

M2S025-FCS325I



Part Number: [M2S025-FCS325I](#)

Manufacturer: [Microsemi](#)

Description: IC FPGA SOC 25K LUTS

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

RoHs Status: Contains lead / RoHS non-compliant

Ship From: Hong Kong

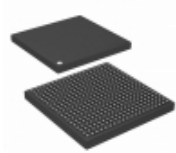
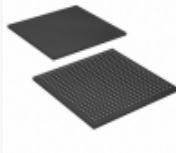
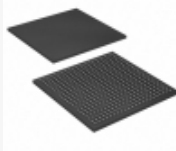
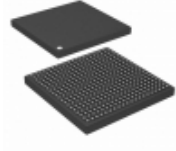
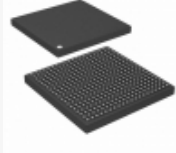
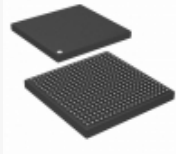
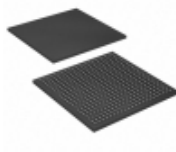
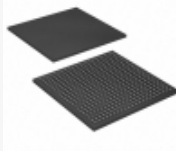
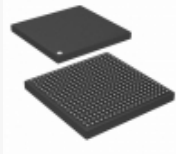
Shipment Way: DHL/Fedex/TNT/UPS/EMS

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

| PRODUCT PARAMETER               |                                           |                                  |                                                                                                                  |
|---------------------------------|-------------------------------------------|----------------------------------|------------------------------------------------------------------------------------------------------------------|
| Part Number                     | M2S025-FCS325I                            | Manufacturer                     | <a href="#">Microsemi</a>                                                                                        |
| Description                     | IC FPGA SOC 25K LUTS                      | Lead Free Status / RoHS Status   | Contains lead / RoHS non-compliant                                                                               |
| Quantity Available              | 1741 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          | 325-BGA (11x11)                                                                                                  |
| Speed                           | 166MHz                                    | Series                           | SmartFusion@2                                                                                                    |
| RAM Size                        | 64KB                                      | Primary Attributes               | FPGA - 25K Logic Modules                                                                                         |
| Peripherals                     | DDR, PCIe, SERDES                         | Packaging                        | Tray                                                                                                             |
| Package / Case                  | 325-TFBGA                                 | Operating Temperature            | -40°C ~ 100°C (TJ)                                                                                               |
| Number of I/O                   | 180                                       | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                                                    |
| Manufacturer Standard Lead Time | 8 Weeks                                   | Lead Free Status / RoHS Status   | Contains lead / RoHS non-compliant                                                                               |
| Flash Size                      | 256KB                                     | Detailed Description             | ARM® Cortex®-M3 System On Chip (SOC) IC SmartFusion@2 FPGA - 25K Logic Modules 256KB 64KB 166MHz 325-BGA (11x11) |
| Core Processor                  | ARM® Cortex®-M3                           | Connectivity                     | CANbus, Ethernet, I²C, SPI, UART/USART, USB                                                                      |
| Architecture                    | MCU, FPGA                                 |                                  |                                                                                                                  |

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|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|------------------------------------------|---------------------|
|  | Part#: <a href="#">M2S025-1VF400I</a><br>Description: IC FPGA SOC 25K LUTS 400VFBGA  | Manufacturers: <a href="#">Microsemi</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">M2S025-FGG484</a><br>Description: IC FPGA SOC 25K LUTS 484FBGA    | Manufacturers: <a href="#">Microsemi</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">M2S025-FCSG325I</a><br>Description: IC FPGA SOC 25K LUTS          | Manufacturers: <a href="#">Microsemi</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">M2S025-1VFG400I</a><br>Description: IC FPGA SOC 25K LUTS 400VFBGA | Manufacturers: <a href="#">Microsemi</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">M2S025-FGG484I</a><br>Description: IC FPGA SOC 25K LUT 484FBGA    | Manufacturers: <a href="#">Microsemi</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">M2S025-FCS325</a><br>Description: IC FPGA SOC 25K LUTS            | Manufacturers: <a href="#">Microsemi</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">M2S025-1FGG484I</a><br>Description: IC FPGA SOC 25K LUTS 484FBGA  | Manufacturers: <a href="#">Microsemi</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">M2S025-1VFG400</a><br>Description: IC FPGA SOC 25K LUTS 400VFBGA  | Manufacturers: <a href="#">Microsemi</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">M2S025-VF400I</a><br>Description: IC FPGA SOC 25K LUTS 400VFBGA   | Manufacturers: <a href="#">Microsemi</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">M2S025-VF256I</a><br>Description: IC FPGA SOC 25K LUTS 256VF      | Manufacturers: <a href="#">Microsemi</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">M2S025-1VFG256I</a><br>Description: IC FPGA SOC 25K LUTS          | Manufacturers: <a href="#">Microsemi</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">M2S025-1VF256I</a><br>Description: IC FPGA SOC 25K LUTS           | Manufacturers: <a href="#">Microsemi</a> | <a href="#">RFQ</a> |

| Related keywords for M2S025-FCS325I   |                                                    |                                               |                                             |
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