

LM3S9790-IBZ80-C5T



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Part Number: [LM3S9790-IBZ80-C5T](#)

Manufacturer: [N/A](#)

Description: [IC MCU 32BIT 128KB FLASH 108BGA](#)

Data sheet:

RoHs Status: [Lead free / RoHS Compliant](#)

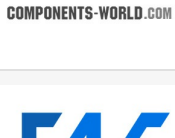
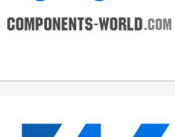
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                             |                                                 |                                |                                                                                                                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|--------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                   | LM3S9790-IBZ80-C5T                              | Manufacturer                   | N/A                                                                                                                     |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                   | IC MCU 32BIT 128KB FLASH 108BGA                 | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                              |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                            | 4786 pcs                                        | Data sheet                     |                                                                                                                         |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                      | <a href="#">Integrated Circuits (ICs)</a>       | Voltage - Supply (Vcc/Vdd)     | 1.235 V ~ 1.365 V                                                                                                       |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                       | 108-BGA (10x10)                                 | Speed                          | 80MHz                                                                                                                   |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                        | Stellaris® ARM® Cortex®-M3S 9000                | RAM Size                       | 64K x 8                                                                                                                 |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                           | FLASH                                           | Program Memory Size            | 128KB (128K x 8)                                                                                                        |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                   | Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT | Packaging                      | Tape & Reel (TR)                                                                                                        |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                | 108-LFBGA                                       | Oscillator Type                | Internal                                                                                                                |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                         | -40°C ~ 85°C (TA)                               | Number of I/O                  | 60                                                                                                                      |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                              | 3 (168 Hours)                                   | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                              |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                   | -                                               | Detailed Description           | ARM® Cortex®-M3 Stellaris® ARM® Cortex®-M3S 9000 Microcontroller IC 32-Bit 80MHz 128KB (128K x 8) FLASH 108-BGA (10x10) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                               | A/D 16x10b                                      | Core Size                      | 32-Bit                                                                                                                  |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                | ARM® Cortex®-M3                                 | Connectivity                   | CANbus, EBI/EMI, Ethernet, I²C, IrDA, LINbus, Microwire, SPI, SSI, UART/USART, USB OTG                                  |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                              | LM3S9790                                        |                                |                                                                                                                         |
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| RELATED PRODUCTS                                                                   |                                                                                                            |                                    |                |
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|  | Part#: <a href="#">LM3S9790-IQC80-C3</a><br>Description: <a href="#">IC MCU 32BIT 128KB FLASH 100LQFP</a>  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LM3S9781-IQC80-C5</a><br>Description: <a href="#">IC MCU 32BIT 128KB FLASH 100LQFP</a>  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LM3S9790-IBZ80-C1</a><br>Description: <a href="#">IC MCU 32BIT 128KB FLASH 108BGA</a>   | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">LM3S9781-IQC80-C5T</a><br>Description: <a href="#">IC MCU 32BIT 128KB FLASH 100LQFP</a> | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">LM3S9792-IBZ80-C1</a><br>Description: <a href="#">IC MCU 32BIT 128KB FLASH 108BGA</a>   | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">LM3S9790-IBZ80-C3T</a><br>Description: <a href="#">IC MCU 32BIT 128KB FLASH 108BGA</a>  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">LM3S9790-IQC80-C5</a><br>Description: <a href="#">IC MCU 32BIT 128KB FLASH 100LQFP</a>  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">LM3S9790-IQC80-C0</a><br>Description: <a href="#">IC MCU 32BIT 128KB FLASH 100LQFP</a>  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
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