

SR5E1E7 Stellar E1 in a QFP176 package, evaluation board



Features

- Socket based evaluation board for SR5E1E7 Stellar E1 in a QFP176 package automotive MCU
- High-resolution timers connector
- DAC, SAR-AD and SD-ADC connectors
- CAN-FD ports with DB9 connector
- GPIO pin arrays
- LIN, UART, I²C and SPI capabilities

Description

The **SR5E1-EVBE7000P** is the evaluation board of the SR5E1E7 Stellar E1 automotive MCU in a QFP176 package enabling the access to all the functionalities of the product.

Being based on socket, it can be the best solution to start prototyping any automotive application, such as OBC, DCDC, motor control and many more.

The board provides high-resolution timers, DAR, SAR-ADC and SD-ADC connectors to easily test control loop applications exploiting the efficiency of the Stellar E1 MCU.

The board provides FDCAN channels, LIN, UART, I²C and SPI standard communication interface, as well as LED and buttons for user controls.

ST's StellarStudio, an Eclipse-based integrated development environment, provides a comprehensive framework to design, build, and deploy embedded applications. StellarStudio is available for free download from www.st.com and includes multiple free application examples ready to use on the SR5E1-EVBE7000P board.



Product status link

[SR5E1-EVBE7000P](#)

Product summary

Order code	SR5E1-EVBE7000P
Reference	SR5E1E7 evaluation board
Package	TQFP176

Revision history

Table 1. Document revision history

Date	Revision	Changes
16-Jan-2024	1	First release.
18-Jan-2024	2	Minor text changes. Typo mistake in Table 1. Document revision history.

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