

PA29F-S4-TS Data Sheet

48 pin TSOP Socket/32 pin DIP 0.6" plug

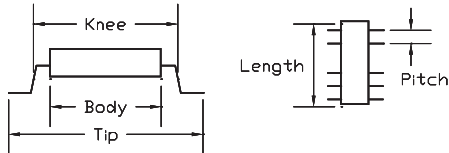
Supported Device/Footprints

This adapter converts the AMD 29F \times 00 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	"

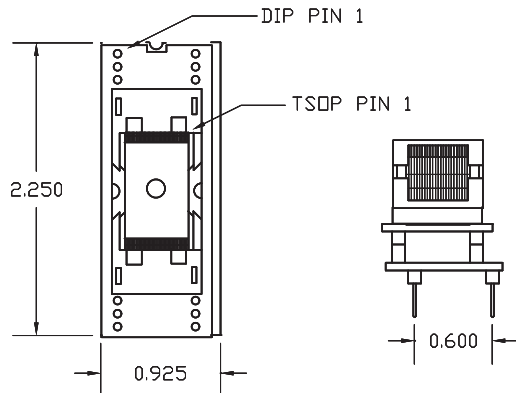
The TSOP socket has been changed by its manufacturer. In the past it accepted devices Live Bug or Dead Bug. Now it only accepts devices Live Bug.

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 29F \times 00 is a superset of the 29F0 \times 0. The 29F \times 00 can be accessed in byte mode as the 29F0 \times 0 is. This similarity allows a programmer that supports the 29F0 \times 0 to offer support for the 29F \times 00.

The Sector Operations are different for 29F \times 00 and 29F0 \times 0 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 29F \times 00 menu selection or must otherwise be known to support the 29F0 \times 0. 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



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