



UP003101-0402

Product Update

Update to Z86C61 CMOS Z8
MCU Product Specification

INTRODUCTION

This Product Update to the Z86C61/62/96 Product Specification number PS003501-0301 adds the 44-Pin QFP pin configuration, pin identification, and packaging information.

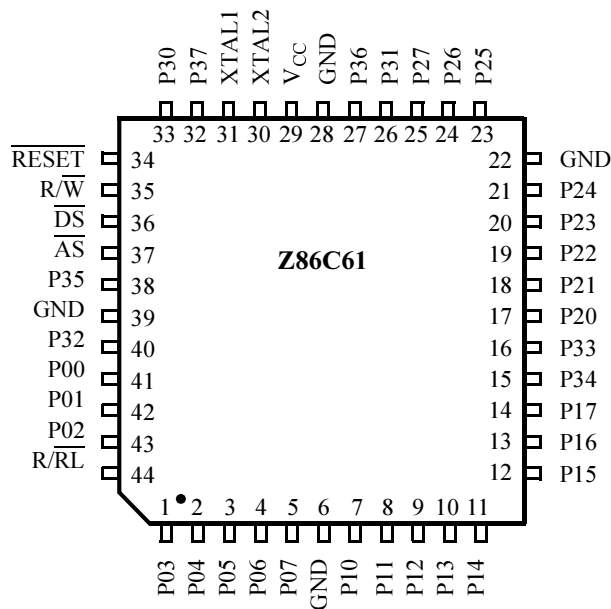


Figure 1. 44-Pin QFP Pin Configuration

Table 1. 44-Pin QFP Pin Identification

Pin #	Symbol	Function	Direction
1-5	P03-P07	Port 0, Bits 3-7	Input/Output
6	GND	Ground	Input
7-11	P10-P14	Port 1, Bits 0-4	Input/Output



Table 1. 44-Pin QFP Pin Identification (Continued)

Pin #	Symbol	Function	Direction
12-14	P15-P17	Port 1, Bits5-7	Input/Output
15	P34	Port 3, Bit 4	Output
16	P33	Port 3, Bit 3	Input
17-21	P20-P24	Port 2, Bits 0-4	Input/Output
22	GND	Ground	Input
23-25	P25-P27	Port 2, Bits 5-7	Input/Output
26	P31	Port 3, Bit 1	Input
27	P36	Port 3, Bit 6	Output
28	GND	Ground	Input
29	V _{CC}	Power Supply	Input
30	XTAL2	Crystal, Oscillator Clock	Output
31	XTAL1	Crystal, Oscillator Clock	Input
32	P37	Port 3, Bit 7	Output
33	P30	Port 3, Bit 0	Input
34	$\overline{\text{RESET}}$	Reset	Input
35	$\overline{\text{R/W}}$	READ/WRITE	Output
36	$\overline{\text{DS}}$	Data Strobe	Output
37	$\overline{\text{AS}}$	Address Strobe	Output
38	$\overline{\text{P35}}$	Port 3, Bit 5	Output
39	GND	Ground	Input

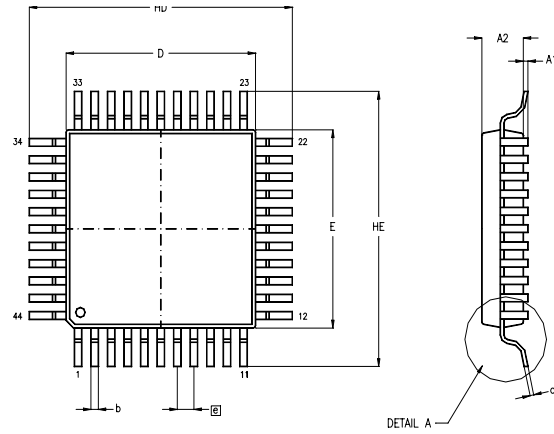


Table 1. 44-Pin QFP Pin Identification (Continued)

Pin #	Symbol	Function	Direction
40	P32	Port 3, Bit 2	Input
41-43	P00-P02	Port 0, Bits 0-2	Input/Output
44	R/RL	ROM/ROMless Control	Input

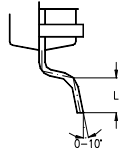


PACKAGING



SYMBOL	MILLIMETER		INCH	
	MIN	MAX	MIN	MAX
A1	0.05	0.25	.002	.010
A2	2.00	2.25	.078	.089
b	0.25	0.45	.010	.018
c	0.13	0.20	.005	.008
HD	13.70	14.15	.539	.557
D	9.90	10.10	.390	.398
HE	13.70	14.15	.539	.557
E	9.90	10.10	.390	.398
□	0.80 BSC		.0315 BSC	
L	0.60	1.20	.024	.047

NOTES:
 1. CONTROLLING DIMENSIONS : MILLIMETER
 2. LEAD COPLANARITY : MAX .10
 .004*



DETAIL A

Figure 2. 44-Pin QFP Packaging



Ordering Information

Table 2. Ordering Information

Size	Pin Count	Package	Order Number
16KB	44	QFP	Z86C6116FEC
	44	QFP	Z86C6116FSC

For fast results, contact your local ZiLOG sale office for assistance in ordering the part(s) desired.

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