



100 Series

Featuring 8K bytes of single cycle flash, 2K bytes of single cycle SRAM, analog comparators and 20 MHz of performance in a cost-effective 28-pin SOIC package, the entry level Stellaris LM3S1xx microcontrollers are perfect for basic embedded applications and 8-/16-bit upgrades.

300 Series

The Stellaris LM3S3xx microcontrollers feature 16K bytes of single cycle flash and 2K to 4K bytes of single cycle SRAM in speeds up to 25 MHz. Also included are up to 6 PWM generators suitable for motion control. Analog features include up to 3 analog comparators and up to 8 channels of 10-bit ADC at up to 500K samples per second.

600 Series

The Stellaris LM3S6xx microcontrollers feature 32K bytes of single cycle flash, 8K bytes of single cycle SRAM, and 50 MHz performance. Motion control features in the LM3S6xx series include up to 6 PWM generators suitable for sophisticated motion control and quadrature encoder input. Analog features include up to 3 analog comparators and up to 8 channels of 10-bit ADC at up to 1M samples per second.

800 Series

Featuring 64K bytes of single cycle flash, 8K bytes of single cycle SRAM, and 50 MHz performance, the Stellaris LM3S8xx microcontrollers are perfect for embedded control applications requiring more sophisticated algorithms. Analog features in the LM3S8xx series include up to 3 analog comparators and up to 8 channels of 10-bit ADC at up to 1M samples per second. Motion control features include up to 6 PWM generators suitable for sophisticated motion control and quadrature encoder input.