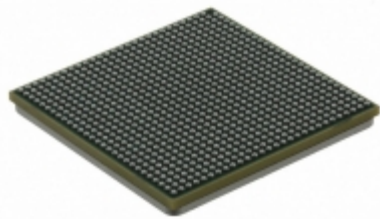


MSC8252TVT1000B



Part Number: [MSC8252TVT1000B](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC PROCESSOR 2-CORE 783FCBGA

Data sheet:  [MSC8252](#)  
 [TBI Link Status Errata](#)

RoHs Status: Lead free / RoHS Compliant

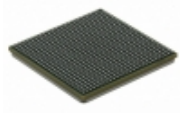
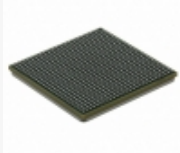
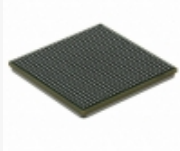
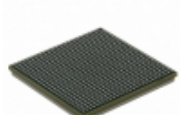
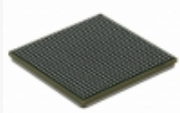
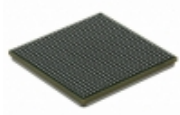
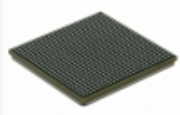
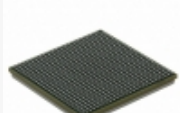
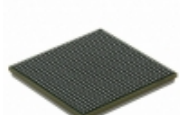
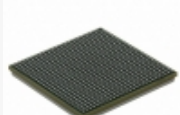
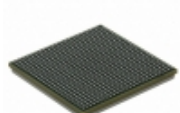
Ship From: Hong Kong

Shipment Way: DHL/Fedex/TNT/UPS/EMS

Images are for reference only.  
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                |                                |                                                                   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------|-------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | MSC8252TVT1000B                                                                | Manufacturer                   | <a href="#">NXP Semiconductors / Freescale</a>                    |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | IC PROCESSOR 2-CORE 783FCBGA                                                   | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                        |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 5547 pcs                                                                       | Data sheet                     | <a href="#">MSC8252</a><br><a href="#">TBI Link Status Errata</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <a href="#">Integrated Circuits (ICs)</a>                                      | Voltage - I/O                  | 2.50V                                                             |
| Voltage - Core                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1.00V                                                                          | Type                           | SC3850 Dual Core                                                  |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 783-FCPBGA (29x29)                                                             | Series                         | StarCore                                                          |
| Packaging                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Tray                                                                           | Package / Case                 | 783-BBGA, FCBGA                                                   |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -40°C ~ 105°C (TJ)                                                             | On-Chip RAM                    | 576kB                                                             |
| Non-Volatile Memory                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ROM (96 kB)                                                                    | Mounting Type                  | Surface Mount                                                     |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 3 (168 Hours)                                                                  | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                        |
| Interface                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Ethernet, I <sup>2</sup> C, PCI, RGMII, Serial RapidIO, SGMII, SPI, UART/USART | Clock Rate                     | 1GHz                                                              |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | MSC8252                                                                        |                                |                                                                   |
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|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------|---------------------|
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|  | Part#: <a href="#">MSC8251TAG1000B</a><br>Description: IC DSP 1X 1GHZ SC3850 783FCBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MSC8256SAG1000B</a><br>Description: IC DSP 6X 1GHZ SC3850 783FCBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MSC8254TVT800B</a><br>Description: IC PROCESSOR 4-CORE 783FCBGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MSC8254SAG1000B</a><br>Description: IC DSP 4X 1GHZ SC3850 783FCBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MSC8251SVT1000B</a><br>Description: IC PROCESSOR 1-CORE 783FCBGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MSC8254TAG1000B</a><br>Description: IC DSP 4X 1GHZ SC3850 783FCBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MSC8157TAG1000A</a><br>Description: IC DSP 6X 1GHZ SC3850 783FCBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MSC8252SVT1000B</a><br>Description: IC PROCESSOR 2-CORE 783FCBGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MSC8256TAG1000B</a><br>Description: IC DSP 6X 1GHZ SC3850 783FCBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">MSC8251TVT1000B</a><br>Description: IC DSP SINGLE 1GHZ 783FCBGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MSC8256SVT800B</a><br>Description: IC PROCESSOR 6-CORE 783FCBGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MSC8254SVT800B</a><br>Description: IC PROCESSOR 4-CORE 783FCBGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MSC8252SAG1000B</a><br>Description: IC DSP 2X 1GHZ SC3850 783FCBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MSC8254TVT1000B</a><br>Description: IC DSP QUAD 1GHZ 783FCBGA      | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MSC8256SVT1000B</a><br>Description: IC PROCESSOR 6-CORE 783FCBGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MSC8157SVT1000A</a><br>Description: IC DSP 6-CORE DGTL 783FCBGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MSC8157TVT1000A</a><br>Description: IC DSP 6-CORE DGTL 783FCBGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MSC8251SAG1000B</a><br>Description: IC DSP 1X 1GHZ SC3850 783FCBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |

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