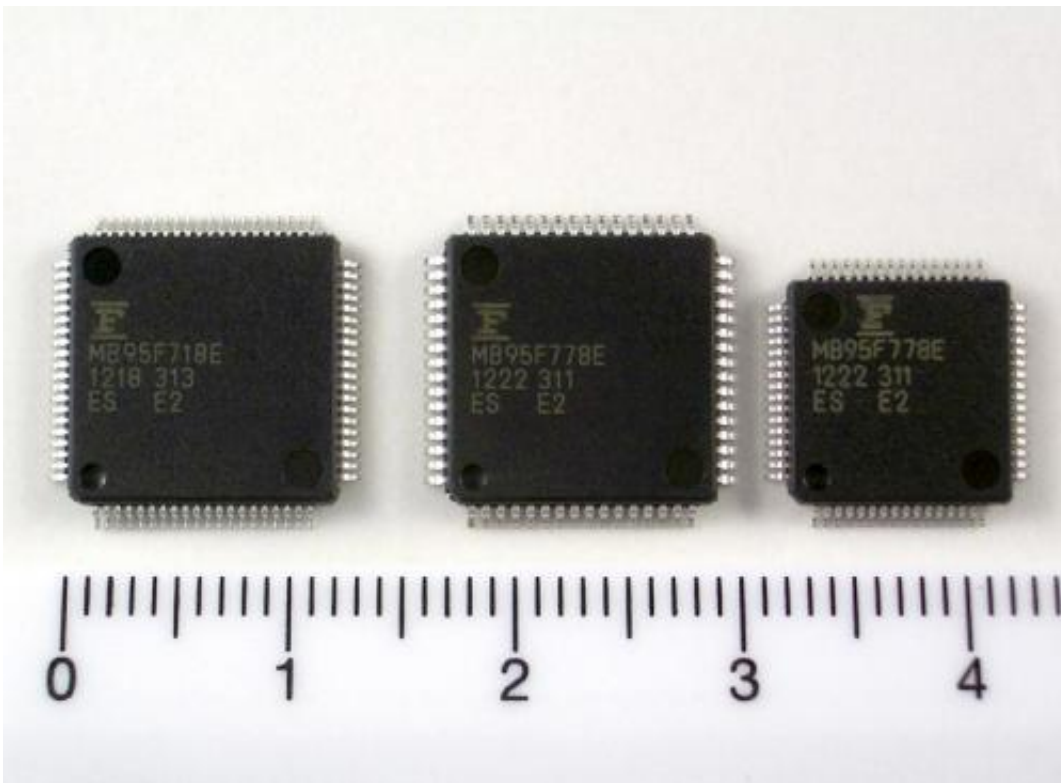


Fujitsu releases 24 new wide voltage 8-bit microcontrollers featuring LCD control functionality

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MB95770/MB95710 Series.

Fujitsu Semiconductor today announced the addition of new products to its "New 8FX" family of high-performance 8-bit microcontrollers, including 12 products from the 64-pin MB95770 Series and 12 products from the 80-pin MB95710 Series, both of which feature LCD control

functionality and support a wide voltage operation range from 1.8V to 5.5V. Sample quantities of these new products will begin shipping today.

The MB95770 Series and MB95710 Series, which feature LCD control functionality, are low-cost, low-[power consumption](#) 8-bit microcontrollers for a wide range of applications in both domestic and overseas [products](#), including display panel applications ranging from battery-powered healthcare devices such as blood pressure and [blood glucose level](#) meters, to [home appliances](#) including washing machines and air conditioner indoor units, and FA devices such as [thermometers](#) and pressure gauges.

The expansion of the market for blood pressure monitors, blood glucose level meters and other healthcare devices has led to increased demand for a wide range of different products, from tabletop devices to portable solutions. At the same time, the average unit price for these kinds of products is falling at a rate of several tens of percent per year. As a result, device manufacturers have been facing a major challenge in cutting costs by reducing the number of components required for production and by shrinking the size of the system components for such devices.

The MB95770 Series and MB95710 Series meet these demands as power-efficient microcontrollers that are available in 64- and 80-pin packages with up to 60KB of embedded [flash memory](#). In addition to featuring LCD control functionality supporting up to 224 and 288 pixels, respectively, the two series are equipped with peripheral circuits such as various timers, communications functions, high-precision A/D converters and analog comparators that are useful for general-purpose applications. By employing these new microcontrollers, manufacturers will be able to reduce the number of system components required in healthcare devices.

Supporting a wide voltage operation range from 1.8V to 5.5V, the MB95770 Series and MB95710 Series can be employed in battery-powered healthcare devices, as well as in 5V [power supply](#) circuit boards for the display components of washing machines, air conditioner indoor units, and other applications. Moreover, the new products can be used as power supply control microcontrollers that help reduce energy consumption by managing the system's power supply, or as a sub-microcontroller for added functionality in response to specification changes. Samples of the 12 new products from both the MB95770 Series and MB95710 Series will begin shipping today.

More information: Key product specifications:
jp.fujitsu.com/group/fsl/downl...elease/20120823e.pdf

Source: Fujitsu

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