



(VDD = +3.3V)

PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1C	—	INC	4M	I/O	D62	12D	I/O	D37	27C	I/O	D24	35A	I/O	D15
1E	I/O	D54	4P	O	IERR	12AK	I/O	BE3	27AL	I/O	A14	35C	I/O	D10
1G	—	VDD	4R	O	PM1/BP1	12AM	—	GND	27AN	—	VDD	35E	I/O	D6
1J	—	VDD	4T	O	M/I/O	13A	—	VDD	28B	—	GND	35G	I/O	D1
1L	—	VDD	4V	I	AHOLD	13C	I/O	D34	28D	I/O	D19	35J	I/O	D2
1N	—	VDD	4X	I	BRDY	13AL	I/O	BE4	28AK	I/O	A13	35L	I/O	PICD1
1Q	—	VDD	4Z	I	BOFF	13AN	—	VDD	28AM	—	GND	35N	I	TDI
1S	—	VDD	4AB	I	HOLD	14B	—	GND	29A	—	VDD	35Q	I	CPUTYP
1U	—	VDD	4AD	I/O	PBGNT	14D	I/O	D35	29C	I/O	D21	35S	—	NC
1W	—	VDD	4AF	O	PCHK	14AK	O	BE5	29AL	I/O	A12	35U	—	GND
1Y	—	VDD	4AH	O	LOCK	14AM	—	GND	29AN	—	VDD	35W	—	NC
1AA	—	VDD	4AK	O	D/C	15A	—	VDD	30B	I/O	D20	35Y	I	FRCMC
1AC	—	VDD	4AM	I	EADS	15C	I/O	D32	30D	I/O	DP1	35AA	I	IGNNE
1AE	—	VDD	5A	I/O	D41	15AL	O	BE6	30AK	I/O	A9	35AC	I	R/S
1AG	—	VDD	5C	I/O	D45	15AN	—	VDD	30AM	—	GND	35AE	O	D/P
1AJ	O	BREQ	5E	I/O	D49	16B	—	GND	31A	I/O	D22	35AG	I/O	A24
1AL	—	INC	5G	I/O	D53	16D	I/O	D33	31C	I/O	D17	35AJ	I/O	A25
1AN	—	INC	5J	I/O	D58	16AK	O	BE7	31AL	I/O	A11	35AL	I/O	A3
2B	—	INC	5L	I/O	D60	16AM	—	GND	31AN	I/O	A10	35AN	—	NC
2D	I/O	D50	5N	I/O	DP7	17A	—	VDD	32B	I/O	D16	36B	I/O	D11
2F	I/O	DP6	5Q	O	FERR	17C	I/O	D31	32D	I/O	D12	36D	I/O	DP0
2H	—	GND	5S	O	BP3	17AL	O	SCYC	32AK	I/O	A5	36F	I/O	D4
2K	—	GND	5U	I	INV	17AN	—	VDD	32AM	I/O	A8	36H	—	GND
2M	—	GND	5W	I	KEN	18B	—	GND	33A	I/O	D18	36K	—	GND
2P	—	GND	5Y	I	NA	18D	I/O	DP3	33C	I/O	D14	36M	—	GND
2R	—	GND	5AA	I	WB/WT	18AK	I	CLK	33E	I/O	D7	36P	—	GND
2T	—	GND	5AC	O	PRDY	18AM	—	GND	33G	I/O	D3	36R	—	GND
2V	—	GND	5AE	O	APCHK	19A	—	VDD	33J	I/O	PICD0	36T	—	GND
2X	—	GND	5AG	O	PCD	19C	I/O	D29	33L	—	VDD	36V	—	GND
