















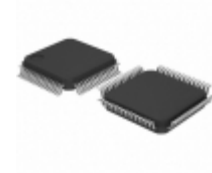
|  |   |
|--|---|
| <br>life.augmented                                      | <b>Manufacturer Part Number:</b> STM32F051R8H7  |
|  | <b>Manufacturer/Brand:</b> STMicroelectronics   |
| <br>Not Actual Photo<br>YIC International Co., Limited. | <b>Part of Description:</b> IC MCU 32BIT 64KB FLASH 64UFBGA   |
|  | <b>Datasheets:</b> <ul style="list-style-type: none"> <li> 1.STM32F051R8H7.pdf</li> <li> 2.STM32F051R8H7.pdf</li> <li> 3.STM32F051R8H7.pdf</li> <li> 4.STM32F051R8H7.pdf</li> </ul> |
| <b>RoHs Status:</b>  |  Lead free / RoHS  |
| <b>Stock Condition:</b>  | Compliant<br>New original, Stock Available.   |
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**Specifications**

|                            |   |
|----------------------------|---|
| Part Number                | STM32F051R8H7   |
| Manufacturer               | STMicroelectronics                                      |
| Description                | IC MCU 32BIT 64KB FLASH 64UFBGA                         |
| Category                   | Integrated Circuits (ICs) > Embedded - Microcontrollers |
| Part Status                | Require For Quote & Check Stock                         |
| Series                     | STM32 F0  |
| Operating Temperature      | -40°C ~ 105°C (TA)                                      |
| Package / Case             | 64-UFBGA  |
| Supplier Device Package    | 64-UFBGA (5x5)  |
| Peripherals                | DMA, I <sup>2</sup> S, POR, PWM, WDT                    |
| Core Processor             | ARM® Cortex®-M0   |
| Speed                      | 48MHz   |
| Number of I/O              | 55  |
| EEPROM Size                | -   |
| RAM Size                   | 8K x 8  |
| Core Size                  | 32-Bit  |
| Connectivity               | HDMI-CEC, I <sup>2</sup> C, IrDA, LIN, SPI, UART/USART  |
| Program Memory Size        | 64KB (64K x 8)  |
| Program Memory Type        | FLASH   |
| Voltage - Supply (Vcc/Vdd) | 2 V ~ 3.6 V   |
| Data Converters            | A/D 19x12b, D/A 1x12b                                   |
| Oscillator Type            | Internal  |
| Packaging                  | Tray  |

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| <p>In:</p>  <p><b>STM32F051R6T7TR</b><br/>STMicroelectronics<br/>IC MCU 32BIT 32KB FLASH<br/>64LQFP</p> |  <p><b>STM32F051R8H6</b><br/>STMicroelectronics<br/>IC MCU 32BIT 64KB FLASH<br/>64BGA</p>    |  <p><b>STM32F051R6T6TR</b><br/>STMicroelectronics<br/>IC MCU 32BIT 32KB FLASH<br/>64LQFP</p> |  <p><b>STM32F051R8T7</b><br/>STMicroelectronics<br/>IC MCU 32BIT 64KB FLASH<br/>64LQFP</p> |
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| ↳ CC1206JKX7R9BB224 | # CGA9N2X7R2A225M230KA | D CL10B682KB85PNC | ⇒ FA13845N-D1-TE1 | ⇒ FSA226L8X       |
| # FSBB30CH60CM      | ↳ IRFK6H350            | # ISL8502IRZ-T    | ↔ L6599ATDTR      | ⇒ LP3917RLX-NL    |
| D LT1949ES8#PBF     | # LTC3612EUDC#PBF      | ↳ MB89255A        | # MBR20045CT      | ⇒ MC1413DR2G      |
| ⇒ MCP1702T-1502E/CB | ↔ MMSZ15T1G            | # MT093APR1       | ↳ MURS140-E3/5BT  | ⇒ PFT1014N        |
| ↔ PM25LV512-25SC    | ⇒ QM5HL-24-177         | D RB160M-40F      | # REF3312AIDBZT   | ↳ SC2516MLTRT     |
| # SC4501MSETRT      | D SI4749-C10-AMR       | ⇒ SI8642AB-B-ISR  | ↔ SLB9635TT1.2    | ⇒ SP6203EM5-L-3-0 |
| ↳ SR1060CO          | # STB9NK70ZT4          | ↔ SW40CX13C       | ⇒ TC74VHCT373AFT  | ⇒ TCA4311DGKRG4   |
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