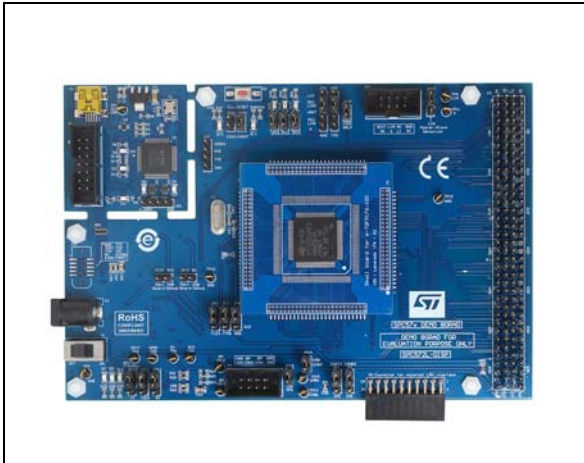


SPC572L-DISP Discovery+ board

Data brief



Description

The SPC572L-DISP board helps the user to discover the SPC572L64E3 microcontroller with full access to CPUs, GPI/O's and peripherals such as CAN, FlexRay, LIN, UART at budget price. The discovery board includes a PLS debugger-programmer, two JTAG ports (2x7 - 0.1" and 2x5 0.05") and an extension headers array (4x37 pins) to connect prototyping boards or additional modules. UDE software is available for free download and includes a perpetual 256 Kbyte debugging/programming license. Free ready-to-run application firmware examples are available inside SPC5Studio (www.st.com/spc5studio) to support quick evaluation and development. SPC5Studio includes visual configurable code generation engine, board support package (BSP), startup routines, interrupt services. SPC5Studio is available for free download.

An ST Community is available on ST WEB

Features

- SPC572L64E3 is 32-bit Power Architecture@VLE Compliant CPU core, single issue, single-precision floating-point operations. 1568 KB on-chip RWW flash memory. Supporting EEPROM emulation (32 KB). 64 KB general-purpose data SRAM. System Memory Protection Unit (SMPU) Integrated programmer - debugger.
- Board Supply: 12V (ext PSU) and USB
- Integrated programmer - debugger.
- JTAG interface: standard 7x2 male 0.1" connector
- Mini JTAG connector: 2x5 0,05"
- 1 CAN port with transceiver
- 1 KLine with transceiver
- 1 USB virtual COM Port
- 3 LEDs for user purpose
- 20 MHz crystal
- The GIPOs and pins accesible by a 4x37 0.1" pin grid array
- Board size 153 x 102mm

Table 1. Device summary

Order Code	Reference
SPC572L-DISP	SPC572L Discovery with SPC572L64E3

1 System requirements, HW and SW resources

1.1 System requirements

- Windows PC
- USB cable: Type-A to mini-B
- PSU:12V, 2A (100÷240 Vac, EU plug)

1.2 Development toolchain

SPC5Studio.

1.3 Demonstration software

Demonstration software is preloaded in the MCU Flash memory for easy demonstration of the SPC572L-DISP in stand-alone mode.

2 Revision history

Table 2. Document revision history

Date	Revision	Changes
19-Nov-2018	1	Initial release.

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