

PA-SOD-1603-xx Data Sheet

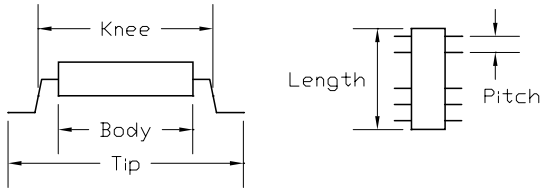
8, 14 & 16 pin SO socket/16 pin SO receptacle
(SO-Plugs NOT included)

Supported Device/Footprints

Using these adapters, 8, 14 and 16 pin SO packages with a body width of 3.9mm - 4.0mm and lead pitch (1.27mm) can be socketed over their PCB footprints.

Device Dimensions

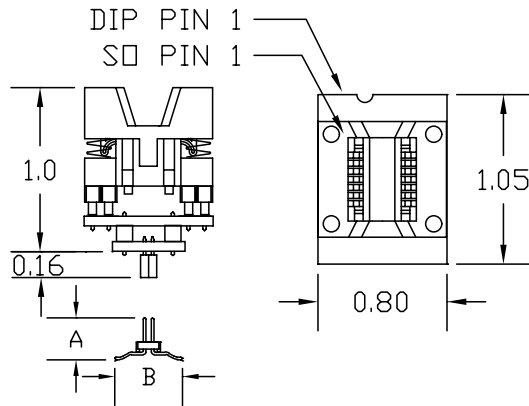
This socket accepts devices with the following dimensions:



Body mm (inches)			Knee mm (inches)		
min.	typ.	max.	min.	typ.	max.
n/a	3.9 (0.153)	4.0 (0.157)	n/a	5.0 (0.197)	5.2 (0.205)

Tip mm (inches)			Body Length	Lead Pitch
min.	typ.	max.	n/a	1.27 (0.050)
5.8 (0.228)	6.0 (0.236)	6.35 (0.250)		

Adapter Dimensions



SO Plugs

SO Plugs are required to connect this adapter to the prototype. They are available separately. The two plugs which best match the are shown in the following chart. Other SO-Plugs will also mate with this adapter, contact us if you want assistance matching plugs to this adapter.

Plug Kit	A	B
PA-SOF-D250-xx	0.310"	0.250"
PA-SOF-D310-xx	0.270"	0.310"

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 lists the adapters described by this datasheet and their subassemblies.

Adapter	Test Socket	Board
PA-SOD-1603-16	16SD-03	16SO03-3-SOD
PA-SOD-1603-14	14(16H)SD-03	16SO03-3-SOD
PA-SOD-1603-08	08(16H)SD-03	16SO03-3-SOD

Test Sockets

LSC #	Style	Mfgr/Pn
16SD-03	Open Top	Enplas OTS-16-1.27-03
xx(16)SD-03	Open Top	Enplas OTS-xx(16H)-1.27-03

Notes

1. The xx(16)SD-03 sockets are depopulated 16SD-06 sockets. A "dam" is added to prevent incorrect alignment of the device.
2. For all versions of the adapter, the board provides 16 positions to receive the SO-Plug. When using plugs with less than 16 pins orient the plug and the device, away from the pin 1 end of the board.

Wiring

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