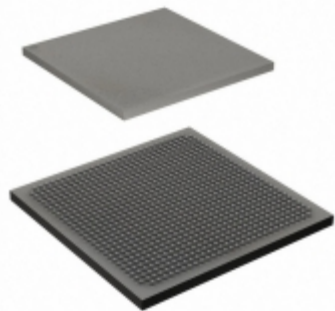


M2S050-1FG896





Part Number: [M2S050-1FG896](#)

Manufacturer: [Microsemi](#)

Description: IC FPGA SOC 50K LUTS 896FBGA

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

RoHs Status: Contains lead / RoHS non-compliant

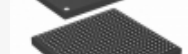
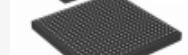
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Request For Quotation

PRODUCT PARAMETER			
Part Number	M2S050-1FG896	Manufacturer	Microsemi
Description	IC FPGA SOC 50K LUTS 896FBGA	Lead Free Status / RoHS Status	Contains lead / RoHS non-compliant
Quantity Available	772 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	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#: M2S050-1FGG484I Description: IC FPGA SOC 50K LUTS 484FBGA	Manufacturers: Microsemi	RFQ
	Part#: M2S050-1FCS325 Description: IC FPGA SOC 50K LUTS	Manufacturers: Microsemi	RFQ
	Part#: M2S050-1VFG400 Description: IC FPGA SOC 50K LUTS 400VFBGA	Manufacturers: Microsemi	RFQ
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	Part#: M2S050-1FCSG325I Description: IC FPGA SOC 50K LUTS	Manufacturers: Microsemi	RFQ
	Part#: M2S050-1FG896I Description: IC FPGA SOC 50K LUTS 400VFBGA	Manufacturers: Microsemi	RFQ
	Part#: M2S050-1VFG400I Description: IC FPGA SOC 50K LUTS 400VFBGA	Manufacturers: Microsemi	RFQ
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	Part#: M2S050-1FG484I Description: IC FPGA SOC 50K LUTS 484FBGA	Manufacturers: Microsemi	RFQ
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