



Microsemi



Image may be representation. See specifications for product details.

M2S090T-1FG484I

|                     |                                                                                                                      |
|---------------------|----------------------------------------------------------------------------------------------------------------------|
| Part Number:        | M2S090T-1FG484I                                                                                                      |
| Manufacturer/Brand: | Microsemi                                                                                                            |
| Product description | IC FPGA SOC 90K LUTS 484FBGA                                                                                         |
|                     |  1.M2S090T-1FG484I.pdf              |
|                     |  2.M2S090T-1FG484I.pdf              |
| Datasheets:         |                                                                                                                      |
| RoHs Status         |  Contains lead / RoHS non-compliant |
| Stock Condition     | 442 pcs stock                                                                                                        |
| Ship From           | Hong Kong                                                                                                            |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                |

REQUEST FOR QUOTATION

Specifications of M2S090T-1FG484I

|                                  |                                                                                                                                                                                                                        |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | M2S090T-1FG484I                                                                                                                                                                                                        |
| MANUFACTURER                     | Microsemi                                                                                                                                                                                                              |
| DESCRIPTION                      | IC FPGA SOC 90K LUTS 484FBGA                                                                                                                                                                                           |
| LEAD FREE STATUS / ROHS STATUS   | Contains lead / RoHS non-compliant                                                                                                                                                                                     |
| QUANTITY AVAILABLE               | 442 pcs                                                                                                                                                                                                                |
| DATA SHEET                       |  1.M2S090T-1FG484I.pdf<br> 2.M2S090T-1FG484I.pdf |
| SUPPLIER DEVICE PACKAGE          | 484-FPBGA (23x23)                                                                                                                                                                                                      |
| SPEED                            | 166MHz                                                                                                                                                                                                                 |
| SERIES                           | SmartFusion®2                                                                                                                                                                                                          |
| RAM SIZE                         | 64KB                                                                                                                                                                                                                   |
| PRIMARY ATTRIBUTES               | FPGA - 90K Logic Modules                                                                                                                                                                                               |
| PERIPHERALS                      | DDR, PCIe, SERDES                                                                                                                                                                                                      |
| PACKAGING                        | Tray                                                                                                                                                                                                                   |
| PACKAGE / CASE                   | 484-BGA                                                                                                                                                                                                                |
| OPERATING TEMPERATURE            | -40°C ~ 100°C (TJ)                                                                                                                                                                                                     |
| NUMBER OF I/O                    | 267                                                                                                                                                                                                                    |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                          |
| LEAD FREE STATUS / ROHS STATUS   | Contains lead / RoHS non-compliant                                                                                                                                                                                     |
| FLASH SIZE                       | 512KB                                                                                                                                                                                                                  |
| DETAILED DESCRIPTION             | ARM® Cortex®-M3 System On Chip (SOC) IC SmartFusion®2 FPGA - 90K Logic Modules 512KB 64KB 166MHz 484-FPBGA (23x23)                                                                                                     |
| CORE PROCESSOR                   | ARM® Cortex®-M3                                                                                                                                                                                                        |
| CONNECTIVITY                     | CANbus, Ethernet, I²C, SPI, UART/USART, USB                                                                                                                                                                            |
| BASE PART NUMBER                 | M2S090T                                                                                                                                                                                                                |
| ARCHITECTURE                     | MCU, FPGA                                                                                                                                                                                                              |

