



Microsemi



Image may be representation. See specifications for product details.

M2S090-FG676

|                     |                                                                                                                      |
|---------------------|----------------------------------------------------------------------------------------------------------------------|
| Part Number:        | M2S090-FG676                                                                                                         |
| Manufacturer/Brand: | Microsemi                                                                                                            |
| Product description | IC FPGA SOC 90K LUTS 676FBGA                                                                                         |
|                     |  1.M2S090-FG676.pdf                 |
|                     |  2.M2S090-FG676.pdf                 |
| Datasheets:         |                                                                                                                      |
| RoHs Status         |  Contains lead / RoHS non-compliant |
| Ship From           | Hong Kong                                                                                                            |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                |

REQUEST FOR QUOTATION

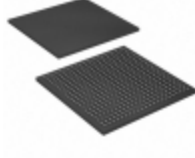
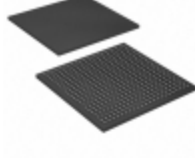
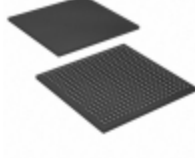
Specifications of M2S090-FG676

|                                  |                                                                                                                                                                                                                  |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | M2S090-FG676                                                                                                                                                                                                     |
| MANUFACTURER                     | Microsemi                                                                                                                                                                                                        |
| DESCRIPTION                      | IC FPGA SOC 90K LUTS 676FBGA                                                                                                                                                                                     |
| LEAD FREE STATUS / ROHS STATUS   | Contains lead / RoHS non-compliant                                                                                                                                                                               |
| DATA SHEET                       |  1.M2S090-FG676.pdf<br> 2.M2S090-FG676.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            | 0°C ~ 85°C (TJ)                                                                                                                                                                                                  |
| NUMBER OF I/O                    | 425                                                                                                                                                                                                              |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                    |
| MANUFACTURER STANDARD LEAD TIME  | 6 Weeks                                                                                                                                                                                                          |
| 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 676-FBGA (27x27)                                                                                                |
| CORE PROCESSOR                   | ARM® Cortex®-M3                                                                                                                                                                                                  |
| CONNECTIVITY                     | CANbus, Ethernet, I²C, SPI, UART/USART, USB                                                                                                                                                                      |
| BASE PART NUMBER                 | M2S090                                                                                                                                                                                                           |
| ARCHITECTURE                     | MCU, FPGA                                                                                                                                                                                                        |

Related Tags

|                                                       |                                                  |                                                        |
|-------------------------------------------------------|--------------------------------------------------|--------------------------------------------------------|
| Microsemi M2S090-FG676                                | M2S090-FG676 Distributor                         | M2S090-FG676 Supplier                                  |
| M2S090-FG676 Price                                    | M2S090-FG676 Pictures                            | M2S090-FG676 Image                                     |
| M2S090-FG676 PDF Datasheet                            | M2S090-FG676 Download Datasheet                  | M2S090-FG676 Datasheet                                 |
| M2S090-FG676 Stock                                    | Buy M2S090-FG676                                 | Buy Microsemi M2S090-FG676                             |
| Microsemi M2S090-FG676                                | Microsemi Supplier                               | Microsemi Distributor                                  |
| Microsemi M2S090-FG676                                | Microsemi Analog Mixed Signal Group M2S090-FG676 | Microsemi Analog Mixed Signal Group [MIL] M2S090-FG676 |
| Microsemi Consumer Medical Product Group M2S090-FG676 | Microsemi HI-REL [MIL] M2S090-FG676              | Microsemi Power Management Group M2S090-FG676          |
| Microsemi Power Products Group M2S090-FG676           | Microsemi SoC M2S090-FG676                       | Microsemi Commercial Components Group M2S090-FG676     |
| Microsemi Corporation M2S090-FG676                    | Microsemi Solutions Sdn Bhd. M2S090-FG676        |                                                        |

Related Products

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| <div></div> <div><b>M2S090-FGG484I</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 90K LUTS 484FBGA<br/>In stock: Out stock</div> <div>RFQ</div> | <div></div> <div><b>M2S090-FGG676</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 90K LUTS 676FBGA<br/>In stock: Out stock</div> <div>RFQ</div>   |
| <div></div> <div><b>M2S090-FG484I</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 90K LUTS 484FBGA<br/>In stock: Out stock</div> <div>RFQ</div>  | <div></div> <div><b>M2S090S-1FG484I</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 90K LUTS 484FBGA<br/>In stock: Out stock</div> <div>RFQ</div> |
| <div></div> <div><b>M2S090-FGG676I</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 90K LUTS 676FBGA<br/>In stock: Out stock</div> <div>RFQ</div> | <div></div> <div><b>M2S090-FG484</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 90K LUTS 484FBGA<br/>In stock: Out stock</div> <div>RFQ</div>    |
| <div></div> <div><b>M2S090-FCSG325I</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 90K LUTS<br/>In stock: Out stock</div> <div>RFQ</div>        | <div></div> <div><b>M2S090-FCS325I</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 90K LUTS<br/>In stock: Out stock</div> <div>RFQ</div>          |
| <div></div> <div><b>M2S090-FCSG325</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 90K LUTS<br/>In stock: Out stock</div> <div>RFQ</div>         | <div></div> <div><b>M2S090-FGG484</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 90K LUTS 484FBGA<br/>In stock: Out stock</div> <div>RFQ</div>   |
| <div></div> <div><b>M2S090-FCS325</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 90K LUTS<br/>In stock: Out stock</div> <div>RFQ</div>          | <div></div> <div><b>M2S090-FG676I</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 90K LUTS 676FBGA<br/>In stock: Out stock</div> <div>RFQ</div>   |