2Z	—	GND	5AJ	O	ADS	19AL	—	NC	33N	O	TDO	36X	—	GND
2AB	—	GND	5AL	O	HITM	19AN	—	VDD	33Q	I	TRST	36Z	—	GND
2AD	—	GND	5AN	—	INC	20B	—	GND	33S	—	NC	36AB	—	GND
2AF	—	GND	6B	—	GND	20D	I/O	D30	33U	—	VDD	36AD	—	GND
2AH	—	GND	6D	I/O	D44	20AK	I	RESET	33W	—	NC	36AF	—	GND
2AK	I/O	AP	6F	I/O	DP5	20AM	—	GND	33Y	I	BF0	36AH	I/O	A22
2AM	O	ADSC	6AK	O	HIT	21A	—	VDD	33AA	I	INIT	36AK	I/O	A28
3A	—	INC	6AM	O	W/R	21C	I/O	D27	33AC	I	NMI/LINT1	36AM	I/O	A30
3C	I/O	D47	7A	—	VDD	21AL	I/O	A20	33AE	I/O	A23	37A	—	NC
3E	I/O	D52	7C	I/O	DP4	21AN	—	VDD	33AG	I/O	A27	37C	I/O	D9
3G	I/O	D55	7E	I/O	D46	22B	—	GND	33AJ	I/O	A31	37E	—	VDD
3J	I/O	D57	7AL	I	BUSCHK	22D	I/O	D28	33AL	I/O	A7	37G	—	VDD
3L	I/O	D61	7AN	I	FLUSH	22AK	I/O	A19	33AN	I/O	A6	37J	—	VDD
3N	I/O	D63	8B	—	GND	22AM	—	GND	34B	I/O	D13	37L	—	VDD
3Q	O	PM0/BP0	8D	I/O	D40	23A	—	VDD	34D	I/O	D8	37N	—	VDD
3S	O	BP2	8AK	I	A20M	23C	I/O	D25	34F	I/O	D5	37Q	—	VDD
3U	O	CACHE	8AM	—	GND	23AL	I/O	A18	34H	I	PICCLK	37S	—	VDD
3W	I	EWBE	9A	—	VDD	23AN	—	VDD	34K	I/O	D0	37U	—	VDD
3Y	I	BRDYC	9C	I/O	D38	24B	—	GND	34M	I	TCK	37W	—	VDD
3AA	I/O	PHIT	9E	I/O	D42	24D	I/O	D26	34P	I	TMS	37Y	—	VDD
3AC	I/O	PHITM	9AL	I/O	BE0	24AK	I/O	A17	34R	—	NC	37AA	—	VDD
3AE	I/O	PBREQ	9AN	—	VDD	24AM	—	GND	34T	—	VDD	37AC	—	VDD
3AG	O	SMIACK	10B	—	GND	25A	—	VDD	34V	I	STPCLK	37AE	—	VDD
3AJ	O	HLDA	10D	I/O	D39	25C	I/O	DP2	34X	I	BF	37AG	—	VDD
3AL	O	PWT	10AK	I/O	BE1	25AL	I/O	A16	34Z	I	PEN	37AJ	—	GND
3AN	—	INC	10AM	—	GND	25AN	—	VDD	34AB	I	SMI	37AL	—	GND
4B	I/O	D43	11A	—	VDD	26B	—	GND	34AD	I	INTR/LINT0	37AN	—	GND
4D	I/O	D48	11C	I/O	D36	26D	I/O	D23	34AF	I/O	A21			
4F	I/O	D51	11AL	I/O	BE2	26AK	I/O	A15	34AH	I/O	A26			
4H	I/O	D56	11AN	—	VDD	26AM	—	GND	34AK	I/O	A29			
4K	I/O	D59	12B	—	GND	27A	—	VDD	34AM	I/O	A4			

