



Microsemi



Image may be representation. See specifications for product details.

M2S050TS-FGG896

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | M2S050TS-FGG896                                                                                              |
| Manufacturer/Brand: | Microsemi                                                                                                    |
| Product description | IC FPGA SOC 50K LUTS                                                                                         |
|                     |  1.M2S050TS-FGG896.pdf      |
|                     |  2.M2S050TS-FGG896.pdf      |
| Datasheets:         |  Lead free / RoHS Compliant |
| RoHs Status         |                                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Specifications of M2S050TS-FGG896

|                                  |                                                                                                                                                                                                                        |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | M2S050TS-FGG896                                                                                                                                                                                                        |
| MANUFACTURER                     | Microsemi                                                                                                                                                                                                              |
| DESCRIPTION                      | IC FPGA SOC 50K LUTS                                                                                                                                                                                                   |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                             |
| DATA SHEET                       |  1.M2S050TS-FGG896.pdf<br> 2.M2S050TS-FGG896.pdf |
| SUPPLIER DEVICE PACKAGE          | 896-FBGA (31x31)                                                                                                                                                                                                       |
| SPEED                            | 166MHz                                                                                                                                                                                                                 |
| SERIES                           | SmartFusion®2                                                                                                                                                                                                          |
| RAM SIZE                         | 64KB                                                                                                                                                                                                                   |
| PRIMARY ATTRIBUTES               | FPGA - 50K Logic Modules                                                                                                                                                                                               |
| PERIPHERALS                      | DDR, PCIe, SERDES                                                                                                                                                                                                      |
| PACKAGING                        | Tray                                                                                                                                                                                                                   |
| PACKAGE / CASE                   | 896-BGA                                                                                                                                                                                                                |
| OPERATING TEMPERATURE            | 0°C ~ 85°C (TJ)                                                                                                                                                                                                        |
| NUMBER OF I/O                    | 377                                                                                                                                                                                                                    |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                          |
| MANUFACTURER STANDARD LEAD TIME  | 4 Weeks                                                                                                                                                                                                                |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                             |
| FLASH SIZE                       | 256KB                                                                                                                                                                                                                  |
| DETAILED DESCRIPTION             | ARM® Cortex®-M3 System On Chip (SOC) IC SmartFusion®2 FPGA - 50K Logic Modules 256KB 64KB 166MHz 896-FBGA (31x31)                                                                                                      |
| CORE PROCESSOR                   | ARM® Cortex®-M3                                                                                                                                                                                                        |
| CONNECTIVITY                     | CANbus, Ethernet, I²C, SPI, UART/USART, USB                                                                                                                                                                            |
| ARCHITECTURE                     | MCU, FPGA                                                                                                                                                                                                              |

Related Tags

|                                                          |                                                     |                                                           |
|----------------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------------|
| Microsemi M2S050TS-FGG896                                | M2S050TS-FGG896 Distributor                         | M2S050TS-FGG896 Supplier                                  |
| M2S050TS-FGG896 Price                                    | M2S050TS-FGG896 Pictures                            | M2S050TS-FGG896 Image                                     |
| M2S050TS-FGG896 PDF Datasheet                            | M2S050TS-FGG896 Download Datasheet                  | M2S050TS-FGG896 Datasheet                                 |
| M2S050TS-FGG896 Stock                                    | Buy M2S050TS-FGG896                                 | Buy Microsemi M2S050TS-FGG896                             |
| Microsemi M2S050TS-FGG896                                | Microsemi Supplier                                  | Microsemi Distributor                                     |
| Microsemi M2S050TS-FGG896                                | Microsemi Analog Mixed Signal Group M2S050TS-FGG896 | Microsemi Analog Mixed Signal Group [MIL] M2S050TS-FGG896 |
| Microsemi Consumer Medical Product Group M2S050TS-FGG896 | Microsemi HI-REL [MIL] M2S050TS-FGG896              | Microsemi Power Management Group M2S050TS-FGG896          |
| Microsemi Power Products Group M2S050TS-FGG896           | Microsemi SoC M2S050TS-FGG896                       | Microsemi Commercial Components Group M2S050TS-FGG896     |
| Microsemi Corporation M2S050TS-FGG896                    | Microsemi Solutions Sdn Bhd. M2S050TS-FGG896        |                                                           |

Related Products

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|  <div><b>M2S050TS-FG484</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 50K LUTS<br/>In stock: Out stock</div> <div>RFQ</div>   |  <div><b>M2S050TS-FG484I</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 50K LUTS<br/>In stock: Out stock</div> <div>RFQ</div>  |
|  <div><b>M2S050TS-VF400</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 50K LUTS<br/>In stock: Out stock</div> <div>RFQ</div>   |  <div><b>M2S050TS-FGG484</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 50K LUTS<br/>In stock: Out stock</div> <div>RFQ</div>  |
|  <div><b>M2S050TS-VFG400I</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 50K LUTS<br/>In stock: Out stock</div> <div>RFQ</div> |  <div><b>M2S050TS-FGG484I</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 50K LUTS<br/>In stock: Out stock</div> <div>RFQ</div> |
|  <div><b>M2S050TS-FG896I</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 50K LUTS<br/>In stock: Out stock</div> <div>RFQ</div>  |  <div><b>M2S050TS-VFG400</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 50K LUTS<br/>In stock: Out stock</div> <div>RFQ</div>  |
|  <div><b>M2S050TS-FG896</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 50K LUTS<br/>In stock: Out stock</div> <div>RFQ</div>   |  <div><b>M2S050TS-VF400I</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 50K LUTS<br/>In stock: Out stock</div> <div>RFQ</div>  |
|  <div><b>M2S050TS-FGG896I</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 50K LUTS<br/>In stock: Out stock</div> <div>RFQ</div> |  <div><b>M2S060-1FCS325</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 60K LUTS<br/>In stock: Out stock</div> <div>RFQ</div>   |