

# M2S090-FGG484I Datasheet



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|                              |                                                                                                                 |
|------------------------------|-----------------------------------------------------------------------------------------------------------------|
| DiGi Electronics Part Number | M2S090-FGG484I-DG                                                                                               |
| Manufacturer                 | <a href="#">Microchip Technology</a>                                                                            |
| Manufacturer Product Number  | M2S090-FGG484I                                                                                                  |
| Description                  | IC SOC CORTEX-M3 166MHZ 484FBGA                                                                                 |
| Detailed Description         | ARM® Cortex®-M3 System On Chip (SOC) IC SmartFu<br>sion®2 FPGA - 90K Logic Modules 166MHz 484-FPBG<br>A (23x23) |

This model M2S090-FGG484I is available at DiGi Electronics.

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## Purchase and inquiry

**Manufacturer Product Number:**

M2S090-FGG484I

**Series:**

SmartFusion®2

**Architecture:**

MCU, FPGA

**Flash Size:**

512KB

**Peripherals:**

DDR, PCIe, SERDES

**Speed:**

166MHz

**Operating Temperature:**

-40°C ~ 100°C (TJ)

**Supplier Device Package:**

484-FPBGA (23x23)

**Base Product Number:**

M2S090

**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 - 90K Logic Modules

**Package / Case:**

484-BGA

**Number of I/O:**

267

## 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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