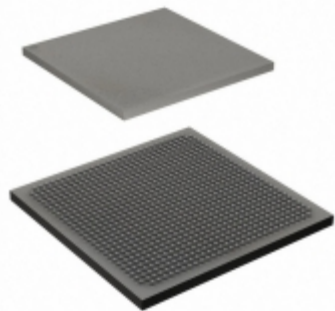


M2S050-FGG896



Part Number: [M2S050-FGG896](#)

Manufacturer: [Microsemi](#)

Description: IC FPGA SOC 896-FBGA

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

RoHs Status: Lead free / RoHS Compliant

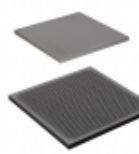
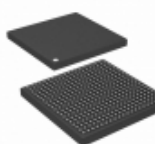
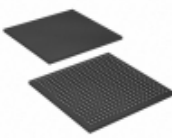
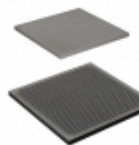
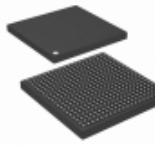
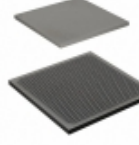
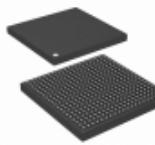
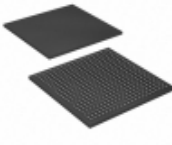
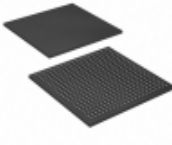
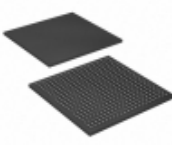
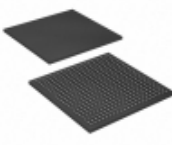
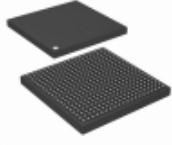
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Request For Quotation

PRODUCT PARAMETER			
Part Number	M2S050-FGG896	Manufacturer	Microsemi
Description	IC FPGA SOC 896-FBGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	1043 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	1100-1169
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	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		
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	Part#: M2S050-FG484I Description: IC FPGA SOC 50K LUTS 484FBGA	Manufacturers: Microsemi	RFQ
	Part#: M2S050-VF400 Description: IC FPGA SOC 50K LUTS 400VFBGA	Manufacturers: Microsemi	RFQ
	Part#: M2S050-FGG896I Description: IC FPGA SOC 896-FBGA	Manufacturers: Microsemi	RFQ
	Part#: M2S050-FGG484I Description: IC FPGA SOC 50K LUT 484FBGA	Manufacturers: Microsemi	RFQ
	Part#: M2S050-FCS325I Description: IC FPGA SOC 50K LUTS	Manufacturers: Microsemi	RFQ
	Part#: M2S050-FG896 Description: IC FPGA SOC 50K LUTS 896FBGA	Manufacturers: Microsemi	RFQ
	Part#: M2S050-VFG400 Description: IC FPGA SOC 50K LUTS 400VFBGA	Manufacturers: Microsemi	RFQ
	Part#: M2S050S-1FG896I Description: IC FPGA SOC 50K LUTS 896FBGA	Manufacturers: Microsemi	RFQ
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	Part#: M2S050-FGG484 Description: IC FPGA SOC 50K LUTS 484FBGA	Manufacturers: Microsemi	RFQ
	Part#: M2S050-FCS325 Description: IC FPGA SOC 50K LUTS	Manufacturers: Microsemi	RFQ
	Part#: M2S050-FCSG325 Description: IC FPGA SOC 50K LUTS	Manufacturers: Microsemi	RFQ
	Part#: M2S050-VF400I Description: IC FPGA SOC 50K LUTS 400VFBGA	Manufacturers: Microsemi	RFQ
	Part#: M2S050S-1FGG484I Description: IC FPGA SOC 50K LUTS 484FBGA	Manufacturers: Microsemi	RFQ
	Part#: M2S050S-1FG484I Description: IC FPGA SOC 50K LUTS 484FBGA	Manufacturers: Microsemi	RFQ
	Part#: M2S050-FCSG325I Description: IC FPGA SOC 50K LUTS	Manufacturers: Microsemi	RFQ
	Part#: M2S050S-1VF400I Description: IC FPGA SOC 50K LUTS 400VFBGA	Manufacturers: Microsemi	RFQ

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