



M2S050T-1FG896

|                     |                                                                                                                      |
|---------------------|----------------------------------------------------------------------------------------------------------------------|
| Part Number:        | M2S050T-1FG896                                                                                                       |
| Manufacturer/Brand: | Microsemi                                                                                                            |
| Product description | IC FPGA SOC 50K LUTS 896FBGA                                                                                         |
| Datasheets:         | <a href="#">1.M2S050T-1FG896.pdf</a><br><a href="#">2.M2S050T-1FG896.pdf</a>                                         |
| RoHs Status         |  Contains lead / RoHS non-compliant |
| Ship From           | Hong Kong                                                                                                            |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                |

REQUEST FOR QUOTATION

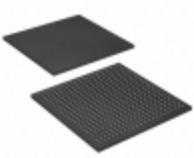
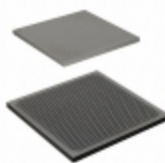
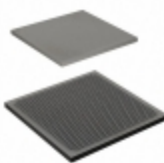
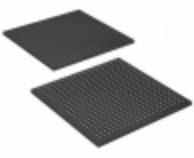
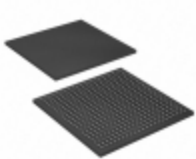
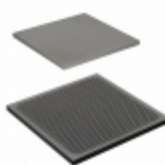
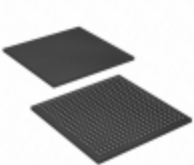
Specifications of M2S050T-1FG896

|                                  |                                                                                                                   |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | M2S050T-1FG896                                                                                                    |
| MANUFACTURER                     | Microsemi                                                                                                         |
| DESCRIPTION                      | IC FPGA SOC 50K LUTS 896FBGA                                                                                      |
| LEAD FREE STATUS / ROHS STATUS   | Contains lead / RoHS non-compliant                                                                                |
| DATA SHEET                       | <a href="#">1.M2S050T-1FG896.pdf</a><br><a href="#">2.M2S050T-1FG896.pdf</a>                                      |
| 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-FBGA                                                                                                          |
| OPERATING TEMPERATURE            | 0°C ~ 85°C (TJ)                                                                                                   |
| NUMBER OF I/O                    | 377                                                                                                               |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                     |
| LEAD FREE STATUS / ROHS STATUS   | Contains lead / RoHS non-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                                                                       |
| BASE PART NUMBER                 | M2S050T                                                                                                           |
| ARCHITECTURE                     | MCU, FPGA                                                                                                         |

Related Tags

|                                                         |                                                    |                                                          |
|---------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------|
| Microsemi M2S050T-1FG896                                | M2S050T-1FG896 Distributor                         | M2S050T-1FG896 Supplier                                  |
| M2S050T-1FG896 Price                                    | M2S050T-1FG896 Pictures                            | M2S050T-1FG896 Image                                     |
| M2S050T-1FG896 PDF Datasheet                            | M2S050T-1FG896 Download Datasheet                  | M2S050T-1FG896 Datasheet                                 |
| M2S050T-1FG896 Stock                                    | Buy M2S050T-1FG896                                 | Buy Microsemi M2S050T-1FG896                             |
| Microsemi M2S050T-1FG896                                | Microsemi Supplier                                 | Microsemi Distributor                                    |
| Microsemi M2S050T-1FG896                                | Microsemi Analog Mixed Signal Group M2S050T-1FG896 | Microsemi Analog Mixed Signal Group [MIL] M2S050T-1FG896 |
| Microsemi Consumer Medical Product Group M2S050T-1FG896 | Microsemi HI-REL [MIL] M2S050T-1FG896              | Microsemi Power Management Group M2S050T-1FG896          |
| Microsemi Power Products Group M2S050T-1FG896           | Microsemi SoC M2S050T-1FG896                       | Microsemi Commercial Components Group M2S050T-1FG896     |
| Microsemi Corporation M2S050T-1FG896                    | Microsemi Solutions Sdn Bhd. M2S050T-1FG896        |                                                          |

Related Products

|                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                         |
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| <div></div> <div><b>M2S050T-1FCS325I</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 50K LUTS<br/>In stock: Out stock<br/><div>RFQ</div></div>         | <div></div> <div><b>M2S050T-1FG484I</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 50K LUTS 484FBGA<br/>In stock: Out stock<br/><div>RFQ</div></div>  |
| <div></div> <div><b>M2S050T-1FG896I</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 50K LUTS 896FBGA<br/>In stock: Out stock<br/><div>RFQ</div></div>  | <div></div> <div><b>M2S050T-1FGG896</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 50K LUTS 896FBGA<br/>In stock: Out stock<br/><div>RFQ</div></div>  |
| <div></div> <div><b>M2S050T-1FG484M</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 50K LUTS 484FBGA<br/>In stock: Out stock<br/><div>RFQ</div></div>  | <div></div> <div><b>M2S050T-1FGG484I</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 50K LUTS 484FBGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |
| <div></div> <div><b>M2S050T-1FGG484</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 50K LUTS 484FBGA<br/>In stock: Out stock<br/><div>RFQ</div></div>  | <div></div> <div><b>M2S050T-1FGG484M</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 50K LUTS 484FBGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |
| <div></div> <div><b>M2S050T-1FCSG325I</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 50K LUTS<br/>In stock: Out stock<br/><div>RFQ</div></div>        | <div></div> <div><b>M2S050T-1FCSG325</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 50K LUTS<br/>In stock: Out stock<br/><div>RFQ</div></div>         |
| <div></div> <div><b>M2S050T-1FGG896I</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 50K LUTS 896FBGA<br/>In stock: Out stock<br/><div>RFQ</div></div> | <div></div> <div><b>M2S050T-1FG484</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 50K LUTS 484FBGA<br/>In stock: Out stock<br/><div>RFQ</div></div>   |