

PA5111-xxSS-3 or -6 Data Sheet

16 or 24 pin SSOP socket/24 pin DIP plug (0.3" or 0.6")

Supported Device/Footprints

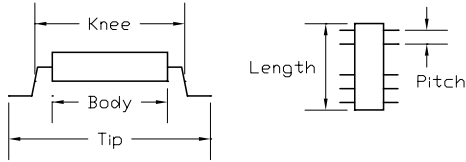
Using these adapters ATMEL T87C5111 devices in SSOP packages can be programmed using the 24 pin DIP footprint specified by Atmel.

For this adapter to be useful, a programmer must offer specific support for this device and adapter combination.

Atmel: AT89C5111 SSOP16 or SSOP24

Footprint: Atmel specified 24 DIP

The SSOP socket accepts packages with the dimensions listed below:

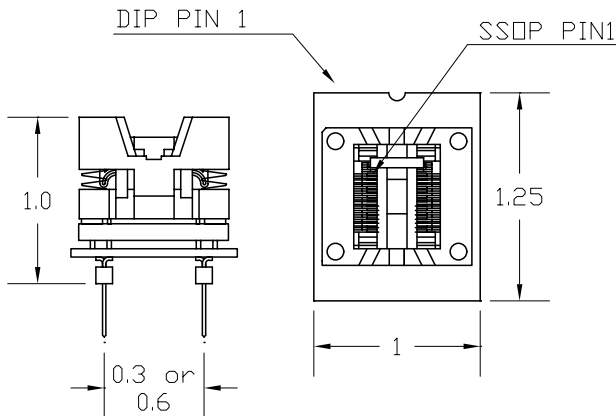


Body mm (inches)			Knee mm (inches)		
min.	typ.	max.	min.	typ.	max.
n/a	5.3	5.7	n/a	6.4	6.5
	(0.209)	(0.224)		(0.250)	(0.256)

Tip mm (inches)			Lead Pitch mm (inches)	
min.	typ.	max.	typ.	
7.6	7.8	8.0	0.65	
(0.299)	(0.307)	(0.315)	(0.0256)	

Pins	Body Length mm (inches)
16	6.20(0.245) typ
24	8.64 (0.340) max

Adapter Dimensions



PA5111-24SS-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.

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

Adapter	Plug	Test Socket	Board
PA5111-16SS-3	0.3"	16(34)SG-01	16SS-C51
PA5111-16SS-6	0.6"	16(34)SG-01	16SS-C51
PA5111-24SS-3	0.3"	24(34)SG-01	24SS-C51
PA5111-24SS-6	0.6"	24(34)SG-01	24SS-C51

Test Sockets

LSC #	Style	Mfgr/Pn
16(34)SG-01	Open Top	Enplas OTS-16(34)-0.65-01
24(34)SG-01	Open Top	Enplas OTS-24(34)-0.65-01

Adapter Wiring

The following chart shows the connections from the SSOP device to the adapter's DIP plug.

24SSOP	16SSOP	24DIP	24DIP	16SSOP	24SSOP
1	1	1	24	-	24
2	-	2	23	-	23
3	2	3	22	16	22
-	-	4	21	15	21
4	3	5	20	14	20
5, 6	4	6	19	13	19
7, 8	5	7	18	-	18
9	6	8	17	12	17
10	7	9	16	11	16
11	8	10	15	-	15
-	-	11	14	10	14
12	-	12	13	9	13