

# PA-SXA-20SS Data Sheet

## 20 pin SSOP socket/28 pin DIP 0.3" of 0.6" plug

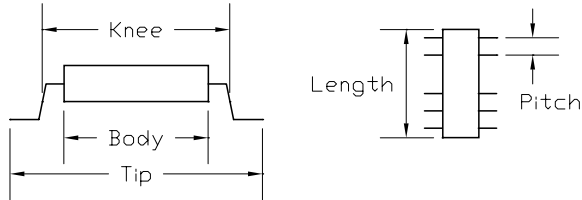
### Supported Device/Footprints

Using this adapter, the Ubicom SX20AC/SS in a 20 pin SSOP package can be programmed on programmers capable of programming the 28 pin DIP version of the part.

Mfgr	Device		Programmer	
	Device	Package	Device	Plug
Ubicom	SX20AC/SS	SSOP 20	SX28AC/DP	DIP 28

### Device Dimensions

This socket can accept devices of the following dimensions

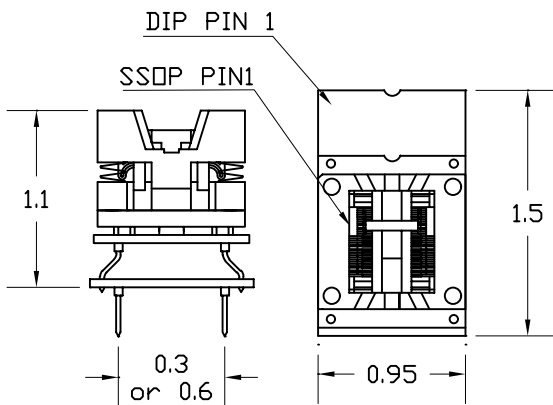


Body mm (inches)			Knee mm (inches)		
min.	typ.	max.	min.	typ.	max.
n/a	5.3 (0.209)	5.7 (0.224)	n/a	6.4 (0.250)	6.5 (0.256)

Tip mm (inches)			Body Length	Lead Pitch
min.	typ.	max.		
7.6 (0.299)	7.8 (0.307)	8.0 (0.315)	6.17 typ (0.243)	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-SXA

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	8
2	RA3	9
3	RTCC	1
4	MCLR	28
5**	Vss	4
6**	Vss	4
7	RB0	10
8	RB1	11
9	RB2	12
10	RB3	13
11	RB4	14
12	RB5	15
13	RB6	16
14	RB7	17
15**	Vdd	2
16**	Vdd	2
17	OSC2/CLKOUT	26
18	OSC1	27
19	RA0	6
20	RA1	7

\*\*Device pins 5-6 and 15-16 are shorted.