



M2S050-1FG896I

|                     |                                                                                                                      |
|---------------------|----------------------------------------------------------------------------------------------------------------------|
| Part Number:        | M2S050-1FG896I                                                                                                       |
| Manufacturer/Brand: | Microsemi                                                                                                            |
| Product description | IC FPGA SOC 50K LUTS 400VFBGA                                                                                        |
|                     |  1.M2S050-1FG896I.pdf               |
|                     |  2.M2S050-1FG896I.pdf               |
| Datasheets:         |                                                                                                                      |
| RoHs Status         |  Contains lead / RoHS non-compliant |
| Stock Condition     | 756 pcs stock                                                                                                        |
| Ship From           | Hong Kong                                                                                                            |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                |

REQUEST FOR QUOTATION

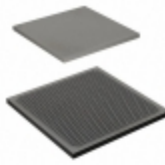
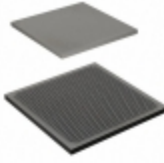
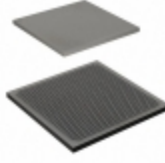
Specifications of M2S050-1FG896I

|                                  |                                                                                                                                                                                                                      |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | M2S050-1FG896I                                                                                                                                                                                                       |
| MANUFACTURER                     | Microsemi                                                                                                                                                                                                            |
| DESCRIPTION                      | IC FPGA SOC 50K LUTS 400VFBGA                                                                                                                                                                                        |
| LEAD FREE STATUS / ROHS STATUS   | Contains lead / RoHS non-compliant                                                                                                                                                                                   |
| QUANTITY AVAILABLE               | 756 pcs                                                                                                                                                                                                              |
| DATA SHEET                       |  1.M2S050-1FG896I.pdf<br> 2.M2S050-1FG896I.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-FBGA                                                                                                                                                                                                             |
| OPERATING TEMPERATURE            | -40°C ~ 100°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                 | M2S050                                                                                                                                                                                                               |
| ARCHITECTURE                     | MCU, FPGA                                                                                                                                                                                                            |

Related Tags

|                                                         |                                                    |                                                          |
|---------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------|
| Microsemi M2S050-1FG896I                                | M2S050-1FG896I Distributor                         | M2S050-1FG896I Supplier                                  |
| M2S050-1FG896I Price                                    | M2S050-1FG896I Pictures                            | M2S050-1FG896I Image                                     |
| M2S050-1FG896I PDF Datasheet                            | M2S050-1FG896I Download Datasheet                  | M2S050-1FG896I Datasheet                                 |
| M2S050-1FG896I Stock                                    | Buy M2S050-1FG896I                                 | Buy Microsemi M2S050-1FG896I                             |
| Microsemi M2S050-1FG896I                                | Microsemi Supplier                                 | Microsemi Distributor                                    |
| Microsemi M2S050-1FG896I                                | Microsemi Analog Mixed Signal Group M2S050-1FG896I | Microsemi Analog Mixed Signal Group [MIL] M2S050-1FG896I |
| Microsemi Consumer Medical Product Group M2S050-1FG896I | Microsemi HI-REL [MIL] M2S050-1FG896I              | Microsemi Power Management Group M2S050-1FG896I          |
| Microsemi Power Products Group M2S050-1FG896I           | Microsemi SoC M2S050-1FG896I                       | Microsemi Commercial Components Group M2S050-1FG896I     |
| Microsemi Corporation M2S050-1FG896I                    | Microsemi Solutions Sdn Bhd. M2S050-1FG896I        |                                                          |

Related Products

|                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                          |
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| <div></div> <div>M2S050-1VF400I<br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 50K LUTS 400VFBGA<br/>In stock: 819 pcs</div> <div>RFQ</div> | <div></div> <div>M2S050-1FG484<br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 50K LUTS 484FBGA<br/>In stock: 798 pcs</div> <div>RFQ</div>  |
| <div></div> <div>M2S050-1FCSG325I<br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 50K LUTS<br/>In stock: 1006 pcs</div> <div>RFQ</div>       | <div></div> <div>M2S050-1FCS325I<br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 50K LUTS<br/>In stock: 1138 pcs</div> <div>RFQ</div>       |
| <div></div> <div>M2S050-1FGG896I<br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 50K LUTS 896FBGA<br/>In stock: 714 pcs</div> <div>RFQ</div> | <div></div> <div>M2S050-1FGG484<br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 50K LUTS 896FBGA<br/>In stock: 886 pcs</div> <div>RFQ</div> |
| <div></div> <div>M2S050-1FGG484I<br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 50K LUTS 484FBGA<br/>In stock: 879 pcs</div> <div>RFQ</div> | <div></div> <div>M2S050-1FG896<br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 50K LUTS 896FBGA<br/>In stock: 688 pcs</div> <div>RFQ</div>  |
| <div></div> <div>M2S050-1FGG896<br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 50K LUTS 896FBGA<br/>In stock: 665 pcs</div> <div>RFQ</div>  | <div></div> <div>M2S050-1VF400<br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 50K LUTS 400VFBGA<br/>In stock: 978 pcs</div> <div>RFQ</div> |
| <div></div> <div>M2S050-1FG484I<br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 50K LUTS 484FBGA<br/>In stock: 863 pcs</div> <div>RFQ</div>  | <div></div> <div>M2S050-1FCSG325<br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 50K LUTS<br/>In stock: 1006 pcs</div> <div>RFQ</div>       |