

SPC58XXMB evaluation system for SPC58x and SPC57x microcontroller families



Features

- Modular evaluation system for SPC57x, SPC58x
- Single 12V external power supply
- Four on-board regulators
 - 5.0 V, 3.3 V and 1.25 V switching regulators
 - 5 V linear regulator for the ADC supplies and references
- Master power switch and regulator status LEDs
- Two 240-way high-density expansion connectors for MCU daughter cards
- All MCU signals readily accessible at a port-ordered group of 0.1" pitch headers
- RS232/SCI physical interface and standard DB9 female connector
- Two FlexRAY channels interface with a DB9 connector (for both transceivers) and two alternative connectors
- LINFlexD interface with two different style connectors
- Two high speed CAN FD channels and two female standard DB9 connectors
- Ethernet interface with a standard RJ45 Ethernet connector
- One potentiometer for analog voltage input
- Four user switches and 4 user LEDs, freely connectable

Description

The Premium Evaluation Boards System supports the 32-bit SPC58x, SPC57x STMicroelectronics' automotive microcontrollers.

The complete system consists of a SPC58XXMB motherboard and a SPC58xxADPT, SPC57xxADPT daughter card which plugs into the motherboard.

A number of compatible daughter cards are available for the motherboard for evaluating the different devices in the SPC58x, SPC57x family of microcontrollers, package sizes and part numbers. All daughter cards are similar in design and concept.

The evaluation system (motherboard and daughter card) allows full access to the CPU, all of the CPU's I/O signals, and the motherboard peripherals (such as CAN FD, SCI, LIN, FlexRAY and Ethernet).

Product status link	
SPC58XXMB	
Product summary	
Order code	SPC58XXMB
Temperature range	Motherboard for SPC58x, SPC57x family devices

Revision history

Table 1. Document revision history

Date	Version	Changes
24-Sep-2019	1	Initial release.

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