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PA28SS-P55 Data Sheet

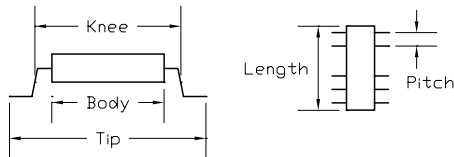
28 Pin SSOP socket/28 Pin DIP 0.6" plug

Supported Device/Footprints

Using this adapter, the Microchip PIC16C55, '57 in SSOP package can be programmed on DIP programmers.

| Mfgr | Device | | Footprint | |
|-----------|----------|---------|-----------|------------|
| | Device | Package | Device | Package |
| Microchip | PIC16C55 | SSOP | PIC16C55 | 28 pin DIP |
| " | PIC16C57 | " | PIC16C57 | " |

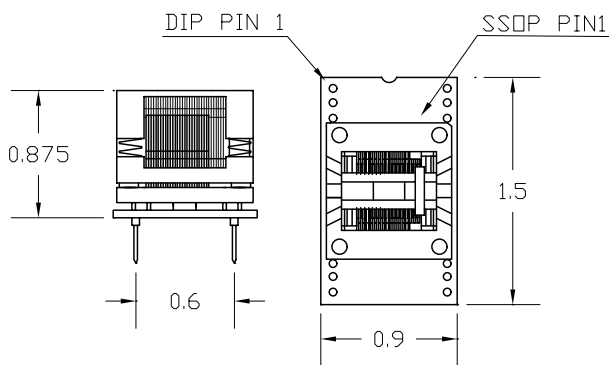
The SSOP socket accepts packages with the dimensions listed below:



| Body mm (inches) | | | Knee mm (inches) | | |
|------------------|----------------|----------------|------------------|----------------|----------------|
| min. | typ. | max. | min. | typ. | max. |
| n/a | 5.3 (0.209) | 5.7 (0.224) | n/a | 6.4 (0.252) | 6.5 (0.256) |

| Tip mm (inches) | | | Body Length | Lead Pitch |
|-----------------|----------------|----------------|-----------------------|------------------|
| min. | typ. | max. | | |
| n/a | 7.8 (0.307) | 8.0 (0.315) | 10.64 max. (0.419) | 0.65 (0.0256) |

Adapter Dimensions



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

SSOP Open top test socket:
Enplas Part #: OTS-28(34)-0.65-01 LSC #: 28(34)SG-01

28SS-P55

Accepts the test socket and performs the wiring shown in the Adapter Wiring section

Adapter Wiring

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

| DEVICE | SIGNAL | PLUG |
|--------|--------|------|
| 1 | VSS | 4 |
| 2 | RTCC | 1 |
| 3 | VDD | 2 |
| 4 | VDD | 2* |
| 5 | RA0 | 6 |
| 6 | RA1 | 7 |
| 7 | RA2 | 8 |
| 8 | RA3 | 9 |
| 9 | RB0 | 10 |
| 10 | RB1 | 11 |
| 11 | RB2 | 12 |
| 12 | RB3 | 13 |
| 13 | RB4 | 14 |
| 14 | VSS | 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 | 28 |
| - | NC | 3 |
| - | NC | 5 |

*Shorted: SSOP pins 1-14(VSS), 3-4(VDD)