

M2S010-1FGG484



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See Product Specifications for product details.  
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**Part Number:** [M2S010-1FGG484](#)

**Manufacturer:** [Microsemi](#)

**Description:** IC FPGA SOC 10K LUTS 484FBGA

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

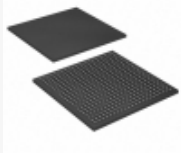
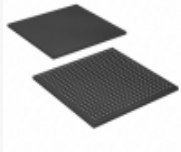
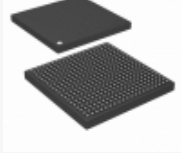
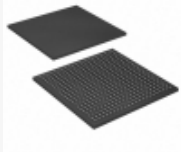
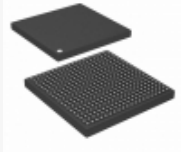
**RoHs Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

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

Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                    |                                  |                                                                                                                                                                                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                    | M2S010-1FGG484                                                                                                     | Manufacturer                     | <a href="#">Microsemi</a>                                                                                                                                                                   |
| Description                                                                                                                                                                                                                                                                                                                                                                                    | IC FPGA SOC 10K LUTS 484FBGA                                                                                       | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                                                  |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                             | 2097 pcs                                                                                                           | Data sheet                       | <a href="#">SmartFusion2 Pin Descriptions</a><br><a href="#">SmartFusion2 Product Brief</a><br><a href="#">IGL002 FPGA,SmartFusion2 Datasheet</a><br><a href="#">SmartFusion2 Datasheet</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                       | <a href="#">Integrated Circuits (ICs)</a>                                                                          | Supplier Device Package          | 484-FPBGA (23x23)                                                                                                                                                                           |
| Speed                                                                                                                                                                                                                                                                                                                                                                                          | 166MHz                                                                                                             | Series                           | SmartFusion@2                                                                                                                                                                               |
| RAM Size                                                                                                                                                                                                                                                                                                                                                                                       | 64KB                                                                                                               | Primary Attributes               | FPGA - 10K Logic Modules                                                                                                                                                                    |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                    | DDR, PCIe, SERDES                                                                                                  | Packaging                        | Tray                                                                                                                                                                                        |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                 | 484-BGA                                                                                                            | Operating Temperature            | 0°C ~ 85°C (TJ)                                                                                                                                                                             |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                  | 233                                                                                                                | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                                                                                                                               |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                 | Lead free / RoHS Compliant                                                                                         | Flash Size                       | 256KB                                                                                                                                                                                       |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                           | ARM® Cortex®-M3 System On Chip (SOC) IC SmartFusion@2 FPGA - 10K Logic Modules 256KB 64KB 166MHz 484-FPBGA (23x23) | Core Processor                   | ARM® Cortex®-M3                                                                                                                                                                             |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                   | CANbus, Ethernet, I²C, SPI, UART/USART, USB                                                                        | Base Part Number                 | M2S010                                                                                                                                                                                      |
| Architecture                                                                                                                                                                                                                                                                                                                                                                                   | MCU, FPGA                                                                                                          |                                  |                                                                                                                                                                                             |
| Component-World.com is a Reliable Stocking Distributor of Electronic Components. We specialize in all Microsemi series electronic components. We have 2097 pieces of Microsemi M2S010-1FGG484 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: info@Components-World.com |                                                                                                                    |                                  |                                                                                                                                                                                             |

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|  | Part#: <a href="#">M2S010-1FG484</a><br>Description: IC FPGA SOC 10K LUTS 484FBGA   | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">M2S005S-VF400I</a><br>Description: IC FPGA SOC 5K LUTS           | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">M2S010-1VFG256</a><br>Description: IC FPGA SOC 10K LUTS          | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">M2S005S-VFG256I</a><br>Description: IC FPGA SOC 5K LUTS          | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">M2S010-1FG484I</a><br>Description: IC FPGA SOC 10K LUTS 484FBGA  | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
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Related keywords for M2S010-1FGG484

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|                                       |                                                    |                                                          | Microsemi Commercial Components Group M2S010-1FGG484    |
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