

# M2S050-FGG896I Datasheet



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|                              |  |
|------------------------------|--|
| DiGi Electronics Part Number | M2S050-FGG896I-DG  |
| Manufacturer                 | <a href="#">Microchip Technology</a>   |
| Manufacturer Product Number  | M2S050-FGG896I   |
| Description                  | IC SOC CORTEX-M3 166MHZ 896FBGA  |
| Detailed Description         | ARM® Cortex®-M3 System On Chip (SOC) IC SmartFusion®2 FPGA - 50K Logic Modules 166MHz 896-FBGA (31x31) |

This model M2S050-FGG896I is available at DiGi Electronics.

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## Purchase and inquiry

**Manufacturer Product Number:**

M2S050-FGG896I

**Series:**

SmartFusion®2

**Architecture:**

MCU, FPGA

**Flash Size:**

256KB

**Peripherals:**

DDR, PCIe, SERDES

**Speed:**

166MHz

**Operating Temperature:**

-40°C ~ 100°C (TJ)

**Supplier Device Package:**

896-FBGA (31x31)

**Base Product Number:**

M2S050

**Manufacturer:**

Microchip Technology

**Product Status:**

Active

**Core Processor:**

ARM® Cortex®-M3

**RAM Size:**

64KB

**Connectivity:**

CANbus, Ethernet, I2C, SPI, UART/USART, USB

**Primary Attributes:**

FPGA - 50K Logic Modules

**Package / Case:**

896-BGA

**Number of I/O:**

377

## Environmental & Export classification

**RoHS Status:**

ROHS3 Compliant

**REACH Status:**

REACH Unaffected

**HTSUS:**

8542.39.0001

**Moisture Sensitivity Level (MSL):**

3 (168 Hours)

**ECCN:**

3A991D

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