PA-MACH68(Z) Data Sheet

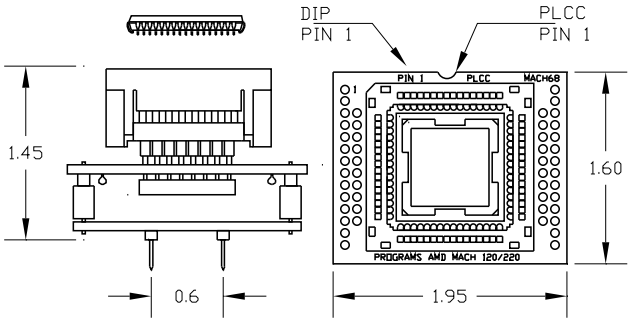
68 pin PLCC socket/28 pin DIP 0.6” plug

Supported Device/Footprints

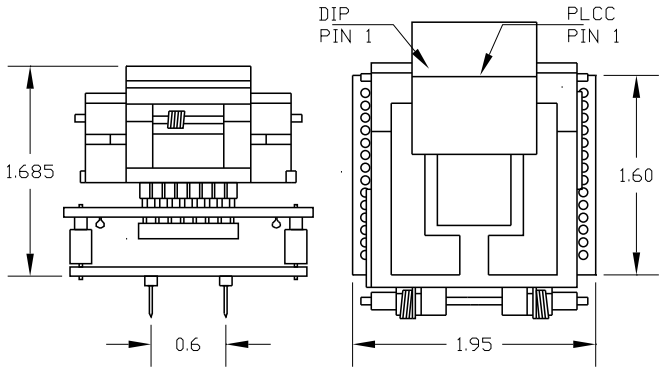
Using this adapter, the AMD MACH120 & 220 in either PLCC or CLCC package can be programmed on DIP programmers.

Device			Footprint	
Mfgr	Device	Package	Device	Plug
AMD	MACH120 & 220	PLCC, CLCC	MACH120 & 220	28 pin DIP

Adapter Dimensions



PA-MACH68



PA-MACH68Z

Adapter Parts & Part Numbers

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

Adapter	Test Socket	Top Board	Bottom Board
MACH68	68-104	MACH68	28-170
MACH68Z	68-390	MACH68Z	28-170

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 #: IC120-0684-104 LSC Part #: 68-104
PLCC Lidded ZIF test socket:
Yamaichi Part #: IC51-0684-390 LSC Part #: 68-390

MACH68(Z)

Accepts the test socket and connects to the bottom board .

28-170

Performs the wiring shown in the Adapter Wiring section.

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**	GND	14	28	VCC	68
2**	10K	-	-	10K	67
3**	10K	-	-	10K	66
4**	10K	-	-	10K	65
5**	10K	-	-	10K	64
6	ID220-1	24	-	10K	63
7	D220-1	16	23	D220-8	62
8**	GND	14	14	GND	61
9	D220-2	17	22	D220-7	60
10	ID220-2	25	-	10K	59
11**	10K	-	-	10K	58
12**	10K	-	-	10K	57
13	ID120-1	13	-	10K	56
14	D120-1	7	11	D120-4	55
15**	10K	-	6	MD2	54
16	CLK1	1	14	GND	53
17	VPP	2	28	VCC	52
18	VCC	28	5	MD1	51
19**	GND	14	4	CLK2	50
20	ENABLE	3	-	10K	49
21	D120-2	8	10	D120-3	48
22	IL120	9	-	10K	47
23**	10K	-	-	10K	46
24**	10K	-	-	10K	45
25**	10K	-	-	10K	44
26	D220-3	18	21	D220-6	43
27**	GND	14	-	GND	42
28	D220-4	19	20	D220-5	41
29	IL220	15	-	10K	40
30**	10K	-	-	10K	39
31	SEC	12	-	10K	38
32**	10K	-	-	10K	37
33**	10K	-	-	10K	36
34	VCC	28	14	GND	35

* *INDICATES THAT THE PIN HAS A 10K RESISTOR TIED TO GND (PIN 14)
VCC to GND .1uf bypass

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