



Microsemi



M2S090T-FGG676I

|                     |                                                                                                                                                                                                                    |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | M2S090T-FGG676I                                                                                                                                                                                                    |
| Manufacturer/Brand: | Microsemi                                                                                                                                                                                                          |
| Product description | IC FPGA SOC 90K LUTS 676FBGA                                                                                                                                                                                       |
| Datasheets:         |  1.M2S090T-FGG676I.pdf<br> 2.M2S090T-FGG676I.pdf |
| RoHs Status         |  Lead free / RoHS Compliant                                                                                                       |
| Stock Condition     | 469 pcs stock                                                                                                                                                                                                      |
| Ship From           | Hong Kong                                                                                                                                                                                                          |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                                                                                                              |

REQUEST FOR QUOTATION

Specifications of M2S090T-FGG676I

|                                  |                                                                                                                                                                                                                        |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | M2S090T-FGG676I                                                                                                                                                                                                        |
| MANUFACTURER                     | Microsemi                                                                                                                                                                                                              |
| DESCRIPTION                      | IC FPGA SOC 90K LUTS 676FBGA                                                                                                                                                                                           |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                             |
| QUANTITY AVAILABLE               | 469 pcs                                                                                                                                                                                                                |
| DATA SHEET                       |  1.M2S090T-FGG676I.pdf<br> 2.M2S090T-FGG676I.pdf |
| SUPPLIER DEVICE PACKAGE          | 676-FBGA (27x27)                                                                                                                                                                                                       |
| SPEED                            | 166MHz                                                                                                                                                                                                                 |
| SERIES                           | SmartFusion®2                                                                                                                                                                                                          |
| RAM SIZE                         | 64KB                                                                                                                                                                                                                   |
| PRIMARY ATTRIBUTES               | FPGA - 90K Logic Modules                                                                                                                                                                                               |
| PERIPHERALS                      | DDR, PCIe, SERDES                                                                                                                                                                                                      |
| PACKAGING                        | Tray                                                                                                                                                                                                                   |
| PACKAGE / CASE                   | 676-BGA                                                                                                                                                                                                                |
| OPERATING TEMPERATURE            | -40°C ~ 100°C (TJ)                                                                                                                                                                                                     |
| NUMBER OF I/O                    | 425                                                                                                                                                                                                                    |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                          |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                             |
| FLASH SIZE                       | 512KB                                                                                                                                                                                                                  |
| DETAILED DESCRIPTION             | ARM® Cortex®-M3 System On Chip (SOC) IC SmartFusion®2 FPGA - 90K Logic Modules 512KB 64KB 166MHz 676-FBGA (27x27)                                                                                                      |
| CORE PROCESSOR                   | ARM® Cortex®-M3                                                                                                                                                                                                        |
| CONNECTIVITY                     | CANbus, Ethernet, I²C, SPI, UART/USART, USB                                                                                                                                                                            |
| ARCHITECTURE                     | MCU, FPGA                                                                                                                                                                                                              |

Related Tags

|                                                          |                                                     |                                                           |
|----------------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------------|
| Microsemi M2S090T-FGG676I                                | M2S090T-FGG676I Distributor                         | M2S090T-FGG676I Supplier                                  |
| M2S090T-FGG676I Price                                    | M2S090T-FGG676I Pictures                            | M2S090T-FGG676I Image                                     |
| M2S090T-FGG676I PDF Datasheet                            | M2S090T-FGG676I Download Datasheet                  | M2S090T-FGG676I Datasheet                                 |
| M2S090T-FGG676I Stock                                    | Buy M2S090T-FGG676I                                 | Buy Microsemi M2S090T-FGG676I                             |
| Microsemi M2S090T-FGG676I                                | Microsemi Supplier                                  | Microsemi Distributor                                     |
| Microsemi M2S090T-FGG676I                                | Microsemi Analog Mixed Signal Group M2S090T-FGG676I | Microsemi Analog Mixed Signal Group [MIL] M2S090T-FGG676I |
| Microsemi Consumer Medical Product Group M2S090T-FGG676I | Microsemi HI-REL [MIL] M2S090T-FGG676I              | Microsemi Power Management Group M2S090T-FGG676I          |
| Microsemi Power Products Group M2S090T-FGG676I           | Microsemi SoC M2S090T-FGG676I                       | Microsemi Commercial Components Group M2S090T-FGG676I     |
| Microsemi Corporation M2S090T-FGG676I                    | Microsemi Solutions Sdn Bhd. M2S090T-FGG676I        |                                                           |

Related Products

|                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>M2S090T-FGG676</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 90K LUTS 676FBGA<br/>In stock: 492 pcs</div> <div>RFQ</div>  |  <div><b>M2S090TS-1FCS325I</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 90K LUTS<br/>In stock: 677 pcs</div> <div>RFQ</div>        |
|  <div><b>M2S090T-FGG484</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 90K LUTS 484FBGA<br/>In stock: 622 pcs</div> <div>RFQ</div>  |  <div><b>M2S090TS-1FCSG325I</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 90K LUTS<br/>In stock: 600 pcs</div> <div>RFQ</div>       |
|  <div><b>M2S090T-FG484I</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 90K LUTS 484FBGA<br/>In stock: 466 pcs</div> <div>RFQ</div>  |  <div><b>M2S090T-FG676I</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 90K LUTS 676FBGA<br/>In stock: 391 pcs</div> <div>RFQ</div>   |
|  <div><b>M2S090T-FGG484I</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 90K LUTS 484FBGA<br/>In stock: 556 pcs</div> <div>RFQ</div> |  <div><b>M2S090TS-1FG484I</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 90K LUTS 484FBGA<br/>In stock: 408 pcs</div> <div>RFQ</div> |
|  <div><b>M2S090TS-1FCS325</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 90K LUTS<br/>In stock: 728 pcs</div> <div>RFQ</div>        |  <div><b>M2S090TS-1FCSG325</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 90K LUTS<br/>In stock: 711 pcs</div> <div>RFQ</div>        |
|  <div><b>M2S090T-FG676</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 90K LUTS 676FBGA<br/>In stock: 525 pcs</div> <div>RFQ</div>   |  <div><b>M2S090TS-1FG484</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 90K LUTS<br/>In stock: 450 pcs</div> <div>RFQ</div>          |