SAL-TC337LP-32F200S AA

Product status: Active, Not for new design | Product type: Chipset | Marketing name: SAL-TC337LP-32F200S AA

Short description: AURIX™ TC337 is a 32-bit microcontroller family based on TriCore™ Performance Generation. **TC3xx** family is optimized for automotive and industrial applications, supporting the implementation of safety and the new automotive and industrial trends and challenges. In terms of performance, TriCore offers a new pipeline, a dual MPU (DMEM/PMEM) and up to 4MB flex-cache(DMEM/PMEM), with concurrency access. 4 M memory.

Key features:

- TriCore™ running at 200 MHz
- Up to 4 MB flexible cache memory with ECC across TriCore, PCP and DMA
- 2x CAN FD
- 4x FlexRay, ECC protection
- 1x **SPI** interface
- Protection and diverse timer modules **GTM, CCU6, STM**
- Included Ethernet
- 1x **FlexRay**, 2x CAN FD, 1x **ASCLIN**, 1x **QSPI**, 1x **SENT**, 12 PTX simulation
- 2x 12-bit **SARADC** (Enhanced Version)
- **Low EMI technology**
- 150 MHz, 16-channel **GPTU**
- **Extended temperature range**
- Wide voltage supply 3.0 to 5.5 V
- Security module, controller
- Temperature: -40°C to +150°C

Benefits:

- Power of a TriCore performance enabling ADAS, E-Bike designs
- Optimized for increased variables in the cross-bar (**LMU**™ & Flex Cache)
- Easy migration from AURIX™ TC3xx family to high software and hardware compatibility

Applications:

Industrial Applications

- **Industrial Drives** (unbound for this product)
- **Robotics**
- **Industrial Automation**
- **Generation**
- **Power Drive**
- **Elevators**
- **Inverter**

Safety Applications

- **Airbag Systems** (unbound for this product)
- **Electric Power Steering**
- **Braking**
- **Steering**
- **Radar/LiDAR Sensor** (unbound for this product)
- **Software Development**
- **Multi-purpose sensors** (unbound for this product)
- **Gateway**
- **Software Development Platform**
- **Automotive Microcontrollers**
- **Automotive Microcontrollers 32-bit**
- **Chassis**
- **Power Train**

Automotive Applications

- **Electric Power Steering** (unbound for this product)
- **Airbag Systems** (unbound for this product)
- **Electric Power Steering (EPS)** (unbound for this product)
- **Digital Cockpit**

Transportation Applications

- **Electric Power Steering (EPS)** (unbound for this product)
- **Airbag Systems**
- **Electric Power Steering (EPS)**
- **Digital Cockpit**
- **Power Train**

Power Management Applications

- **Power Management Integrated Circuits**
- **Power Supply**
- **Power Management**
- **Power Management Integrated Circuits (PMIC)**
- **Power Supply**

Smart Sensor Applications

- **Electric Power Steering**
- **Airbag Systems**
- **Electric Power Steering (EPS)**
- **Power Train**

Interactive Diagram (pass over the diagram with the cursor to learn more about the features)

Power Supply
Voltage Voltage Voltage Voltage
Voltage Voltage Voltage Voltage
Clock Generation
Clock Monitor
Clock Monitor
Clock Monitor

Mouser Electronics

Authorized Distributor

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