

PA-XAS3FC-PD Data Sheet

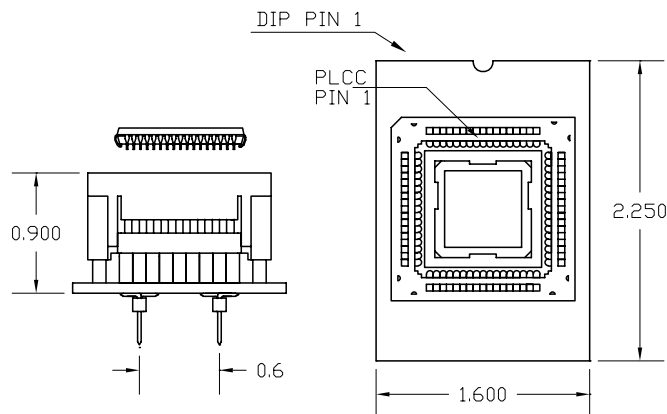
68 pin PLCC socket/40 pin DIP 0.6" plug

Supported Device/Footprints

These adapters are for device programming the EPROM of a Philips 51 XAS3. They accept the XAS3 in 68 pin PLCC or CLCC and plug into an 87C51FC 40 pin DIP footprint.

Manufacturer	Device		Footprint	
	Device	Device	Device	Package
Philips	51XA-S3PLCC	87C51FC	40 DIP 0.6"	

Adapter Dimensions



Press rim to open socket, press device to close

PA-XAS3FC-PD

Memory Map

Both the 51XA-S3 and the 87C51FC (FC) contain 32K bytes of EPROM. Using the FC algorithm all of the 51XA-S3's EPROM (0000-7FFF) can be programmed.

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

PLCC Auto-Eject test socket:

Yamaichi Part #: IC120-0684-304 LSC #: 68-304

XAS3-68

Accepts the test socket and 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.

Adapter Socket		Adapter Plug	
51XAS3-PLCC		87C51-FC-DIP	
Pin	Signal	Pin	Signal
1	VSS	20	VSS
2	VDD	40	VDD
11	P3.0	21	P2.0/A8
12	P3.1	22	P2.1/A9
13	P3.2	23	P2.2/A10
14	P3.3	24	P2.3/A11
15	P3.4	25	P2.4/A12
16	P3.5	26	P2.5/A13
20	VSS	20	VSS
21	VDD	40	VDD
22	EA*/VPP	31	EA*/VPP
35	P1.0	27	P2.6
36	P1.1	28	P2.7
37	P1.2	16	P3.6
38	P1.3	17	P3.7
39	P1.4	13	P3.3
45	P0.0	39	P0.0/D0
46	P0.1	38	P0.1/D1
47	ALE/PGM*	30	ALE/PGM*
48	PSEN*	29	PSEN*
50	RST*	20	VSS
51	P0.2	37	P0.2/D2
52	P0.3	36	P0.3/D3
53	P0.4	35	P0.4/D4
54	VDD	40	VDD
55	VSS	20	VSS
56	P0.5	34	P0.5/D5
57	P0.6	33	P0.6/D6
58	P0.7	32	P0.7/D7
59	P2.0	1	P1.0/A0
60	P2.1	2	P1.1/A1
61	P2.2	3	P1.2/A2
62	P2.3	4	P1.3/A3
63	P2.4	5	P1.4/A4
64	P2.5	6	P1.5/A5
65	P2.6	7	P1.6/A6
66	P2.7	8	P1.7/A7
67	XTAL2	18	XTAL2
68	XTAL1	19	XTAL1

S3 pins that are not shown are not connected.

0.1uf capacitor, VCC to Ground.

Optional capacitor VPP to Ground is not installed.

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Logical Systems Corporation
 PO Box 6184, Syracuse, NY 13217-6184 USA
 Tel (315) 478-0722, FAX (315) 479-6753
 S Y S T E M S www.logicalsyst.com, Email: info@logicalsyst.com

PA-XAS3FC-PD Data Sheet
 Doc: XAS3FCPD.DOC
 Rev 1/21/98
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