Related Tags

|                                                          |                                                     |                                                           |
|----------------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------------|
| Microsemi M2S090T-1FG484I                                | M2S090T-1FG484I Distributor                         | M2S090T-1FG484I Supplier                                  |
| M2S090T-1FG484I Price                                    | M2S090T-1FG484I Pictures                            | M2S090T-1FG484I Image                                     |
| M2S090T-1FG484I PDF Datasheet                            | M2S090T-1FG484I Download Datasheet                  | M2S090T-1FG484I Datasheet                                 |
| M2S090T-1FG484I Stock                                    | Buy M2S090T-1FG484I                                 | Buy Microsemi M2S090T-1FG484I                             |
| Microsemi M2S090T-1FG484I                                | Microsemi Supplier                                  | Microsemi Distributor                                     |
| Microsemi M2S090T-1FG484I                                | Microsemi Analog Mixed Signal Group M2S090T-1FG484I | Microsemi Analog Mixed Signal Group [MIL] M2S090T-1FG484I |
| Microsemi Consumer Medical Product Group M2S090T-1FG484I | Microsemi HI-REL [MIL] M2S090T-1FG484I              | Microsemi Power Management Group M2S090T-1FG484I          |
| Microsemi Power Products Group M2S090T-1FG484I           | Microsemi SoC M2S090T-1FG484I                       | Microsemi Commercial Components Group M2S090T-1FG484I     |
| Microsemi Corporation M2S090T-1FG484I                    | Microsemi Solutions Sdn Bhd. M2S090T-1FG484I        |                                                           |

Related Products

|                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                       |
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|  <div>M2S090T-1FG676I</div> <div>Manufacturers: Microsemi</div> <div>Description: IC FPGA SOC 90K LUTS 676FBGA</div> <div>In stock: 432 pcs</div> <div>RFQ</div>  |  <div>M2S090T-1FCS325</div> <div>Manufacturers: Microsemi</div> <div>Description: IC FPGA SOC 90K LUTS</div> <div>In stock: 620 pcs</div> <div>RFQ</div>           |
|  <div>M2S090T-1FCS325I</div> <div>Manufacturers: Microsemi</div> <div>Description: IC FPGA SOC 90K LUTS</div> <div>In stock: 671 pcs</div> <div>RFQ</div>         |  <div>M2S090T-1FGG484</div> <div>Manufacturers: Microsemi</div> <div>Description: IC FPGA SOC 90K LUTS 484FBGA</div> <div>In stock: 543 pcs</div> <div>RFQ</div>   |
|  <div>M2S090T-1FG676</div> <div>Manufacturers: Microsemi</div> <div>Description: IC FPGA SOC 90K LUTS 676FBGA</div> <div>In stock: 431 pcs</div> <div>RFQ</div>   |  <div>M2S090T-1FG484</div> <div>Manufacturers: Microsemi</div> <div>Description: IC FPGA SOC 90K LUTS 484FBGA</div> <div>In stock: 562 pcs</div> <div>RFQ</div>    |
|  <div>M2S090T-1FCSG325I</div> <div>Manufacturers: Microsemi</div> <div>Description: IC FPGA SOC 90K LUTS</div> <div>In stock: 739 pcs</div> <div>RFQ</div>        |  <div>M2S090T-1FGG484M</div> <div>Manufacturers: Microsemi</div> <div>Description: IC FPGA SOC 90K LUTS 484FBGA</div> <div>In stock: 257 pcs</div> <div>RFQ</div>  |
|  <div>M2S090T-1FGG484I</div> <div>Manufacturers: Microsemi</div> <div>Description: IC FPGA SOC 90K LUTS 484FBGA</div> <div>In stock: 460 pcs</div> <div>RFQ</div> |  <div>M2S090S-1FGG676I</div> <div>Manufacturers: Microsemi</div> <div>Description: IC FPGA SOC 90K LUTS 676FBGA</div> <div>In stock: 6001 pcs</div> <div>RFQ</div> |
|  <div>M2S090T-1FCSG325</div> <div>Manufacturers: Microsemi</div> <div>Description: IC FPGA SOC 90K LUTS</div> <div>In stock: 765 pcs</div> <div>RFQ</div>         |  <div>M2S090T-1FG484M</div> <div>Manufacturers: Microsemi</div> <div>Description: IC FPGA SOC 90K LUTS 484FBGA</div> <div>In stock: 246 pcs</div> <div>RFQ</div>   |