

M2S005S-1VFG256T2



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Part Number: [M2S005S-1VFG256T2](#)

Manufacturer: [Microsemi](#)

Description: IC FPGA SOC

Data sheet:
 [SmartFusion2 Pin Descriptions](#)
 [SmartFusion2 Product Brief](#)
 [SmartFusion2 Automotive Grade 2 Brief](#)
 [Automotive Product Selector Guide](#)
 [IGL002 FPGA,SmartFusion2 Datasheet](#)
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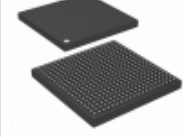
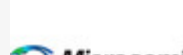
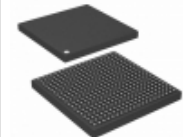
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PRODUCT PARAMETER			
Part Number	M2S005S-1VFG256T2	Manufacturer	Microsemi
Description	IC FPGA SOC	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	3452 pcs	Data sheet	SmartFusion2 Pin Descriptions SmartFusion2 Product Brief SmartFusion2 Autosotive Grade 2 Brief Automotive Product Selector Guide IGL002 FPGA,SmartFusion2 Datasheet SmartFusion2 Datasheet M2GL0xx Product Brief SmartFusion2 SOC IGL002 FPGA
Category	Integrated Circuits (ICs)	Supplier Device Package	Automotive Grade 2 Da 256-FPBGA (17x17)
Speed	166MHz	Series	Automotive, AEC-Q100, SmartFusion@2
RAM Size	64KB	Primary Attributes	FPGA - 5K Logic Modules
Peripherals	DDR	Packaging	Tray
Package / Case	256-LBGA	Operating Temperature	-40°C ~ 125°C (TJ)
Number of I/O	161	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 Automotive, AEC-Q100, SmartFusion@2 FPGA - 5K Logic Modules 128KB 64KB 166MHz 256-FPBGA (17x17)	Core Processor	ARM® Cortex®-M3
Connectivity	CANbus, Ethernet, I²C, SPI, UART/USART, USB	Architecture	MCU, FPGA
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