



ST10F271Z1Q3

|                     |                                                                                                                    |
|---------------------|--------------------------------------------------------------------------------------------------------------------|
| Part Number:        | ST10F271Z1Q3                                                                                                       |
| Manufacturer/Brand: | STMicroelectronics                                                                                                 |
| Product description | IC MCU 16BIT 256KB FLASH 144QFP                                                                                    |
| Datasheets:         |  <a href="#">ST10F271Z1Q3.pdf</a> |
| RoHs Status         |  Lead free / RoHS Compliant       |
| Stock Condition     | 5675 pcs stock                                                                                                     |
| Ship From           | Hong Kong                                                                                                          |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                              |

REQUEST FOR QUOTATION

Specifications of ST10F271Z1Q3

|                                  |                                                                                                                      |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ST10F271Z1Q3                                                                                                         |
| MANUFACTURER                     | STMicroelectronics                                                                                                   |
| DESCRIPTION                      | IC MCU 16BIT 256KB FLASH 144QFP                                                                                      |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                           |
| QUANTITY AVAILABLE               | 5675 pcs                                                                                                             |
| DATA SHEET                       |  <a href="#">ST10F271Z1Q3.pdf</a> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 4.5 V ~ 5.5 V                                                                                                        |
| SUPPLIER DEVICE PACKAGE          | 144-PQFP (28x28)                                                                                                     |
| SPEED                            | 64MHz                                                                                                                |
| SERIES                           | ST10                                                                                                                 |
| RAM SIZE                         | 12K x 8                                                                                                              |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                |
| PROGRAM MEMORY SIZE              | 128KB (128K x 8)                                                                                                     |
| PERIPHERALS                      | POR, PWM, WDT                                                                                                        |
| PACKAGING                        | Tray                                                                                                                 |
| PACKAGE / CASE                   | 144-BQFP                                                                                                             |
| OSCILLATOR TYPE                  | Internal                                                                                                             |
| OPERATING TEMPERATURE            | -40°C ~ 125°C (TA)                                                                                                   |
| NUMBER OF I/O                    | 111                                                                                                                  |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                        |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                           |
| EEPROM SIZE                      | -                                                                                                                    |
| DETAILED DESCRIPTION             | ST10 ST10 Microcontroller IC 16-Bit 64MHz 128KB (128K x 8) FLASH 144-PQFP (28x28)                                    |
| DATA CONVERTERS                  | A/D 24x10b                                                                                                           |
| CORE SIZE                        | 16-Bit                                                                                                               |
| CORE PROCESSOR                   | ST10                                                                                                                 |
| CONNECTIVITY                     | CANbus, I²C, SSC, UART/USART                                                                                         |
| BASE PART NUMBER                 | ST10F271                                                                                                             |

Related Tags

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Related Products

|                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                    |
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|  <div><b>ST10F269Z2Q6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 16BIT 256KB FLASH 144QFP<br/>In stock: 2814 pcs<br/><b>RFQ</b></div>   |  <div><b>ST10F271Z1T3</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 16BIT 128KB FLASH 144TQFP<br/>In stock: 6456 pcs<br/><b>RFQ</b></div>   |
|  <div><b>ST10F272Z2T3</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 16BIT 256KB FLASH 144TQFP<br/>In stock: 6363 pcs<br/><b>RFQ</b></div>  |  <div><b>ST10F269Z2Q3</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 16BIT 256KB FLASH 144QFP<br/>In stock: 7020 pcs<br/><b>RFQ</b></div>    |
|  <div><b>ST10F269Z2T6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 16BIT 256KB FLASH 144TQFP<br/>In stock: 2997 pcs<br/><b>RFQ</b></div>  |  <div><b>ST10F269Z2T3</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 16BIT 256KB FLASH 144TQFP<br/>In stock: 2381 pcs<br/><b>RFQ</b></div>   |
|  <div><b>ST10F272Z2Q3</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 16BIT 256KB FLASH 144QFP<br/>In stock: 4904 pcs<br/><b>RFQ</b></div>   |  <div><b>ST10F269Z2Q6/TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 16BIT 256KB FLASH 144QFP<br/>In stock: 5128 pcs<br/><b>RFQ</b></div> |
|  <div><b>ST10F272M-4QR3</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 16BIT 256KB FLASH 144QFP<br/>In stock: 5144 pcs<br/><b>RFQ</b></div> |  <div><b>ST10F272M-4TR3</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 16BIT 256KB FLASH 144TQFP<br/>In stock: 4824 pcs<br/><b>RFQ</b></div> |
|  <div><b>ST10F272M-4T3</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 16BIT 256KB FLASH 144TQFP<br/>In stock: 6656 pcs<br/><b>RFQ</b></div> |  <div><b>ST10F269Z1Q6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 16BIT 128KB FLASH 144QFP<br/>In stock: 4794 pcs<br/><b>RFQ</b></div>    |