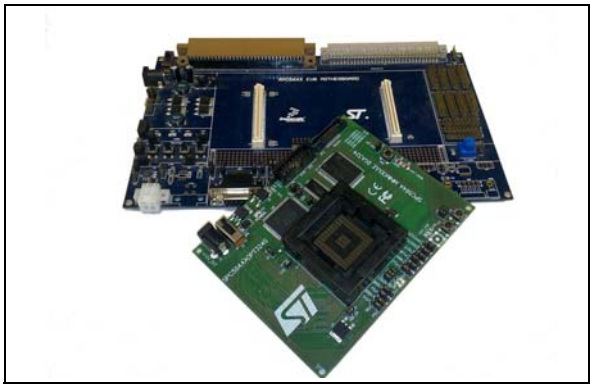
SPC56XXMB

SPC56xx microcontroller family evaluation motherboard

Data brief – production data

Features

- SPC56xx modular evaluation system
- On/off power switch with LED indicators
- Board power supply: 12 VDC external supply voltage
- Onboard STMicroelectronics® L9758 voltage regulator with three simultaneous output at 1.2 V, 3.3 V and 5 V
- Possibility to configure onboard peripherals to operate at 5 V or 3.3 V logic levels, depending on target
- Two CAN channels with jumper enable
  - One CAN channel with High-Speed transceiver and DB9 male connector
  - One CAN channel with Low-Speed Fault Tolerant and High-Speed transceiver (selectable with jumpers) and DB9 male connector
- Two LIN channels with jumper enable
  - One channel with transceiver and pin header connector populated
  - One channel with footprints only
- One SCI channel with jumper enables, transceiver and DB9 female connector
- Two FlexRay channels with jumper enables
  - One channel with transceiver and DB9 male connector
  - One channel with footprint only
- Four user push buttons with jumper enable and polarity selection
- Four user LED's with jumper enables
- One potentiometer for analog voltage input
- Pin array for accessing all I/O signals
- Expansion connectors for accessing all I/O signals
- Prototyping area with 0.1" spacing and SOIC footprint



- Specifications:
  - Board size 5.5" x 9.0"
  - 12 VDC Center Positive power supply with 2.5/5.5 mm barrel connector

Description

The SPC56XXMB motherboard is an evaluation system supporting STMicroelectronics' SPC560xx microprocessors.

The complete system consists of an SPC56XXMB motherboard and an SPC56xxxADPT mini module (not included) which plugs into the motherboard.

Different mini modules are available for evaluating the different devices in the SPC560xx family of microprocessors.

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

This is information on a product in full production. For further information contact your local STMicroelectronics sales office.

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1 Order codes

Table 1. Device summary

Part numbers	Device supported
SPC56XXMB	Mother board for SPC56xx family of devices

2 Revision history

Table 2. Document revision history

Date	Revision	Changes
11-Sep-2012	1	Initial release. SPC560XXMB was previously in document DM00044221 (DocID 022591) revision 1.
18-Sep-2013	2	Updated disclaimer.

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