



Microsemi



M2S005S-TQG144

Part Number:

Microsemi

IC FPGA SOC 5K LUTS

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2.M2S005S-TQG144.pdf

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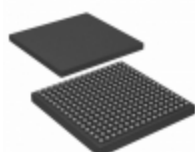
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Specifications of M2S005S-TQG144	
PART NUMBER	M2S005S-TQG144
MANUFACTURER	Microsemi
DESCRIPTION	IC FPGA SOC 5K LUTS
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
DATA SHEET	1.M2S005S-TQG144.pdf 2.M2S005S-TQG144.pdf 3.M2S005S-TQG144.pdf 4.M2S005S-TQG144.pdf
SUPPLIER DEVICE PACKAGE	144-TQFP (20x20)
SPEED	166MHz
SERIES	SmartFusion®2
RAM SIZE	64KB
PRIMARY ATTRIBUTES	FPGA - 5K Logic Modules
PERIPHERALS	DDR
PACKAGING	Tray
PACKAGE / CASE	144-LQFP
OPERATING TEMPERATURE	0°C ~ 85°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	128KB
DETAILED DESCRIPTION	ARM® Cortex®-M3 System On Chip (SOC) IC SmartFusion®2 FPGA - 5K Logic Modules 128KB 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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