

**FPGA 42MX Family 14K Gates 336 Cells 129MHz/215MHz 0.45um
Technology 3.3V/5V 84-Pin PLCC Box**



Manufacturer: [Microchip Technology, Inc](http://www.microchip.com)

Package/Case: PLCC84

Product Type: Programmable Logic ICs

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

Images are for reference only

[Inquiry](#)

General Description

MX FPGAs offer designers a reliable, single-chip ASIC alternative. Providing an efficient, flexible 5.0 V architecture, MX is an ideal platform for integrating your legacy PLDs into a single, low-cost device. MX is a high-volume platform that enables solutions without compromising on cost and time.

Key Features

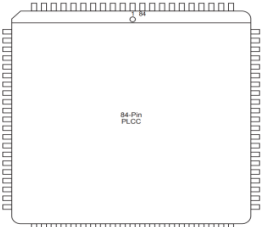
- 250 MHz Performance
- High-performance mixed-voltage solution
- PCI compliant
- Contains embedded dual-port SRAM modules

Key Features

14K system gates

2 Clocks

Temperature - Commercial, Industrial, Automotive, Military



PL84				
Pin Number	A42MX84 Function	A42MX09 Function	A42MX16 Function	A42MX24 Function
1	IO	IO	IO	IO
2	IO	CLKB, IO	CLKB, IO	CLKB, IO
3	IO	IO	IO	IO
4	VCC	PRB, IO	PRB, IO	PRB, IO
5	IO	IO	IO	WD, IO
6	IO	GND	GND	GND
7	IO	IO	IO	IO
8	IO	IO	IO	WD, IO
9	IO	IO	IO	WD, IO
10	IO	DCLK, IO	DCLK, IO	DCLK, IO
11	IO	IO	IO	IO
12	NC	MODE	MODE	MODE
13	IO	IO	IO	IO
14	IO	IO	IO	IO
15	IO	IO	IO	IO
16	IO	IO	IO	IO
17	IO	IO	IO	IO
18	GND	IO	IO	IO
19	GND	IO	IO	IO
20	IO	IO	IO	IO
21	IO	IO	IO	IO
22	IO	VCCA	VCCI	VCCI
23	IO	VCCI	VCCA	VCCA
24	IO	IO	IO	IO
25	VCC	IO	IO	IO
26	VCC	IO	IO	IO
27	IO	IO	IO	IO
28	IO	GND	GND	GND
29	IO	IO	IO	IO
30	IO	IO	IO	IO
31	IO	IO	IO	IO
32	IO	IO	IO	IO
33	VCC	IO	IO	IO
34	IO	IO	IO	TMS, IO
35	IO	IO	IO	TDI, IO
36	IO	IO	IO	WD, IO
37	IO	IO	IO	IO
38	IO	IO	IO	WD, IO
39	IO	IO	IO	WD, IO
40	GND	IO	IO	IO
41	IO	IO	IO	IO
42	IO	IO	IO	IO
43	IO	VCCA	VCCA	VCCA
44	IO	IO	IO	WD, IO
45	IO	IO	IO	WD, IO
46	VCC	IO	IO	WD, IO

Recommended For You

A42MX16-FPLG84

Microchip Technology, Inc
PLCC

A40MX02-PL44I

Microchip Technology, Inc
PLCC44

A42MX16-PLG84

Microchip Technology, Inc
PLCC

A42MX09-PLG84

Microchip Technology, Inc
PLCC84

A42MX16-FPQG100

Microchip Technology, Inc
QFP100

A40MX04-PL68I

Microchip Technology, Inc
PLCC68

A40MX04-PL68

Microchip Technology, Inc
PLCC

APA450-PQG208I

Microchip Technology, Inc
QFP

A42MX16-VQG100I

Microchip Technology, Inc
QFP100

A42MX09-PL84I

Microchip Technology, Inc
PLCC84

A40MX04-PLG84I

Microchip Technology, Inc
PLCC84

A40MX04-FPL68

Microchip Technology, Inc
PLCC68

A40MX04-PLG44I

Microchip Technology, Inc
PLCC44

A40MX02-PQG100M

Microchip Technology, Inc
PQFP-100

A40MX04-PLG44

Microchip Technology, Inc
PLCC44