


## MCU 32-bit e200z0h RISC 768KB Flash 3.3V/5V Automotive 100-Pin LQFP T/R



Images are for reference only

[Inquiry](#)

<b>Manufacturer:</b>	<a href="#">STMicroelectronics, Inc</a>
<b>Package/Case:</b>	LQFP100
<b>Product Type:</b>	Embedded Processors & Controllers
<b>RoHS:</b>	RoHS Compliant/Lead free 
<b>Lifecycle:</b>	Active

### General Description

This family of 32-bit system-on-chip (SoC) microcontrollers is the latest achievement in integrated automotive application controllers. It belongs to an expanding family of automotive-focused products designed to address the next wave of body electronics applications within the vehicle. The advanced and cost-efficient e200z0h host processor core of this automotive controller family complies with the Power Architecture technology and only implements the VLE (variable-length encoding) APU (Auxiliary Processor Unit), providing improved code density. It operates at speeds of up to 64 MHz and offers high performance processing optimized for low power consumption. It capitalizes on the available development infrastructure of current Power Architecture devices and is supported with software drivers, operating systems and configuration code to assist with users implementations.

### Key Features

- Memory
- Interrupts
- 16-channel eDMA (linked to PITs, DSPI, ADCs, eMIOS, LINFlex and I2C)
- GPIOs: 77 (LQFP100), 121 (LQFP144) and 149 (LQFP176)
- Timer units
- eMIOS, 16-bit counter timed I/O units
- One 10-bit and one 12-bit ADC with up to 53 channels
- Cross triggering unit (CTU)

### Recommended For You

[SPC572L64F2BC6AR](#)

STMicroelectronics, Inc

TQFP80

[SPEAR320-2](#)

STMicroelectronics, Inc

BGA

[SPC574K72E5C6FAR](#)

STMicroelectronics, Inc

LQFP144

**SPC58NE84E7QM HAR**

STMicroelectronics, Inc

LQFP-176

**SPC58NN84C3RM HBR**

STMicroelectronics, Inc

FPBGA-292

**SPC58NN84E7RM HBR**

STMicroelectronics, Inc

LQFP-176

**SPC560B50L5C6E0X**

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LQFP144

**SPC560B50L5C6E0Y**

STMicroelectronics, Inc

LQFP144

**SPC560B60L3C6E0X**

STMicroelectronics, Inc

LQFP100

**SPC560B50L3C6E0X**

STMicroelectronics, Inc

LQFP100

**SPC560B40L3B4E0X**

STMicroelectronics, Inc

LQFP100

**SPC560B50L3B4E0X**

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LQFP100

**SPC570S50E1CE FAR**

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LQFP64

**SPC564A80L7CFAR**

STMicroelectronics, Inc

LQFP-176

**SPC582B50E3CD00X**

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TQFP100