



STMicroelectronics



STM8S103F3M6TR

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | STM8S103F3M6TR                                                                                               |
| Manufacturer/Brand: | STMicroelectronics                                                                                           |
| Product description | IC MCU 8BIT 8KB FLASH 20SOIC                                                                                 |
| Datasheets:         |  STM8S103F3M6TR.pdf         |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 132920 pcs stock                                                                                             |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

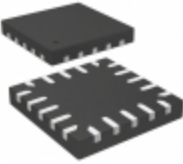
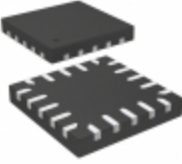
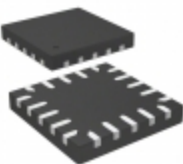
Specifications of STM8S103F3M6TR

|                                  |                                                                                                        |
|----------------------------------|--------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | STM8S103F3M6TR                                                                                         |
| MANUFACTURER                     | STMicroelectronics                                                                                     |
| DESCRIPTION                      | IC MCU 8BIT 8KB FLASH 20SOIC                                                                           |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                             |
| QUANTITY AVAILABLE               | 132920 pcs                                                                                             |
| DATA SHEET                       |  STM8S103F3M6TR.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2.95 V ~ 5.5 V                                                                                         |
| SPEED                            | 16MHz                                                                                                  |
| SERIES                           | STM8S                                                                                                  |
| RAM SIZE                         | 1K x 8                                                                                                 |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                  |
| PROGRAM MEMORY SIZE              | 8KB (8K x 8)                                                                                           |
| PERIPHERALS                      | Brown-out Detect/Reset, POR, PWM, WDT                                                                  |
| PACKAGING                        | Tape & Reel (TR)                                                                                       |
| PACKAGE / CASE                   | 20-SOIC (0.295", 7.50mm Width)                                                                         |
| OSCILLATOR TYPE                  | Internal                                                                                               |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                      |
| NUMBER OF I/O                    | 16                                                                                                     |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                          |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                             |
| EEPROM SIZE                      | 640 x 8                                                                                                |
| DETAILED DESCRIPTION             | STM8 STM8S Microcontroller IC 8-Bit 16MHz 8KB (8K x 8) FLASH                                           |
| DATA CONVERTERS                  | A/D 5x10b                                                                                              |
| CORE SIZE                        | 8-Bit                                                                                                  |
| CORE PROCESSOR                   | STM8                                                                                                   |
| CONNECTIVITY                     | I²C, IrDA, LINbus, SPI, UART/USART                                                                     |
| BASE PART NUMBER                 | STM8S103                                                                                               |

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Related Products

|                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>STM8S103F2P6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 8BIT 4KB FLASH 20TSSOP<br/>In stock: 80023 pcs<br/><div>RFQ</div></div>     |  <div><b>STM8S103F3P6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 8BIT 8KB FLASH 20TSSOP<br/>In stock: 149681 pcs<br/><div>RFQ</div></div>   |
|  <div><b>STM8S103F3M3</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 8BIT 8KB FLASH 20SOIC<br/>In stock: 110432 pcs<br/><div>RFQ</div></div>     |  <div><b>STM8S103F3U6ATR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 8BIT 8KB FLASH 20UFQFPN<br/>In stock: 118214 pcs<br/><div>RFQ</div></div> |
|  <div><b>STM8S103F2U6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 8BIT 4KB FLASH 20UFQFPN<br/>In stock: 198291 pcs<br/><div>RFQ</div></div> |  <div><b>STM8S103F3P3</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 8BIT 8KB FLASH 20TSSOP<br/>In stock: 58474 pcs<br/><div>RFQ</div></div>      |
|  <div><b>STM8S103F3M6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 8BIT 8KB FLASH 20SOIC<br/>In stock: 66393 pcs<br/><div>RFQ</div></div>      |  <div><b>STM8S103F2P3TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 8BIT 4KB FLASH 20TSSOP<br/>In stock: 125767 pcs<br/><div>RFQ</div></div>   |
|  <div><b>STM8S103F3P6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 8BIT 8KB FLASH 20TSSOP<br/>In stock: 59528 pcs<br/><div>RFQ</div></div>     |  <div><b>STM8S103F3U3TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 8BIT 8KB FLASH 20UFQFPN<br/>In stock: 121777 pcs<br/><div>RFQ</div></div>  |
|  <div><b>STM8S103F3P3TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 8BIT 8KB FLASH 20TSSOP<br/>In stock: 128552 pcs<br/><div>RFQ</div></div>  |  <div><b>STM8S103F2P6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 8BIT 4KB FLASH 20TSSOP<br/>In stock: 144556 pcs<br/><div>RFQ</div></div>   |