

M2S090S-1FGG676I Information


For Reference Only

Part Number [M2S090S-1FGG676I](#)
Manufacturer Microsemi Corporation
Category Integrated Circuits (ICs)
[Embedded - System On Chip \(SoC\)](#)
Description IC FPGA SOC 90K LUTS 676FBGA
Package 676-BGA
 For the pricing/inventory/lead time, please contact us
 Website: <https://www.heisener.com>
 E-mail: salesdept@heisener.com



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Certified Quality

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.


M2S090S-1FGG676I Specifications

| | |
|--------------------------|--|
| Manufacturer Part Number | M2S090S-1FGG676I |
| Manufacturer | Microsemi Corporation |
| Category | Integrated Circuits (ICs) Embedded - System On Chip (SoC) |
| Package | 676-BGA |
| Series | SmartFusion?2 |
| Architecture | MCU, FPGA |
| Core Processor | ARM? Cortex?-M3 |
| Flash Size | 512KB |
| RAM Size | 64KB |
| Peripherals | DDR, PCIe, SERDES |
| Connectivity | CAN, Ethernet, I2C, SPI, UART/USART, USB |
| Speed | 166MHz |
| Primary Attributes | FPGA - 90K Logic Modules |
| Operating Temperature | -40°C ~ 100°C (TJ) |
| Package / Case | 676-BGA |
| Supplier Device Package | 676-FBGA (27x27) |

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M2S090S-1FGG676I Guarantees



Quality Guarantees

We provide 90 days warranty. *

If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



Service Guarantees

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

M2S090S-1FGG676I Payment Methods



M2S090S-1FGG676I Shipping Methods



If you have any question about M2S090S-1FGG676I, please do not hesitate to contact us!

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