



STM32F765IIT6

|                     |                                                                                           |
|---------------------|-------------------------------------------------------------------------------------------|
| Part Number:        | STM32F765IIT6                                                                             |
| Manufacturer/Brand: | STMicroelectronics                                                                        |
| Product description | IC MCU 32BIT 2MB FLASH 176LQFP                                                            |
| Datasheets:         | <div><div>PDF</div>1.STM32F765IIT6.pdf</div> <div><div>PDF</div>2.STM32F765IIT6.pdf</div> |
| RoHs Status         | <div><div>RoHS</div>Lead free / RoHS Compliant</div>                                      |
| Stock Condition     | 6224 pcs stock                                                                            |
| Ship From           | Hong Kong                                                                                 |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                     |

REQUEST FOR QUOTATION

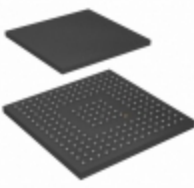
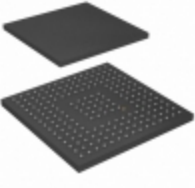
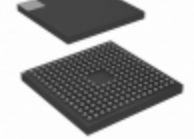
Specifications of STM32F765IIT6

|                                  |                                                                                                                    |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | STM32F765IIT6                                                                                                      |
| MANUFACTURER                     | STMicroelectronics                                                                                                 |
| DESCRIPTION                      | IC MCU 32BIT 2MB FLASH 176LQFP                                                                                     |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                         |
| QUANTITY AVAILABLE               | 6224 pcs                                                                                                           |
| DATA SHEET                       | <div><div>PDF</div>1.STM32F765IIT6.pdf</div> <div><div>PDF</div>2.STM32F765IIT6.pdf</div>                          |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.7 V ~ 3.6 V                                                                                                      |
| SUPPLIER DEVICE PACKAGE          | 176-LQFP (24x24)                                                                                                   |
| SPEED                            | 216MHz                                                                                                             |
| SERIES                           | STM32F7                                                                                                            |
| RAM SIZE                         | 512K x 8                                                                                                           |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                              |
| PROGRAM MEMORY SIZE              | 2MB (2M x 8)                                                                                                       |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, I <sup>2</sup> S, POR, PWM, WDT                                                       |
| PACKAGING                        | Tray                                                                                                               |
| PACKAGE / CASE                   | 176-LQFP                                                                                                           |
| OTHER NAMES                      | 497-16627                                                                                                          |
| OSCILLATOR TYPE                  | Internal                                                                                                           |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                  |
| NUMBER OF I/O                    | 140                                                                                                                |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                      |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                         |
| EEPROM SIZE                      | -                                                                                                                  |
| DETAILED DESCRIPTION             | ARM® Cortex®-M7 STM32F7 Microcontroller IC 32-Bit 216MHz 2MB (2M x 8) FLASH 176-LQFP (24x24)                       |
| DATA CONVERTERS                  | A/D 24x12b, A/D 2x12b                                                                                              |
| CORE SIZE                        | 32-Bit                                                                                                             |
| CORE PROCESSOR                   | ARM® Cortex®-M7                                                                                                    |
| CONNECTIVITY                     | CANbus, EBI/EMI, Ethernet, I <sup>2</sup> C, IrDA, LINbus, MMC/SD/SDIO, QSPI, SAI, SPDIF, SPI, UART/USART, USB OTG |

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| <div></div> <div>STM32F765IGK6</div> <div>Manufacturers: STMicroelectronics</div> <div>Description: IC MCU 32BIT 1MB FLASH 176UFBGA</div> <div>In stock: 7124 pcs</div> <div>RFQ</div>                         | <div></div> <div>STM32F765NIH6</div> <div>Manufacturers: STMicroelectronics</div> <div>Description: IC MCU 32BIT 2MB FLASH 216TFBGA</div> <div>In stock: 5629 pcs</div> <div>RFQ</div>                         |
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