



Microsemi



M2S010-1TQG144I

Part Number:	M2S010-1TQG144I
Manufacturer/Brand:	Microsemi
Product description	IC FPGA SOC 10K LUTS PDF 1.M2S010-1TQG144I.pdf PDF 2.M2S010-1TQG144I.pdf PDF 3.M2S010-1TQG144I.pdf PDF 4.M2S010-1TQG144I.pdf
Datasheets:	
RoHS Status	 Lead free / RoHS Compliant
Ship From	Hong Kong
Shipment Way	DHL/Fedex/TNT/UPS/EMS

REQUEST FOR QUOTATION

Image may be representation. See specifications for product details.

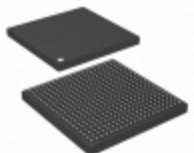
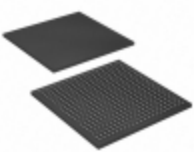
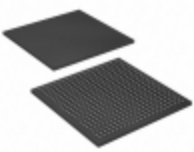
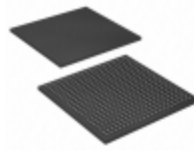
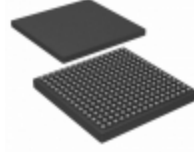
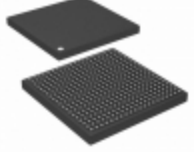
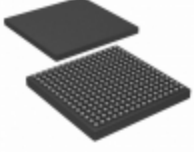
Specifications of M2S010-1TQG144I

PART NUMBER	M2S010-1TQG144I
MANUFACTURER	Microsemi
DESCRIPTION	IC FPGA SOC 10K LUTS
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
DATA SHEET	PDF 1.M2S010-1TQG144I.pdf PDF 2.M2S010-1TQG144I.pdf PDF 3.M2S010-1TQG144I.pdf PDF 4.M2S010-1TQG144I.pdf
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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Microsemi Consumer Medical Product Group M2S010-1TQG144I	Microsemi HI-REL [MIL] M2S010-1TQG144I	Microsemi Power Management Group M2S010-1TQG144I
Microsemi Power Products Group M2S010-1TQG144I	Microsemi SoC M2S010-1TQG144I	Microsemi Commercial Components Group M2S010-1TQG144I
Microsemi Corporation M2S010-1TQG144I	Microsemi Solutions Sdn Bhd. M2S010-1TQG144I	

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