



Microsemi



Image may be representation. See specifications for product details.

M2S010-VF256I

|                     |                                                                                                                                                                                                                                        |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | M2S010-VF256I                                                                                                                                                                                                                          |
| Manufacturer/Brand: | Microsemi                                                                                                                                                                                                                              |
| Product description | IC FPGA SOC 10K LUTS<br> 1.M2S010-VF256I.pdf<br> 2.M2S010-VF256I.pdf |
| Datasheets:         |                                                                                                                                                                                                                                        |
| RoHs Status         |  Contains lead / RoHS non-compliant                                                                                                                   |
| Ship From           | Hong Kong                                                                                                                                                                                                                              |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                                                                                                                                  |

REQUEST FOR QUOTATION

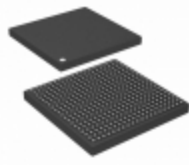
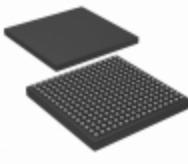
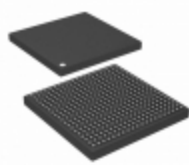
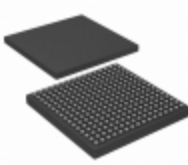
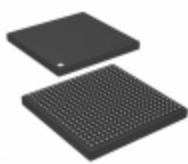
Specifications of M2S010-VF256I

|                                  |                                                                                                                                                                                                                    |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | M2S010-VF256I                                                                                                                                                                                                      |
| MANUFACTURER                     | Microsemi                                                                                                                                                                                                          |
| DESCRIPTION                      | IC FPGA SOC 10K LUTS                                                                                                                                                                                               |
| LEAD FREE STATUS / ROHS STATUS   | Contains lead / RoHS non-compliant                                                                                                                                                                                 |
| DATA SHEET                       |  1.M2S010-VF256I.pdf<br> 2.M2S010-VF256I.pdf |
| SUPPLIER DEVICE PACKAGE          | 256-BGA (17x17)                                                                                                                                                                                                    |
| SPEED                            | 166MHz                                                                                                                                                                                                             |
| SERIES                           | SmartFusion®2                                                                                                                                                                                                      |
| RAM SIZE                         | 64KB                                                                                                                                                                                                               |
| PRIMARY ATTRIBUTES               | FPGA - 10K Logic Modules                                                                                                                                                                                           |
| PERIPHERALS                      | DDR, PCIe, SERDES                                                                                                                                                                                                  |
| PACKAGING                        | Tray                                                                                                                                                                                                               |
| PACKAGE / CASE                   | 256-VFBGA                                                                                                                                                                                                          |
| OPERATING TEMPERATURE            | -40°C ~ 100°C (TJ)                                                                                                                                                                                                 |
| NUMBER OF I/O                    | 138                                                                                                                                                                                                                |
| 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 - 10K Logic Modules 256KB 64KB 166MHz 256-BGA (17x17)                                                                                                   |
| CORE PROCESSOR                   | ARM® Cortex®-M3                                                                                                                                                                                                    |
| CONNECTIVITY                     | CANbus, Ethernet, I²C, SPI, UART/USART, USB                                                                                                                                                                        |
| ARCHITECTURE                     | MCU, FPGA                                                                                                                                                                                                          |

Related Tags

|                                                        |                                                   |                                                         |
|--------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------|
| Microsemi M2S010-VF256I                                | M2S010-VF256I Distributor                         | M2S010-VF256I Supplier                                  |
| M2S010-VF256I Price                                    | M2S010-VF256I Pictures                            | M2S010-VF256I Image                                     |
| M2S010-VF256I PDF Datasheet                            | M2S010-VF256I Download Datasheet                  | M2S010-VF256I Datasheet                                 |
| M2S010-VF256I Stock                                    | Buy M2S010-VF256I                                 | Buy Microsemi M2S010-VF256I                             |
| Microsemi M2S010-VF256I                                | Microsemi Supplier                                | Microsemi Distributor                                   |
| Microsemi M2S010-VF256I                                | Microsemi Analog Mixed Signal Group M2S010-VF256I | Microsemi Analog Mixed Signal Group [MIL] M2S010-VF256I |
| Microsemi Consumer Medical Product Group M2S010-VF256I | Microsemi HI-REL [MIL] M2S010-VF256I              | Microsemi Power Management Group M2S010-VF256I          |
| Microsemi Power Products Group M2S010-VF256I           | Microsemi SoC M2S010-VF256I                       | Microsemi Commercial Components Group M2S010-VF256I     |
| Microsemi Corporation M2S010-VF256I                    | Microsemi Solutions Sdn Bhd. M2S010-VF256I        |                                                         |

Related Products

|                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>M2S010-VF400</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 10K LUTS 400VFBGA<br/>In stock: Out stock<br/><div>RFQ</div></div>  |  <div><b>M2S010-TQ144</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 10K LUTS<br/>In stock: Out stock<br/><div>RFQ</div></div>           |
|  <div><b>M2S010-TQG144I</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 10K LUTS<br/>In stock: Out stock<br/><div>RFQ</div></div>         |  <div><b>M2S010-VFG256I</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 10K LUTS<br/>In stock: Out stock<br/><div>RFQ</div></div>         |
|  <div><b>M2S010-VF400I</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 10K LUTS 400VFBGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>M2S010-VF256</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 10K LUTS<br/>In stock: Out stock<br/><div>RFQ</div></div>           |
|  <div><b>M2S010-VFG400I</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 10K LUT 400VFBGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>M2S010-VFG256</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 10K LUTS<br/>In stock: Out stock<br/><div>RFQ</div></div>          |
|  <div><b>M2S010-MKR-KIT</b><br/>Manufacturers: Microsemi<br/>Description: SMARTFUSION2 MAKER-BOARD<br/>In stock: Out stock<br/><div>RFQ</div></div>     |  <div><b>M2S010-TQ144I</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 10K LUTS<br/>In stock: Out stock<br/><div>RFQ</div></div>          |
|  <div><b>M2S010-TQG144</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 10K LUTS<br/>In stock: Out stock<br/><div>RFQ</div></div>          |  <div><b>M2S010-VFG400</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 10K LUTS 400VFBGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |