PA20-28-1SS6 Data Sheet

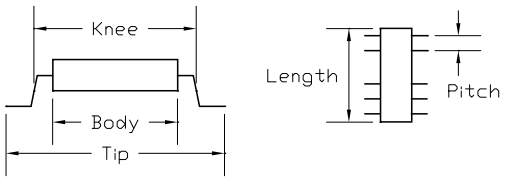
20 pin SSOP socket/28 pin DIP 0.6" plug

Supported Device/Footprints

This adapter is made to connect a SX28H51-20SSOP to the signal footprint of a PIC16C55-28DIP. The wire list was specified by Yat Hong W ai at Scenix Semiconductors Inc.

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	5.3 (0.209)	5.7 (0.224)	n/a	6.4 (0.250)	6.5 (0.256)

Tip mm (inches)			Body Length	Lead Pitch
min.	typ.	max.	6.17 t yp	0.65
7.6 (0.299)	7.8 (0.307)	8.0 (0.315)	(0.243)	(0.0256)

Adapter Construction

The adapter is made up of 3 sub-assemblies. They assemble via connectors making the adapter modular. This way the sub-assemblies can be replaced when they wear out.

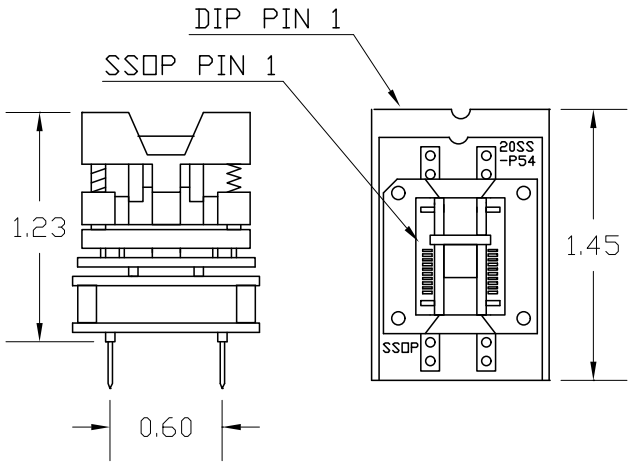
When disassembling the adapter take care not to bend the pins. When reassembling the adapter note the pin 1 indicators to align the parts correctly.

Test Socket
SSOP Open top test socket:
Enplas Part #: OTS-20(34)-0.65-01
LSC Part #: 20(34)SG-01

20SS-P54-TOP
Accepts the test socket and connects to the bottom board via a 28 pin header. The device to header wiring is show in the Adapter Wiring section. All other header pins are not connected.

20281SS6
Performs the wiring in the Adapter Wiring section.

Adapter Dimensions



Adapter Wiring

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

SSOP DEVICE	Top Board header	SIGNAL	PLUG
1	5	RA2	8
2	6	RA3	9
3	7	RTCC	1
4	8	MCLR	28
5**	9	Vss	4
6**	9	Vss	4
7	10	RB0	10
8	11	RB1	11
9	12	RB2	12
10	13	RB3	13
11	16	RB4	14
12	17	RB5	15
13	18	RB6	16
14	19	RB7	17
15**	20	Vdd	2
16**	20	Vdd	2
17	21	OSC2/CLKOUT	26
18	22	OSCR	27
19	23	RA0	6
20	24	RA1	7
-	-	N/C	3
-	-	N/C	5
-	-	N/C	18
-	-	N/C	19
-	-	N/C	20
-	-	N/C	21
-	-	N/C	22
-	-	N/C	23
-	-	N/C	24
-	-	N/C	25

**Pins 5-6 and 15-16 are shorted.

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