

PA44-40-30QD-03 Data Sheet

44 pin TQFP socket/40 pin DIP 0.6" plug

Supported Device/Footprints

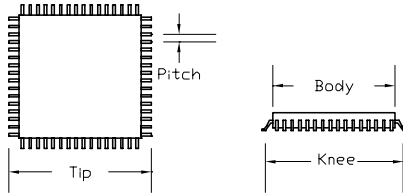
This adapter allows programming of some 44 QFP devices in their 40 DIP footprint.

The following devices are supported using the indicated footprint.

Atmel: AT90S4434, AT90LS4434, AT90S8535, AT90LS8535
Atmega32(L)

Footprint: Same device 40DIP 0.6"

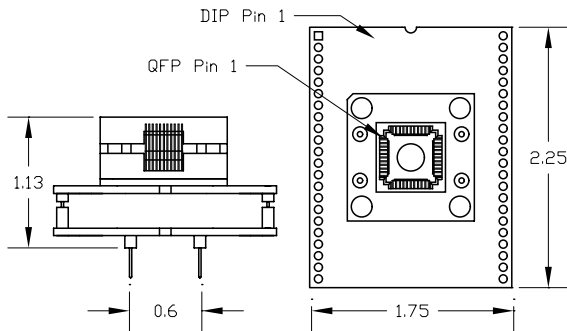
The QFP socket accepts packages with the dimensions listed below:



Socket	Body	Knee	Tip	Pitch
44QF-03 TQFP	10.0 mm typ	11 mm typ 11.3 mm max	12 mm typ 12.8 mm max	0.8 mm

Other devices in the same package that require the same wiring would also be supported.

Adapter Dimensions



PA44-40-30QD-03

Adapter Construction

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

Adapter	Test Socket	Top Board	Bottom Board
PA44-40-30QD-03	44QF-03	44QF-03	44-40-30

Test Sockets

LSC #	Style	Mfgr/Pn
44QF-03	Open-Top	Enplas OTQ-44-0.8-03

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.

Adapter Wiring

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

DEVICE	PLUG	PLUG	DEVICE
39	11*	10**	38
40	1	40	37
41	2	39	36
42	3	38	35
43	4	37	34
44	5	36	33
1	6	35	32
2	7	34	31
3	8	33	30
4	9	32	29
5	10**	31	28
6	11*	30	27
7	12	29	26
8	13	28	25
9	14	27	24
10	15	26	23
11	16	25	22
12	17	24	21
13	18	23	20
14	19	22	19
15	20	11*	18
16	21	10**	17

* GND

** VCC

Skip and short notation, using header pin numbers:
(1, 23, 24, 44) (1-12-24),(11-23-44)



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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