

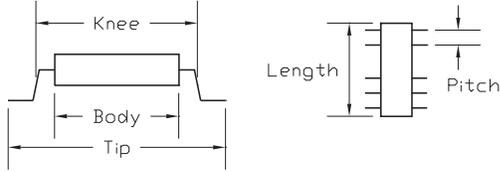
# PA40-32-1TSxx Data Sheet

40 pin TSOP socket/32 pin DIP 0.6" plug

## Supported Device/Footprints

The PA40-32-1TS20 adapter converts the pinout of a 40 pin TSOP device to its 32 pin DIP equivalent. It accepts the TSOP device and plugs into a DIP socket.

The TSOP socket accepts packages with the dimensions listed below:



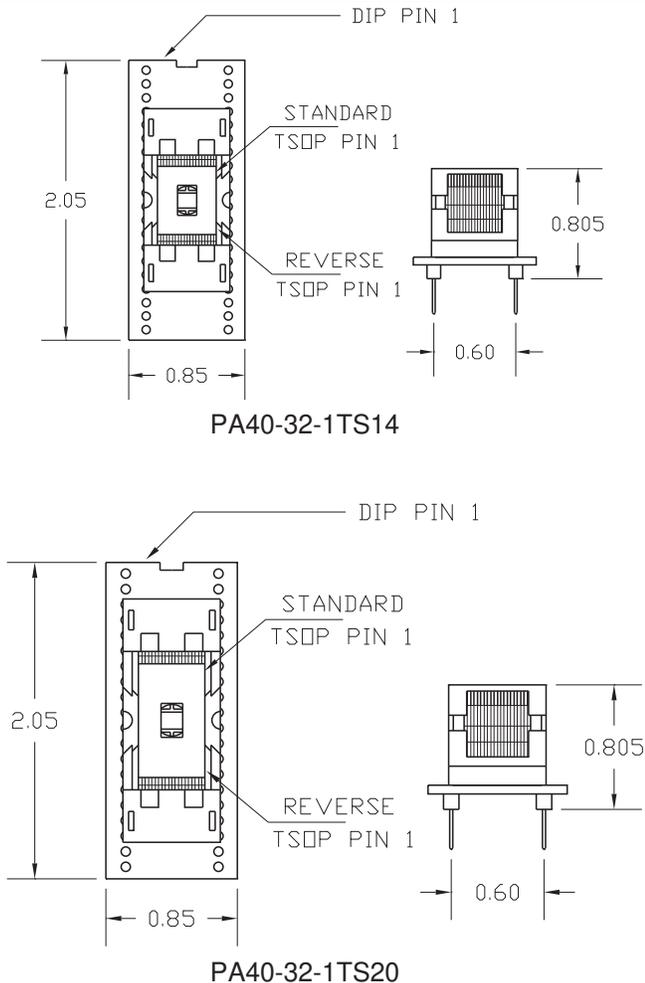
Adapter	Body	Knee	Tip	Pitch	Length
PA40-32-1TS14	12.4 typ	13.0	14.0	0.50	10.0
PA40-32-1TS20	18.4 typ	19.0	20.0	0.50	10.0

Above dimensions are mm.

Known compatible devices are:

Adapter	Device
PA40-32-1TS14	CAT28C512
PA40-32-1TS20	

## 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 easily.

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.

The following chart shows the various socket and board part numbers that make up these adapters.

Adapter	Skt Type	Test Socket	Circuit Bd	Shim
PA40-32-1TS14	Open Top	40TSJ-W14	40TS14-32	40TSJ-S14
PA40-32-1TS20	Open Top	40TSJ-W20	40TS20-32	40TSJ-S20

## Test Socket

LSC #	Mfgr/Part Number
40TSJ-W14	Wells 648-0402211-A01
40TSJ-W20	Wells 648-0402211-A01

## Removable Adapter Shim

LSC #	Mfgr/Part Number
40TSJ-S14	Wells 648-40-01
40TSJ-S20	Wells 648-40-01

## 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
11	30	-	-	31	10	
12	29	-	-	32	9	
13	28	1	32	33	8	
14	27	2	31	34	7	
15	26	3	30	35	6	
16	25	4	29	36	5	
17	24	5	28	37	4	
18	23	6	27	38	3	
19	22	7	26	39	2	
20	21	8	25	40	1	
21	20	9	24	1	40	
22	19	10	23	2	39	
23	18	11	22	3	38	
24	17	12	21	4	37	
25	16	13	20	5	36	
26	15	14	19	6	35	
27	14	15	18	7	34	
28	13	16	17	8	33	
29	12	-	-	9	32	
30	11	-	-	10	31	

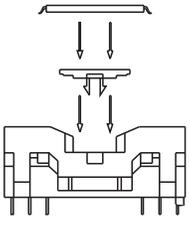
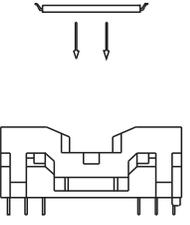
## Using Live/Dead-Bug Adapter

### 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 accommodates 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).

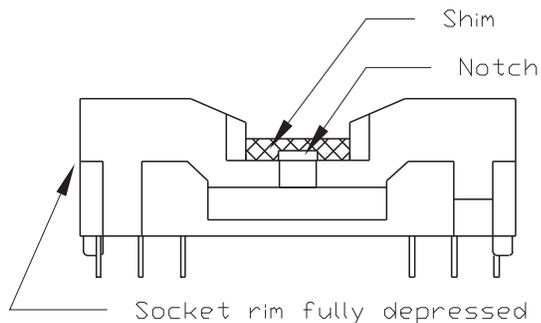
Pinout:	Standard	Reverse
		
Insert Device:	Live Bug	Dead Bug
Shim:	Installed	Removed

### 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.



**Adapters-Plus Inc.**

P.O. Box 900  
Tracy, Ca 95378  
ph.209-839-0200  
fax.209-839-0235  
email: sales@adapt-plus.com

www.adapt-plus.com