



life.augmented

STMicroelectronics



Image may be representation. See specifications for product details.

SPC564B64L7C8E0X

|                     |                                                                                                          |
|---------------------|----------------------------------------------------------------------------------------------------------|
| Part Number:        | SPC564B64L7C8E0X                                                                                         |
| Manufacturer/Brand: | STMicroelectronics                                                                                       |
| Product description | AUTOMOTIVE DIGITAL                                                                                       |
|                     |  1.SPC564B64L7C8E0X.pdf |
|                     |  2.SPC564B64L7C8E0X.pdf |
|                     |  3.SPC564B64L7C8E0X.pdf |
| Datasheets:         |                                                                                                          |
| Stock Condition     | 7493 pcs stock                                                                                           |
| Ship From           | Hong Kong                                                                                                |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                    |

REQUEST FOR QUOTATION

Specifications of SPC564B64L7C8E0X

|                                  |                                                                                                                                                                                                                                                                                                                                        |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | SPC564B64L7C8E0X                                                                                                                                                                                                                                                                                                                       |
| MANUFACTURER                     | STMicroelectronics                                                                                                                                                                                                                                                                                                                     |
| DESCRIPTION                      | AUTOMOTIVE DIGITAL                                                                                                                                                                                                                                                                                                                     |
| LEAD FREE STATUS / ROHS STATUS   |                                                                                                                                                                                                                                                                                                                                        |
| QUANTITY AVAILABLE               | 7493 pcs                                                                                                                                                                                                                                                                                                                               |
| DATA SHEET                       |  1.SPC564B64L7C8E0X.pdf<br> 2.SPC564B64L7C8E0X.pdf<br> 3.SPC564B64L7C8E0X.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 3 V ~ 5.5 V                                                                                                                                                                                                                                                                                                                            |
| SUPPLIER DEVICE PACKAGE          | 176-LQFP (24x24)                                                                                                                                                                                                                                                                                                                       |
| SPEED                            | 120MHz                                                                                                                                                                                                                                                                                                                                 |
| SERIES                           | Automotive, AEC-Q100, SPC56                                                                                                                                                                                                                                                                                                            |
| RAM SIZE                         | 128K x 8                                                                                                                                                                                                                                                                                                                               |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                                                                                                                                  |
| PROGRAM MEMORY SIZE              | 1.5MB (1.5M x 8)                                                                                                                                                                                                                                                                                                                       |
| PERIPHERALS                      | DMA, POR, PWM, WDT                                                                                                                                                                                                                                                                                                                     |
| PACKAGING                        | Tape & Reel (TR)                                                                                                                                                                                                                                                                                                                       |
| PACKAGE / CASE                   | 176-LQFP                                                                                                                                                                                                                                                                                                                               |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                                                                                                                               |
| OPERATING TEMPERATURE            | -40°C ~ 125°C (TA)                                                                                                                                                                                                                                                                                                                     |
| NUMBER OF I/O                    | 147                                                                                                                                                                                                                                                                                                                                    |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                                                                                                                                          |
| EEPROM SIZE                      | 64K x 8                                                                                                                                                                                                                                                                                                                                |
| DETAILED DESCRIPTION             | e200z4d Automotive, AEC-Q100, SPC56 Microcontroller IC 32-Bit 120MHz 1.5MB (1.5M x 8) FLASH 176-LQFP (24x24)                                                                                                                                                                                                                           |
| DATA CONVERTERS                  | A/D 27x10b, 5x12b                                                                                                                                                                                                                                                                                                                      |
| CORE SIZE                        | 32-Bit                                                                                                                                                                                                                                                                                                                                 |
| CORE PROCESSOR                   | e200z4d                                                                                                                                                                                                                                                                                                                                |
| CONNECTIVITY                     | CANbus, LINbus, SPI, UART/USART                                                                                                                                                                                                                                                                                                        |

