PA20-08-2PD(Z)3(6) Data Sheet
20 pin PLCC Auto-eject *Dead-Bug* socket/8 pin DIP 0.3" (0.6") plug
or
20 pin PLCC Lidded ZIF *Live-Bug* socket/8 pin DIP 0.3" (0.6") plug
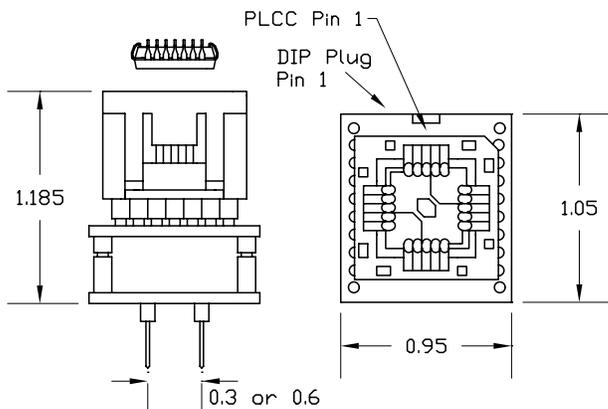
Supported Device/Footprints

This adapter allows several Xilinx devices in the PLCC package to be programmed in their DIP footprint. Other devices that require this 20 to 8 pin wiring are also supported.

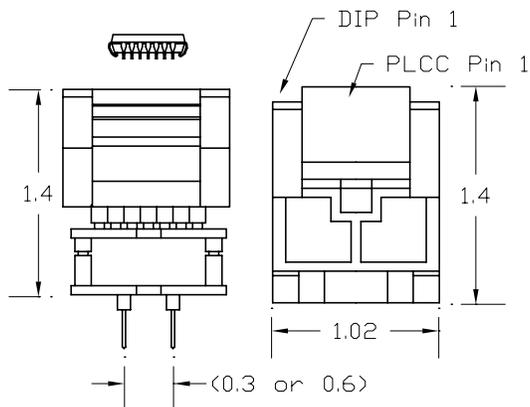|	Device			Footprint	
Mfgr	Device	Package	Device		Package
Xilinx	XC1701P	PLCC	XC1701P		DIP
	XC1701L	"	XC1701L		
	XC1736E	"	XC1736E		
	XC1765E	"	XC1765E		
	XC17128E	"	XC17128E		
	XC17256E	"	XC17256E		
	XC17128EL	"	XC17128EL		
	XC17256EL	"	XC17256EL		
	XC17512L	"	XC17512L		

Adapter Dimensions

NOTE: THIS IS A DEAD-BUG SOCKET
THE PLCC DEVICE IS INSERTED UPSIDE-DOWN

PA20-08-2PD3(6)

NOTE: THIS IS A LIVE-BUG SOCKET
THE PLCC DEVICE IS INSERTED RIGHT-SIDE-UP

PA20-08-2PZ3(6)

Adapter Part Numbers

The following chart identifies all the versions of this adapter currently available and the correct placement of the device to be programmed. For more information see the drawings at left.

Adapter	Plug	Socket Style	Device Placement
PA20-08-2PD3	0.3"	Auto-eject	Pins up
PA20-08-2PD6	0.6"	Auto-eject	Pins up
PA20-08-2PZ3	0.3"	Lidded ZIF	Pins down
PA20-08-2PZ6	0.6"	Lidded ZIF	Pins down

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
PLCC Auto-Eject test socket:
    Yamaichi Part #: IC120-0204-205   LSC Part #: 20-205
PLCC Lidded ZIF test socket:
    Yamaichi Part #: IC51-0204-602   LSC Part #: 20-602

20PLD(Z)
Accepts the test socket and connects the signals to the bottom board.

20-08-2-3(-6)
Accepts the top board and re-maps the signals to a DIP footprint.

Adapter Wiring

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

DEVICE	SIGNAL	PLUG	PLUG	SIGNAL	DEVICE
1	-	-	8	VCC	20
2	DATA	1	-	-	19
3	-	-	-	-	18
4	CLK	2	7	VPP	17
5	-	-	-	-	16
6	OE/RESET	3	-	-	15
7	-	-	6	CEO	14
8	CE	4	-	-	13
9	-	-	-	-	12
10	GND	5	-	-	11

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