

S4MF03107SPZQQ1



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Part Number: **S4MF03107SPZQQ1**

Manufacturer: **N/A**

Description: **IC MCU 32BIT 320KB FLASH 100LQFP**

Data sheet:

RoHs Status: **Lead free / RoHS Compliant**

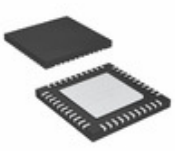
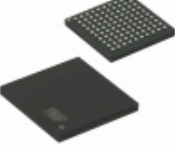
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                           |                                                         |                                  |                                                                                                                                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                 | S4MF03107SPZQQ1                                         | Manufacturer                     | N/A                                                                                                                                                |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                 | IC MCU 32BIT 320KB FLASH 100LQFP                        | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                         |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                          | 17405 pcs                                               | Data sheet                       |                                                                                                                                                    |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                    | <a href="#">Integrated Circuits (ICs)</a>               | Voltage - Supply (Vcc/Vdd)       | 1.4 V ~ 1.7 V                                                                                                                                      |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                     | 100-LQFP (14x14)                                        | Speed                            | 80MHz                                                                                                                                              |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                      | Automotive, AEC-Q100, Hercules™ TMS470M ARM® Cortex®-M3 | RAM Size                         | 16K x 8                                                                                                                                            |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                         | FLASH                                                   | Program Memory Size              | 320KB (320K x 8)                                                                                                                                   |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                 | POR, WDT                                                | Packaging                        | Tray                                                                                                                                               |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                              | 100-LQFP                                                | Other Names                      | 296-30519<br>S4MF03107SPZQQ1-ND                                                                                                                    |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                             | External                                                | Operating Temperature            | -40°C ~ 125°C (TA)                                                                                                                                 |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                               | 49                                                      | 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®-M3 Automotive, AEC-Q100, Hercules™ TMS470M ARM® Cortex®-M3 Microcontroller IC 16/32-Bit 80MHz 320KB (320K x 8) FLASH 100-LQFP (14x14) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                             | A/D 16x10b                                              | Core Size                        | 16/32-Bit                                                                                                                                          |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                              | ARM® Cortex®-M3                                         | Connectivity                     | CANbus, LINbus, SCI, SPI, UART/USART                                                                                                               |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                            | TMS470MF03107                                           |                                  |                                                                                                                                                    |
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| RELATED PRODUCTS                                                                   |                                                                                               |                                                               |                |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|---------------------------------------------------------------|----------------|
|  | Part#: <a href="#">R5F52316ADFL#30</a><br>Description: IC MCU 32BIT 256KB FLASH 48LFQFP       | Manufacturers: <a href="#">Renesas Electronics America</a>    | <div>RFQ</div> |
|  | Part#: <a href="#">S4MF04207SPZQQ1</a><br>Description: IC MCU 32BIT 448KB FLASH 100LQFP       | Manufacturers: <a href="#">N/A</a>                            | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24FJ64GA204-E/ML</a><br>Description: IC MCU 16BIT 64KB FLASH 44QFN      | Manufacturers: <a href="#">Micrel / Microchip Technology</a>  | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F25K42T-I/MV</a><br>Description: IC MCU 8BIT 32KB FLASH 28UQFN        | Manufacturers: <a href="#">Micrel / Microchip Technology</a>  | <div>RFQ</div> |
|  | Part#: <a href="#">S4M M6G</a><br>Description: DIODE GEN PURP 4A DO214AB                      | Manufacturers: <a href="#">TSC (Taiwan Semiconductor)</a>     | <div>RFQ</div> |
|  | Part#: <a href="#">S4M V7G</a><br>Description: DIODE GEN PURP 1KV 4A DO214AB                  | Manufacturers: <a href="#">TSC (Taiwan Semiconductor)</a>     | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MX320F032H-40V/PT</a><br>Description: IC MCU 32BIT 32KB FLASH 64TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a>  | <div>RFQ</div> |
|  | Part#: <a href="#">MB90548GSPMC3-GS-126E1</a><br>Description: IC MCU 16BIT 128KB MROM 100LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a>          | <div>RFQ</div> |
|  | Part#: <a href="#">SPC560P60L3CEFAY</a><br>Description: AUTOMOTIVE DIGITAL                    | Manufacturers: <a href="#">STMicroelectronics</a>             | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4SD16CA-CUR</a><br>Description: IC MCU 32BIT 1MB FLASH 100TFBGA       | Manufacturers: <a href="#">Micrel / Microchip Technology</a>  | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F220</a><br>Description: IC MCU 8BIT 8KB FLASH 48QFP                  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a>    | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24F16KA302-E/SP</a><br>Description: IC MCU 16BIT 16KB FLASH 28SDIP      | Manufacturers: <a href="#">Micrel / Microchip Technology</a>  | <div>RFQ</div> |
|  | Part#: <a href="#">S4MF06607BSPZQQ1</a><br>Description: IC MCU 32BIT 640KB FLASH 100LQFP      | Manufacturers: <a href="#">N/A</a>                            | <div>RFQ</div> |
|  | Part#: <a href="#">S4M V6G</a><br>Description: DIODE GEN PURP 4A DO214AB                      | Manufacturers: <a href="#">TSC (Taiwan Semiconductor)</a>     | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16C717T-I/SS</a><br>Description: IC MCU 8BIT 3.5KB OTP 20SSOP           | Manufacturers: <a href="#">Micrel / Microchip Technology</a>  | <div>RFQ</div> |
|  | Part#: <a href="#">S4M R7G</a><br>Description: DIODE GEN PURP 1KV 4A DO214AB                  | Manufacturers: <a href="#">TSC (Taiwan Semiconductor)</a>     | <div>RFQ</div> |
|  | Part#: <a href="#">MC68332AMAG20</a><br>Description: IC MCU 32BIT ROMLESS 144LQFP             | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S4M</a><br>Description: DIODE GEN PURP 400V 2A AXIAL                       | Manufacturers: <a href="#">Semtech</a>                        | <div>RFQ</div> |
|  | Part#: <a href="#">MK22DX128VLK5</a><br>Description: IC MCU 32BIT 128KB FLASH 80LQFP          | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S4MF03107SPZQQ1R</a><br>Description: IC MCU 32BIT 320KB FLASH 100LQFP      | Manufacturers: <a href="#">N/A</a>                            | <div>RFQ</div> |

Related keywords for **S4MF03107SPZQQ1**

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