

M2S050-1FGG896I



Part Number: [M2S050-1FGG896I](#)

Manufacturer: [Microsemi](#)

Description: IC FPGA SOC 50K LUTS 896FBGA

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

RoHs Status: Lead free / RoHS Compliant

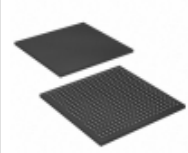
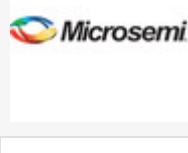
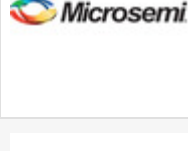
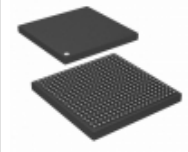
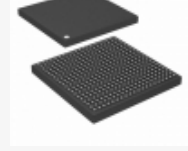
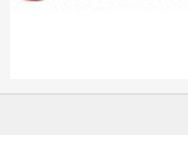
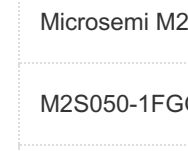
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PRODUCT PARAMETER			
Part Number	M2S050-1FGG896I	Manufacturer	Microsemi
Description	IC FPGA SOC 50K LUTS 896FBGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	762 pcs	Data sheet	SmartFusion2 Pin Descriptions SmartFusion2 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	-40°C ~ 100°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, PC, SPI, UART/USART, USB	Base Part Number	M2S050
Architecture	MCU, FPGA		
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