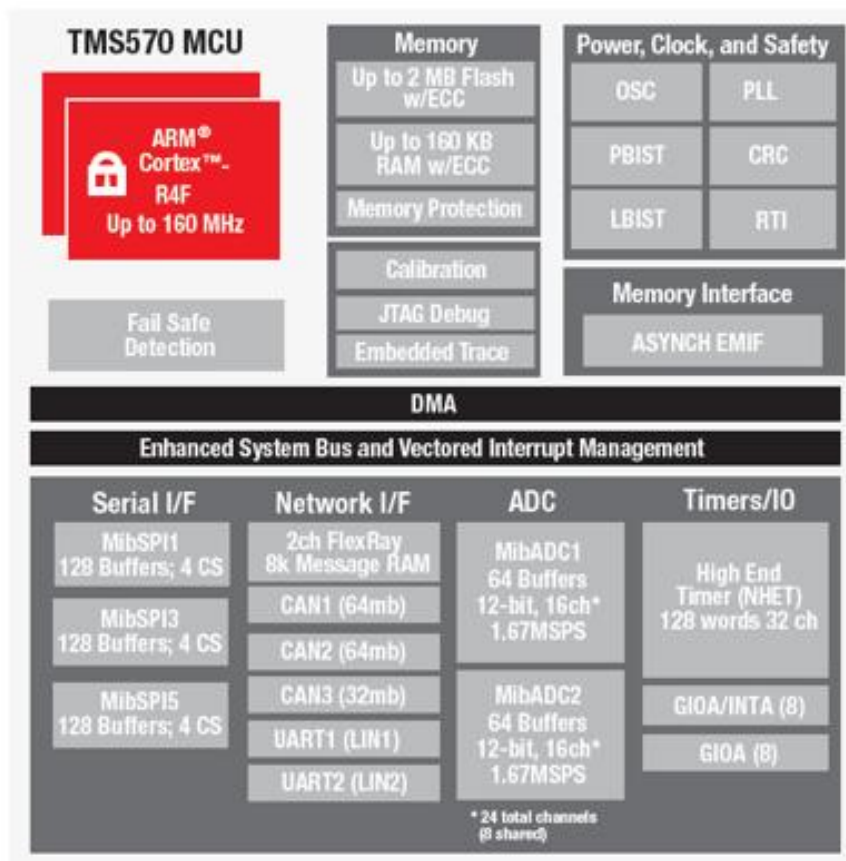


Sériá TMS570LS je založená na jadre ARM® Cortex™-R4F Floating Point, dosahujúcim až 1.6 DMIPS/MHz čo pri maximálnom taktovaní 160 MHz znamená viac ako 250 DMIPS. Sériá je označovaná ako automotive. Bola certifikovaná pre použitie v bezpečnostných systémoch (IEC 61508 SIL3)

Vlastnosti

- High-Performance Automotive Grade Microcontroller for Safety Critical Applications
- Certified for use in SIL3 Applications
- Dual CPU's running in Lockstep
- ECC on Flash and SRAM
- CPU and Memory BIST (Built-In Self Test)
- Error Signaling Module (ESM) w/ Error Pin
- ARM® Cortex™-R4F 32-Bit RISC CPU
- Efficient 1.6 DMIPS/MHz with 8-stage pipeline
- Floating Point Unit with Single/Double Precision
- Memory Protection Unit (MPU)
- Open Architecture With Third-Party Support
- Operating Features
 - Up to 160-MHz System Clock
 - Core Supply Voltage (VCC): 1.5 V
 - I/O Supply Voltage (VCCIO): 3.3 V
- Integrated Memory
 - 1M-Byte or 2M-Byte Flash with ECC
 - 128K-Byte or 160K-Byte RAM with ECC
- Multiple Communication interfaces including Flexray, CAN, and LIN
- NHET Timer and 2x 12-bit ADC's

Blokové zapojenie



Cena

Napríklad TMS570LS20216-PGE (LQFP144).... 43,10 USD (1k ks)

Odkazy

[Séria TMS570LS - prehľad](#)

[TMS570LS10116 Homepage](#)

[TMS570LS10116 Datasheet](#)

Distribúcia

[vid'. Adresár](#)