PAxx-SO-652D-x Data Sheet
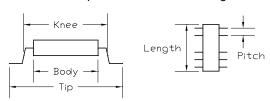## 20-32 pin SO socket/DIP 0.3" or 0.6" plug

Supported Device/Footprints

Using these adapters, 20 through 32 pin SO packages with a body width of 7.4mm - 7.7mm and lead pitch of 1.27mm can be programmed on DIP programmers.

Each adapter is for a particular pin count. Lower pin count devices can fit in the socket but will not be aligned by the socket. If desired, a careful user can align the device before closing the socket.
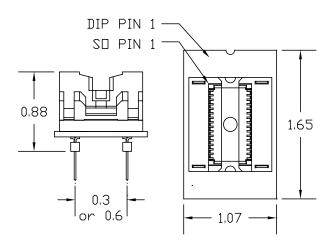
Device Dimensions

This socket can accept devices of the following dimensions:

Body mm (inches)			Knee mm (inches)		
min.	typ.	max.	min.	typ.	max.
7.4 (0.291)	7.55 (0.297)	7.7 (0.303)	n/a	8.9 (0.350)	9.0 (0.354)

Tip mm (inches)			Body Length		Lead Pitch
min.	typ.	max.	20.73 max.		1.27
10.37 (0.408)	10.57 (0.416)	10.77 (0.424)	(.816)		(0.050)

Adapter Dimensions

PA32SO-652D-6

Adapter Parts & Part Numbers

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

Adapter	Plug	Socket	Board
PA20-SO-652D-3	0.3"	20SD-652D	32SO-W1-3-20
PA20-SO-652D-6	0.6"	20SD-652D	32SO-W1-6-20
PA24-SO-652D-3	0.3"	24SD-652D	32SO-W1-3-24
PA24-SO-652D-6	0.6"	24SD-652D	32SO-W1-6-24
PA28-SO-652D-3	0.3"	28SD-652D	32SO-W1-3-28
PA28-SO-652D-6	0.6"	28SD-652D	32SO-W1-6-28
PA32-SO-652D-3	0.3"	32SD-652D	32SO-W1-3
PA32-SO-652D-6	0.6"	32SD-652D	32SO-W1-6

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.

Test Socket

LSC #	Style	Mfgr/Pn
20SD-652D	Open Top	Wells 652D0202211
24SD-652D	Open Top	Wells 652D0242211
28SD-652D	Open Top	Wells 652D0282211
32SD-652D	Open Top	Wells 652D0322211

Wiring

Wiring is 1 to 1. Pin 1 of the SO device is wired to pin 1 of the DIP plug. Pin 2 to pin 2 and so on around the adapter.

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