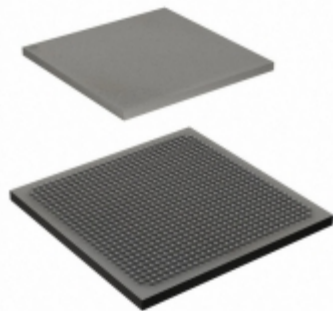


M2S050T-FG896





Part Number: [M2S050T-FG896](#)

Manufacturer: [Microsemi](#)

Description: IC SOC ENG SMPL MCU/FPGA 896FBGA

Data sheet:  [SmartFusion2 Pin Descriptions](#)
 [SmartFusion2 Datasheet](#)

RoHs Status: Contains lead / RoHS non-compliant

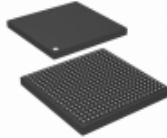
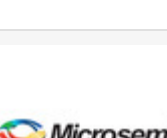
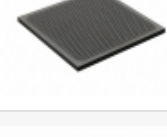
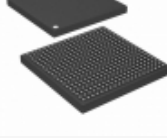
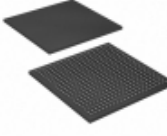
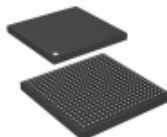
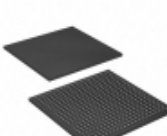
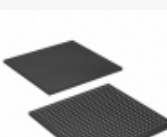
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PRODUCT PARAMETER			
Part Number	M2S050T-FG896	Manufacturer	Microsemi
Description	IC SOC ENG SMPL MCU/FPGA 896FBGA	Lead Free Status / RoHS Status	Contains lead / RoHS non-compliant
Quantity Available	4029 pcs	Data sheet	SmartFusion2 Pin Descriptions SmartFusion2 Datasheet
Category	Integrated Circuits (ICs)	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	1100-1153 M2S050T-FG896ES M2S050TFG896ES
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	M2S050	Architecture	MCU, FPGA
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	Part#: M2S050T-FCSG325I Description: IC FPGA SOC 50K LUTS	Manufacturers: Microsemi	RFQ
	Part#: M2S050T-FCS325 Description: IC FPGA SOC 50K LUTS	Manufacturers: Microsemi	RFQ
	Part#: M2S050T-FGG896I Description: IC FPGA SOC 50K LUTS	Manufacturers: Microsemi	RFQ
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	Part#: M2S050T-VF400 Description: IC FPGA SOC 50K LUTS 400VFBGA	Manufacturers: Microsemi	RFQ
	Part#: M2S050T-VFG400I Description: IC FPGA SOC 50K LUT 400VFBGA	Manufacturers: Microsemi	RFQ
	Part#: M2S050T-VFG400 Description: IC FPGA SOC 50K LUTS 400VFBGA	Manufacturers: Microsemi	RFQ
	Part#: M2S050T-FGG896 Description: IC FPGA SOC W/TXRX 896-FBGA	Manufacturers: Microsemi	RFQ
	Part#: M2S050T-1VF400 Description: IC FPGA SOC 50K LUTS 400VFBGA	Manufacturers: Microsemi	RFQ
	Part#: M2S050T-FG484I Description: IC FPGA SOC 50K LUTS 484FBGA	Manufacturers: Microsemi	RFQ
	Part#: M2S050T-1VFG400 Description: IC FPGA SOC 50K LUTS 400VFBGA	Manufacturers: Microsemi	RFQ
	Part#: M2S050T-FGG484I Description: IC FPGA SOC 50K LUT 484FBGA	Manufacturers: Microsemi	RFQ
	Part#: M2S050T-1VF400I Description: IC FPGA SOC 50K LUTS 400VFBGA	Manufacturers: Microsemi	RFQ
	Part#: M2S050T-FG484 Description: IC FPGA SOC 50K LUTS 484FBGA	Manufacturers: Microsemi	RFQ
	Part#: M2S050T-FGG484 Description: IC FPGA SOC 50K LUTS 484FBGA	Manufacturers: Microsemi	RFQ
	Part#: M2S050T-FGG896ES Description: IC SOC ENG SMPL MCU/FPGA 896FBGA	Manufacturers: Microsemi	RFQ
	Part#: M2S050T-VF400I Description: IC FPGA SOC 50K LUTS 400VFBGA	Manufacturers: Microsemi	RFQ

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