

MSC8252SAG1000B



Part Number: [MSC8252SAG1000B](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC DSP 2X 1GHZ SC3850 783FCBGA

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

RoHs Status: Lead free / RoHS Compliant

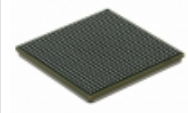
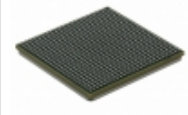
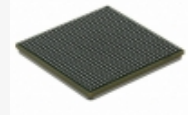
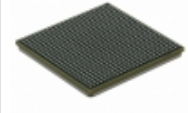
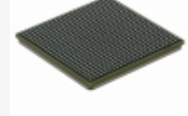
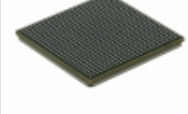
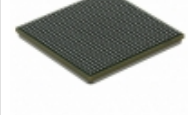
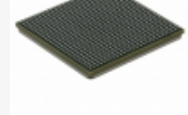
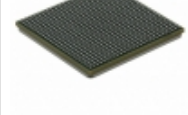
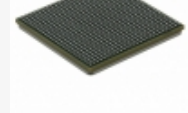
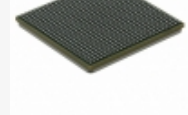
Ship From: Hong Kong

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

Images are for reference only.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                           |                                  |                                                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|--------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | MSC8252SAG1000B                           | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a>                                 |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | IC DSP 2X 1GHZ SC3850 783FCBGA            | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                     |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 5377 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                                                                |
| Other Names                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 935319996557                              | Operating Temperature            | 0°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                                      |                                  |                                                                                |
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| RELATED PRODUCTS                                                                   |                                                                                        |                                                               |                     |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------|---------------------|
|  | 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="#">MSC8254TAG1000B</a><br>Description: IC DSP 4X 1GHZ SC3850 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="#">MSC8254SVT1000B</a><br>Description: IC PROCESSOR 4-CORE 783FCBGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MSC8157ETVT1000A</a><br>Description: IC DSP 6-CORE DGTL 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="#">MSC8252TAG1000B</a><br>Description: IC DSP 2X 1GHZ SC3850 783FCBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MSC8157SAG1000A</a><br>Description: IC DSP 6X 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> |
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