



STM32F446MEY6TR

Part Number:	STM32F446MEY6TR
Manufacturer/Brand:	STMicroelectronics
Product description	IC MCU 32BIT 512KB FLASH 81WLCSP
	1.STM32F446MEY6TR.pdf
	2.STM32F446MEY6TR.pdf
	3.STM32F446MEY6TR.pdf
	4.STM32F446MEY6TR.pdf
Datasheets:	
RoHs Status	 Lead free / RoHS Compliant
Stock Condition	13075 pcs stock
Ship From	Hong Kong
Shipment Way	DHL/Fedex/TNT/UPS/EMS

REQUEST FOR QUOTATION

Specifications of STM32F446MEY6TR

PART NUMBER	STM32F446MEY6TR
MANUFACTURER	STMicroelectronics
DESCRIPTION	IC MCU 32BIT 512KB FLASH 81WLCSP
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
QUANTITY AVAILABLE	13075 pcs
DATA SHEET	1.STM32F446MEY6TR.pdf 2.STM32F446MEY6TR.pdf 3.STM32F446MEY6TR.pdf 4.STM32F446MEY6TR.pdf
VOLTAGE - SUPPLY (VCC/VDD)	1.7 V ~ 3.6 V
SUPPLIER DEVICE PACKAGE	81-WLCSP (3.80x3.69)
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, I²S, LVD, POR, PWM, WDT
PACKAGING	Cut Tape (CT)
PACKAGE / CASE	81-UFBGA, WLCSP
OTHER NAMES	497-15812-1
OSCILLATOR TYPE	Internal
OPERATING TEMPERATURE	-40°C ~ 85°C (TA)
NUMBER OF I/O	63
MOISTURE SENSITIVITY LEVEL (MSL)	1 (Unlimited)
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
EEPROM SIZE	-
DETAILED DESCRIPTION	ARM® Cortex®-M4 STM32F4 Microcontroller IC 32-Bit 180MHz 512KB (512K x 8) FLASH 81-WLCSP (3.80x3.69)
DATA CONVERTERS	A/D 14x12b, D/A 2x12b
CORE SIZE	32-Bit
CORE PROCESSOR	ARM® Cortex®-M4
CONNECTIVITY	CANbus, EBI/EMI, I²C, IrDA, LINbus, SAI, SD, SPDIF-Rx, SPI, UART/USART, USB, USB OTG

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