

# 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.

| Mfg       | Device    |         | Footprint |            |
|-----------|-----------|---------|-----------|------------|
|           | 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

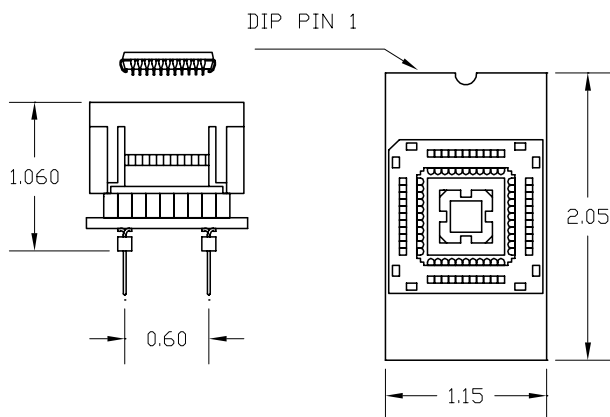
ZIF Lidded socket:

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

### PA42-P(Z)D

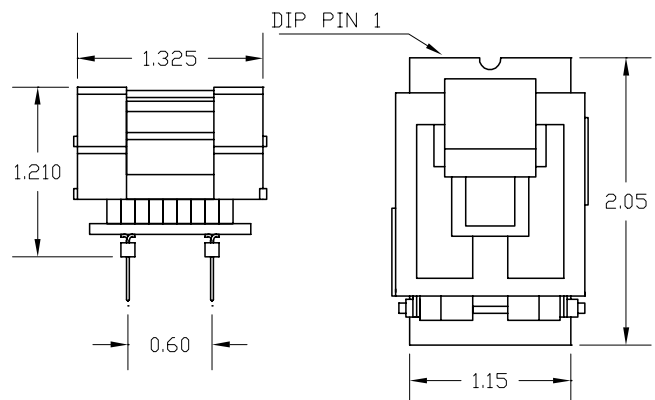
Accepts the test socket and remaps the signals to the DIP plug.

## Adapter Dimensions



Press rim to open socket, Press device to close

PA17C42-PD



PA17C42-PZD



2173 Salk Ave STE 250  
Carlsbad, CA 92008



www.adapt-plus.com  
sales@adapt-plus.com



P:209 839 0200  
F:209 839 0235