



STMicroelectronics



STM32L431RBY6TR

Part Number:	STM32L431RBY6TR
Manufacturer/Brand:	STMicroelectronics
Product description	IC MCU 32BIT 128KB FLASH 64WLCSP
	1.STM32L431RBY6TR.pdf
	2.STM32L431RBY6TR.pdf
	3.STM32L431RBY6TR.pdf
	4.STM32L431RBY6TR.pdf
Datasheets:	
RoHs Status	 Lead free / RoHS Compliant
Ship From	Hong Kong
Shipment Way	DHL/Fedex/TNT/UPS/EMS

REQUEST FOR QUOTATION

Image may be representation. See specifications for product details.

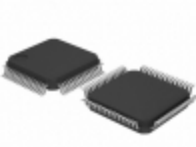
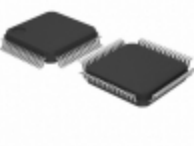
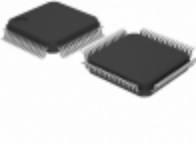
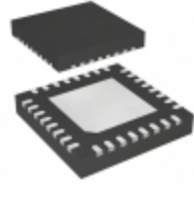
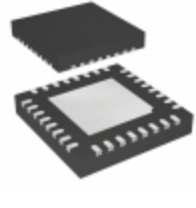
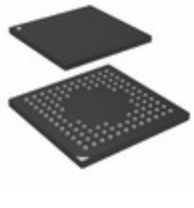
Specifications of STM32L431RBY6TR

PART NUMBER	STM32L431RBY6TR
MANUFACTURER	STMicroelectronics
DESCRIPTION	IC MCU 32BIT 128KB FLASH 64WLCSP
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
DATA SHEET	1.STM32L431RBY6TR.pdf 2.STM32L431RBY6TR.pdf 3.STM32L431RBY6TR.pdf 4.STM32L431RBY6TR.pdf
VOLTAGE - SUPPLY (VCC/VDD)	1.71 V ~ 3.6 V
SUPPLIER DEVICE PACKAGE	64-WLCSP
SPEED	80MHz
SERIES	STM32L4
RAM SIZE	64K x 8
PROGRAM MEMORY TYPE	FLASH
PROGRAM MEMORY SIZE	128KB (128K x 8)
PERIPHERALS	Brown-out Detect/Reset, DMA, PWM, WDT
PACKAGING	Tape & Reel (TR)
PACKAGE / CASE	64-UFBGA, WLCSP
OTHER NAMES	497-17943-2 STM32L431RBY6TR-ND
OSCILLATOR TYPE	Internal
OPERATING TEMPERATURE	-40°C ~ 85°C (TA)
NUMBER OF I/O	52
MOISTURE SENSITIVITY LEVEL (MSL)	3 (168 Hours)
MANUFACTURER STANDARD LEAD TIME	12 Weeks
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
EEPROM SIZE	-
DETAILED DESCRIPTION	ARM® Cortex®-M4 STM32L4 Microcontroller IC 32-Bit 80MHz 128KB (128K x 8) FLASH 64-WLCSP
DATA CONVERTERS	A/D 16x12b, D/A 2x12b
CORE SIZE	32-Bit
CORE PROCESSOR	ARM® Cortex®-M4
CONNECTIVITY	CANbus, I²C, IrDA, LINbus, MMC/SD, QSPI, SAI, SPI, SWPMI, UART/USART

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 STM32L431RCI6 Manufacturers: STMicroelectronics Description: IC MCU 32BIT 256KB FLASH 64UFBGA In stock: Out stock RFQ	 STM32L431RBT6TR Manufacturers: STMicroelectronics Description: IC MCU 32BIT 128KB FLASH 64LQFP In stock: Out stock RFQ
 STM32L431RBT6 Manufacturers: STMicroelectronics Description: IC MCU 32BIT 128KB FLASH 64LQFP In stock: 448 pcs RFQ	 STM32L432KBU6 Manufacturers: STMicroelectronics Description: IC MCU 32BIT 128KB FLASH 32QFN In stock: Out stock RFQ
 STM32L431RBI6 Manufacturers: STMicroelectronics Description: IC MCU 32BIT 128KB FLASH 64UFBGA In stock: 100 pcs RFQ	 STM32L431KBU6TR Manufacturers: STMicroelectronics Description: UFQFPN 5X5X0.55 32L In stock: Out stock RFQ
 STM32L431KCU6 Manufacturers: STMicroelectronics Description: IC MCU 32BIT 256KB FLASH 32QFN In stock: Out stock RFQ	 STM32L431VCI6 Manufacturers: STMicroelectronics Description: IC MCU 32BIT 256KB FLASH 100BGA In stock: Out stock RFQ
 STM32L431RCY6TR Manufacturers: STMicroelectronics Description: IC MCU 32BIT 256KB FLASH 64WLCSP In stock: Out stock RFQ	 STM32L431VCT6 Manufacturers: STMicroelectronics Description: IC MCU 32BIT 256KB FLASH 100LQFP In stock: 523 pcs RFQ