

PA48TS29F Data Sheet

48 pin TSOP socket/44 pin DIP 0.6" plug

Supported Device/Footprints

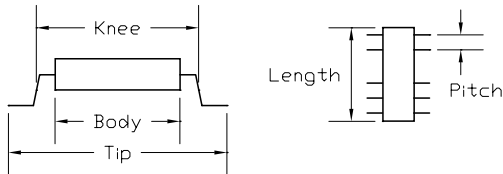
The PA48TS29F adapter converts the pinout of AMD flash memories in 48 pin TSOP packages to the 44 pin DIP equivalent. While these devices are not available in 44 pin DIP packages, they are available in 44 pin SOP. This adapter's 44 pin DIP plug uses the SOP pinout.

Manufacturer	Socket		Footprint	
	Device	Package	Device	Plug
AMD	29F100	TSOP	29F100	DIP
"	29F200	"	29F200	"
"	29F400	"	29F400	"

This adapter does NOT directly support the AM29F800. See the Adapter Wiring section.

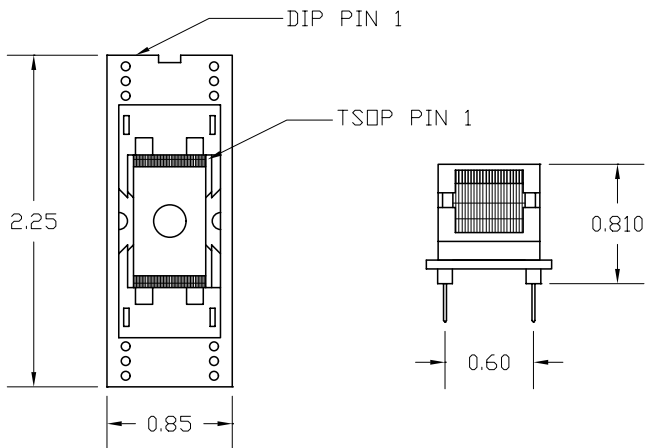
The TSOP socket has been changed by its manufacturer. In the past it accepted devices Live Bug or Dead Bug. Now it only accepts devices Live Bug.

The TSOP socket 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



PA48TS29F

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 easily replaced.

The following chart lists the adapters described by this datasheet and their subassemblies.

Adapter	Test Socket	Board
PA48TS29F	48TSJ-W20	48TS29F

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.

Adapter Wiring

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

TSOP	SIGNAL	DIP	DIP	SIGNAL	TSOP
1	A15	35	34	A16	48
2	A14	36	33	-BYTE	47
3	A13	37	32	VSS	46
4	A12	38	31	DQ15	45
5	A11	39	30	DQ7	44
6	A10	40	29	DQ14	43
7	A9	41	28	DQ6	42
8	A8	42	27	DQ13	41
9	NC	-	26	DQ5	40
10	NC	-	25	DQ12	39
11	-WE	43	24	DQ4	38
12	-RESET	44	23	VCC	37
13	NC	1	22	DQ11	36
14	NC	-	21	DQ3	35
15	RY/-BY	2	20	DQ10	34
16	NC	-	19	DQ2	33
17	A17	3	18	DQ9	32
18	A7	4	17	DQ1	31
19	A6	5	16	DQ8	30
20	A5	6	15	DQ0	29
21	A4	7	14	-OE	28
22	A3	8	13	VSS	27
23	A2	9	12	-CE	26
24	A1	10	11	A0	25

The 29F800 adds A18 on TSOP pin 16 and moves RY/-BY from "DIP" pin 2 to pin 1. This adapter may be rewired to support it.

To rewire the adapter to support the 29F800:

- 1) cut the tracks to DIP pins 1 and 2;
- 2) add a jumper from DIP 1 to TSOP 15; and
- 3) add a jumper from DIP 2 to TSOP 16.

The adapter may be ordered this way, contact LSC for more information.