

A2F500M3G-FG256I Datasheet



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DiGi Electronics Part Number	A2F500M3G-FG256I-DG
Manufacturer	Microchip Technology
Manufacturer Product Number	A2F500M3G-FG256I
Description	IC SOC CORTEX-M3 80MHZ 256FBGA
Detailed Description	ARM® Cortex®-M3 System On Chip (SOC) IC SmartFusion® ProASIC®3 FPGA, 500K Gates, 11520 D-Flip-Flops 80MHz 256-FPGA (17x17)

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Purchase and inquiry

Manufacturer Product Number:

A2F500M3G-FG256I

Series:

SmartFusion®

Architecture:

MCU, FPGA

Flash Size:

512KB

Peripherals:

DMA, POR, WDT

Speed:

80MHz

Operating Temperature:

-40°C ~ 100°C (TJ)

Supplier Device Package:

256-FPBGA (17x17)

Base Product Number:

A2F500

Manufacturer:

Microchip Technology

Product Status:

Active

Core Processor:

ARM® Cortex®-M3

RAM Size:

64KB

Connectivity:

EBI/EMI, Ethernet, I2C, SPI, UART/USART

Primary Attributes:

ProASIC®3 FPGA, 500K Gates, 11520 D-Flip-Flops

Package / Case:

256-LBGA

Number of I/O:

MCU - 25, FPGA - 66

Environmental & Export classification

RoHS Status:

RoHS non-compliant

REACH Status:

REACH Unaffected

HTSUS:

8542.39.0001

Moisture Sensitivity Level (MSL):

3 (168 Hours)

ECCN:

3A991D

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