

5962-9958501QYC



**Part Number:** 5962-9958501QYC

**Manufacturer:** Microsemi

**Description:** IC FPGA MX SGL CHIP 54K 256-CQFP

**Data sheet:**  [40MX,42MX FPGA Family Datasheet](#)

**RoHs Status:** Contains lead / RoHS non-compliant

**Ship From:** Hong Kong

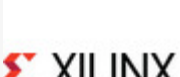
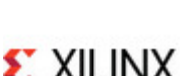
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| PRODUCT PARAMETER              |                                           |                                  |                                                 |
|--------------------------------|-------------------------------------------|----------------------------------|-------------------------------------------------|
| Part Number                    | 5962-9958501QYC                           | Manufacturer                     | <a href="#">Microsemi</a>                       |
| Description                    | IC FPGA MX SGL CHIP 54K 256-CQFP          | Lead Free Status / RoHS Status   | Contains lead / RoHS non-compliant              |
| Quantity Available             | 13 pcs                                    | Data sheet                       | <a href="#">40MX,42MX FPGA Family Datasheet</a> |
| Category                       | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply                 | 3 V ~ 3.6 V, 4.5 V ~ 5.5 V                      |
| Total RAM Bits                 | 2560                                      | Supplier Device Package          | 208-CQFP (75x75)                                |
| Series                         | MX                                        | Package / Case                   | 208-BFCQFP with Tie Bar                         |
| Operating Temperature          | -55°C ~ 125°C (TJ)                        | Number of I/O                    | 176                                             |
| Number of Gates                | 54000                                     | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                   |
| Lead Free Status / RoHS Status | Contains lead / RoHS non-compliant        | Base Part Number                 | 5962-99585                                      |

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| RELATED PRODUCTS                                                                   |                                                                                         |                                                                 |                     |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------|---------------------|
|  | Part#: <a href="#">5962-9957201QYC</a><br>Description: IC FPGA 2.5V HIREL VIRTEX 300    | Manufacturers: <a href="#">Xilinx Inc.</a>                      | <a href="#">RFQ</a> |
|  | Part#: <a href="#">5962-9958601QYC</a><br>Description: IC FPGA SX 48K GATES 256-CQFP    | Manufacturers: <a href="#">Microsemi</a>                        | <a href="#">RFQ</a> |
|  | Part#: <a href="#">5962-9961601HXA</a><br>Description: IC ADC 14BIT 65MSPS DUAL 68CLCC  | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a>       | <a href="#">RFQ</a> |
|  | Part#: <a href="#">5962-9958602QXC</a><br>Description: IC FPGA SX 48K GATES 256-CQFP    | Manufacturers: <a href="#">Microsemi</a>                        | <a href="#">RFQ</a> |
|  | Part#: <a href="#">5962-9958601QXC</a><br>Description: IC FPGA SX 48K GATES 256-CQFP    | Manufacturers: <a href="#">Microsemi</a>                        | <a href="#">RFQ</a> |
|  | Part#: <a href="#">5962-9957301NUA</a><br>Description: IC FPGA 2.5V HIREL VIRTEX 600    | Manufacturers: <a href="#">Xilinx</a>                           | <a href="#">RFQ</a> |
|  | Part#: <a href="#">5962-9957201NNA</a><br>Description: IC FPGA 2.5V HIREL VIRTEX 300    | Manufacturers: <a href="#">Xilinx</a>                           | <a href="#">RFQ</a> |
|  | Part#: <a href="#">5962-9957201NUA</a><br>Description: IC FPGA 2.5V HIREL VIRTEX 300    | Manufacturers: <a href="#">Xilinx</a>                           | <a href="#">RFQ</a> |
|  | Part#: <a href="#">5962-9958502QYC</a><br>Description: IC FPGA MX SGL CHIP 54K 256-CQFP | Manufacturers: <a href="#">Microsemi</a>                        | <a href="#">RFQ</a> |
|  | Part#: <a href="#">5962-9958602QYC</a><br>Description: IC FPGA SX 48K GATES 256-CQFP    | Manufacturers: <a href="#">Microsemi</a>                        | <a href="#">RFQ</a> |
|  | Part#: <a href="#">5962-9957301QYC</a><br>Description: IC FPGA 2.5V HIREL VIRTEX 600    | Manufacturers: <a href="#">Xilinx Inc.</a>                      | <a href="#">RFQ</a> |
|  | Part#: <a href="#">5962-9957301QZC</a><br>Description: IC FPGA 2.5V HIREL VIRTEX 600    | Manufacturers: <a href="#">Xilinx Inc.</a>                      | <a href="#">RFQ</a> |
|  | Part#: <a href="#">5962-9958502QXC</a><br>Description: IC FPGA MX SGL CHIP 54K 256-CQFP | Manufacturers: <a href="#">Microsemi</a>                        | <a href="#">RFQ</a> |
|  | Part#: <a href="#">5962-9957201NTB</a><br>Description: IC FPGA 2.5V HIREL VIRTEX 300    | Manufacturers: <a href="#">Xilinx Inc.</a>                      | <a href="#">RFQ</a> |
|  | Part#: <a href="#">5962-9961002HXA</a><br>Description: IC ADC 12BIT 105MSPS DUAL 68CLCC | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a>       | <a href="#">RFQ</a> |
|  | Part#: <a href="#">5962-9957401QXA</a><br>Description: IC FPGA 2.5V HIREL VIRTEX 1000   | Manufacturers: <a href="#">Xilinx</a>                           | <a href="#">RFQ</a> |
|  | Part#: <a href="#">5962-9958501QXC</a><br>Description: IC FPGA MX SGL CHIP 54K 256-CQFP | Manufacturers: <a href="#">Microsemi</a>                        | <a href="#">RFQ</a> |
|  | Part#: <a href="#">59623-4</a><br>Description: ANVIL                                    | Manufacturers: <a href="#">Agastat Relays / TE Connectivity</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">5962-9957201QZC</a><br>Description: IC FPGA 2.5V HIREL VIRTEX 300    | Manufacturers: <a href="#">Xilinx Inc.</a>                      | <a href="#">RFQ</a> |
|  | Part#: <a href="#">5962-9961003HXA</a><br>Description: IC ADC                           | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a>       | <a href="#">RFQ</a> |

| Related keywords for 5962-9958501QYC   |                                                     |                                                           |                                                          |
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| Microsemi HI-REL [MIL] 5962-9958501QYC | Microsemi Power Management Group 5962-9958501QYC    | Microsemi Power Products Group 5962-9958501QYC            | Microsemi SoC 5962-9958501QYC                            |
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