16/32-bit Arm® microcontrollers; flashless, with 10-bit ADC and external memory interface

LPC2220FET144

Not Recommended for New Designs
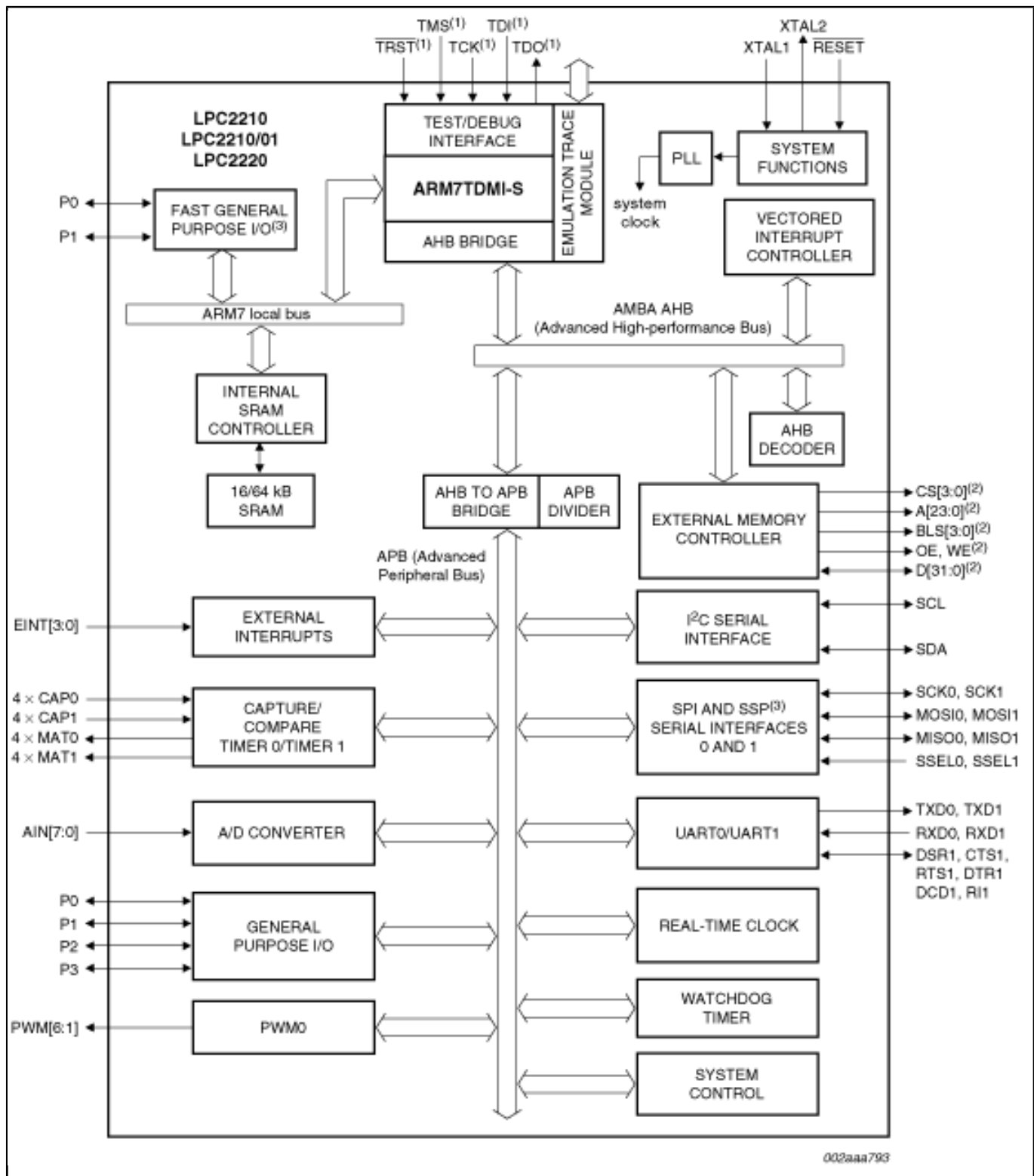This page contains information on a product that is not recommended for new designs.

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The LPC2210/2220 microcontrollers are based on a 16/32-bit Arm7TDMI-S™ CPU with real-time emulation and embedded trace support. For critical code size applications, the alternative 16-bit Thumb mode reduces code by more than 30 pct with minimal performance penalty.

With their 144-pin package, low power consumption, various 32-bit timers, 8-channel 10-bit ADC, PWM channels, and up to nine external interrupt pins these microcontrollers are particularly suitable for industrial control, medical systems, access control and point-of-sale. The LPC2210/2220 can provide up to 76 GPIOs depending on bus configuration. With a wide range of serial communications interfaces, it is also very well suited for communication gateways, protocol converters and embedded soft modems as well as many other general-purpose applications.

Remark:Throughout the data sheet, the term LPC2210/2220 will apply to devices with and without the /01 suffix. The /01 suffix will be used to differentiate LPC2210 devices only when necessary.

Block diagram: LPC2210FBD144, LPC2220FBD144, LPC2220FET144 Block Diagram

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