

PA29F-46SON-OT Data Sheet

46 pin SON socket/44 pin DIP 0.6" plug

Socket must be obtained separately. See Adapter Construction section below.

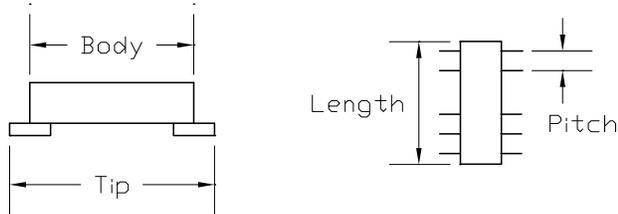
Supported Device/Footprints

The PA29F-46SON-OT adapter converts the pinout of Fujitsu's MBM29LV800T in a 46 pin SON device package to a 44 pin DIP footprint for use on BP Microsystems 2100 programmer.

| Manufacturer | Socket Device | Package | Footprint Device | Plug |
|--------------|---------------|---------|------------------|-------|
| Fujitsu | MBM29LV800T | 46SON | MBM29LV800T | 44DIP |

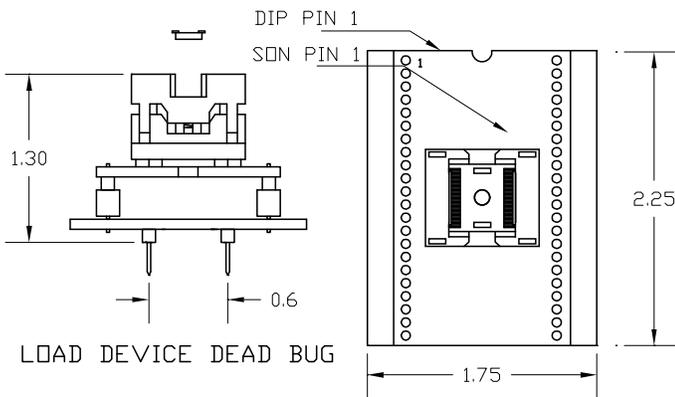
This adapter's footprint is a MBM29LV800T 44DIP plug. However, the device is not available in DIP. The DIP footprint is "borrowed" from the device's 44SO package. The signal on pin 1 of the adapter's DIP plug is the same signal as on the MBM29LV800T-44SO's pin 1. This allows us to think of the footprint as the MBM29LV800T-44DIP.

The adapter accepts packages with the dimensions listed below:



| Body | Tip | Pitch | Length |
|-------------|---------|--------|--------|
| 10.0 mm typ | 10.1 mm | 0.5 mm | 12 mm |

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.

Test Socket

Yamaichi Part #: IC162-0462-055P LSC Part #: 46SJ-55

NOTE: This socket is not available in the U.S.A. because of patent issues. The adapter is delivered without a socket and the socket may be purchased directly from Yamaichi or one of their distributors. See Yamaichi's web site at www.yeu.com for more info on where to buy the socket.

29F46SON

Accepts the socket and performs the adapter wiring

44-44

Provides the DIP plug

Adapter Wiring

This adapter is wired 1 to 1. The following chart shows the connections from the SO device to the adapter's DIP plug.

| 46SON | SIGNAL | 44DIP | 44DIP | SIGNAL | 46SON |
|-------|--------|-------|-------|--------|-------|
| 1 | A13 | 37 | 8 | A3 | 46 |
| 2 | A14 | 36 | 9 | A2 | 45 |
| 3 | A15 | 35 | 10 | A1 | 44 |
| 4 | A12 | 38 | 7 | A4 | 43 |
| 5 | A11 | 39 | 6 | A5 | 42 |
| 6 | A10 | 40 | 5 | A6 | 41 |
| 7 | A9 | 41 | 4 | A7 | 40 |
| 8 | A8 | 42 | 3 | A17 | 39 |
| 9 | NC | | 2 | A18 | 38 |
| 10 | WE- | 43 | 1 | RY/BY- | 37 |
| 11 | RESET- | 44 | | NC | 36 |
| 12 | VCC | 23 | 22 | DQ11 | 35 |
| 13 | DQ4 | 24 | 21 | DQ3 | 34 |
| 14 | DQ12 | 25 | 20 | DQ10 | 33 |
| 15 | DQ5 | 26 | 19 | DQ2 | 32 |
| 16 | DQ13 | 27 | 18 | DQ9 | 31 |
| 17 | DQ6 | 28 | 17 | DQ1 | 30 |
| 18 | DQ14 | 29 | 16 | DQ8 | 29 |
| 19 | DQ7 | 30 | 15 | DQ0 | 28 |
| 20 | A16 | 34 | 11 | A0 | 27 |
| 21 | BYTE- | 33 | 12 | CE- | 26 |
| 22 | VSS | 13 | 32 | VSS | 25 |
| 23 | DQ15 | 31 | 14 | OE- | 24 |



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