



Microsemi



Image may be representation. See specifications for product details.

M2S090-1FG6761

|                     |                                                                                                                      |
|---------------------|----------------------------------------------------------------------------------------------------------------------|
| Part Number:        | M2S090-1FG6761                                                                                                       |
| Manufacturer/Brand: | Microsemi                                                                                                            |
| Product description | IC FPGA SOC 90K LUTS 676FBGA                                                                                         |
|                     |  1.M2S090-1FG6761.pdf               |
|                     |  2.M2S090-1FG6761.pdf               |
| Datasheets:         |                                                                                                                      |
| RoHs Status         |  Contains lead / RoHS non-compliant |
| Stock Condition     | 472 pcs stock                                                                                                        |
| Ship From           | Hong Kong                                                                                                            |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                |

REQUEST FOR QUOTATION

Specifications of M2S090-1FG6761

|                                  |                                                                                                                                                                                                                      |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | M2S090-1FG6761                                                                                                                                                                                                       |
| MANUFACTURER                     | Microsemi                                                                                                                                                                                                            |
| DESCRIPTION                      | IC FPGA SOC 90K LUTS 676FBGA                                                                                                                                                                                         |
| LEAD FREE STATUS / ROHS STATUS   | Contains lead / RoHS non-compliant                                                                                                                                                                                   |
| QUANTITY AVAILABLE               | 472 pcs                                                                                                                                                                                                              |
| DATA SHEET                       |  1.M2S090-1FG6761.pdf<br> 2.M2S090-1FG6761.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   | 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 M2S090-1FG6761                                | M2S090-1FG6761 Distributor                         | M2S090-1FG6761 Supplier                                  |
| M2S090-1FG6761 Price                                    | M2S090-1FG6761 Pictures                            | M2S090-1FG6761 Image                                     |
| M2S090-1FG6761 PDF Datasheet                            | M2S090-1FG6761 Download Datasheet                  | M2S090-1FG6761 Datasheet                                 |
| M2S090-1FG6761 Stock                                    | Buy M2S090-1FG6761                                 | Buy Microsemi M2S090-1FG6761                             |
| Microsemi M2S090-1FG6761                                | Microsemi Supplier                                 | Microsemi Distributor                                    |
| Microsemi M2S090-1FG6761                                | Microsemi Analog Mixed Signal Group M2S090-1FG6761 | Microsemi Analog Mixed Signal Group [MIL] M2S090-1FG6761 |
| Microsemi Consumer Medical Product Group M2S090-1FG6761 | Microsemi HI-REL [MIL] M2S090-1FG6761              | Microsemi Power Management Group M2S090-1FG6761          |
| Microsemi Power Products Group M2S090-1FG6761           | Microsemi SoC M2S090-1FG6761                       | Microsemi Commercial Components Group M2S090-1FG6761     |
| Microsemi Corporation M2S090-1FG6761                    | Microsemi Solutions Sdn Bhd. M2S090-1FG6761        |                                                          |

Related Products

|                                                                                                                                                                                                                               |                                                                                                                                                                                                                                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div>M2S090-1FG484I<br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 90K LUTS 484FBGA<br/>In stock: 501 pcs</div> <div>RFQ</div>  |  <div>M2S090-1FCSG325I<br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 90K LUTS<br/>In stock: 685 pcs</div> <div>RFQ</div>            |
|  <div>M2S090-1FCSG325<br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 90K LUTS<br/>In stock: 710 pcs</div> <div>RFQ</div>         |  <div>M2S090-1FCS325I<br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 90K LUTS<br/>In stock: 793 pcs</div> <div>RFQ</div>             |
|  <div>M2S090-1FG484<br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 90K LUTS 484FBGA<br/>In stock: 510 pcs</div> <div>RFQ</div>   |  <div>M2S090-1FG676IX417<br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 90K LUTS 676FBGA<br/>In stock: 4976 pcs</div> <div>RFQ</div> |
|  <div>M2S090-1FGG676I<br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 90K LUTS 676FBGA<br/>In stock: 464 pcs</div> <div>RFQ</div> |  <div>M2S090-1FGG484I<br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 90K LUTS 484FBGA<br/>In stock: 484 pcs</div> <div>RFQ</div>     |
|  <div>M2S090-FCS325<br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 90K LUTS<br/>In stock: 884 pcs</div> <div>RFQ</div>           |  <div>M2S090-1FGG484<br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 90K LUTS 484FBGA<br/>In stock: 594 pcs</div> <div>RFQ</div>      |
|  <div>M2S090-1FGG676<br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 90K LUTS 676FBGA<br/>In stock: 521 pcs</div> <div>RFQ</div>  |  <div>M2S090-1FG676<br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 90K LUTS 676FBGA<br/>In stock: 535 pcs</div> <div>RFQ</div>       |