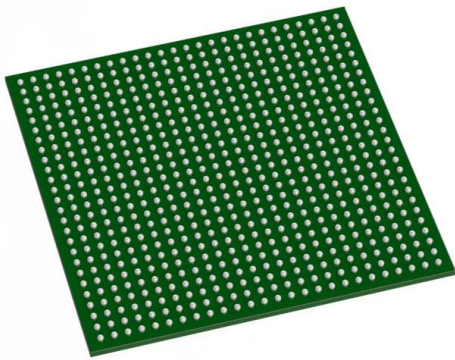


# M2S090TS-1FG676 Datasheet

[www.digi-electronics.com](http://www.digi-electronics.com)



<https://www.DiGi-Electronics.com>

DiGi Electronics Part Number	M2S090TS-1FG676-DG
Manufacturer	<a href="#">Microchip Technology</a>
Manufacturer Product Number	M2S090TS-1FG676
Description	IC SOC CORTEX-M3 166MHZ 676FBGA
Detailed Description	ARM® Cortex®-M3 System On Chip (SOC) IC SmartFusion®2 FPGA - 90K Logic Modules 166MHz 676-FBGA (27x27)

This model M2S090TS-1FG676 is available at DiGi Electronics.

DiGi Electronics offers a global database of semiconductor and electronic component datasheets.

We welcome your inquiries regarding pricing, lead time, or other product-related questions.

 [Request a Quote](#)

 [Datasheet Search](#)



Tel: +00 852-30501935

RFQ Email: [Info@DiGi-Electronics.com](mailto:Info@DiGi-Electronics.com)

DiGi is a global authorized distributor of electronic components.

## Purchase and inquiry

**Manufacturer Product Number:**

M2S090TS-1FG676

**Series:**

SmartFusion®2

**Architecture:**

MCU, FPGA

**Flash Size:**

512KB

**Peripherals:**

DDR, PCIe, SERDES

**Speed:**

166MHz

**Operating Temperature:**

0°C ~ 85°C (TJ)

**Supplier Device Package:**

676-FBGA (27x27)

**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:**

676-BGA

**Number of I/O:**

425

## 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

## OUR CERTIFICATE

DiGi provide top-quality products and perfect service for customer worldwide through standardization, technological innovation and continuous improvement. DiGi through third-party certification, we stricly control the quality of products and services. Welcome your RFQ to

Email: [Info@DiGi-Electronics.com](mailto:Info@DiGi-Electronics.com)



Tel: +00 852-30501935

RFQ Email: [Info@DiGi-Electronics.com](mailto:Info@DiGi-Electronics.com)

DiGi is a global authorized distributor of electronic components.