

M2S090-1FG676I



Part Number: [M2S090-1FG676I](#)

Manufacturer: [Microsemi](#)

Description: IC FPGA SOC 90K LUTS 676FBGA

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

RoHS Status: Contains lead / RoHS non-compliant

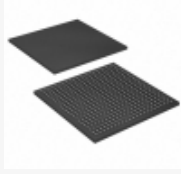
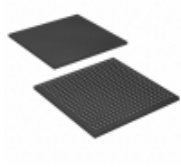
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PRODUCT PARAMETER			
Part Number	M2S090-1FG676I	Manufacturer	Microsemi
Description	IC FPGA SOC 90K LUTS 676FBGA	Lead Free Status / RoHS Status	Contains lead / RoHS non-compliant
Quantity Available	421 pcs	Data sheet	SmartFusion2 Pin Descriptions SmartFusion2 Datasheet
Category	Integrated Circuits (ICs)	Supplier Device Package	676-FBGA (27x27)
Speed	166MHz	Series	SmartFusion®2
RAM Size	64KB	Primary Attributes	FPGA - 90K Logic Modules
Peripherals	DDR, PCIe, SERDES	Packaging	Tray
Package / Case	676-BGA	Operating Temperature	-40°C ~ 100°C (TJ)
Number of I/O	425	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Lead Free Status / RoHS Status	Contains lead / RoHS non-compliant	Flash Size	512KB
Detailed Description	ARM® Cortex®-M3 System On Chip (SOC) IC SmartFusion®2 FPGA - 90K Logic Modules 512KB 64KB 166MHz 676-FBGA (27x27)	Core Processor	ARM® Cortex®-M3
Connectivity	CANbus, Ethernet, I²C, SPI, UART/USART, USB	Base Part Number	M2S090
Architecture	MCU, FPGA		
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