

Image may be representation.
See specifications for product details.



MCF51JU128VLH

| | |
|--------------------------|---|
| Manufacturer Part Number | MCF51JU128VLH |
| Manufacturer | NXP Semiconductors |
| Allelco Part Number | 32D-MCF51JU128VLH |
| ECAD Model | Request Free CAD Models |
| Parts Description | IC MCU 32BIT 128KB FLASH 64LQFP |
| Package | 64-LQFP |
| Data sheet | ColdFire+ Portfolio Brief.pdf MCF51JU128 Ref Manual.pdf MCF51JU128 Series DataSheet.pdf |
| RoHs Status | ROHS3 Compliant |

Get a Quote

MCF51JU128VLH - NXP USA Inc..New Original in Stock. Download Linear Technology MCF51JU128VLH datasheet/specifications on AllelcoElec.com.
Request a quote for MCF51JU128VLH, please send us email: info@allelco.com

Specifications

MCF51JU128VLH Tech Specifications
MCF51JU128VLH - NXP USA Inc. technical specifications, attributes, parameters

| Product Attribute | Attribute Value | Product Attribute | Attribute Value |
|----------------------------|---|-----------------------|---|
| Manufacturer | NXP Semiconductors | Oscillator Type | External |
| Voltage - Supply (Vcc/Vdd) | 1.71V ~ 3.6V | Operating Temperature | -40°C ~ 105°C (TA) |
| Supplier Device Package | 64-LQFP (10x10) | Number of I/O | 48 |
| Speed | 50MHz | Mounting Type | Surface Mount |
| Series | MCF51Jx | EEPROM Size | - |
| RAM Size | 32K x 8 | Data Converters | A/D 17x12b; D/A 1x12b |
| Program Memory Type | FLASH | Core Size | 32-Bit Single-Core |
| Program Memory Size | 128KB (128K x 8) | Core Processor | Coldfire V1 |
| Peripherals | DMA, I ² S, LVD, POR, PWM, WDT | Connectivity | EBI/EMI, I ² C, SPI, UART/USART, USB OTG |
| Package / Case | 64-LQFP | Base Product Number | MCF51 |
| Package | Tray | | |

Parts with Similar Specifications

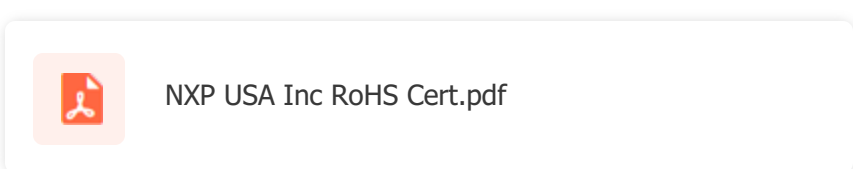
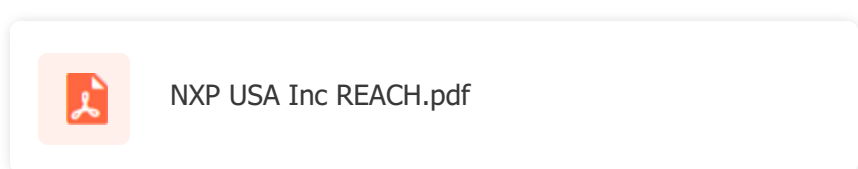
The three parts on the right have similar specifications to NXP USA Inc. MCF51JU128VLH

| Product Attribute | | | | |
|----------------------------|---|---|---|---|
| Part Number | MCF51JU128VLH | MCF51JM32VLK | MCF51JM64VLK | MCF51JU128VHS |
| Manufacturer | NXP USA Inc. | Freescale Semiconductor | NXP USA Inc. | Freescale Semiconductor |
| Voltage - Supply (Vcc/Vdd) | 1.71V ~ 3.6V | 2.7V ~ 5.5V | 2.7V ~ 5.5V | 1.71V ~ 3.6V |
| Data Converters | A/D 17x12b; D/A 1x12b | A/D 12x12b | A/D 12x12b | A/D 9x12b; D/A 1x12b |
| Peripherals | DMA, I ² S, LVD, POR, PWM, WDT | LVD, PWM, WDT | LVD, PWM, WDT | DMA, I ² S, LVD, POR, PWM, WDT |
| Core Size | 32-Bit Single-Core | 32-Bit Single-Core | 32-Bit Single-Core | 32-Bit Single-Core |
| EEPROM Size | - | - | - | - |
| Operating Temperature | -40°C ~ 105°C (TA) | -40°C ~ 105°C (TA) | -40°C ~ 105°C (TA) | -40°C ~ 105°C (TA) |
| Package | Tray | Bulk | Tray | Bulk |
| Number of I/O | 48 | 66 | 66 | 31 |
| Program Memory Size | 128KB (128K x 8) | 32KB (32K x 8) | 64KB (64K x 8) | 128KB (128K x 8) |
| Series | MCF51Jx | MCF51JM | MCF51JM | MCF51Jx |
| RAM Size | 32K x 8 | 16K x 8 | 16K x 8 | 32K x 8 |
| Core Processor | Coldfire V1 | Coldfire V1 | Coldfire V1 | Coldfire V1 |
| Package / Case | 64-LQFP | 80-LQFP | 80-LQFP | 44-VFLGA Exposed Pad |
| Connectivity | EBI/EMI, I ² C, SPI, UART/USART, USB OTG | CANbus, I ² C, SCI, SPI, USB OTG | CANbus, I ² C, SCI, SPI, USB OTG | EBI/EMI, I ² C, SPI, UART/USART, USB OTG |
| Mounting Type | Surface Mount | Surface Mount | Surface Mount | Surface Mount |
| Speed | 50MHz | 50MHz | 50MHz | 50MHz |
| Base Product Number | MCF51 | MCF51 | MCF51 | MCF51 |
| Oscillator Type | External | External | External | External |
| Supplier Device Package | 64-LQFP (10x10) | 80-LQFP (14x14) | 80-LQFP (14x14) | 44-MAPLGA (5x5) |
| Program Memory Type | FLASH | FLASH | FLASH | FLASH |

