

# PA44-40-P64(Z) Data Sheet

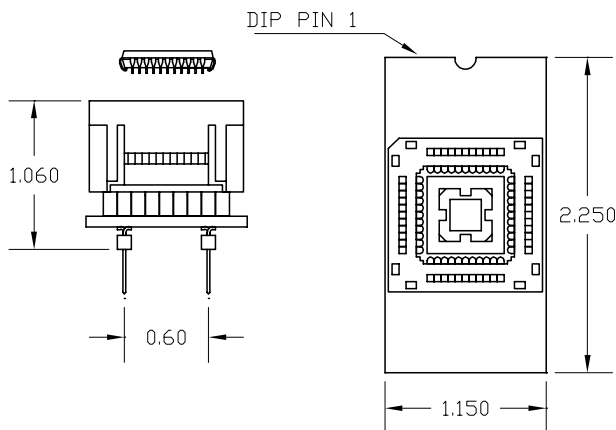
44 pin PLCC socket/40 pin DIP 0.6" plug

## Supported Device/Footprints

Using this adapter, the Microchip PIC16C64 in either PLCC or CLCC package can be programmed on 40 pin DIP programmers.

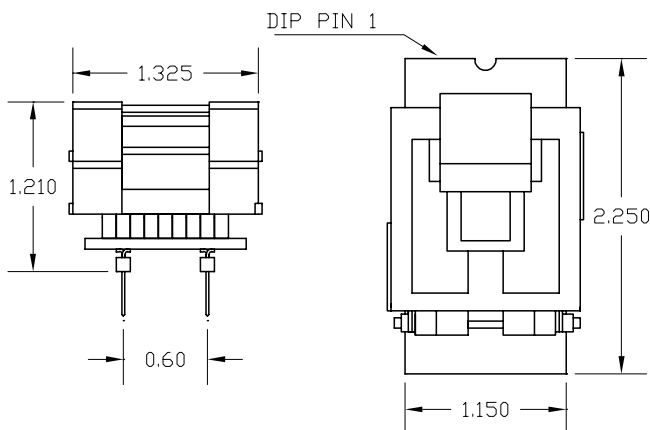
| Mfgr      | Device    |         | Footprint |            |
|-----------|-----------|---------|-----------|------------|
|           | Device    | Package | Device    | Plug       |
| Microchip | PIC16C64  | PLCC,   | PIC16C64  | 40 pin DIP |
|           | PIC16C64A | CLCC    | PIC16C64A |            |
|           | PIC16C65  |         | PIC16C65  |            |
|           | PIC16C65A |         | PIC16C65A |            |
|           | PIC16C74  |         | PIC16C74  |            |
|           | PIC16C74A |         | PIC16C74A |            |

## Adapter Dimensions



Press rim to open socket, Press device to close

PA44-40-P64



Press rim to open socket, Press device to close

PA44-40-P64Z

## 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 |
|--------------|-------------|---------------|
| PA44-40-P64  | 44-306      | P64-PD        |
| PA44-40-P64Z | 44-400      | P64-PZD       |

## 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

### P64-P(Z)D

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

## Adapter Wiring

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

| DEVICE | SIGNAL      | PLUG | PLUG | SIGNAL      | DEVICE |
|--------|-------------|------|------|-------------|--------|
| 1      | N/C         | -    | 40   | RB7         | 44     |
| 2      | MCLR/Vpp    | 1    | 39   | RB6         | 43     |
| 3      | RA0         | 2    | 38   | RB5         | 42     |
| 4      | RA1         | 3    | 37   | RB4         | 41     |
| 5      | RA2         | 4    | -    | N/C         | 40     |
| 6      | RA3         | 5    | 36   | RB3         | 39     |
| 7      | RA4/TOCK1   | 6    | 35   | RB2         | 38     |
| 8      | RA5         | 7    | 34   | RB1         | 37     |
| 9      | RE0/RD      | 8    | 33   | RB0/INT     | 36     |
| 10     | RE1/WR      | 9    | 32   | VD0         | 35     |
| 11     | RE2/CS      | 10   | 31   | Vss         | 34     |
| 12     | VD0         | 11   | 30   | RD7/PSP7    | 33     |
| 13     | Vss         | 12   | 29   | RD6/PSP6    | 32     |
| 14     | OSC1/CLKIN  | 13   | 28   | RD5/PSP5    | 31     |
| 15     | OSC2/CLKOUT | 14   | 27   | RD4/PSP4    | 30     |
| 16     | RC0/T1CLK1  | 15   | 26   | RC7         | 29     |
| 17     | N/C         | -    | -    | N/C         | 28     |
| 18     | RC1/T1CK0   | 16   | 25   | RC6         | 27     |
| 19     | RC2/CCPI    | 17   | 24   | RC5/SD0     | 26     |
| 20     | RC3/SCK/SCL | 18   | 23   | RC4/SDI/SDA | 25     |
| 21     | RD0/PSP0    | 19   | 22   | RD3/PSP3    | 24     |
| 22     | RD1/PSP1    | 20   | 21   | RD2/PSP2    | 23     |