

PA17C42-PD(Z) Data Sheet

44 pin PLCC socket/40 pin DIP 0.6" plug

Supported Device/Footprints

This adapter allows programming of Microchip's PIC17C42, '43 & '44 in the 44 pin PLCC package on 40 pin DIP programmers.

Device			Footprint	
Mfgr	Device	Package	Device	Plug
Microchip	PIC17C42	44 PLCC	PIC17C42	40 Pin DIP
"	PIC17C42A	"	PIC17C42A	"
"	PIC17C43	"	PIC17C43	"
"	PIC17C44	"	PIC17C44	"

Adapter Parts & Part Numbers

The following chart shows the various socket and board part numbers that make up these adapters.

Adapter	Test Socket	Circuit Board
PA17C42-PD	44-306	P42-PD
PA17C42-PDZ	44-400	P42-PZD

Adapter Wiring

The following chart shows the connections from the PLCC device to the adapter's DIP plug.

PLCC	SIGNAL	DIP	DIP	SIGNAL	PLCC
1	Vdd	1	1	Vdd	44
2	-	N/C	40	RD0/AD8	43
3	RC0/AD0	2	39	RD1/AD9	42
4	RC1/AD1	3	38	RD2/AD10	41
5	RC2/AD2	4	37	RD3/AD11	40
6	RC3/AD3	5	36	RD4/AD12	39
7	RC4/AD4	6	35	RD5/AD13	38
8	RC5/AD5	7	34	RD6/AD14	37
9	RC6/AD6	8	33	RD7/AD15	36
10	RC7/AD7	9	32	MCLR/Vpp	35
11	Vss	10	31	Vss	34
12	Vss	10	31	Vss	33
13	RB0/CAP1	11	30	RE0/ALE	32
14	RB1/CAP2	12	29	RE1/OE	31
15	RB2/PWM1	13	28	RE2/WR	30
16	RB3/PWM2	14	27	TEST	29
17	RB4/TCLK12	15	26	RA0/INT	28
18	RB5/TCLK3	16	25	RA1/RT	27
19	RB6	17	24	RA2	26
20	RB7	18	23	RA3	25
21	OSC1	19	22	RA4/RX/DT	24
22	OSC2/CLKOUT	20	21	RA5/TX/CK	23

Adapter Construction

The adapter is made up of 2 sub-assemblies. They assemble via connectors making the adapter modular. This way the sub-assemblies can be replaced when they wear out.

When disassembling the adapter take care not to bend the pins. When reassembling the adapter note the pin 1 indicators to align the parts correctly.

Test Socket

PLCC Auto-Eject test socket:

Yamaichi Part #: IC120-0444-306 LSC Part #: 44-306

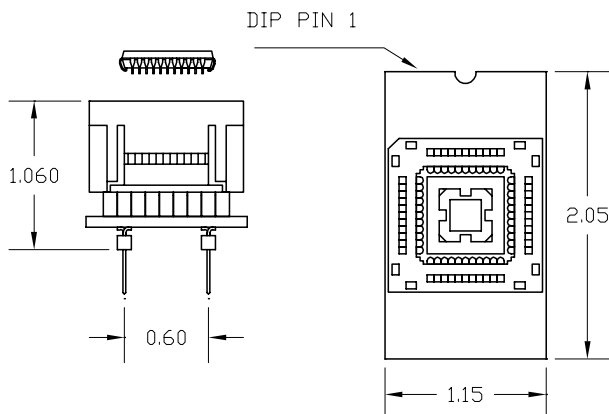
ZIF Lidded socket:

Yamaichi Part #: IC51-0444-400 LSC Part #: 44-400

PA42-P(Z)D

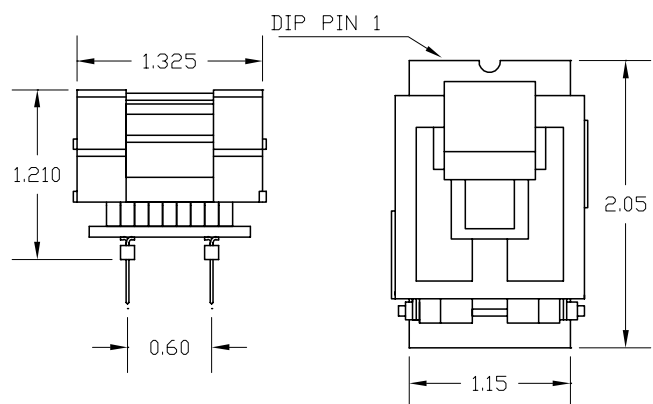
Accepts the test socket and remaps the signals to the DIP plug.

Adapter Dimensions



Press rim to open socket, Press device to close

PA17C42-PD



PA17C42-PZD

LOGICAL

Logical Systems Corporation
PO Box 6184, Syracuse, NY 13217-6184 USA
Tel (315) 478-0722, FAX (315) 479-6753
S Y S T E M S www.logicals.com, Email: info@logicals.com

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