MCF51JU128VLH Datasheet PDF

Download MCF51JU128VLH pdf datasheets and NXP USA Inc. documentation for MCF51JU128VLH - NXP USA Inc..

Environmental Information



PCN Packaging



Mult Dev Pkg Seal 15/Dec/2020.pdf

Mult Dev Pkg Chgs 8/Feb/2022.pdf

PCN Assembly/Origin

2.73KHz.pdf

PCN Design/Specification

Cylindrical Battery Holders.pdf

HTML Datasheet






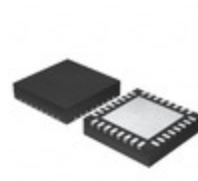
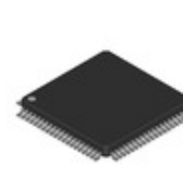

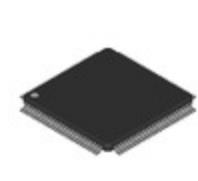
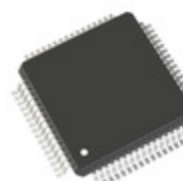
ColdFire+ Portfolio Brief.pdf

MCF51JU128 Ref Manual.pdf

MCF51JU128 Series DataSheet.pdf

Customers Also Interested in

Recommended Products

| | | | | | |
|---|---|---|--|---|---|
|  |  |  |  |  |  |
| MCF51JM32VLK Freescale Semiconductor IC MCU 32BIT 32KB FLASH 80LQFP | MCF51JM64VLK NXP USA Inc. IC MCU 32BIT 64KB FLASH 80LQFP | MCF51JU128VHS Freescale Semiconductor IC MCU 32BIT 128KB FLSH 44MAPLGA | MCF51JM64EVLH Freescale Semiconductor IC MCU 32BIT 64KB FLASH 64LQFP | MCF51JU128VLH Freescale Semiconductor MCF51Jx 32-bit MCU, ColdFire V1 | MCF51MM128CLK Freescale Semiconductor IC MCU 32BIT 128KB FLASH 80FQFP |
|  |  |  |  |  |  |
| MCF51JU64VLF NXP USA Inc. IC MCU 32BIT 64KB FLASH 48LQFP | MCF51JU32VFM NXP USA Inc. IC MCU 32BIT 32KB FLASH 32QFN | MCF51JM32VLD NXP USA Inc. IC MCU 32BIT 32KB FLASH 44LQFP | MCF51JM64VLK Freescale Semiconductor IC MCU 32BIT 64KB FLASH 80LQFP | MCF51MM256CLK Freescale Semiconductor IC MCU 32BIT 256KB FLASH 80FQFP | MCF51QE128CLH NXP USA Inc. IC MCU 32BIT 128KB FLASH 64LQFP |
|  |  |  |  |  |  |
| MCF51MM128CLK NXP USA Inc. IC MCU 32BIT 128KB FLASH 80FQFP | MCF51MM256VLL Freescale Semiconductor IC MCU 32BIT 256KB FLASH 100LQFP | MCF51JM32VLK NXP USA Inc. IC MCU 32BIT 32KB FLASH 80LQFP | MCF51JM64EVLH NXP USA Inc. IC MCU 32BIT 64KB FLASH 64LQFP | MCF51JU128VHS NXP USA Inc. IC MCU 32BIT 128KB FLSH 44MAPLGA | MCF51MM256VLL NXP USA Inc. IC MCU 32BIT 256KB FLASH 100LQFP |

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.



Your Faithful Supply Chain Partner -

| | | |
|--|--|---|
|  Efficient Supply Management |  Cost-Saving Procurement |  Fast Sourcing & Delivery |
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Contact us if you have any questions.

| | |
|--|--|
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|--|--|

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