

## FPGA IGLOO®2 Family 27696 Cells 1.2V 484-Pin FBGA Tray



Images are for reference only

[Inquiry](#)

**Manufacturer:** [Microchip Technology, Inc](#)

**Package/Case:** BGA

**Product Type:** Programmable Logic ICs

**RoHS:** RoHS Compliant/Lead free 

**Lifecycle:** Active

### General Description

These flash FPGA devices are ideal for general purpose functions such as bridging functions, input/output (I/O) expansion and conversion, 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

With Clear Advantages

- Lowest Power
  - Reduce total power by ~20-40%
- Proven Security
  - Protection from Overbuilding and Cloning
- Exceptional Reliability
  - SEU immune Zero FIT Flash FPGA Configuration
  - Reliability safety critical and mission critical systems

### Key Features

27.6K logic elements

34 Math blocks (18x18)

6 PLLs and CCCs

1104K bits RAM

DDR Controller - LPDDR/DDR2/3

Offers design security

Temperature - Commercial, Industrial Automotive (T1)

## Recommended For You

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### **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-1FG484I**

Microchip Technology, Inc  
PBGA-484

### **M2GL090TS-1FG484M**

Microchip Technology, Inc  
PBGA484

### **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-1VFG256T2**

Microchip Technology, Inc  
LFBGA-256

### **M2GL090-FGG484I**

Microchip Technology, Inc  
484-FBGA23x23