

# PA28SO1-BP55 Data Sheet

28 pin SO socket/28 pin DIP 0.6" plug

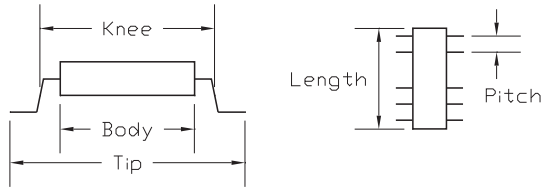
## Supported Device/Footprints

Using this adapter, the PIC16C55, '57 and some memory devices in 28 pin SOIC package with a body width of 300 mil. and lead pitch of 50 mil. can be programmed on programmers from BP Microsystems.

| Mfgr      | Device   | Package | Device   | Programmer |
|-----------|----------|---------|----------|------------|
| Microchip | PIC16C55 | SOIC    | PIC16C55 | CP1128 or  |
|           | PIC16C57 |         | PIC16C57 | EP1140     |
|           | 27C128   |         | 27C128   |            |
|           | 27C256   |         | 27C256   |            |
|           | 27C512   |         | 27C512   |            |
|           | 27C64    |         | 27C64    |            |
|           | 28C16A   |         | 28C16A   |            |

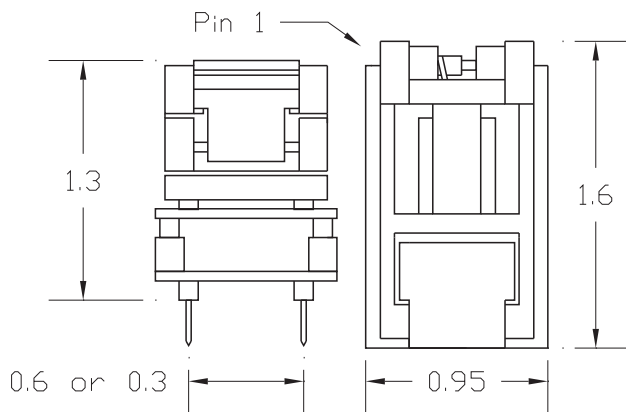
## Device Dimensions

This socket can accept devices of the following dimensions:



| Body mm (inches) |                 |                | Knee mm (inches) |                |                |
|------------------|-----------------|----------------|------------------|----------------|----------------|
| min.             | typ.            | max.           | min.             | typ.           | max.           |
| 7.4<br>(0.291)   | 7.8<br>(0.307)  | 7.9<br>(0.311) | n/a              | 9.3<br>(0.366) | 9.4<br>(0.370) |
| Tip mm (inches)  |                 |                | Body Length      | Lead Pitch     |                |
| min.             | typ.            | max.           | n/a              | 1.27           |                |
| 10.0<br>(0.394)  | 11.6<br>(0.457) | n/a            |                  |                |                |

## Adapter Dimensions



## Adapter Construction

The adapter is made up of 3 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

SO Lidded test socket:

Enplas Part #: FP-28-1.27-08      LSC Part #: 28SD-08

### 28SO08

Accepts the test socket and connects to the bottom board.

### 28SO-BP55

Performs the wiring in the Adapter Wiring section and provides the DIP plug.

## Adapter Wiring

| DEVICE | SIGNAL | PLUG |
|--------|--------|------|
| 1      | RTCC   | 1    |
| 2      | VDD    | 28   |
| 3      | NC     | 3    |
| 4      | VSS    | 14   |
| 5      | NC     | 5    |
| 6      | RA0    | 6    |
| 7      | RA1    | 7    |
| 8      | RA2    | 8    |
| 9      | RA3    | 9    |
| 10     | RB0    | 10   |
| 11     | RB1    | 11   |
| 12     | RB2    | 12   |
| 13     | RB3    | 13   |
| 14     | RB4    | 4    |
| 15     | RB5    | 15   |
| 16     | RB6    | 16   |
| 17     | RB7    | 17   |
| 18     | RC0    | 18   |
| 19     | RC1    | 19   |
| 20     | RC2    | 20   |
| 21     | RC3    | 21   |
| 22     | RC4    | 22   |
| 23     | RC5    | 23   |
| 24     | RC6    | 24   |
| 25     | RC7    | 25   |
| 26     | OSC2   | 26   |
| 27     | OSC1   | 27   |
| 28     | MCLR   | 2    |



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