

M2S100T-1FC1152I



Part Number: [M2S100T-1FC1152I](#)

Manufacturer: [Microsemi](#)

Description: IC FPGA SOC 100K LUTS 1152FCBGA

Data sheet:  [SmartFusion2 Pin Descriptions](#)  
 [SmartFusion2 Datasheet](#)

RoHs Status: Contains lead / RoHS non-compliant

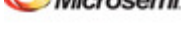
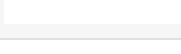
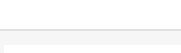
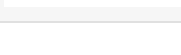
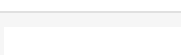
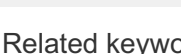
Ship From: Hong Kong

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

Images are for reference only.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                      |                                  |                                                                                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------|-----------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                     | M2S100T-1FC1152I                                                                                                     | Manufacturer                     | <a href="#">Microsemi</a>                                                               |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                     | IC FPGA SOC 100K LUTS 1152FCBGA                                                                                      | Lead Free Status / RoHS Status   | Contains lead / RoHS non-compliant                                                      |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                              | 5815 pcs                                                                                                             | Data sheet                       | <a href="#">SmartFusion2 Pin Descriptions</a><br><a href="#">SmartFusion2 Datasheet</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                        | <a href="#">Integrated Circuits (ICs)</a>                                                                            | Supplier Device Package          | 1152-FCBGA (35x35)                                                                      |
| Speed                                                                                                                                                                                                                                                                                                                                                                                                                                           | 166MHz                                                                                                               | Series                           | SmartFusion®2                                                                           |
| RAM Size                                                                                                                                                                                                                                                                                                                                                                                                                                        | 64KB                                                                                                                 | Primary Attributes               | FPGA - 100K 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 - 100K Logic Modules 512KB 64KB 166MHz 1152-FCBGA (35x35) | Core Processor                   | ARM® Cortex®-M3                                                                         |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                    | CANbus, Ethernet, I²C, SPI, UART/USART, USB                                                                          | Base Part Number                 | M2S100T                                                                                 |
| Architecture                                                                                                                                                                                                                                                                                                                                                                                                                                    | MCU, FPGA                                                                                                            |                                  |                                                                                         |
| Component-World.com is a Reliable Stocking Distributor of Electronic Components. We specialize in all Microsemi series electronic components. We have 5815 pieces of Microsemi M2S100T-1FC1152I in stock available now. Request a quote from electronics components distributor at Component-World.com, our sales team will contact you within 24 hours.<br>RFQ Email: <a href="mailto:info@Components-World.com">info@Components-World.com</a> |                                                                                                                      |                                  |                                                                                         |

| RELATED PRODUCTS                                                                   |                                                                                           |                                          |                |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------|----------------|
|  | Part#: <a href="#">M2S100-FC1152</a><br>Description: IC FPGA SOC 100K LUTS 1152FCBGA      | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">M2S100-1FCG1152I</a><br>Description: IC FPGA SOC 100K LUTS 1152FCBGA   | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">M2S150-1FC1152</a><br>Description: IC FPGA SOC 150K LUTS 1152FCBGA     | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">M2S100S-1FCG1152I</a><br>Description: IC FPGA SOC 100K LUTS 1152FCBGA  | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">M2S100T-1FCG1152I</a><br>Description: IC FPGA SOC 100K LUTS 1152FCBGA  | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">M2S090TS-FGG676I</a><br>Description: IC FPGA SOC 90K LUTS              | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">M2S150-1FC1152I</a><br>Description: IC FPGA SOC 150K LUTS 1152FCBGA    | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">M2S100TS-1FCG1152I</a><br>Description: IC FPGA SOC 100K LUTS 1152FCBGA | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">M2S100T-FCG1152</a><br>Description: IC FPGA SOC 100K LUTS 1152FCBGA    | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">M2S100-1FC1152</a><br>Description: IC FPGA SOC 100K LUTS 1152FCBGA     | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
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|----------------------------------------------|------------------------------------------------------|-------------------------------------------------|------------------------------------------|
| Related keywords for <b>M2S100T-1FC1152I</b> |                                                      |                                                 |                                          |
| Microsemi M2S100T-1FC1152I                   | M2S100T-1FC1152I distributor                         | M2S100T-1FC1152I supplier                       | M2S100T-1FC1152I price                   |
| M2S100T-1FC1152I download datasheet          | M2S100T-1FC1152I datasheet                           | M2S100T-1FC1152I stock                          | buy M2S100T-1FC1152I                     |
| Microsemi M2S100T-1FC1152I                   | Microsemi Analog Mixed Signal Group M2S100T-1FC1152I | Microsemi Analog Mixed Signal Group [MIL]       | Microsemi Consumer Medical Product Group |
| Microsemi HI-REL [MIL] M2S100T-1FC1152I      | Microsemi Power Management Group M2S100T-1FC1152I    | Microsemi Power Products Group M2S100T-1FC1152I | Microsemi SoC M2S100T-1FC1152I           |
|                                              |                                                      |                                                 | Microsemi Commercial Components Group    |
|                                              |                                                      |                                                 | M2S100T-1FC1152I                         |
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