

M2S090T-1FGG484M



Part Number: [M2S090T-1FGG484M](#)

Manufacturer: [Microsemi](#)

Description: IC FPGA SOC 90K LUTS 484FBGA

Data sheet:  [SmartFusion2 Product Brief](#)
 [Military Grade IGL002 FPGA,SmartFusion2 SoC](#)
 [FPGA SmartFusion2 Datasheet](#)
 [M2GL0xx Product Brief](#)

RoHs Status: Lead free / RoHS Compliant

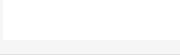
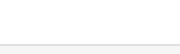
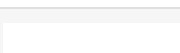
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PRODUCT PARAMETER			
Part Number	M2S090T-1FGG484M	Manufacturer	Microsemi
Description	IC FPGA SOC 90K LUTS 484FBGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	246 pcs	Data sheet	SmartFusion2 Product Brief Military Grade IGL002 FPGA,SmartFusion2 SoC FPGA SmartFusion2 Datasheet M2GL0xx Product Brief
Category	Integrated Circuits (ICs)	Supplier Device Package	484-FPBGA (23x23)
Speed	166MHz	Series	SmartFusion®2
RAM Size	64KB	Primary Attributes	FPGA - 90K Logic Modules
Peripherals	DDR, PCIe, SERDES	Packaging	Tray
Package / Case	484-BGA	Operating Temperature	-55°C ~ 125°C (TJ)
Number of I/O	267	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Lead Free Status / RoHS Status	Lead free / RoHS Compliant	Flash Size	512KB
Detailed Description	ARM® Cortex®-M3 System On Chip (SOC) IC SmartFusion®2 FPGA - 90K Logic Modules 512KB 64KB 166MHz 484-FPBGA (23x23)	Core Processor	ARM® Cortex®-M3
Connectivity	CANbus, Ethernet, I²C, SPI, UART/USART, USB	Architecture	MCU, FPGA
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	Part#: M2S090T-1FGG676 Description: IC FPGA SOC 90K LUTS 676FBGA	Manufacturers: Microsemi	RFQ
	Part#: M2S090T-1FGG484 Description: IC FPGA SOC 90K LUTS 484FBGA	Manufacturers: Microsemi	RFQ
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