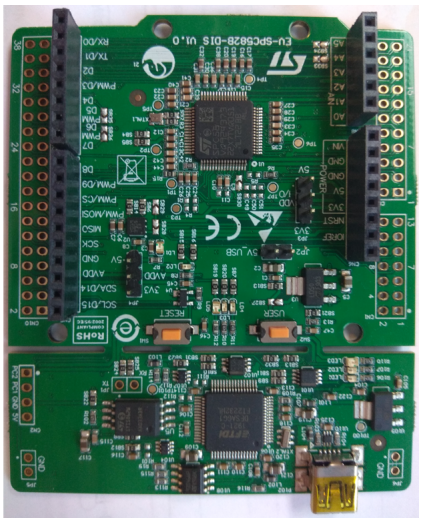
EV-SPC582B

Data brief

SPC582B evaluation board



Features

- SPC582B 32-bit z2 core @ 80 MHz CPU, 32-bit Power Architecture technology CPU, 1 MB Code Flash in an eQFP64 package.

  On-board USB-JTAG PLS debugger and dedicated optional connector to plug a standalone JTAG debugger. USB virtual communication port.
- Two types of extension resources:
  - Arduino Uno revision 3 connectivity
  - Extension headers for all device pins and for quick connection to prototyping expansion boards, additional modules and evaluation probing.
- Flexible board power supply:
  - USB port (Mini B – 5 V) galvanically isolated
  - External sources (DC): from 7 to 12 V, 5 V or 3.3 V
- Eight LEDs
  - 3 Integrated Programmer/Debugger
  - 3 LEDs user
  - 1 Reset
  - 1 Power LED: +5 V
  - Short-circuit and open load detection and protection
- 40 MHz crystal

Product status link
EV-SPC582B

Product summary	
Order code	EV-SPC582B
Reference	EV-SPC582B board with SPC582B60E1

Description

The board EV-SPC582B is the backbone of the easy tool environment and it is based on SPC58B Line Power Architecture microcontrollers with full access to CPUs, I/O signals and peripherals at budget price.

Dedicated connectors allow plugging Arduino shields (Arduino-compatible). Free ready-to-run application firmware examples are available to support quick evaluation and development.

The SPC58B Line is designed to address automotive vehicle body and gateway applications as well as industrial oriented applications. The SPC58B devices feature specific functions to make automotive applications with an integrity level up to ASIL-B of ISO 26262.

Revision history

Table 1. **Document revision history**

Date	Revision	Changes
22-Oct-2021	1	Initial release.