

PA8SO1-03-1-3 Data Sheet

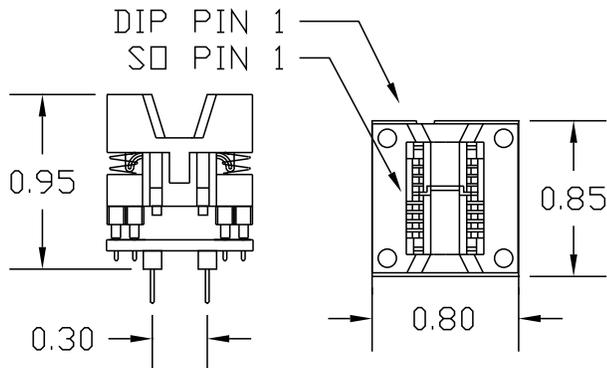
8 pin SO socket/8 pin DIP 0.3" plug

Supported Device/Footprints

Using this adapter, a Microchip 93C06/46X in an 8 pin SO package can be programmed in its DIP footprint.

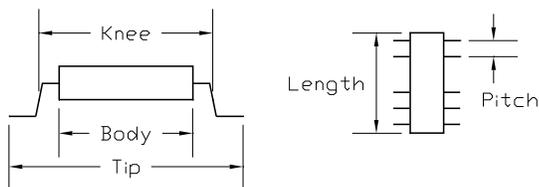
While designed for several Microchip devices this adapter is general purpose enough to work for other devices that come in the 8 pin 150mil SO package and require the "90 degree rotate" wiring.

Adapter Dimensions



Device Dimensions

This socket can accept devices of 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 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 socket and board part numbers that make up this adapters.

Adapter	Test Socket	Board	DIP Plug
PA8SO1-03-1-3	8(16H)SD-03	8SO03-1	0.3"

Test Sockets

LSC #	Style	Mfgr/Pn
8(16H)SD-03	Open Top	Enplas OTS-8(16)-1.27-03

The 8 pin socket is depopulated from 16 pins to fit the device. The socket is removable so that it may be replaced. They are depopulated at the Pin 1 end. If you remove the socket be sure to replace it with the correct orientation and alignment.

Wiring

The following chart shows the connections from the SO device to the adapters DIP plug.

The wiring can be described as a 90 degree clockwise rotation. Pin 1 of the die which would be at 12 O'clock (Pin1) in the DIP is at 9 O'clock (Pin3) in the SO package.

SO DEVICE	SIGNAL	DIP PLUG
1	NU	7
2	VCC	8
3	CS	1
4	CLK	2
5	D1	3
6	D0	4
7	VSS	5
8	NC	6



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