PA20SS-P54 Data Sheet

20 pin SSOP socket/18 pin DIP 0.3” plug

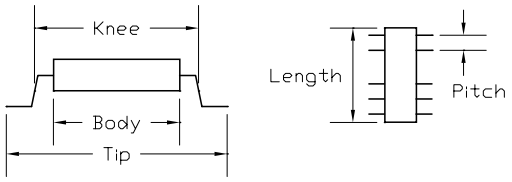
Supported Device/Footprints

Using this adapter, the Microchip PIC16C54 & PIC16C56 (and others) in 20 pin SSOP packages can be programmed on DIP programmers.

Device			Programmer	
Mfgr	Device	Package	Device	Plug
Microchip	PIC16C54	SSOP	PIC16C54	18 pin DIP
	PIC16C54A		PIC16C56	
	PIC16C56		PIC16C56	
	PIC16C58A		PIC16C58A	
	PIC16C620		PIC16C620	
	PIC16C621		PIC16C621	
	PIC16C622		PIC16C622	
	PIC16F628A		PIC16F628A	
	PIC16F648A		PIC16F648A	
	PIC16F716		PIC16F716	

Device Dimensions

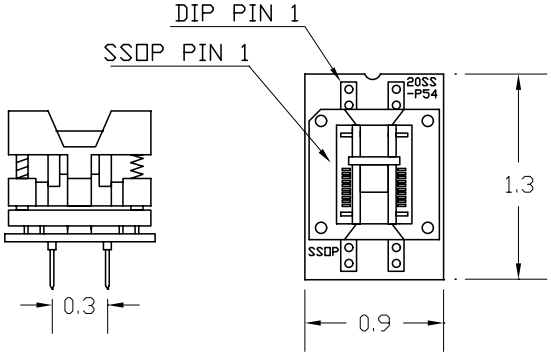
This socket can accept devices of the following dimensions



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.		
7.6 (0.299)	7.8 (0.307)	8.0 (0.315)	n/a	0.65 (0.0256)

Adapter Dimensions



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 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

Accepts the test socket and performs the wiring in the Adapter Wiring section.

Adapter Wiring

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

DEVICE	SIGNAL	PLUG
1	RA2	1
2	RA3	2
3	RTCC	3
4	MCLR	4
5**	Vss	5
6**	Vss	5
7	RB0	6
8	RB1	7
9	RB2	8
10	RB3	9
11	RB4	10
12	RB5	11
13	RB6	12
14	RB7	13
15**	Vdd	14
16**	Vdd	14
17	OSC2/CLKOUT	15
18	OSCR	16
19	RA0	17
20	RA1	18

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

LOGICAL SYSTEMS
Logical Systems Corporation
PO Box 6184, Syracuse, NY 13217-6184 USA
Tel (315) 478-0722, FAX (315) 479-6753
www.logicalsys.com, Email: info@logicalsys.com