

M2S010-1TQG144I



Part Number: [M2S010-1TQG144I](#)

Manufacturer: [Microsemi](#)

Description: IC FPGA SOC 10K LUTS

Data sheet:  [SmartFusion2 Pin Descriptions](#)
 [SmartFusion2 Product Brief](#)
 [IGL002 FPGA,SmartFusion2 Datasheet](#)
 [SmartFusion2 Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

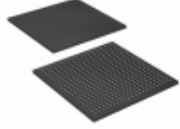
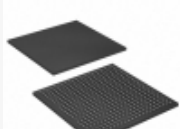
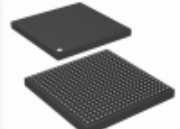
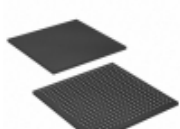
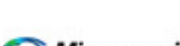
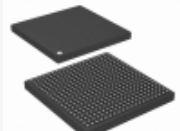
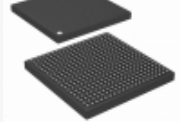
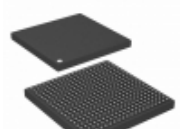
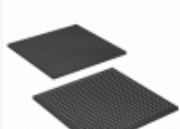
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PRODUCT PARAMETER			
Part Number	M2S010-1TQG144I	Manufacturer	Microsemi
Description	IC FPGA SOC 10K LUTS	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	2879 pcs	Data sheet	SmartFusion2 Pin Descriptions SmartFusion2 Product Brief IGL002 FPGA,SmartFusion2 Datasheet SmartFusion2 Datasheet
Category	Integrated Circuits (ICs)	Supplier Device Package	144-TQFP (20x20)
Speed	166MHz	Series	SmartFusion®2
RAM Size	64KB	Primary Attributes	FPGA - 10K Logic Modules
Peripherals	DDR, PCIe, SERDES	Packaging	Tray
Package / Case	144-LQFP	Operating Temperature	-40°C ~ 100°C (TJ)
Number of I/O	84	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 - 10K Logic Modules 256KB 64KB 166MHz 144-TQFP (20x20)	Core Processor	ARM® Cortex®-M3
Connectivity	CANbus, Ethernet, I²C, SPI, UART/USART, USB	Architecture	MCU, FPGA
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