Related Tags

|                                     |                                     |                                         |
|-------------------------------------|-------------------------------------|-----------------------------------------|
| STMicroelectronics SPC564B64L7C8E0X | SPC564B64L7C8E0X Distributor        | SPC564B64L7C8E0X Supplier               |
| SPC564B64L7C8E0X Price              | SPC564B64L7C8E0X Pictures           | SPC564B64L7C8E0X Image                  |
| SPC564B64L7C8E0X PDF Datasheet      | SPC564B64L7C8E0X Download Datasheet | SPC564B64L7C8E0X Datasheet              |
| SPC564B64L7C8E0X Stock              | Buy SPC564B64L7C8E0X                | Buy STMicroelectronics SPC564B64L7C8E0X |
| STMicroelectronics SPC564B64L7C8E0X | STMicroelectronics Supplier         | STMicroelectronics Distributor          |
| STMicroelectronics SPC564B64L7C8E0X |                                     |                                         |

Related Products

|                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div>life.augmented</div> <div>SPC564B64L7C800Y</div> <div>Manufacturers: STMicroelectronics</div> <div>Description: LQFP 176 24X24X1.4</div> <div>In stock: 9100 pcs</div> <div>RFQ</div> |  <div>SPC564B70L7B9E0X</div> <div>Manufacturers: STMicroelectronics</div> <div>Description: AUTOMOTIVE DIGITAL</div> <div>In stock: 8480 pcs</div> <div>RFQ</div>                                         |
|  <div>SPC564B64L7B8E0X</div> <div>Manufacturers: STMicroelectronics</div> <div>Description: IC MCU 32BIT 1.5MB FLASH 176LQFP</div> <div>In stock: 9149 pcs</div> <div>RFQ</div>             |  <div>life.augmented</div> <div>SPC564B64L8C9E0X</div> <div>Manufacturers: STMicroelectronics</div> <div>Description: AUTOMOTIVE DIGITAL</div> <div>In stock: 6394 pcs</div> <div>RFQ</div>               |
|  <div>life.augmented</div> <div>SPC564B64L7C9E0X</div> <div>Manufacturers: STMicroelectronics</div> <div>Description: LQFP 176 24X24X1.4</div> <div>In stock: 7650 pcs</div> <div>RFQ</div> |  <div>SPC564B70L7B9ECX</div> <div>Manufacturers: STMicroelectronics</div> <div>Description: AUTOMOTIVE DIGITAL</div> <div>In stock: 7514 pcs</div> <div>RFQ</div>                                         |
|  <div>life.augmented</div> <div>SPC564B64L7C8ECX</div> <div>Manufacturers: STMicroelectronics</div> <div>Description: AUTOMOTIVE DIGITAL</div> <div>In stock: 8075 pcs</div> <div>RFQ</div> |  <div>life.augmented</div> <div>SPC564B64L7C800X</div> <div>Manufacturers: STMicroelectronics</div> <div>Description: LQFP 176 24X24X1.4</div> <div>In stock: 8294 pcs</div> <div>RFQ</div>               |
|  <div>SPC564AKIT324S</div> <div>Manufacturers: STMicroelectronics</div> <div>Description: KIT DEV FOR 32BIT MCU AUTOMOTIVE</div> <div>In stock: 59 pcs</div> <div>RFQ</div>                 |  <div>SPC564B64L7B8ECX</div> <div>Manufacturers: STMicroelectronics</div> <div>Description: IC MCU 32BIT 1.5MB FLASH 176LQFP</div> <div>In stock: 9017 pcs</div> <div>RFQ</div>                           |
|  <div>SPC564B64L7B9ECX</div> <div>Manufacturers: STMicroelectronics</div> <div>Description: IC MCU 32BIT 1.5MB FLASH 176LQFP</div> <div>In stock: 7630 pcs</div> <div>RFQ</div>             |  <div>life.augmented</div> <div>SPC564B64L8C9E0Y</div> <div>Manufacturers: STMicroelectronics</div> <div>Description: IC MCU 32BIT 1.5MB FLASH 208LQFP</div> <div>In stock: 7464 pcs</div> <div>RFQ</div> |