



Microsemi



M2S025-1VF256

|                     |                                                                                                                      |
|---------------------|----------------------------------------------------------------------------------------------------------------------|
| Part Number:        | M2S025-1VF256                                                                                                        |
| Manufacturer/Brand: | Microsemi                                                                                                            |
| Product description | IC FPGA SOC 25K LUTS                                                                                                 |
|                     |  1.M2S025-1VF256.pdf                |
|                     |  2.M2S025-1VF256.pdf                |
| Datasheets:         |                                                                                                                      |
| RoHs Status         |  Contains lead / RoHS non-compliant |
| Stock Condition     | 1543 pcs stock                                                                                                       |
| Ship From           | Hong Kong                                                                                                            |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                |

REQUEST FOR QUOTATION

Specifications of M2S025-1VF256

|                                  |                                                                                                                                                                                                                    |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | M2S025-1VF256                                                                                                                                                                                                      |
| MANUFACTURER                     | Microsemi                                                                                                                                                                                                          |
| DESCRIPTION                      | IC FPGA SOC 25K LUTS                                                                                                                                                                                               |
| LEAD FREE STATUS / ROHS STATUS   | Contains lead / RoHS non-compliant                                                                                                                                                                                 |
| QUANTITY AVAILABLE               | 1543 pcs                                                                                                                                                                                                           |
| DATA SHEET                       |  1.M2S025-1VF256.pdf<br> 2.M2S025-1VF256.pdf |
| SUPPLIER DEVICE PACKAGE          | 256-BGA (17x17)                                                                                                                                                                                                    |
| SPEED                            | 166MHz                                                                                                                                                                                                             |
| SERIES                           | SmartFusion®2                                                                                                                                                                                                      |
| RAM SIZE                         | 64KB                                                                                                                                                                                                               |
| PRIMARY ATTRIBUTES               | FPGA - 25K Logic Modules                                                                                                                                                                                           |
| PERIPHERALS                      | DDR, PCIe, SERDES                                                                                                                                                                                                  |
| PACKAGING                        | Tray                                                                                                                                                                                                               |
| PACKAGE / CASE                   | 256-VFBGA                                                                                                                                                                                                          |
| OPERATING TEMPERATURE            | 0°C ~ 85°C (TJ)                                                                                                                                                                                                    |
| NUMBER OF I/O                    | 138                                                                                                                                                                                                                |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                      |
| 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 256-BGA (17x17)                                                                                                   |
| CORE PROCESSOR                   | ARM® Cortex®-M3                                                                                                                                                                                                    |
| CONNECTIVITY                     | CANbus, Ethernet, I²C, SPI, UART/USART, USB                                                                                                                                                                        |
| ARCHITECTURE                     | MCU, FPGA                                                                                                                                                                                                          |

Related Tags

|                                                        |                                                   |                                                         |
|--------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------|
| Microsemi M2S025-1VF256                                | M2S025-1VF256 Distributor                         | M2S025-1VF256 Supplier                                  |
| M2S025-1VF256 Price                                    | M2S025-1VF256 Pictures                            | M2S025-1VF256 Image                                     |
| M2S025-1VF256 PDF Datasheet                            | M2S025-1VF256 Download Datasheet                  | M2S025-1VF256 Datasheet                                 |
| M2S025-1VF256 Stock                                    | Buy M2S025-1VF256                                 | Buy Microsemi M2S025-1VF256                             |
| Microsemi M2S025-1VF256                                | Microsemi Supplier                                | Microsemi Distributor                                   |
| Microsemi M2S025-1VF256                                | Microsemi Analog Mixed Signal Group M2S025-1VF256 | Microsemi Analog Mixed Signal Group [MIL] M2S025-1VF256 |
| Microsemi Consumer Medical Product Group M2S025-1VF256 | Microsemi HI-REL [MIL] M2S025-1VF256              | Microsemi Power Management Group M2S025-1VF256          |
| Microsemi Power Products Group M2S025-1VF256           | Microsemi SoC M2S025-1VF256                       | Microsemi Commercial Components Group M2S025-1VF256     |
| Microsemi Corporation M2S025-1VF256                    | Microsemi Solutions Sdn Bhd. M2S025-1VF256        |                                                         |

Related Products

|                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>M2S025-1VFG256I</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 25K LUTS<br/>In stock: 1288 pcs</div> <div>RFQ</div>         |  <div><b>M2S025-1VFG256</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 25K LUTS<br/>In stock: 1298 pcs</div> <div>RFQ</div>         |
|  <div><b>M2S025-1VF400I</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 25K LUTS 400VFBGA<br/>In stock: 1220 pcs</div> <div>RFQ</div> |  <div><b>M2S025-1VF400</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 25K LUTS 400VFBGA<br/>In stock: 1408 pcs</div> <div>RFQ</div> |
|  <div><b>M2S025-1FGG484I</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 25K LUTS 484FBGA<br/>In stock: 1314 pcs</div> <div>RFQ</div> |  <div><b>M2S025-1FG484</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 25K LUTS 484FBGA<br/>In stock: 1094 pcs</div> <div>RFQ</div>  |
|  <div><b>M2S025-1FG484I</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 25K LUTS 484FBGA<br/>In stock: 1010 pcs</div> <div>RFQ</div>  |  <div><b>M2S025-1FGG484</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 25K LUTS 484FBGA<br/>In stock: 1342 pcs</div> <div>RFQ</div> |
|  <div><b>M2S025-1FCSG325</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 25K LUTS<br/>In stock: 1467 pcs</div> <div>RFQ</div>         |  <div><b>M2S025-1VF256I</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 25K LUTS<br/>In stock: 1293 pcs</div> <div>RFQ</div>         |
|  <div><b>M2S025-1VFG400</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 25K LUTS 400VFBGA<br/>In stock: 1256 pcs</div> <div>RFQ</div> |  <div><b>M2S025-1FCSG325I</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 25K LUTS<br/>In stock: 1523 pcs</div> <div>RFQ</div>       |