

# PA51CC3-QD Data Sheet

64 pin QFP socket/40 pin DIP 0.6" plug

## Supported Device/Footprints

Using this adapter, the Atmel AT89C51CC03 in the QFP package can be programmed using the 40 pin DIP footprint specified by Atmel.

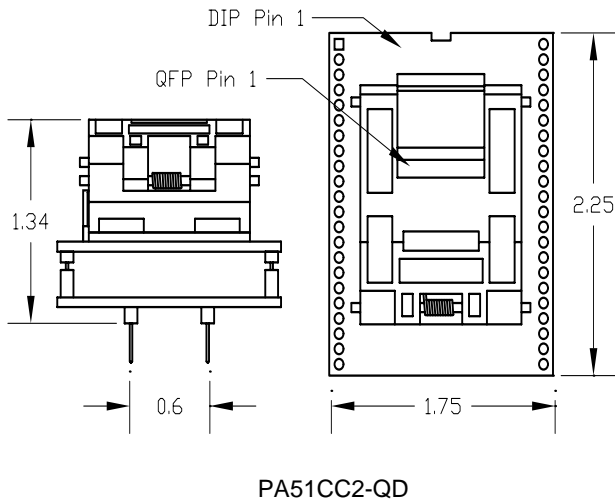
For this adapter to be useful, a programmer must offer specific support for this device and adapter combination.

**Atmel:** AT89C51CC03 QFP64

**Footprint:** Atmel specified 40 DIP 0.6"

Device			Footprint	
Mfgr	Device	Package	Device	Plug
Atmel	AT89C51CC03	QFP	AT89C51CC03	40 DIP

## Adapter Dimensions



## Adapter Construction

These adapters are made up of 3 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.

Adapter	Test Socket	Top Board	Bottom Board
PA-51CC3-QD	64QJ-807	CC03-64Q	51BASE

## Test Socket

LSC Socket	Style	Mfgr/Pn
64QJ-807	Lidded ZIF	Yamaichi IC51-0644-807

## Adapter Wiring

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

DEVICE	SIGNAL	PLUG	PLUG	SIGNAL	DEVICE
1	P1.4	5	4	P1.3	64
2	N/C	-	3	P1.2	63
3	P1.5	6	2	P1.1	62
4	P1.6	7	1	P1.0	61
5	P1.7	8	-	VAREF	60
6	N/C	-	20	VAGND	59
7	EA	31	9	RST	58
8	N/C	-	20	VSS	57
9	N/C	-	20	VSS	56
10	P3.0	10	20	VSS	55
11	P4.3	TP*	20	VSS	54
12	P3.1	11	40	VDD	53
13	P3.2	12	40	VDD	52
14	P3.3	13	40	VDD	51
15	P3.4	14	19	XTAL1	50
16	P3.5	15	18	XTAL2	49
17	P3.6	16	-	N/C	48
18	P3.7	17	30	ALE	47
19	P4.0	TP*	29	PSEN	46
20	P4.1	TP*	32	P0.7	45
21	P2.7	28	33	P0.6	44
22	P2.6	27	-	N/C	43
23	N/C	-	34	P0.5	42
24	N/C	-	-	N/C	41
25	N/C	-	-	N/C	40
26	N/C	-	35	P0.4	39
27	P2.5	26	36	P0.3	38
28	P2.4	25	37	P0.2	37
29	P2.3	24	38	P0.1	36
30	P2.2	23	TP*	P4.0	35
31	P2.1	22	39	P0.0	34
32	P4.2	TP*	21	P2.0	33

\* TP = Test Point provided on adapter top board. There are no DIP plug connections for P4.[0:4].

**LOGICAL**

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

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