

PA1051-20s-40p Data Sheet

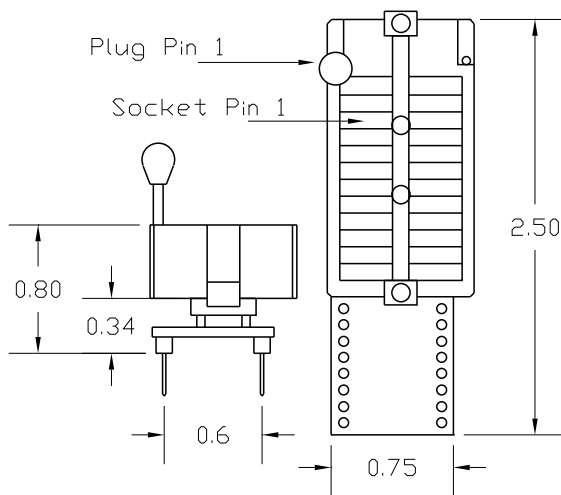
20 pin DIP 0.3" socket/40 pin DIP 0.6" plug

Supported Device/Footprints

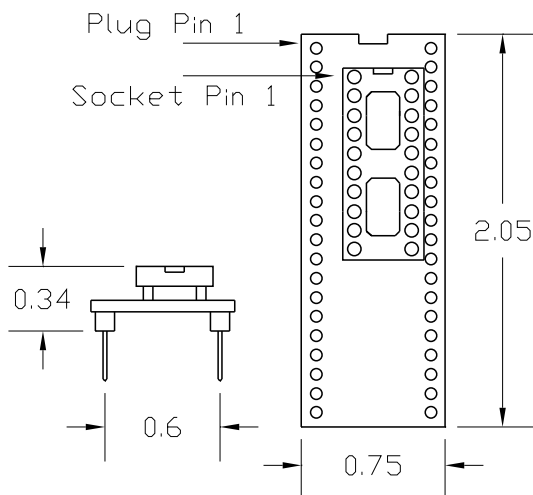
The PA1051-20s-40p adapter connects similar signals of an Atmel AT89C1051 in a 20 pin DIP package and an 8051 40 pin DIP. It may be used for device programming or prototyping.

Socket			Plug	
Mfgr	Device	Package	Device	Package
Atmel	89C1051	20 DIP	8051	40 DIP

Adapter Dimensions



PA1051-20Z-40S



PA1051-20P-40S

Adapter Parts & Part Numbers

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

Adapter	Socket	Board
PA1051-20P-40S	20 Production	1051-20-40S
PA1051-20P-40R	20 Production	1051-20-40R
PA1051-20Z-40S	20ADZ3	1051-20-40S
PA1051-20Z-40R	20ADZ3	1051-20-40R

Adapter Construction

Test Socket

DIP ZIF test socket: (24 pin housing depopulated to 20 pins)
Aries Part #: 24-3554-11 LSC Part #: 20ADZ3

1051-20-40S

Accepts the test socket and performs the wiring in the Adapter Wiring section. The DIP plug has .020" square pins.

or

1051-20-40R

Accepts the test socket and performs the wiring in the Adapter Wiring section. The DIP plug has .018" round pins.

Adapter Wiring

The following charts show the connections between the DIP device and the adapter's DIP plug.

Sorted by AT89C1051 Pin numbers:

AT89C1051	SIGNAL	8051	8051	SIGNAL	AT89C1051
1	RST	9	40	Vcc	20
2	P3.0	10	8	P1.7	19
3	P3.1	11	7	P1.6	18
4	XTAL2	18	6	P1.5	17
5	XTAL1	19	5	P1.4	16
6	P3.2	12	4	P1.3	15
7	P3.3	13	3	P1.2	14
8	P3.4	14	2	P1.1	13
9	P3.5	15	1	P1.0	12
10	Vss	20	17	P3.7	11

Sorted by 8051 Pin numbers:

8051	SIGNAL	AT89C1051	AT89C1051	SIGNAL	8051
1	P1.0	12	20	Vcc	40
2	P1.1	13	-	P0.0	39
3	P1.2	14	-	P0.1	38
4	P1.3	15	-	P0.2	37
5	P1.4	16	-	P0.3	36
6	P1.5	17	-	P0.4	35
7	P1.6	18	-	P0.5	34
8	P1.7	19	-	P0.6	33
9	RST	1	-	P0.7	32
10	P3.0	2	-	EA-/Vpp	31
11	P3.1	3	-	ALE/PROG-	30
12	P3.2	6	-	PSEN-	29
13	P3.3	7	-	P2.7	28
14	P3.4	8	-	P2.6	27
15	P3.5	9	-	P2.5	26
16	P3.6	-	-	P2.4	25
17	P3.7	11	-	P2.3	24
18	XTAL2	4	-	P2.2	23
19	XTAL1	5	-	P2.1	22
20	Vss	10	-	P2.0	21

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Page 1 of 1