

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.

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

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

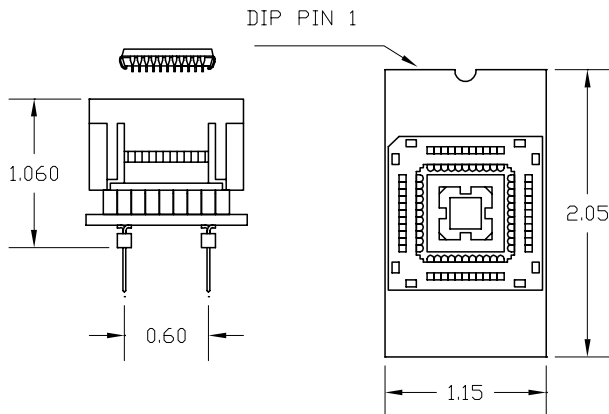
ZIF Lidded socket:

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

PA42-P(Z)D

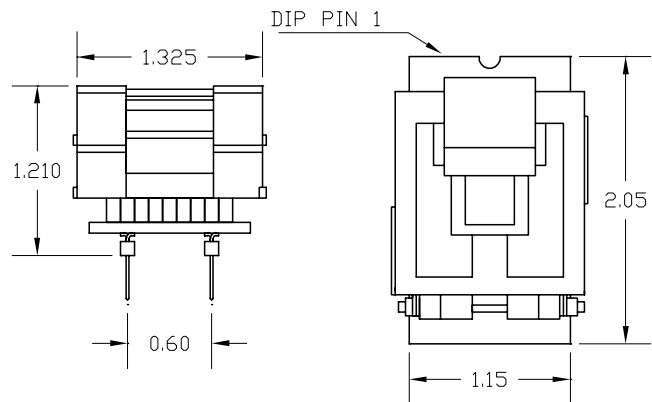
Accepts the test socket and remaps the signals to the DIP plug.

Adapter Dimensions



Press rim to open socket, Press device to close

PA17C42-PD



PA17C42-PZD

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-PZD | 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 |