



16/32-bit Arm® microcontroller with CAN, 10-bit ADC and external memory interface

LPC2290FBD144

Not Recommended for New Designs

This page contains information on a product that is not recommended for new designs.

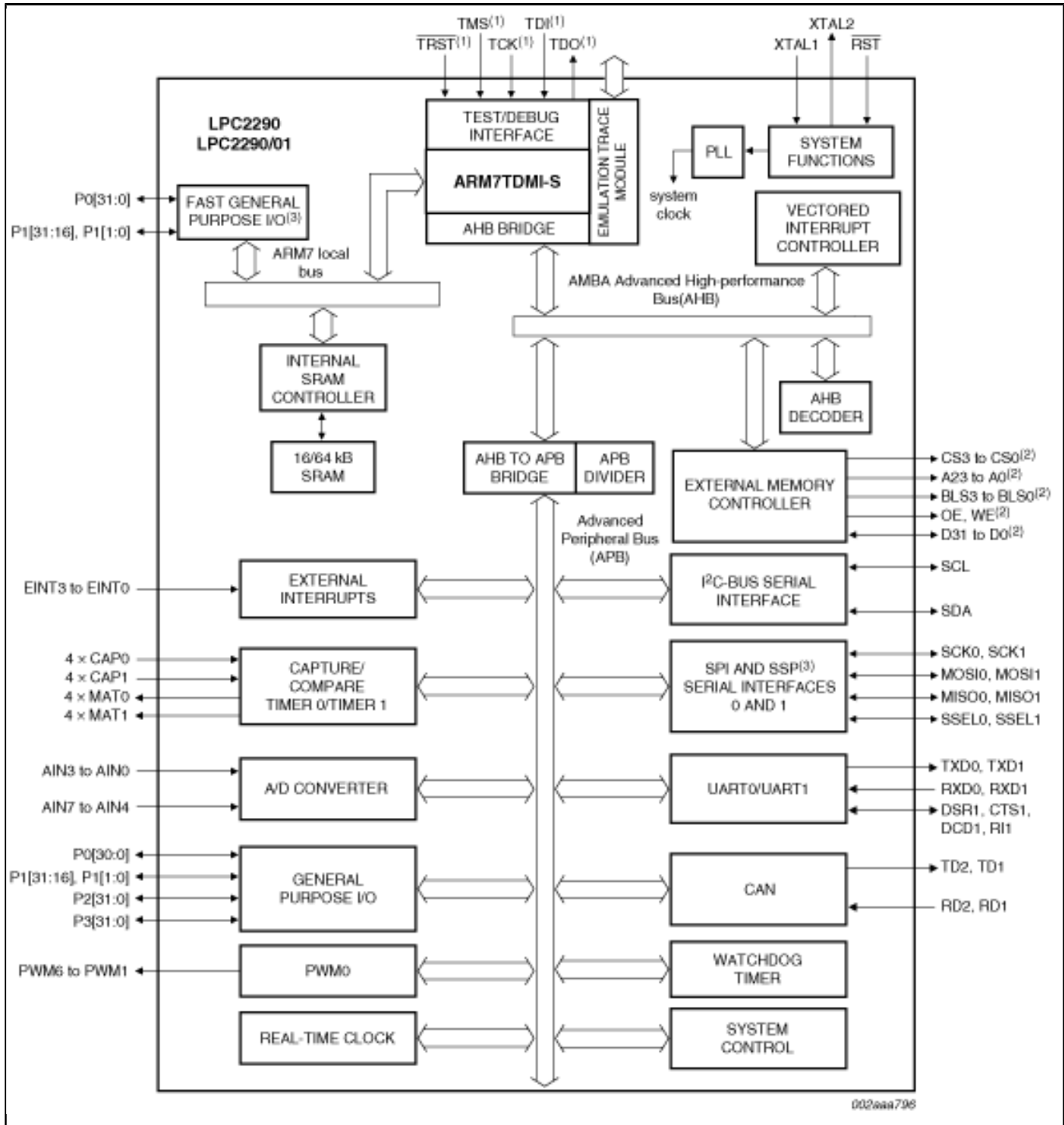
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The LPC2290 microcontroller is based on a 16/32-bit Arm7TDMI-S™ CPU with real-time emulation and embedded trace support. For critical code size applications, the alternative 16-bit Thumb mode reduces code by more than 30 pct with minimal performance penalty.

With its 144-pin package, low power consumption, various 32-bit timers, 8-channel 10-bit ADC, two advanced CAN channels, PWM channels and up to nine external interrupt pins this microcontroller is particularly suitable for automotive and industrial control applications as well as medical systems and fault-tolerant maintenance buses. The LPC2290 provides up to 76 GPIOs depending on bus configuration. With a wide range of additional serial communications interfaces, it is also suited for communication gateways and protocol converters as well as many other general-purpose applications.

Remark: Throughout the data sheet, the term 'LPC2290' will apply to devices with and without the /01 suffix. New devices will use the /01 suffix to differentiate from the original devices only when necessary.

Block diagram: LPC2290FBD144 Block Diagram



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