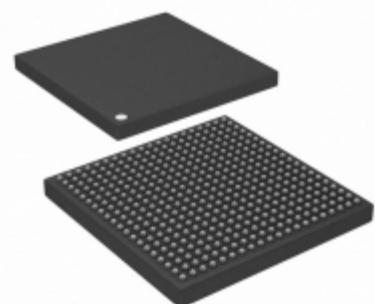


M2S010T-1VFG400





Part Number: [M2S010T-1VFG400](#)

Manufacturer: [Microsemi](#)

Description: IC FPGA SOC 10K LUTS 400VFBGA

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

RoHs Status: Lead free / RoHS Compliant

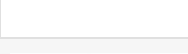
Ship From: Hong Kong

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                                                                                                                                                                                                                                                                                                                                                                                                                                    | M2S010T-1VFG400                                                                                                    | Manufacturer                     | <a href="#">Microsemi</a>                                                               |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                    | IC FPGA SOC 10K LUTS 400VFBGA                                                                                      | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                              |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                             | 2548 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          | 400-VFBGA (17x17)                                                                       |
| Speed                                                                                                                                                                                                                                                                                                                                                                                                                                          | 166MHz                                                                                                             | Series                           | SmartFusion®2                                                                           |
| RAM Size                                                                                                                                                                                                                                                                                                                                                                                                                                       | 64KB                                                                                                               | Primary Attributes               | FPGA - 10K Logic Modules                                                                |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                    | DDR, PCIe, SERDES                                                                                                  | Packaging                        | Tray                                                                                    |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                 | 400-LFBGA                                                                                                          | Operating Temperature            | 0°C ~ 85°C (TJ)                                                                         |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                  | 195                                                                                                                | 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 400-VFBGA (17x17) | Core Processor                   | ARM® Cortex®-M3                                                                         |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                   | CANbus, Ethernet, I²C, SPI, UART/USART, USB                                                                        | Base Part Number                 | M2S010T                                                                                 |
| Architecture                                                                                                                                                                                                                                                                                                                                                                                                                                   | MCU, FPGA                                                                                                          |                                  |                                                                                         |
| Component-World.com is a Reliable Stocking Distributor of Electronic Components. We specialize in all Microsemi series electronic components. We have 2548 pieces of Microsemi M2S010T-1VFG400 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="#">M2S010T-1VFG256I</a><br>Description: IC FPGA SOC 10K LUTS          | Manufacturers: <a href="#">Microsemi</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">M2S010T-FG484I</a><br>Description: IC FPGA SOC 10K LUTS 484FBGA    | Manufacturers: <a href="#">Microsemi</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">M2S010T-1VF256</a><br>Description: IC FPGA SOC 10K LUTS            | Manufacturers: <a href="#">Microsemi</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">M2S010T-1FGG484M</a><br>Description: IC FPGA SOC 10K LUTS          | Manufacturers: <a href="#">Microsemi</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">M2S010T-FGG484I</a><br>Description: IC FPGA SOC 10K LUT 484FBGA    | Manufacturers: <a href="#">Microsemi</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">M2S010T-1FGG484I</a><br>Description: IC FPGA SOC 10K LUTS 484FBGA  | Manufacturers: <a href="#">Microsemi</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">M2S010T-1FGG484M</a><br>Description: IC FPGA SOC 10K LUTS          | Manufacturers: <a href="#">Microsemi</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">M2S010T-FG484</a><br>Description: IC FPGA SOC 10K LUTS 484FBGA     | Manufacturers: <a href="#">Microsemi</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">M2S010T-FGG484</a><br>Description: IC FPGA SOC 10K LUTS 484FBGA    | Manufacturers: <a href="#">Microsemi</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">M2S010T-1VFG400I</a><br>Description: IC FPGA SOC 10K LUTS 400VFBGA | Manufacturers: <a href="#">Microsemi</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">M2S010T-VF400I</a><br>Description: IC FPGA SOC 10K LUTS 400VFBGA   | Manufacturers: <a href="#">Microsemi</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">M2S010T-VF400</a><br>Description: IC FPGA SOC 10K LUTS 400VFBGA    | Manufacturers: <a href="#">Microsemi</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">M2S010T-VFG256</a><br>Description: IC FPGA SOC 10K LUTS            | Manufacturers: <a href="#">Microsemi</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">M2S010T-1VF400I</a><br>Description: IC FPGA SOC 10K LUTS 400VFBGA  | Manufacturers: <a href="#">Microsemi</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">M2S010T-1FGG484</a><br>Description: IC FPGA SOC 10K LUTS 484FBGA   | Manufacturers: <a href="#">Microsemi</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">M2S010T-VF256</a><br>Description: IC FPGA SOC 10K LUTS             | Manufacturers: <a href="#">Microsemi</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">M2S010T-VF256I</a><br>Description: IC FPGA SOC 10K LUTS            | Manufacturers: <a href="#">Microsemi</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">M2S010T-1VFG256</a><br>Description: IC FPGA SOC 10K LUTS           | Manufacturers: <a href="#">Microsemi</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">M2S010T-1VF400</a><br>Description: IC FPGA SOC 10K LUTS 400VFBGA   | Manufacturers: <a href="#">Microsemi</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">M2S010T-1VF256I</a><br>Description: IC FPGA SOC 10K LUTS           | Manufacturers: <a href="#">Microsemi</a> | <a href="#">RFQ</a> |

|                                             |                                                     |                                                           |                                                          |
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