

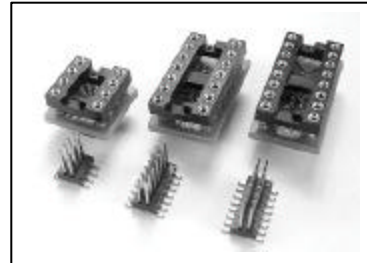
# DIP to SO-Plug Prototyping Adapter Kits

These adapters will convert a small outline land pattern to a DIP package. The adapter provides a solder down SO-plug on the bottom and a detachable 300 or 600 mil wide open-frame DIP socket on the top. They are also available with optional, detachable Aries ZIF sockets. This allows an emulator or DIP device to be plugged in. We support 1.27mm pitch devices in pin counts from 8 - 44 and body sizes of 150 mil (3.8mm) - 520 mil (13.5mm).

Use the searches or the manufacturer pages on our website at [www.logicalsys.com](http://www.logicalsys.com) to identify the correct SO-Plug for the device you are using or compare your prototype's land pattern to the recommended land patterns for each size plug. Select the kit or individual components that fit your needs. Confirm the DIP pin count and row spacing with your emulator or prototyping devices.

Part number format - **PA-DSO-bbbb(Z)-Dwww-pp/x**

- bbbb = Board pin count (08 - 44) + width (03 or 06)
- (Z) = Optional ZIF socket
- www = Plug width (250 – 630)
- pp = Plug pin count (08 – 44)
- x = Number of plugs in kit



Device Width	Pins	Part Numbers to Order				
		Kits with one DIP board and two plugs		Extra Boards		Extra Plugs
		300 mil wide DIP top (optional ZIF socket)	600 mil wide DIP top (optional ZIF socket)	Open frame socket (ZIF socket)	Open frame socket (ZIF socket)	Packages of six
150 mil	8	PA-DSO-0803-D250-08/2	N/A	PA-DSO-0803	N/A	PA-SOF-D250-08/6
	14	PA-DSO-1403(Z)-D250-14/2	N/A	PA-DSO-1403(Z)	N/A	PA-SOF-D250-14/6
	16	PA-DSO-1603(Z)-D250-16/2	N/A	PA-DSO-1603(Z)	N/A	PA-SOF-D250-16/6
200 mil	8	PA-DSO-0803-D310-08/2	N/A	PA-DSO-0803	N/A	PA-SOF-D310-08/6
	14	PA-DSO-1403(Z)-D310-14/2	N/A	PA-DSO-1403(Z)	N/A	PA-SOF-D310-14/6
	16	PA-DSO-1603(Z)-D310-16/2	N/A	PA-DSO-1603(Z)	N/A	PA-SOF-D310-16/6
	18	PA-DSO-1803(Z)-D310-18/2	N/A	PA-DSO-1803(Z)	N/A	PA-SOF-D310-18/6
	20	PA-DSO-2003(Z)-D310-20/2	N/A	PA-DSO-2003(Z)	N/A	PA-SOF-D310-20/6
300 mil	14	PA-DSO-1403(Z)-D420-14/2	N/A	PA-DSO-1403(Z)	N/A	PA-SOF-D420-14/6
	16	PA-DSO-1603(Z)-D420-16/2	N/A	PA-DSO-1603(Z)	N/A	PA-SOF-D420-16/6
	18	PA-DSO-1803(Z)-D420-18/2	N/A	PA-DSO-1803(Z)	N/A	PA-SOF-D420-18/6
	20	PA-DSO-2003(Z)-D420-20/2	N/A	PA-DSO-2003(Z)	N/A	PA-SOF-D420-20/6
	24	PA-DSO-2403(Z)-D420-24/2	PA-DSO-2406(Z)-D420-24/2	PA-DSO-2403(Z)	PA-DSO-2406(Z)	PA-SOF-D420-24/6
	28	PA-DSO-2803(Z)-D420-28/2	PA-DSO-2806(Z)-D420-28/2	PA-DSO-2803(Z)	PA-DSO-2806(Z)	PA-SOF-D420-28/6
330 mil	14	PA-DSO-1403(Z)-D470-14/2	N/A	PA-DSO-1403(Z)	N/A	PA-SOF-D470-14/6
	16	PA-DSO-1603(Z)-D470-16/2	N/A	PA-DSO-1603(Z)	N/A	PA-SOF-D470-16/6
	18	PA-DSO-1803(Z)-D470-18/2	N/A	PA-DSO-1803(Z)	N/A	PA-SOF-D470-18/6
	20	PA-DSO-2003(Z)-D470-20/2	N/A	PA-DSO-2003(Z)	N/A	PA-SOF-D470-20/6
	24	PA-DSO-2403(Z)-D470-24/2	PA-DSO-2406(Z)-D470-24/2	PA-DSO-2403(Z)	PA-DSO-2406(Z)	PA-SOF-D470-24/6
450 mil	32	N/A	PA-DSO-3206(Z)-D560-32/2	N/A	PA-DSO-3206(Z)	PA-SOF-D560-32/6
	40	N/A	PA-DSO-4006(Z)-D560-40/2	N/A	PA-DSO-4006(Z)	PA-SOF-D560-40/6
520 mil	44	N/A	PA-DSO-4406(Z)-D630-40/2	N/A	PA-DSO-4406(Z)	PA-SOF-D630-44/6

## SO-Plug Dimension Drawings

Device Width & Part Numbers	Lead Span	Footprint
150 mil <u>Plug six-pack part numbers</u> PA-SOF-D250-08/6 PA-SOF-D250-14/6 PA-SOF-D250-16/6		

## SO-Plug Dimension Drawings

Device Width & Part Numbers	Lead Span	Footprint
<b>200 mil</b> <u>Plug six-pack part numbers</u> PA-SOF-D310-08/6 PA-SOF-D310-14/6 PA-SOF-D310-16/6 PA-SOF-D310-18/6 PA-SOF-D310-20/6		
<b>300 mil</b> <u>Plug six-pack part numbers</u> PA-SOF-D420-14/6 PA-SOF-D420-16/6 PA-SOF-D420-18/6 PA-SOF-D420-20/6 PA-SOF-D420-24/6 PA-SOF-D420-28/6		
<b>330 mil</b> <u>Plug six-pack part numbers</u> PA-SOF-D470-14/6 PA-SOF-D470-16/6 PA-SOF-D470-18/6 PA-SOF-D470-20/6 PA-SOF-D470-24/6 PA-SOF-D470-28/6		
<b>450 mil</b> <u>Plug six-pack part numbers</u> PA-SOF-D560-32/6 PA-SOF-D560-40/6		
<b>520 mil</b> <u>Plug six-pack part numbers</u> PA-SOF-D630-44/6		

## DIP Board Dimensions

Part Numbers	8 - 28 pins 300 mil wide	24 - 44 pins 600 mil wide	Part Numbers
<b>300 mil board</b> <u>part numbers</u> PA-DSO-0803 PA-DSO-1403 PA-DSO-1603 PA-DSO-1803 PA-DSO-2003 PA-DSO-2403 PA-DSO-2803			<b>600 mil board</b> <u>part numbers</u> PA-DSO-2406 PA-DSO-2806 PA-DSO-3206 PA-DSO-4006 PA-DSO-4006