

A2F500M3G-1FG256M



Part Number: [A2F500M3G-1FG256M](#)

Manufacturer: [Microsemi](#)

Description: IC FPGA 500K GATES 512KB 256FBGA

Data sheet:  [Military Grade SmartFusion \(cSoC\)](#)

RoHs Status: Contains lead / RoHS non-compliant

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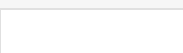
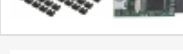
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PRODUCT PARAMETER				
Part Number	A2F500M3G-1FG256M	Manufacturer	Microsemi	
Description	IC FPGA 500K GATES 512KB 256FBGA	Lead Free Status / RoHS Status	Contains lead / RoHS non-compliant	
Quantity Available	4376 pcs	Data sheet	Military Grade SmartFusion (cSoC)	
Category	Integrated Circuits (ICs)	Supplier Device Package	256-FPBGA (17x17)	
Speed	100MHz	Series	SmartFusion®	
RAM Size	64KB	Primary Attributes	ProASIC®3 FPGA, 500K Gates, 11520 D-Flip-Flops	
Peripherals	DMA, POR, WDT	Packaging	Tray	
Package / Case	256-LBGA	Operating Temperature	-55°C ~ 125°C (TJ)	
Number of I/O	MCU - 25, FPGA - 66	Moisture Sensitivity Level (MSL)	3 (168 Hours)	
Lead Free Status / RoHS Status	Contains lead / RoHS non-compliant	Flash Size	512KB	
Detailed Description	ARM® Cortex®-M3 System On Chip (SOC) IC SmartFusion® ProASIC®3 FPGA, 500K Gates, 11520 D-Flip-Flops 512KB 64KB 100MHz 256-FPBGA (17x17)		Core Processor	ARM® Cortex®-M3
Connectivity	EBI/EMI, Ethernet, I²C, SPI, UART/USART		Base Part Number	A2F500M3G
Architecture	MCU, FPGA			

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	Part#: A2F500M3G-1FGG256M Description: IC FPGA 500K GATES 512KB 256FBGA	Manufacturers: Microsemi	RFQ
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