

PA-5112-48Q Data Sheet

48 pin QFP socket/40 pin DIP 0.6" plug

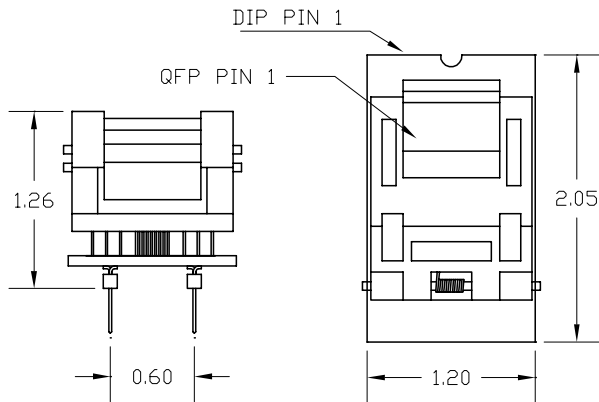
Supported Device/Footprints

This adapter allows programming of an Atmel T87C5112 in the 48 pin QFP package using the 40 pin DIP footprint specified by Atmel.

For this adapter to be useful, a programmer must offer specific support for this device and adapter combination.

Atmel: AT87C5112 48 QFP; Temic Package Code: R20 R23
Footprint: Atmel specified 40 DIP 0.6"

Adapter Dimensions



PA-5112-48Q

Adapter Construction

This adapter is made up of 2 sub-assemblies. They assemble via connectors making the adapter modular. This way the sub-assemblies can be replaced easily.

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.

The following chart lists the adapter described by this datasheet and its subassemblies.

Adapter	Test Socket	Circuit Board
PA-5112-48Q	48QJ-806	87QD5112

Test Socket

LSC Socket	Style	Mfgr/Pn
48QJ-806	Lidded ZIF	Yamaichi IC51-0484-806

Adapter Wiring

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

QFP Socket	Signal	DIP Plug	DIP Plug	Signal	QFP Socket
42	P1.0	1	40	VCC	9, 43
41	P1.1	2	39	P0.7	34
26	P1.2	3	38	P0.6	33
25	P1.3	4	37	P0.5	32
24	P1.4	5	36	P0.4	31
23	P1.5	6	35	P0.3	30
18	P1.6	7	34	P0.2	29
17	P1.7	8	33	P0.1	28
44	RST	9	32	P0.0	27
36	P3.0	10	31	EA*	13
35	P3.1	11	30	ALE	19
22	P3.2	12	29	PSEN*	20
21	P3.3	13	28	P2.7	3
16 (b)	P3.4	14	27	P2.6	4
15 (a)	P3.5	15	26	P2.5	5
14	P3.6	16	25	P2.4	6
12	P3.7	17	24	P2.3	7
15 (b)	XTAL2	18	23	P2.2	8
16 (a)	XTAL1	19	22	P2.1	10
2	VSS	20	21	P2.0	11

(a) QFP pin 15 connect to both DIP 15 and 18

(b) QFP pin 16 connect to both DIP 14 and 19

QFP pins 1, 37, 38, 39, 40, 45, 46, 47, and 48 are not connected.