

A2F500M3G-FGG256M



Part Number: [A2F500M3G-FGG256M](#)

Manufacturer: [Microsemi](#)

Description: IC FPGA 500K GATES 512KB 256FBGA

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

RoHs Status: Lead free / RoHS Compliant

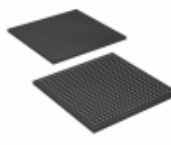
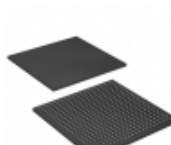
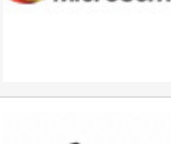
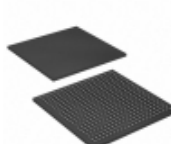
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PRODUCT PARAMETER			
Part Number	A2F500M3G-FGG256M	Manufacturer	Microsemi
Description	IC FPGA 500K GATES 512KB 256FBGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	4630 pcs	Data sheet	Military Grade SmartFusion (cSoC)
Category	Integrated Circuits (ICs)	Supplier Device Package	256-FBGA (17x17)
Speed	80MHz	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	Lead free / RoHS 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 80MHz 256-FBGA (17x17)		
Connectivity	EBI/EMI, Ethernet, I²C, SPI, UART/USART	Core Processor	ARM® Cortex®-M3
Architecture	MCU, FPGA	Base Part Number	A2F500M3G
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