

# PA29F-S4-TS Data Sheet

48 pin TSOP Socket/32 pin DIP 0.6" plug

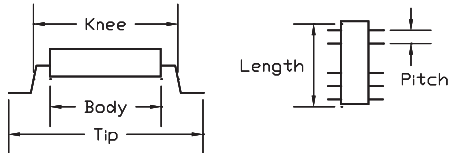
## Supported Device/Footprints

This adapter converts the AMD 29F00 in its 48 pin TSOP package to a 32 pin DIP programming footprint for the Dataman S4 programmer.

| Manufacturer | Socket |         | Footprint |        |
|--------------|--------|---------|-----------|--------|
|              | Device | Package | Device    | Plug   |
| AMD          | 29F200 | 48 TSOP | 29F200    | 32 DIP |
| "            | 29F400 | "       | 29F400    | "      |

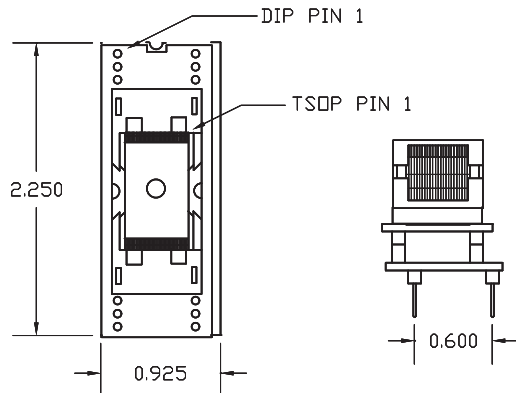
The TSOP socket has been changed by its manufacturer. In the past it accepted devices Live Bug or Dead Bug. Now it only accepts devices Live Bug.

The adapter accepts packages with the dimensions listed below:



| Body        | Knee    | Tip     | Pitch   | Length      |
|-------------|---------|---------|---------|-------------|
| 18.4 mm typ | 18.8 mm | 20.0 mm | 0.50 mm | 12.0 mm typ |

## Adapter Dimensions



## Known Programmer Compatibility

The following compatibility information has been reported to Logical Systems.

| Programmer  | Status         |
|---|----------------|
| Dataman: S4   | Works          |
| DeviceRama: ChipBurner 8; CBU-40; CBU-48; EasyWriter Portable | Not Compatible |
| EE Tools: AllMax, MegaMax; TopMax                             | Not Compatible |

The 29F00 is a superset of the 29F0x0. The 29F00 can be accessed in byte mode as the 29F0x0 is. This similarity allows a programmer that supports the 29F0x0 to offer support for the 29F00.

The Sector Operations are different for 29F00 and 29F0x0 devices. They also vary among device manufacturers. If the device programmer incorporates Sector Operations in its erase or programming operations, there will be compatibility issues.

Therefore, the programmer must offer a 29F00 menu selection or must otherwise be known to support the 29F0x0. Compatibility is NOT guaranteed by this adapter alone.

## 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 easily.

The following chart lists the adapter described by this datasheet and its subassembly.

| Adapter     | Socket    | Top Board | Bottom Board |
|-------------|-----------|-----------|--------------|
| PA29F-S4-TS | 48TSJ-W20 | 48TS29F   | 29F-S4       |

## Test Sockets

| LSC #     | Style    | Mfgr/Pn                |
|-----------|----------|------------------------|
| 48TSJ-W20 | Open Top | Wells /648-0482211SA01 |

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.

This adapter has also been offered as PA29F-TS.

The two adapters are the same and the other part number is being discontinued.

## Adapter Wiring

| TSOP device | DIP plug | DIP plug | TSOP device |
|-------------|----------|----------|-------------|
| 1           | 2        | 30       | 48          |
| 2           | 3        | 16       | 47          |
|             | 3 9      | 2 16     | 46          |
|             | 4 8      | 2 12     | 45          |
| 5           | 4        | 21       | 44          |
|             | 6 5      | 2 NC     | 43          |
|             | 7 3      | 2 20     | 42          |
|             | 8 6      | 2 NC     | 41          |
|             | 9 C      | N 19     | 40          |
| 10          | NC       | NC       | 39          |
| 11          | 31       | 18       | 38          |
| 12          | 32       | 32       | 37          |
| 13          | NC       | NC       | 36          |
| 14          | NC       | 17       | 35          |
| 15          | NC       | NC       | 34          |
| 16          | NC       | 15       | 33          |
| 17          | 1        | NC       | 32          |
| 18          | 27       | 14       | 31          |
| 19          | 5        | NC       | 30          |
| 20          | 6        | 13       | 29          |
| 21          | 7        | 24       | 28          |
| 22          | 8        | 16       | 27          |
| 23          | 9        | 22       | 26          |
| 24          | 10       | 11       | 25          |