STM8L051F3P6TR

Manufacturer Part Number	STM8L051F3P6TR
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STM8L051F3P6TR
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 8BIT 8KB FLASH 20TSSOP
Package	20-TSSOP (0.173', 4.40mm Width)
Data sheet	STM8L051F3.pdf
RoHs Status	ROHS3 Compliant

Image may be representation.
See specifications for product details.

Get a Quote

STM8L051F3P6TR - STMicroelectronics.New Original in Stock. Download Linear Technology STM8L051F3P6TR datasheet/specifications on AllelcoElec.com.
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Specifications

STM8L051F3P6TR Tech Specifications
STM8L051F3P6TR - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	1.8V ~ 3.6V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	20-TSSOP	Number of I/O	18
Speed	16MHz	Mounting Type	Surface Mount
Series	STM8L EnergyLite	EEPROM Size	256 x 8
RAM Size	1K x 8	Data Converters	A/D 10x12b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	8KB (8K x 8)	Core Processor	STM8
Peripherals	Brown-out Detect/Reset, DMA, IR, POR, PWM, WDT	Connectivity	I²C, IrDA, SPI, UART/USART
Package / Case	20-TSSOP (0.173', 4.40mm Width)	Base Product Number	STM8
Package	Tape & Reel (TR)		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM8L051F3P6TR

Product Attribute				
Part Number	STM8L051F3P6TR	STM8L052R8T6	STM8L050J3M3	STM8L001J3M3
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Number of I/O	18	54	6	6
Oscillator Type	Internal	Internal	Internal	Internal
Series	STM8L EnergyLite	STM8L EnergyLite	STM8L EnergyLite	STM8L EnergyLite
Supplier Device Package	20-TSSOP	64-LQFP (10x10)	8-SOIC	8-SO
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
RAM Size	1K x 8	4K x 8	1K x 8	1.5K x 8
Peripherals	Brown-out Detect/Reset, DMA, IR, POR, PWM, WDT	Brown-out Detect/Reset, DMA, IR, LCD, POR, PWM, WDT	Brown-out Detect/Reset, DMA, IR, LCD, POR, PWM, WDT	DMA, IR, POR, PWM, WDT
Connectivity	I²C, IrDA, SPI, UART/USART	I²C, IrDA, SPI, UART/USART	I²C, IrDA, SPI, UART/USART	I²C, SPI, UART/USART
Package / Case	20-TSSOP (0.173', 4.40mm Width)	64-LQFP	8-SOIC (0.154", 3.90mm Width)	8-SOIC (0.154", 3.90mm Width)
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Core Processor	STM8	STM8	STM8	STM8
Speed	16MHz	16MHz	16MHz	16MHz
EEPROM Size	256 x 8	256 x 8	256 x 8	2K x 8
Program Memory Size	8KB (8K x 8)	64KB (64K x 8)	8KB (8K x 8)	8KB (8K x 8)
Data Converters	A/D 10x12b	A/D 28x12b	A/D 4x12b	-
Voltage - Supply (Vcc/Vdd)	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V
Base Product Number	STM8	STM8	STM8	STM8
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 125°C (TA)
Package	Tape & Reel (TR)	Tray	Tray	Tube
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount

STM8L051F3P6TR Datasheet PDF

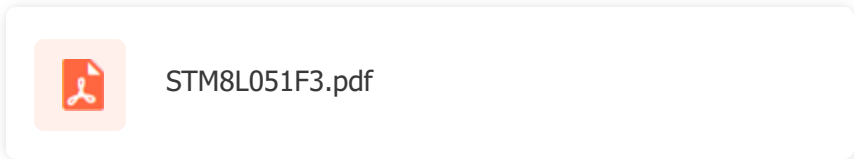Download STM8L051F3P6TR pdf datasheets and STMicroelectronics documentation for STM8L051F3P6TR - STMicroelectronics.

PCN Packaging

Moisture Barrier Bag 09/May/2016.pdf

Mult Dev Inner Pkg Chg 30/Oct/2019.pdf
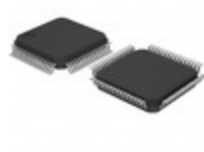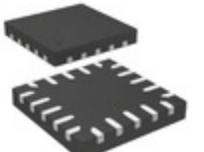
PCN Assembly/Origin

2.73KHz.pdf

HTML Datasheet

📄 STM8L051F3.pdf

🟩 **Customers Also Interested in**

Recommended Products

STM8L052C6T6/TR	**STM8L052R8T6**	**STM8L050J3M3**
STMicroelectronics	STMicroelectronics	STMicroelectronics
	IC MCU 8BIT 64KB FLASH 64LQFP	IC MCU 8BIT 8KB FLASH 8SOIC

STM8L001J3M3	**STM8L101F3P6**	**STM8L101F2U6A**
STMicroelectronics	STMicroelectronics	STMicroelectronics
IC MCU 8BIT 8KB FLASH 8SO	IC MCU 8BIT 8KB FLASH 20TSSOP	

STM8L052R8T6TR	**STM8L051F3P6**	**STM8L052C6T6**
STMicroelectronics	STMicroelectronics	STMicroelectronics
IC MCU 8BIT 64KB FLASH 64LQFP	IC MCU 8BIT 8KB FLASH 20TSSOP	IC MCU 8BIT 32KB FLASH 48LQFP

STM8L101F1U6ATR	**STM8L052C6T6TR**	**STM8L051F3P6T**
STMicroelectronics	STMicroelectronics	STMicroelectronics
IC MCU 8BIT 2KB FLASH 20UFQFPN	IC MCU 8BIT 32KB FLASH 48LQFP	

STM8L051F3	**STM8L051F3P6.**	**STM8L051K8T7**
STMicroelectronics	STMicroelectronics	STMicroelectronics

STM8L001J3M3TR	**STM8L051F3P6/TR**	**STM8L050J3M3TR**
STMicroelectronics	STMicroelectronics	STMicroelectronics
IC MCU 8BIT 8KB FLASH 8SOIC		IC MCU 8BIT 8KB FLASH 8SOIC

🟩 **Shipment**

Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

Delivery Cost

> Use your express account for shipment if you have one.
> Use our account for the shipment. Refer to the table below for the approximate charges.
(Different time frame / countries / package size has different price.)

Delivery Method

> Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.
> Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference		
Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference	
Shipment charges(KG)	Reference DHL(USD$)
0.00kg-1.00kg	USD$60.00
1.00kg-2.00kg	USD$70.00
2.00kg-3.00kg	USD$80.00

Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support

The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.

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Phone
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Contact us

Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong
Phone: +00852 9146 4856
Fax: +00852 3010 8510
Email: info@Allelco.com