

A54SX32A-2TQ144I



Part Number: [A54SX32A-2TQ144I](#)

Manufacturer: [Microsemi](#)

Description: IC FPGA 113 I/O 144TQFP

Data sheet:  [SX-A Family FPGAs Datasheet](#)

RoHs Status: Contains lead / RoHS non-compliant

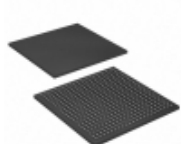
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                               |                                           |                                |                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|---------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                     | A54SX32A-2TQ144I                          | Manufacturer                   | <a href="#">Microsemi</a>                   |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                     | IC FPGA 113 I/O 144TQFP                   | Lead Free Status / RoHS Status | Contains lead / RoHS non-compliant          |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                              | 4576 pcs                                  | Data sheet                     | <a href="#">SX-A Family FPGAs Datasheet</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                        | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply               | 2.25 V ~ 5.25 V                             |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                         | 144-TQFP (20x20)                          | Series                         | SX-A                                        |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                  | 144-LQFP                                  | Operating Temperature          | -40°C ~ 85°C (TA)                           |
| Number of LABs/CLBs                                                                                                                                                                                                                                                                                                                                                                                                                             | 2880                                      | Number of I/O                  | 113                                         |
| Number of Gates                                                                                                                                                                                                                                                                                                                                                                                                                                 | 48000                                     | Mounting Type                  | Surface Mount                               |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                | 3 (168 Hours)                             | Lead Free Status / RoHS Status | Contains lead / RoHS non-compliant          |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                | A54SX32A                                  |                                |                                             |
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|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|------------------------------------------|----------------|
|  | Part#: <a href="#">A54SX32A-2PQ208I</a><br>Description: IC FPGA 174 I/O 208QFP   | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">A54SX32A-2TQ144</a><br>Description: IC FPGA 113 I/O 144TQFP   | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">A54SX32A-2TQ100</a><br>Description: IC FPGA 81 I/O 100TQFP    | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">A54SX32A-2TQG144I</a><br>Description: IC FPGA 113 I/O 144TQFP | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">A54SX32A-2TQG144</a><br>Description: IC FPGA 113 I/O 144TQFP  | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">A54SX32A-2TQG100I</a><br>Description: IC FPGA 81 I/O 100TQFP  | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">A54SX32A-2FGG484I</a><br>Description: IC FPGA 249 I/O 484FBGA | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">A54SX32A-2PQ208</a><br>Description: IC FPGA 174 I/O 208QFP    | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">A54SX32A-2PQG208</a><br>Description: IC FPGA 174 I/O 208QFP   | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">A54SX32A-2TQ100I</a><br>Description: IC FPGA 81 I/O 100TQFP   | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">A54SX32A-BG329</a><br>Description: IC FPGA 249 I/O 329BGA     | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">A54SX32A-2TQG176</a><br>Description: IC FPGA 147 I/O 176TQFP  | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">A54SX32A-2PQG208I</a><br>Description: IC FPGA 174 I/O 208QFP  | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">A54SX32A-2FGG484</a><br>Description: IC FPGA 249 I/O 484FBGA  | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">A54SX32A-BG329I</a><br>Description: IC FPGA 249 I/O 329BGA    | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">A54SX32A-2TQG176I</a><br>Description: IC FPGA 147 I/O 176TQFP | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">A54SX32A-2FGG256I</a><br>Description: IC FPGA 203 I/O 256FBGA | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">A54SX32A-2TQ176</a><br>Description: IC FPGA 147 I/O 176TQFP   | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">A54SX32A-2TQG100</a><br>Description: IC FPGA 81 I/O 100TQFP   | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">A54SX32A-2TQ176I</a><br>Description: IC FPGA 147 I/O 176TQFP  | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |

Related keywords for **A54SX32A-2TQ144I**

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| Microsemi HI-REL [MIL] A54SX32A-2TQ144I | Microsemi Power Management Group A54SX32A-2TQ144I    | Microsemi Power Products Group A54SX32A-2TQ144I            | Microsemi SoC A54SX32A-2TQ144I                            |
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