



STM32F105RBT6TR

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | STM32F105RBT6TR                                                                                              |
| Manufacturer/Brand: | STMicroelectronics                                                                                           |
| Product description | IC MCU 32BIT 128KB FLASH 64LQFP                                                                              |
| Datasheets:         |  STM32F105RBT6TR.pdf        |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 20124 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Specifications of STM32F105RBT6TR

|                                  |                                                                                                         |
|----------------------------------|---------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | STM32F105RBT6TR                                                                                         |
| MANUFACTURER                     | STMicroelectronics                                                                                      |
| DESCRIPTION                      | IC MCU 32BIT 128KB FLASH 64LQFP                                                                         |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                              |
| QUANTITY AVAILABLE               | 20124 pcs                                                                                               |
| DATA SHEET                       |  STM32F105RBT6TR.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2 V ~ 3.6 V                                                                                             |
| SUPPLIER DEVICE PACKAGE          | 64-LQFP (10x10)                                                                                         |
| SPEED                            | 72MHz                                                                                                   |
| SERIES                           | STM32F1                                                                                                 |
| RAM SIZE                         | 64K x 8                                                                                                 |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                   |
| PROGRAM MEMORY SIZE              | 128KB (128K x 8)                                                                                        |
| PERIPHERALS                      | DMA, POR, PWM, Voltage Detect, WDT                                                                      |
| PACKAGING                        | Tape & Reel (TR)                                                                                        |
| PACKAGE / CASE                   | 64-LQFP                                                                                                 |
| OSCILLATOR TYPE                  | Internal                                                                                                |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                       |
| NUMBER OF I/O                    | 51                                                                                                      |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                           |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                              |
| EEPROM SIZE                      | -                                                                                                       |
| DETAILED DESCRIPTION             | ARM® Cortex®-M3 STM32F1 Microcontroller IC 32-Bit 72MHz 128KB (128K x 8) FLASH 64-LQFP (10x10)          |
| DATA CONVERTERS                  | A/D 16x12b; D/A 2x12b                                                                                   |
| CORE SIZE                        | 32-Bit                                                                                                  |
| CORE PROCESSOR                   | ARM® Cortex®-M3                                                                                         |
| CONNECTIVITY                     | CANbus, I²C, IrDA, LINbus, SPI, UART/USART, USB OTG                                                     |
| BASE PART NUMBER                 | STM32F105                                                                                               |

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