



M2S050-FGG896

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | M2S050-FGG896                                                                                                |
| Manufacturer/Brand: | Microsemi                                                                                                    |
| Product description | IC FPGA SOC 896-FBGA                                                                                         |
|                     |  1.M2S050-FGG896.pdf        |
|                     |  2.M2S050-FGG896.pdf        |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 903 pcs stock                                                                                                |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

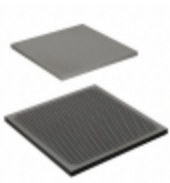
Specifications of M2S050-FGG896

|                                  |                                                                                                                                                                                                                    |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | M2S050-FGG896                                                                                                                                                                                                      |
| MANUFACTURER                     | Microsemi                                                                                                                                                                                                          |
| DESCRIPTION                      | IC FPGA SOC 896-FBGA                                                                                                                                                                                               |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                         |
| QUANTITY AVAILABLE               | 903 pcs                                                                                                                                                                                                            |
| DATA SHEET                       |  1.M2S050-FGG896.pdf<br> 2.M2S050-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-FBGA                                                                                                                                                                                                           |
| OTHER NAMES                      | 1100-1169                                                                                                                                                                                                          |
| OPERATING TEMPERATURE            | 0°C ~ 85°C (TJ)                                                                                                                                                                                                    |
| NUMBER OF I/O                    | 377                                                                                                                                                                                                                |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                      |
| 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                                                                                                                                                                        |
| BASE PART NUMBER                 | M2S050                                                                                                                                                                                                             |
| ARCHITECTURE                     | MCU, FPGA                                                                                                                                                                                                          |

Related Tags

|                                                        |                                                   |                                                         |
|--------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------|
| Microsemi M2S050-FGG896                                | M2S050-FGG896 Distributor                         | M2S050-FGG896 Supplier                                  |
| M2S050-FGG896 Price                                    | M2S050-FGG896 Pictures                            | M2S050-FGG896 Image                                     |
| M2S050-FGG896 PDF Datasheet                            | M2S050-FGG896 Download Datasheet                  | M2S050-FGG896 Datasheet                                 |
| M2S050-FGG896 Stock                                    | Buy M2S050-FGG896                                 | Buy Microsemi M2S050-FGG896                             |
| Microsemi M2S050-FGG896                                | Microsemi Supplier                                | Microsemi Distributor                                   |
| Microsemi M2S050-FGG896                                | Microsemi Analog Mixed Signal Group M2S050-FGG896 | Microsemi Analog Mixed Signal Group [MIL] M2S050-FGG896 |
| Microsemi Consumer Medical Product Group M2S050-FGG896 | Microsemi HI-REL [MIL] M2S050-FGG896              | Microsemi Power Management Group M2S050-FGG896          |
| Microsemi Power Products Group M2S050-FGG896           | Microsemi SoC M2S050-FGG896                       | Microsemi Commercial Components Group M2S050-FGG896     |
| Microsemi Corporation M2S050-FGG896                    | Microsemi Solutions Sdn Bhd. M2S050-FGG896        |                                                         |

Related Products

|                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                 |
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| <div></div> <div>M2S050-VFG400</div> <div>Manufacturers: Microsemi</div> <div>Description: IC FPGA SOC 50K LUTS 400VFBGA</div> <div>In stock: 1305 pcs</div> <div>RFQ</div> | <div></div> <div>M2S050-FGG896I</div> <div>Manufacturers: Microsemi</div> <div>Description: IC FPGA SOC 896-FBGA</div> <div>In stock: 847 pcs</div> <div>RFQ</div>           |
| <div></div> <div>M2S050-VF400I</div> <div>Manufacturers: Microsemi</div> <div>Description: IC FPGA SOC 50K LUTS 400VFBGA</div> <div>In stock: 866 pcs</div> <div>RFQ</div>  | <div></div> <div>M2S050-FG896</div> <div>Manufacturers: Microsemi</div> <div>Description: IC FPGA SOC 50K LUTS 896FBGA</div> <div>In stock: 853 pcs</div> <div>RFQ</div>     |
| <div></div> <div>M2S050-FG484</div> <div>Manufacturers: Microsemi</div> <div>Description: IC FPGA SOC 50K LUTS 484FBGA</div> <div>In stock: 1106 pcs</div> <div>RFQ</div>   | <div></div> <div>M2S050-FG484I</div> <div>Manufacturers: Microsemi</div> <div>Description: IC FPGA SOC 50K LUTS 484FBGA</div> <div>In stock: 875 pcs</div> <div>RFQ</div>    |
| <div></div> <div>M2S050-FGG484I</div> <div>Manufacturers: Microsemi</div> <div>Description: IC FPGA SOC 50K LUT 484FBGA</div> <div>In stock: 864 pcs</div> <div>RFQ</div>   | <div></div> <div>M2S050-VF400</div> <div>Manufacturers: Microsemi</div> <div>Description: IC FPGA SOC 50K LUTS 400VFBGA</div> <div>In stock: 987 pcs</div> <div>RFQ</div>    |
| <div></div> <div>M2S050-FGG484</div> <div>Manufacturers: Microsemi</div> <div>Description: IC FPGA SOC 50K LUTS 484FBGA</div> <div>In stock: 1003 pcs</div> <div>RFQ</div>  | <div></div> <div>M2S050-VFG400I</div> <div>Manufacturers: Microsemi</div> <div>Description: IC FPGA SOC 50K LUT 400VFBGA</div> <div>In stock: 886 pcs</div> <div>RFQ</div>   |
| <div></div> <div>M2S050-FG896I</div> <div>Manufacturers: Microsemi</div> <div>Description: IC FPGA SOC 50K LUTS 896FBGA</div> <div>In stock: 760 pcs</div> <div>RFQ</div>   | <div></div> <div>M2S050S-1FG484I</div> <div>Manufacturers: Microsemi</div> <div>Description: IC FPGA SOC 50K LUTS 484FBGA</div> <div>In stock: 3304 pcs</div> <div>RFQ</div> |