



Image may be representation.
See specifications for product details.



STM8AF52A8TDY

Manufacturer Part Number	STM8AF52A8TDY
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STM8AF52A8TDY
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 8BIT 128KB FLASH 48LQFP
Package	48-LQFP
Data sheet	STM8AF52xx, STM8AF62xx.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STM8AF52A8TDY - STMicroelectronics.New Original in Stock. Download Linear Technology STM8AF52A8TDY datasheet/specifications on AllelcoElec.com.
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Specifications

STM8AF52A8TDY Tech Specifications

STM8AF52A8TDY - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	3V ~ 5.5V	Operating Temperature	-40°C ~ 150°C (TA)
Speed	24MHz	Number of I/O	38
Series	Automotive, AEC-Q100, STM8A	Mounting Type	Surface Mount
RAM Size	6K x 8	EEPROM Size	2K x 8
Program Memory Type	FLASH	Data Converters	A/D 10x10b
Program Memory Size	128KB (128K x 8)	Core Size	8-Bit
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Core Processor	STM8A
Package / Case	48-LQFP	Connectivity	CANbus, I ² C, LINbus, SPI, UART/USART
Package	Tray	Base Product Number	STM8

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM8AF52A8TDY

Product Attribute				
Part Number	STM8AF52A8TDY	STM8AF52A8TAY	STM8AF5289TCY	STM8AF528ATCY
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Connectivity	CANbus, I ² C, LINbus, SPI, UART/USART	CANbus, I ² C, LINbus, SPI, UART/USART	CANbus, I ² C, LINbus, SPI, UART/USART	CANbus, I ² C, LINbus, SPI, UART/USART
Operating Temperature	-40°C ~ 150°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 125°C (TA)
Series	Automotive, AEC-Q100, STM8A	STM8A	Automotive, AEC-Q100, STM8A	Automotive, AEC-Q100, STM8A
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT
Voltage - Supply (Vcc/Vdd)	3V ~ 5.5V	3V ~ 5.5V	3V ~ 5.5V	3V ~ 5.5V
Package / Case	48-LQFP	48-LQFP	64-LQFP	80-LQFP
Number of I/O	38	38	52	68
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Data Converters	A/D 10x10b	A/D 10x10b	A/D 16x10b	A/D 16x10b
Package	Tray	Tray	Tray	Tray
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Oscillator Type	Internal	Internal	Internal	Internal
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Speed	24MHz	24MHz	24MHz	24MHz
Base Product Number	STM8	STM8	STM8	STM8
RAM Size	6K x 8	6K x 8	6K x 8	6K x 8
Program Memory Size	128KB (128K x 8)	128KB (128K x 8)	64KB (64K x 8)	64KB (64K x 8)
EEPROM Size	2K x 8	2K x 8	2K x 8	2K x 8
Core Processor	STM8A	STM8A	STM8A	STM8A

STM8AF52A8TDY Datasheet PDF

Download STM8AF52A8TDY pdf datasheets and STMicroelectronics documentation for STM8AF52A8TDY - STMicroelectronics.

PCN Packaging

[Material Barrier Bag 17/Dec/2020.pdf](#)

PCN Design/Specification

[Mult Dev 28/Nov/2022.pdf](#)

PCN Assembly/Origin

STM8A Testing Chgs 13/Dec/2021.pdf

PCN Obsolescence/ EOL








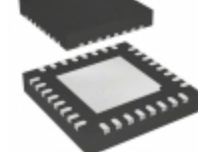










Mult Dev EOL 29/Oct/2021.pdf

HTML Datasheet

STM8AF52xx, STM8AF62xx.pdf

Customers Also Interested in

Recommended Products

 STM8AF5289TC STMicroelectronics	 STM8AF52A8TA STMicroelectronics	 STM8AF52A8TAY STMicroelectronics IC MCU 8BIT 128KB FLASH 48LQFP	 STM8AF52A8TD STMicroelectronics	 STM8AF5289TCY STMicroelectronics IC MCU 8BIT 64KB FLASH 64LQFP	 STM8AF528ATCY STMicroelectronics IC MCU 8BIT 64KB FLASH 80LQFP
 STM8AF5289TCX STMicroelectronics IC MCU 8BIT 64KB FLASH 64LQFP	 STM8AF52A6UCY STMicroelectronics IC MCU 8BIT 128KB FLASH 32UFQFPN	 STM8AF52AATA STMicroelectronics	 STM8AF52A9TC STMicroelectronics	 STM8AF52A8TCX STMicroelectronics IC MCU 8BIT 128KB FLASH 48LQFP	 STM8AF52A9TD STMicroelectronics
 STM8AF528ATC STMicroelectronics	 STM8AF52A9TAY STMicroelectronics IC MCU 8BIT 128KB FLASH 64LQFP	 STM8AF52AATAY STMicroelectronics IC MCU 8BIT 128KB FLASH 80LQFP	 STM8AF52AATCY STMicroelectronics IC MCU 8BIT 128KB FLASH 80LQFP	 STM8AF52A9TCY STMicroelectronics IC MCU 8BIT 128KB FLASH 64LQFP	 STM8AF52A9TA STMicroelectronics

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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Contact us if you have any questions.

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