


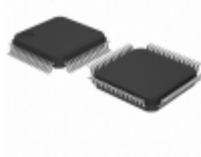




 life.augmented	<b>Manufacturer Part Number:</b> <a href="#">STM32F446RET7TR</a>
	<b>Manufacturer/Brand:</b> <a href="#">STMicroelectronics</a>
 Not Actual Photo YIC International Co., Limited.	<b>Part of Description:</b> IC MCU 32BIT 512KB FLASH 64LQFP
	<b>Datasheets:</b>  <a href="#">STM32F446RET7TR.pdf</a>
Image may be representation. See specs for product details.	<b>RoHS Status:</b>  Lead free / RoHS
	<b>Stock Condition:</b> Compliant New original, Stock Available.
	<b>Ship From:</b> Hong Kong
	<b>Shipment Way:</b> DHL/Fedex/TNT/UPS/EMS

### Specifications

Part Number	<a href="#">STM32F446RET7TR</a>
Manufacturer	<a href="#">STMicroelectronics</a>
Description	IC MCU 32BIT 512KB FLASH 64LQFP
Category	<a href="#">Integrated Circuits (ICs) &gt; Embedded - Microcontrollers</a>
Part Status	<a href="#">Require For Quote &amp; Check Stock</a>
Voltage - Supply (Vcc/Vdd)	1.7 V ~ 3.6 V
Speed	180MHz
Series	STM32F4
RAM Size	128K x 8
Program Memory Type	FLASH
Program Memory Size	512KB (512K x 8)
Peripherals	Brown-out Detect/Reset, DMA, I <sup>2</sup> S, LVD, POR, PWM,
Packaging	Tape & Reel (TR)
Oscillator Type	Internal
Operating Temperature	-40°C ~ 105°C (TA)
Number of I/O	50
Moisture Sensitivity Level (MSL)	3 (168 Hours)
Manufacturer Standard Lead Time	14 Weeks
Lead Free Status / RoHS Status	Lead free / RoHS Compliant
EEPROM Size	-
Detailed Description	ARM® Cortex®-M4 STM32F4 Microcontroller IC 32-Bit
Data Converters	A/D 16x12b, D/A 2x12b
Core Size	32-Bit
Core Processor	ARM® Cortex®-M4
Connectivity	CANbus, EBI/EMI, I <sup>2</sup> C, IrDA, LINbus, SAI, SD, SPDIF-Rx,

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