PA32-28-2TS Data Sheet
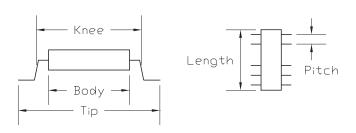## 32 pin TSOP socket/28 pin DIP 0.6" plug

Supported Device/Footprints

The PA32-28-2TS adapter converts the pinout of several 28 & 32 pin TSOP devices to their 28 pin DIP equivalents. It accepts the TSOP device and plugs into a DIP socket.

Some manufacturers, such as Microchip, depopulate 32 pin packages to 28 pins by removing some pins that are unused. The package size, and position of each signal, remains the same. The same adapter may be used for either style.
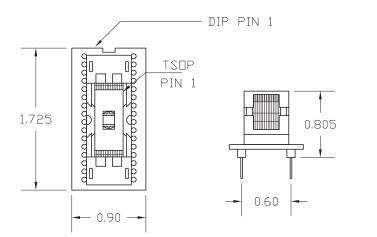
Manufacturer	Socket Device	Package	Footprint Device	Plug
Several	27C64	TSOP	27C64	DIP
"	27C128	"	27C128	"
"	27C256	"	27C256	"
"	27C512	"	27C512	"
"	28C17	"	28C17	"
"	28C64	"	28C64	"

This adapter 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
TSOP Auto-eject Test Socket:
   Wells Part #: 648-0322211-A01   LSC Part #: 32TSJ-W20

32-28-2T
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.

DEVICE		SIGNAL	PLUG
32PIN	28PIN		
1	1	OE	22
2	2	A11	23
3	3	A9	24
4	4	A8	25
5	5	A13	26
6	6	A14	27
7	7	VCC	28
8	-	N/C	-
9	-	N/C	-
10	8	A15	1
11	9	A12	2
12	10	A7	3
13	11	A6	4
14	12	A5	5
15	13	A4	6
16	14	A3	7
17	15	A2	8
18	16	A1	9
19	17	A0	10
20	18	O0	11
21	19	O1	12
22	20	O2	13
23	21	VSS	14
24	-	N/C	-
25	-	N/C	-
26	22	O3	15
27	23	O4	16
28	24	O5	28
29	25	O6	18
30	26	O7	19
31	27	CE	20
32	28	A10	21

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