

# PA32Q1498-28D6-21 Data Sheet

32 pin QFP socket/28 pin DIP 0.6" plug

## Supported Device/Footprints

This adapter allows programming of 32 pin QFP devices in their 28 pin DIP footprint.

The following devices are supported using the indicated footprint.

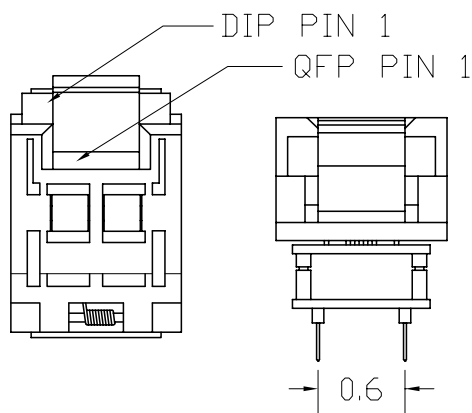
**Atmel:** AT mega8(L), AT mega88(L).

**Footprint:** Same device 28DIP 0.6"

The QFP socket accepts packages with the dimensions listed below:

Socket	Body	Knee	Tip	Pitch
32Q-1498	7.0 mm typ	8.0 mm typ	9.0 mm typ	0.8 mm

## Adapter Dimensions



PA32QF1498-28D6-21

## 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 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 shows the various socket and board part numbers that make up these adapters.

Adapter	Test Socket	Top Board	Bottom Board
PA32Q1498-28D6-21	32Q-1498	32-1498	32-28-21-6

## Test Socket

LSC #	Style	Mfgr/Pn
32Q-1498	Lidded ZIF	Yamaichi IC51-0324-1498

## 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	PD3	5	4	PD2	32
2	PD4	6	3	PD1	31
3	GND	8	2	PD0	30
4	VCC	7	1	PC6	29
5	GND	8	28	PC5	28
6	VCC	7	27	PC4	27
7	PB6	9	26	PC3	26
8	PB7	10	25	PC2	25
9	PD5	11	24	PC1	24
10	PD6	12	23	PC0	23
11	PD7	13	NC	ADC7	22
12	PB0	14	22	AGND	21
13	PB1	15	21	AREF	20
14	PB2	16	NC	ADC6	19
15	PB3	17	20	AVCC	18
16	PB4	18	19	PB5	17