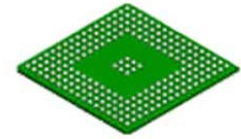


FPGA IGLOO®2 Family 86316 Cells 1.2V 484-Pin FBGA Tray



Images are for reference only

[Inquiry](#)

Manufacturer: [Microchip Technology, Inc](#)

Package/Case: PBGA-484

Product Type: Programmable Logic ICs

Lifecycle: Active

General Description

These flash FPGA devices are ideal for general purpose functions such as Gigabit Ethernet or dual PCI Express control planes, bridging functions, input/output (I/O) expansion and conversion, video/image processing, system management and secure connectivity. Microchip FPGAs are used by customers in Communications, Industrial, Medical, Defense, and Aviation markets.

More Resources in Low Density Devices

- ARM Cortex-M3 Processor with embedded flash
- Comprehensive microcontroller subsystem
- PCIe Gen2 support

With Clear Advantages

- Lowest Power
 - Reduce total power by ~20-40%
 - 70mW per 5G SERDES (PCIe Gen2)
- Proven Security
 - Protection from Overbuilding and Cloning
 - Secure Boot for FPGA & Processors
- Exceptional Reliability
 - SEU immune Zero FIT Flash FPGA Configuration
 - Reliability safety critical and mission critical systems

Key Features

86K logic elements

84 Math blocks (18x18)

AES256, SHA256, RNG

ECC, PUF

6 PLLs and CCCs

2586K bits RAM

1 DDR Controller - LPDDR/DDR2/3

4 SERDES Lanes

2 PCIe End Points

Offers design security

Temperature - Commercial, Industrial, Automotive (T2), Military

Recommended For You

M2GL090T-1FG484M

Microchip Technology, Inc
PBGA484

M2GL005-VFG256I

Microchip Technology, Inc
LFBGA256

M2GL010-TQG144I

Microchip Technology, Inc
TQFP-144

M2GL010T-VFG256I

Microchip Technology, Inc
256-LFBGA

M2GL090TS-1FG484M

Microchip Technology, Inc
PBGA484

M2GL025-FGG484

Microchip Technology, Inc
BGA

M2GL005-TQG144I

Microchip Technology, Inc
TQFP144

M2GL005-TQG144

Microchip Technology, Inc
BGA

M2GL005-VF256I

Microchip Technology, Inc
LFBGA-256

M2GL005-VFG256

Microchip Technology, Inc
256-LFBGA

M2GL025-VFG400

Microchip Technology, Inc
400-LFBGA

M2GL025-FGG484I

Microchip Technology, Inc
484-BGA

M2GL025-VFG400I

Microchip Technology, Inc
400-LFBGA

M2GL005S-1VFG256I2

Microchip Technology, Inc
LFBGA-256

M2GL090-FGG484I

Microchip Technology, Inc
484-FBGA23x23