

M2S150-FCG1152I



Part Number: [M2S150-FCG1152I](#)

Manufacturer: [Microsemi](#)

Description: IC FPGA SOC 150K LUTS 1152FCBGA

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

RoHs Status: Lead free / RoHS Compliant

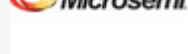
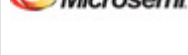
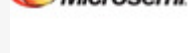
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                             |                                           |                                  |                                                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|----------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                   | M2S150-FCG1152I                           | Manufacturer                     | <a href="#">Microsemi</a>                                                                                            |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                   | IC FPGA SOC 150K LUTS 1152FCBGA           | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                           |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                            | 314 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          | 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)                                                                                                        |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                               | 12 Weeks                                  | Lead Free Status / RoHS Status   | Lead free / RoHS 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) |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                | ARM® Cortex®-M3                           | Connectivity                     | CANbus, Ethernet, I²C, SPI, UART/USART, USB                                                                          |
| Architecture                                                                                                                                                                                                                                                                                                                                                                                                                                  | MCU, FPGA                                 |                                  |                                                                                                                      |
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| RELATED PRODUCTS                                                                   |                                                                                          |                                          |                |
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|  | Part#: <a href="#">M2S150-1FCVG484</a><br>Description: IC FPGA SOC 150K LUTS             | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
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| Related keywords for <b>M2S150-FCG1152I</b> |                                                     |                                                |                                          |
| Microsemi M2S150-FCG1152I                   | M2S150-FCG1152I distributor                         | M2S150-FCG1152I supplier                       | M2S150-FCG1152I price                    |
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