


MCU 32-bit e200z0h RISC 1MB Flash 3.3V/5V Automotive 100-Pin LQFP T/R



Images are for reference only

[Inquiry](#)

Manufacturer:	STMicroelectronics, Inc
Package/Case:	LQFP100
Product Type:	Embedded Processors & Controllers
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	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	SPEAR320-2	SPC574K72E5C6FAR
STMicroelectronics, Inc	STMicroelectronics, Inc	STMicroelectronics, Inc
TQFP80	BGA	LQFP144

SPC58NE84E7QM HAR

STMicroelectronics, Inc

LQFP-176

SPC58NN84C3RMHBR

STMicroelectronics, Inc

FPBGA-292

SPC58NN84E7RMHBR

STMicroelectronics, Inc

LQFP-176

SPC560B50L5C6E0X

STMicroelectronics, Inc

LQFP144

SPC560B50L5C6E0Y

STMicroelectronics, Inc

LQFP144

SPC560B50L3C6E0X

STMicroelectronics, Inc

LQFP100

SPC560B40L3B4E0X

STMicroelectronics, Inc

LQFP100

SPC560B50L3B4E0X

STMicroelectronics, Inc

LQFP100

SPC570S50E1CEFAR

STMicroelectronics, Inc

LQFP64

SPC564A80L7CFAR

STMicroelectronics, Inc

LQFP-176

SPC560B54L3C6E0X

STMicroelectronics, Inc

LQFP100

SPC582B50E3CD00X

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TQFP100