



M2S050-FG896

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| Part Number: | M2S050-FG896 |
| Manufacturer/Brand: | Microsemi |
| Product description: | IC FPGA SOC 50K LUTS 896FBGA |
| Datasheets: | 1.M2S050-FG896.pdf 2.M2S050-FG896.pdf |
| RoHs Status: | Contains lead / RoHS non-compliant |
| Ship From: | Hong Kong |
| Shipment Way: | DHL/Fedex/TNT/UPS/EMS |

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Image may be representation. See specifications for product details.

Specifications of M2S050-FG896

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| PART NUMBER | M2S050-FG896 |
| MANUFACTURER | Microsemi |
| DESCRIPTION | IC FPGA SOC 50K LUTS 896FBGA |
| LEAD FREE STATUS / ROHS STATUS | Contains lead / RoHS non-compliant |
| DATA SHEET | 1.M2S050-FG896.pdf 2.M2S050-FG896.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 | 0°C ~ 85°C (TJ) |
| NUMBER OF I/O | 377 |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours) |
| MANUFACTURER STANDARD LEAD TIME | 7 Weeks |
| 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, I ² C, SPI, UART/USART, USB |
| BASE PART NUMBER | M2S050 |
| ARCHITECTURE | MCU, FPGA |

Related Tags

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| Microsemi Consumer Medical Product Group M2S050-FG896 | Microsemi HI-REL [MIL] M2S050-FG896 | Microsemi Power Management Group M2S050-FG896 |
| Microsemi Power Products Group M2S050-FG896 | Microsemi SoC M2S050-FG896 | Microsemi Commercial Components Group M2S050-FG896 |
| Microsemi Corporation M2S050-FG896 | Microsemi Solutions Sdn Bhd. M2S050-FG896 | |

Related Products

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| <p>M2S050-FGG896I Manufacturers: Microsemi Description: IC FPGA SOC 896-FBGA In stock: Out stock RFQ</p> | <p>M2S050-FCS325I Manufacturers: Microsemi Description: IC FPGA SOC 50K LUTS In stock: Out stock RFQ</p> |
| <p>M2S050-FGG484 Manufacturers: Microsemi Description: IC FPGA SOC 50K LUTS 484FBGA In stock: 60 pcs RFQ</p> | <p>M2S050-FCS325 Manufacturers: Microsemi Description: IC FPGA SOC 50K LUTS In stock: Out stock RFQ</p> |
| <p>M2S050-FG484 Manufacturers: Microsemi Description: IC FPGA SOC 50K LUTS 484FBGA In stock: Out stock RFQ</p> | <p>M2S050-FG896I Manufacturers: Microsemi Description: IC FPGA SOC 50K LUTS 896FBGA In stock: Out stock RFQ</p> |
| <p>M2S050-FCSG325 Manufacturers: Microsemi Description: IC FPGA SOC 50K LUTS In stock: Out stock RFQ</p> | <p>M2S050-FCSG325I Manufacturers: Microsemi Description: IC FPGA SOC 50K LUTS In stock: Out stock RFQ</p> |
| <p>M2S050-FG484I Manufacturers: Microsemi Description: IC FPGA SOC 50K LUTS 484FBGA In stock: Out stock RFQ</p> | <p>M2S050-FGG484I Manufacturers: Microsemi Description: IC FPGA SOC 50K LUT 484FBGA In stock: 9 pcs RFQ</p> |
| <p>M2S050-FGG896 Manufacturers: Microsemi Description: IC FPGA SOC 896-FBGA In stock: Out stock RFQ</p> | <p>M2S050-VF400 Manufacturers: Microsemi Description: IC FPGA SOC 50K LUTS 400VFBGA In stock: Out stock RFQ</p> |