

M2S150T-FC1152I



Part Number: [M2S150T-FC1152I](#)

Manufacturer: [Microsemi](#)

Description: IC FPGA SOC 150K LUTS 1152FCBGA

Data sheet:  [SmartFusion2 Product Brief](#)  
 [IGL002 FPGA,SmartFusion2 Datasheet](#)

RoHs Status: Contains lead / RoHS non-compliant

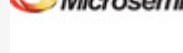
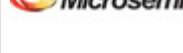
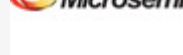
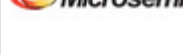
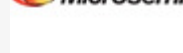
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Images are for reference only.  
See Product Specifications for product details.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                      |                                  |                                                                                                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------|--------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                   | M2S150T-FC1152I                                                                                                      | Manufacturer                     | <a href="#">Microsemi</a>                                                                        |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                   | IC FPGA SOC 150K LUTS 1152FCBGA                                                                                      | Lead Free Status / RoHS Status   | Contains lead / RoHS non-compliant                                                               |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                            | 300 pcs                                                                                                              | Data sheet                       | <a href="#">SmartFusion2 Product Brief</a><br><a href="#">IGL002 FPGA,SmartFusion2 Datasheet</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                      | <a href="#">Integrated Circuits (ICs)</a>                                                                            | Supplier Device Package          | <a href="#">Datasheet</a><br>1152-FCBGA (35x35)                                                  |
| Speed                                                                                                                                                                                                                                                                                                                                                                                                                                         | 166MHz                                                                                                               | Series                           | SmartFusion@2                                                                                    |
| RAM Size                                                                                                                                                                                                                                                                                                                                                                                                                                      | 64KB                                                                                                                 | Primary Attributes               | FPGA - 150K Logic Modules                                                                        |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                   | DDR, PCIe, SERDES                                                                                                    | Packaging                        | Tray                                                                                             |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                | 1152-BBGA, FCBGA                                                                                                     | Operating Temperature            | -40°C ~ 100°C (TJ)                                                                               |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                 | 574                                                                                                                  | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                                    |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                | Contains lead / RoHS non-compliant                                                                                   | Flash Size                       | 512KB                                                                                            |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                          | ARM® Cortex®-M3 System On Chip (SOC) IC SmartFusion@2 FPGA - 150K Logic Modules 512KB 64KB 166MHz 1152-FCBGA (35x35) |                                  |                                                                                                  |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                  | CANbus, Ethernet, I²C, SPI, UART/USART, USB                                                                          | Core Processor                   | ARM® Cortex®-M3                                                                                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                      | Architecture                     | MCU, FPGA                                                                                        |
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| RELATED PRODUCTS                                                                   |                                                                                          |                                          |                |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------|----------------|
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|  | Part#: <a href="#">M2S150T-1FCV484</a><br>Description: IC FPGA SOC 150K LUTS             | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">M2S150T-1FCSG536I</a><br>Description: IC FPGA SOC 150K LUTS           | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">M2S150T-FCVG484I</a><br>Description: IC FPGA SOC 150K LUTS            | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |

Related keywords for **M2S150T-FC1152I**

|                                        |                                                     |                                                           |                                                          |
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| Microsemi M2S150T-FC1152I              | M2S150T-FC1152I distributor                         | M2S150T-FC1152I supplier                                  | M2S150T-FC1152I price                                    |
| M2S150T-FC1152I download datasheet     | M2S150T-FC1152I datasheet                           | M2S150T-FC1152I stock                                     | buy M2S150T-FC1152I                                      |
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