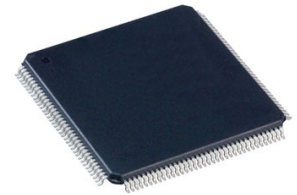



MCU 32-bit e200z420n3 RISC 4MB Flash 3.3V/5V Automotive 144-Pin eTQFP T/R



Images are for reference only

Manufacturer:	STMicroelectronics, Inc
Package/Case:	eTQFP-144
Product Type:	Embedded Processors & Controllers
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	LTB

[Inquiry](#)

General Description

The SPC584Cx and SPC58ECx microcontroller are the first in a new family of devices superseding the SPC564Cx and SPC56ECx family. SPC584Cx and SPC58ECx build on the legacy of the SPC564Cx and SPC56ECx, while introducing new features coupled with higher throughput to provide substantial reduction of cost per feature and significant power and performance improvement (MIPS per mW). On the SPC584Cx and SPC58ECx devices, there are two processor cores e200z420 and one e200z0 core embedded in the Hardware Security Module.

For further info, or full datasheet request, please contact your local ST office.

Key Features

AEC-Q100 qualified

High performance e200z420n3 dual core:

4224 KB (4096 KB code flash + 128 KB data flash) on-chip flash memory: supports read during program and erase operations, and multiple blocks allowing EEPROM emulation

176 KB HSM dedicated flash memory (144 KB code + 32 KB data)

384 KB on-chip general-purpose SRAM (in addition to 128 KB core local data RAM: 64 KB included in each CPU)

Multi-channel direct memory access controller (eDMA) with 64 channels

1 interrupt controller (INTC)

Comprehensive new generation ASIL-B safety concept:

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

STMicroelectronics, Inc

LQFP144

SPC560B50L5C6E0Y

STMicroelectronics, Inc

LQFP144

SPC560B60L3C6E0X

STMicroelectronics, Inc

LQFP100

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