

PA44-40-31Q03 Data Sheet

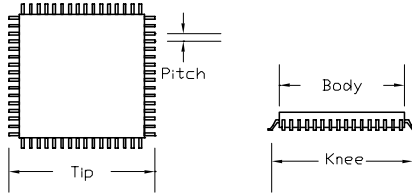
44 pin QFP socket/40 pin DIP 0.6" plug

Supported Device/Footprints

This adapter allows programming of several QFP devices in their DIP footprint. A partial list is:

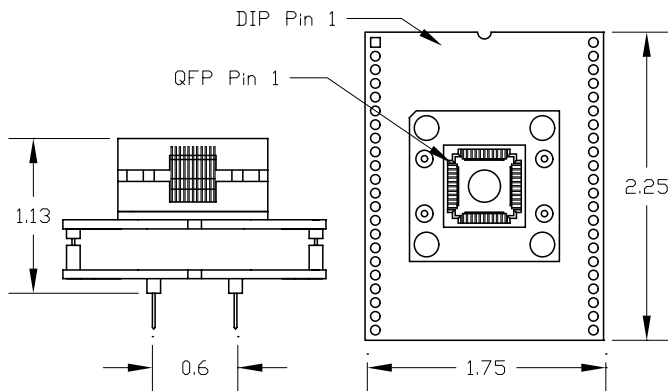
Mfgr	Device		Footprint	
	Device	Package	Device	Plug
National	COP8SAA744VEJ	QFP	same	40 Pin DIP
"	COP8SAB744VEJ	"	same	"
"	COP8SAC744VEJ	"	same	"

The QFP socket accepts packages with the dimensions listed below:



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

Adapter Dimensions



PA44-40-31Q03 is above

Adapter Parts & Part Numbers

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

Adapter	Socket	Top Board	Bottom Board
PA44040-31Q03	44QF-03	44QF-03	44-40-31

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

QFP test socket:

Enplas Part #: OTQ-44 0.8 03

LSC Part #: 44QF-03

44QF-03

Accepts the test socket and connects to the bottom board using a pair of headers. The headers pins are numbered with the PLCC package pin numbers of this device.

44-40-31

Performs the wiring shown in the Adapter Wiring section. Header pins 21, 22, 23 and 24 are skipped.

Adapter Wiring

The following chart shows the connections from the QFP device to the adapter's DIP plug. QFP pins 15, 16, 17 and 18 are skipped.

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



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