

PA32TS20-OT Data Sheet

32 pin TSOP socket/32 pin DIP 0.6" plug

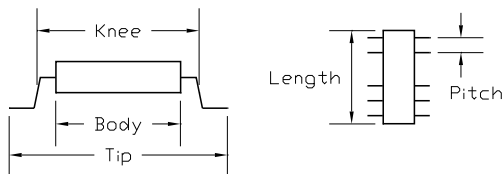
Supported Device/Footprints

The PA32TS20-OT adapter converts the pinout of a 32 pin TSOP device to its 32 pin DIP equivalent. It accepts the TSOP device and plugs into a DIP socket. Several Flash (EEPROM) memories by several manufacturers are supported.

The following devices are known to work with this adapter:

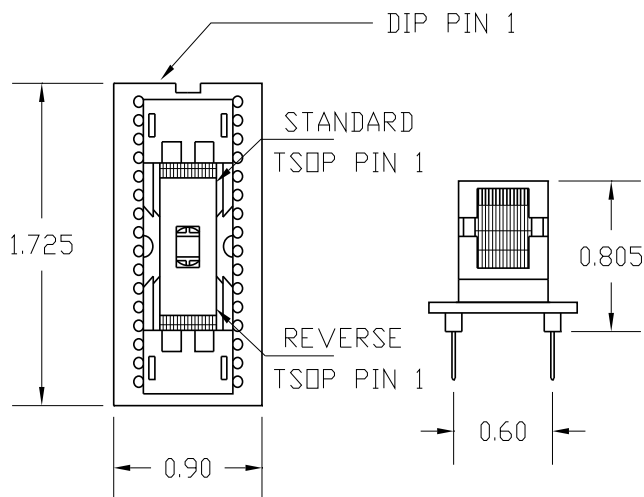
Manufacturer	Socket		Footprint	
	Device	Package	Device	Plug
Severall	E28F010	TSOP	E28F010	32pin DIP
"	E28F020	"	E28F020	"
"	29F259	"	29F259	"
"	29F512	"	29F512	"
"	29F010	"	29F010	"
"	F28F010	"	F28F010	"
"	F28F020	"	F28F020	"

The TSOP socket accepts packages with the dimensions listed below:



Body	Knee	Tip	Pitch	Length
18.4 mm typ	19.0 mm	20.0 mm	0.50 mm	8.0 mm typ

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 & Adapter Shim

TSOP Auto-eject Test Socket:

Wells Part #: 648-0322211-A01

LSC Part #: 32TSJ-W20

Removable Adapter Shim:

Wells Part #: 648-32-01

LSC Part #: 32TSJ-S20

32TS20

Accepts the socket and remaps the pins to the DIP plug.

Adapter Wiring

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

TSOP		DIP	DIP	TSOP	
Standard	Reverse			Reverse	Standard
9	24	1	32	25	8
10	23	2	31	26	7
11	22	3	30	27	6
12	21	4	29	28	5
13	20	5	28	29	4
14	19	6	27	30	3
15	18	7	26	31	2
16	17	8	25	32	1
17	16	9	24	1	32
18	15	10	23	2	31
19	14	11	22	3	30
20	13	12	21	4	29
21	12	13	20	5	28
22	11	14	19	6	27
23	10	15	18	7	26
24	9	16	17	8	25

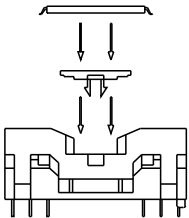
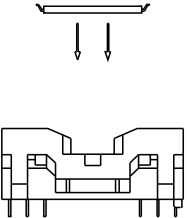
Using Live/Dead-Bug Adapter

Which To Use:

Standard and reverse pinout devices are supported by this adapter. Standard pinout devices are inserted live bug and Reverse pinout devices are inserted dead bug.

The socket on this adapter accomodates both orientations using a removable shim. The following chart shows how to set up and use the adapter for each.

Note: Pin 1 of the TSOP is in the upper right corner of the adapter for standard pinouts, in the lower right corner for reverse pinouts (see the Adapter Dimensions section).

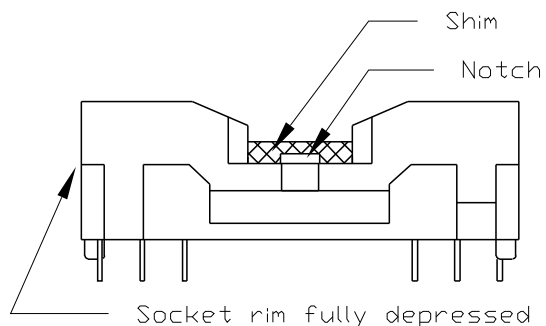
Pinout:	Standard	Reverse
		
Insert Device:	Live Bug	Dead Bug
Shim:	Installed	Removed

How To Insert the Shim:

Depress the rim of the socket to the open position. Insert shim with the clips downward, and push the clips through the hole in the socket. Push the shim as far down as it will go. When seated properly, the shim is entirely below the rim of the closed socket.

How To Remove the Shim:

Depress the rim of the socket so that it is open, and the notch in the side of the shim is visible (see picture below). Insert a small-bladed screwdriver (or other small tool) into the notch, and pry the shim out. This should be possible with a minimum of force.



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