

# A2F500M3G-CS288 Datasheet



DiGi Electronics Part Number	A2F500M3G-CS288-DG
Manufacturer	<a href="#">Microchip Technology</a>
Manufacturer Product Number	A2F500M3G-CS288
Description	IC SOC CORTEX-M3 80MHZ 288CSP
Detailed Description	ARM® Cortex®-M3 System On Chip (SOC) IC SmartFusion® ProASIC®3 FPGA, 500K Gates, 11520 D-Flip-Flops 80MHz 288-CSP (11x11)

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## Purchase and inquiry

### Manufacturer Product Number:

A2F500M3G-CS288

### Series:

SmartFusion®

### Architecture:

MCU, FPGA

### Flash Size:

512KB

### Peripherals:

DMA, POR, WDT

### Speed:

80MHz

### Operating Temperature:

0°C ~ 85°C (TJ)

### Supplier Device Package:

288-CSP (11x11)

### 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:

288-TFBGA, CSPBGA

### Number of I/O:

MCU - 31, FPGA - 78

## 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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