



## M2S005-1VF256I

Part Number:	M2S005-1VF256I
Manufacturer/Brand:	Microsemi
Product description:	IC FPGA SOC 5K LUTS <a href="#">PDF</a> 1.M2S005-1VF256I.pdf <a href="#">PDF</a> 2.M2S005-1VF256I.pdf <a href="#">PDF</a> 3.M2S005-1VF256I.pdf <a href="#">PDF</a> 4.M2S005-1VF256I.pdf
Datasheets:	
RoHS Status:	 Contains lead / RoHS non-compliant
Ship From:	Hong Kong
Shipment Way:	DHL/Fedex/TNT/UPS/EMS

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Image may be representation. See specifications for product details.

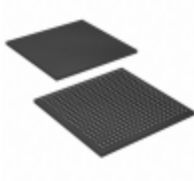
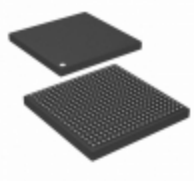

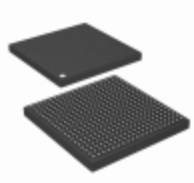
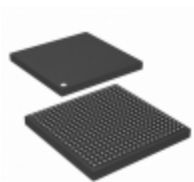
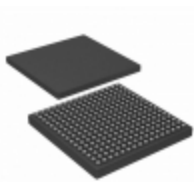
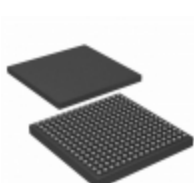



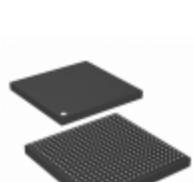

### Specifications of M2S005-1VF256I

PART NUMBER	M2S005-1VF256I
MANUFACTURER	Microsemi
DESCRIPTION	IC FPGA SOC 5K LUTS
LEAD FREE STATUS / ROHS STATUS	Contains lead / RoHS non-compliant
DATA SHEET	<a href="#">PDF</a> 1.M2S005-1VF256I.pdf <a href="#">PDF</a> 2.M2S005-1VF256I.pdf <a href="#">PDF</a> 3.M2S005-1VF256I.pdf <a href="#">PDF</a> 4.M2S005-1VF256I.pdf
SUPPLIER DEVICE PACKAGE	256-BGA (17x17)
SPEED	166MHz
SERIES	SmartFusion@2
RAM SIZE	64KB
PRIMARY ATTRIBUTES	FPGA - 5K Logic Modules
PERIPHERALS	DDR
PACKAGING	Tray
PACKAGE / CASE	256-VFBGA
OPERATING TEMPERATURE	-40°C ~ 100°C (TJ)
NUMBER OF I/O	161
MOISTURE SENSITIVITY LEVEL (MSL)	3 (168 Hours)
LEAD FREE STATUS / ROHS STATUS	Contains lead / RoHS non-compliant
FLASH SIZE	128KB
DETAILED DESCRIPTION	ARM® Cortex®-M3 System On Chip (SOC) IC SmartFusion@2 FPGA - 5K Logic Modules 128KB 64KB 166MHz 256-BGA (17x17)
CORE PROCESSOR	ARM® Cortex®-M3
CONNECTIVITY	CANbus, Ethernet, I <sup>2</sup> C, SPI, UART/USART, USB
ARCHITECTURE	MCU, FPGA

### Related Tags

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Microsemi Consumer Medical Product Group M2S005-1VF256I	Microsemi HI-REL [MIL] M2S005-1VF256I	Microsemi Power Management Group M2S005-1VF256I
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Microsemi Corporation M2S005-1VF256I	Microsemi Solutions Sdn Bhd. M2S005-1VF256I	

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 <p><b>M2S005-1FGG484I</b>                  Manufacturers: Microsemi                  Description: IC FPGA SOC 5K LUTS 484FBGA                  In stock: Out stock  <a href="#">RFQ</a></p>	 <p><b>M2S005-1VFG400I</b>                  Manufacturers: Microsemi                  Description: IC FPGA SOC 5K LUTS 400VFBGA                  In stock: Out stock  <a href="#">RFQ</a></p>
 <p><b>M2S005-1TQG144</b>                  Manufacturers: Microsemi                  Description: IC FPGA SOC 5K LUTS                  In stock: Out stock  <a href="#">RFQ</a></p>	 <p><b>M2S005-1VF400</b>                  Manufacturers: Microsemi                  Description: IC FPGA SOC 5K LUTS 400VFBGA                  In stock: Out stock  <a href="#">RFQ</a></p>
 <p><b>M2S005-1VFG400</b>                  Manufacturers: Microsemi                  Description: IC FPGA SOC 5K LUTS 400VFBGA                  In stock: Out stock  <a href="#">RFQ</a></p>	 <p><b>M2S005-1VFG256I</b>                  Manufacturers: Microsemi                  Description: IC FPGA SOC 5K LUTS                  In stock: Out stock  <a href="#">RFQ</a></p>
 <p><b>M2S005-1VFG256</b>                  Manufacturers: Microsemi                  Description: IC FPGA SOC 5K LUTS                  In stock: Out stock  <a href="#">RFQ</a></p>	 <p><b>M2S005-1TQG144I</b>                  Manufacturers: Microsemi                  Description: IC FPGA SOC 5K LUTS                  In stock: Out stock  <a href="#">RFQ</a></p>
 <p><b>M2S005-1VF256</b>                  Manufacturers: Microsemi                  Description: IC FPGA SOC 5K LUTS                  In stock: Out stock  <a href="#">RFQ</a></p>	 <p><b>M2S005-1TQ144</b>                  Manufacturers: Microsemi                  Description: IC FPGA SOC 5K LUTS                  In stock: Out stock  <a href="#">RFQ</a></p>
 <p><b>M2S005-1VF400I</b>                  Manufacturers: Microsemi                  Description: IC FPGA SOC 5K LUTS 400VFBGA                  In stock: Out stock  <a href="#">RFQ</a></p>	 <p><b>M2S005-1TQ144I</b>                  Manufacturers: Microsemi                  Description: IC FPGA SOC 5K LUTS                  In stock: Out stock  <a href="#">RFQ</a></p>