

M2S010-FGG484I



Part Number: [M2S010-FGG484I](#)

Manufacturer: [Microsemi](#)

Description: IC FPGA SOC 10K LUT 484FBGA

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

RoHs Status: Lead free / RoHS Compliant

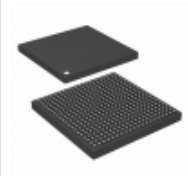
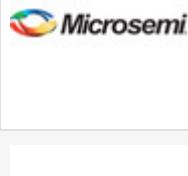
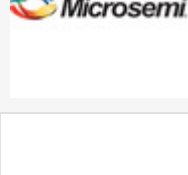
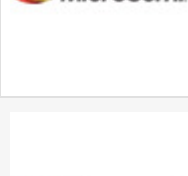
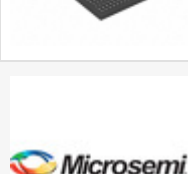
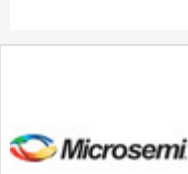
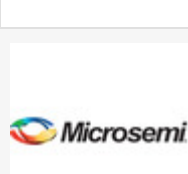
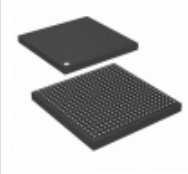
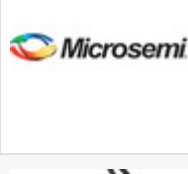
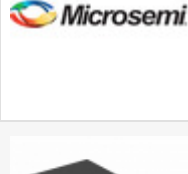
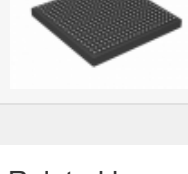
Ship From: Hong Kong

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

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

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                    |                                 |                                                                                                                                                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                   | M2S010-FGG484I                                                                                                     | Manufacturer                    | <a href="#">Microsemi</a>                                                                                                                         |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                   | IC FPGA SOC 10K LUT 484FBGA                                                                                        | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                                                                                                        |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                            | 1792 pcs                                                                                                           | Data sheet                      | <a href="#">SmartFusion2 Pin Descriptions</a><br><a href="#">IGL002 FPGA,SmartFusion2 Datasheet</a><br><a href="#">SmartFusion2 Product Brief</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                                                                                                            | Other Names                     | 1100-1192                                                                                                                                         |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                         | -40°C ~ 100°C (TJ)                                                                                                 | Number of I/O                   | 233                                                                                                                                               |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                              | 3 (168 Hours)                                                                                                      | Manufacturer Standard Lead Time | 8 Weeks                                                                                                                                           |
| 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                                                                        | Architecture                    | MCU, FPGA                                                                                                                                         |
| Component-World.com is a Reliable Stocking Distributor of Electronic Components. We specialize in all Microsemi series electronic components. We have 1792 pieces of Microsemi M2S010-FGG484I 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="#">M2S010-1VF400I</a><br>Description: IC FPGA SOC 10K LUTS 400VFBGA  | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">M2S010-VF400</a><br>Description: IC FPGA SOC 10K LUTS 400VFBGA    | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">M2S010-TQ144I</a><br>Description: IC FPGA SOC 10K LUTS            | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">M2S010-FGG484</a><br>Description: IC FPGA SOC 10K LUTS 484FBGA    | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">M2S010-VF256</a><br>Description: IC FPGA SOC 10K LUTS             | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">M2S010-TQ144</a><br>Description: IC FPGA SOC 10K LUTS             | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">M2S010-VF400I</a><br>Description: IC FPGA SOC 10K LUTS 400VFBGA   | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">M2S010-VFG256</a><br>Description: IC FPGA SOC 10K LUTS            | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">M2S010-FG484</a><br>Description: IC FPGA SOC 10K LUTS 484FBGA     | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">M2S010-1VFG256</a><br>Description: IC FPGA SOC 10K LUTS           | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">M2S010-1VF256I</a><br>Description: IC FPGA SOC 10K LUTS           | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">M2S010-VF256I</a><br>Description: IC FPGA SOC 10K LUTS            | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">M2S010-1VFG400</a><br>Description: IC FPGA SOC 10K LUTS 400VFBGA  | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">M2S010-TQG144I</a><br>Description: IC FPGA SOC 10K LUTS           | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">M2S010-1VFG400I</a><br>Description: IC FPGA SOC 10K LUTS 400VFBGA | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">M2S010-1VFG256I</a><br>Description: IC FPGA SOC 10K LUTS          | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">M2S010-FG484I</a><br>Description: IC FPGA SOC 10K LUTS            | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">M2S010-MKR-KIT</a><br>Description: SMARTFUSION2 MAKER-BOARD       | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">M2S010-TQG144</a><br>Description: IC FPGA SOC 10K LUTS            | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">M2S010-1VF400</a><br>Description: IC FPGA SOC 10K LUTS 400VFBGA   | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |

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|--------------------------------------------|----------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|
| Related keywords for <b>M2S010-FGG484I</b> |                                                    |                                                          |                                                         |
| Microsemi M2S010-FGG484I                   | M2S010-FGG484I distributor                         | M2S010-FGG484I supplier                                  | M2S010-FGG484I price                                    |
| M2S010-FGG484I download datasheet          | M2S010-FGG484I datasheet                           | M2S010-FGG484I stock                                     | buy M2S010-FGG484I                                      |
| Microsemi M2S010-FGG484I                   | Microsemi Analog Mixed Signal Group M2S010-FGG484I | Microsemi Analog Mixed Signal Group [MIL] M2S010-FGG484I | Microsemi Consumer Medical Product Group M2S010-FGG484I |
| Microsemi HI-REL [MIL] M2S010-FGG484I      | Microsemi Power Management Group M2S010-FGG484I    | Microsemi Power Products Group M2S010-FGG484I            | Microsemi SoC M2S010-FGG484I                            |
|                                            |                                                    | Microsemi Commercial Components Group M2S010-FGG484I     | Microsemi Corporation M2S010-FGG484I                    |
|                                            |                                                    |                                                          | Microsemi Solutions Sdn Bhd. M2S010-FGG484I             |

