



Microsemi



M2S025TS-1VF256I

|                     |                                                                                                                                                                                                                                              |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | M2S025TS-1VF256I                                                                                                                                                                                                                             |
| Manufacturer/Brand: | Microsemi                                                                                                                                                                                                                                    |
| Product description | IC FPGA SOC 25K LUTS<br> 1.M2S025TS-1VF256I.pdf<br> 2.M2S025TS-1VF256I.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 M2S025TS-1VF256I

|                                  |                                                                                                                                                                                                                          |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | M2S025TS-1VF256I                                                                                                                                                                                                         |
| MANUFACTURER                     | Microsemi                                                                                                                                                                                                                |
| DESCRIPTION                      | IC FPGA SOC 25K LUTS                                                                                                                                                                                                     |
| LEAD FREE STATUS / ROHS STATUS   | Contains lead / RoHS non-compliant                                                                                                                                                                                       |
| DATA SHEET                       |  1.M2S025TS-1VF256I.pdf<br> 2.M2S025TS-1VF256I.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            | -40°C ~ 100°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 M2S025TS-1VF256I                                | M2S025TS-1VF256I Distributor                         | M2S025TS-1VF256I Supplier                                  |
| M2S025TS-1VF256I Price                                    | M2S025TS-1VF256I Pictures                            | M2S025TS-1VF256I Image                                     |
| M2S025TS-1VF256I PDF Datasheet                            | M2S025TS-1VF256I Download Datasheet                  | M2S025TS-1VF256I Datasheet                                 |
| M2S025TS-1VF256I Stock                                    | Buy M2S025TS-1VF256I                                 | Buy Microsemi M2S025TS-1VF256I                             |
| Microsemi M2S025TS-1VF256I                                | Microsemi Supplier                                   | Microsemi Distributor                                      |
| Microsemi M2S025TS-1VF256I                                | Microsemi Analog Mixed Signal Group M2S025TS-1VF256I | Microsemi Analog Mixed Signal Group [MIL] M2S025TS-1VF256I |
| Microsemi Consumer Medical Product Group M2S025TS-1VF256I | Microsemi HI-REL [MIL] M2S025TS-1VF256I              | Microsemi Power Management Group M2S025TS-1VF256I          |
| Microsemi Power Products Group M2S025TS-1VF256I           | Microsemi SoC M2S025TS-1VF256I                       | Microsemi Commercial Components Group M2S025TS-1VF256I     |
| Microsemi Corporation M2S025TS-1VF256I                    | Microsemi Solutions Sdn Bhd. M2S025TS-1VF256I        |                                                            |

Related Products

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|  <div><b>M2S025TS-1VF256</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 25K LUTS<br/>In stock: Out stock<br/>RFQ</div>          |  <div><b>M2S025TS-1VF400</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 25K LUTS 400VFBGA<br/>In stock: Out stock<br/>RFQ</div>  |
|  <div><b>M2S025TS-1VFG256I</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 25K LUTS<br/>In stock: Out stock<br/>RFQ</div>        |  <div><b>M2S025TS-1FGG484I</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 25K LUTS 484FBGA<br/>In stock: Out stock<br/>RFQ</div> |
|  <div><b>M2S025TS-1FGG484</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 25K LUTS 484FBGA<br/>In stock: Out stock<br/>RFQ</div> |  <div><b>M2S025TS-1FGG484M</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 25K LUTS 484FBGA<br/>In stock: Out stock<br/>RFQ</div> |
|  <div><b>M2S025TS-1FGG484T2</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC<br/>In stock: Out stock<br/>RFQ</div>                |  <div><b>M2S025TS-1VF400I</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 25K LUTS 400VFBGA<br/>In stock: Out stock<br/>RFQ</div> |
|  <div><b>M2S025TS-1VF400</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 25K LUTS 400VFBGA<br/>In stock: Out stock<br/>RFQ</div> |  <div><b>M2S025TS-1VFG256T2</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC<br/>In stock: Out stock<br/>RFQ</div>                 |
|  <div><b>M2S025TS-1FG484M</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 25K LUTS 484FBGA<br/>In stock: Out stock<br/>RFQ</div> |  <div><b>M2S025TS-1VFG256</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 25K LUTS<br/>In stock: Out stock<br/>RFQ</div>          |