A80502-66100 (2/5)

31N	D83		
30M	D82		
3L	D81		
5L	D80		
4K	D69		
5J	D68		
3J	D57		
4H	D56		
3G	D55		
1E	D54		
5G	D53		
3E	D52		
4F	D51		
2D	D50		
3E	D49		
4D	D48		
3C	D47		
7E	D46		
5C	D45		
6D	D44		
4B	D43		
6E	D42		
5A	D41		
8D	D40		
10D	D39		
8C	D38		
12D	D37		
11C	D36		
14D	D35		
13C	D34		
16D	D33		
15C	D32		
17C	D31		
20D	D30		
19C	D29		
22D	D28		
21C	D27		
24D	D26		
23C	D25		
27C	D24		
26D	D23		
31A	D22		
28C	D21		
30B	D20		
29D	D19		
33A	D18		
31C	D17		
32B	D16		
35A	D15		
33C	D14		
34B	D13		
32D	D12		
36B	D11		
35C	D10		
37C	D9		
32D	D8		
38E	D7		
35E	D6		
34F	D5		
36F	D4		
35G	D3		
35J	D2		
35G	D1		
34K	D0		
8AK		A31	33AJ
4V		A30	36AM
33Y		A29	34AK
34X		A28	36AK
42		A27	33AG
47		A26	34AH
3Y		A25	35AJ
3Y		A24	35AG
7AL		A23	33AE
18AK		A22	36AH
35Q		A21	34AF
4AM		A20	21AL
3W		A19	22AK
7AN		A18	23AL
35Y		A17	24AK
4AB		A16	25AL
35AA		A15	26AK
33AA		A14	27AL
34AD		A13	28AK
5U		A12	29AL
5V		A11	31AL
34AD		A10	31AN
33AC		A9	30AK
5Y		A8	32AM
33AC		A7	33AL
34Z		A6	33AN
34H		A5	32AK
35L		A4	34AM
35AC		A3	35AL
20AK			
34AB		5N	
34V		2F	
34M		6F	
35N		7C	
34P		DP4	
33Q		DP3	
5AA		DP2	
		DP1	
		DP0	
		5N	
		2F	
		6F	
		7C	
		DP4	
		DP3	
		DP2	
		DP1	
		DP0	
		36D	
		30D	
		25C	
		18D	
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		36D	
		30D	
		25C	
		18D	
		7C	
		6F	
		2F	
		5N	
		36D	
		30D	
		25C	
		18D	
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		5N	
		36D	
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		25C	
		18D	
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		5N	
		36D	
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		25C	
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		25C	
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		18D	
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		5N	
		36D	
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		25C	
		18D	
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		2F	
		5N	
		36D	
		30D	
		25C	
		18D	
		7C	
		6F	
		2F	
		5N	
		36D	
		30D	
		25C	
		18D	
		7C	

INPUT  
A20M ; ADDRESS BIT 20 MASK  
AHOLD ; ADDRESS HOLD  
BF0, BF1 ; BUS FREQUENCY  
BOFF ; BACKOFF  
BRDY ; BURST READY  
BRDYC ; THIS SIGNAL HAS THE SAME FUNCTIONALITY AS BRDY  
BUSCHK ; BUS CHECK  
CLK ; CLOCK  
CPUTYP ; CPU TYPE  
EADS ; EXTERNAL ADDRESS  
EWBE ; EXTERNAL WRITE BUFFER EMPTY  
FLUSH ; CACHE FLUSH  
FRCMC ; FUNCTIONAL REDUNDANCY CHECKING MASTER/CHECKER  
HOLD ; BUS HOLD REQUEST  
IGNNE ; IGNORE NUMERIC ERROR  
INIT ; INITIALIZATION  
INTR/LINT0 ; MASKABLE INTERRUPT  
INV ; INVALIDATION  
KEN ; CACHE ENABLE  
LINT0/INTR ; LOCAL INTERRUPT 0/INTERRUPT  
LINT1/NMI ; LOCAL INTERRUPT 1/NON-MASKABLE INTERRUPT  
NA ; NEXT ADDRESS  
NMI/LINT1 ; NON-MASKABLE INTERRUPT/LOCAL INTERRUPT 1  
PEN ; PARITY ENABLE  
PICCLK ; PROGRAMMABLE INTERRUPT CONTROLLER CLOCK  
PICD1 ; PROGRAMMABLE INTERRUPT CONTROLLER DATA  
R/S ; RUN/STOP  
RESET ; RESET  
SMI ; SYSTEM MANAGEMENT INTERRUPT  
STPCLK ; STOP CLOCK  
TCK ; TESTABILITY CLOCK  
TDI ; TEST DATA  
TMS ; TEST MODE SELECT  
TRST ; TEST RESET  
WB/WT ; WRITE BACK/WRITE THROUGH

INPUT/OUTPUT

A3-A31 ; ADDRESS  
AP ; ADDRESS PARITY  
BE0-BE4 ; BYTE ENABLE  
D0-D63 ; DATA LINES  
DP0-DP7 ; DATA PARITY  
PBGNT ; PRIVATE BUS GRANT  
PBREQ ; PRIVATE BUS REQUEST  
PHIT ; PRIVATE HIT  
PHITM ; PRIVATE MODIFIED HIT  
PICD0, PICD1 ; PROGRAMMABLE CONTROLLER DATA LINES

**OUTPUT**

$\overline{\text{ADS}}$	; ADDRESS STATUS
$\overline{\text{ADSC}}$	; $\overline{\text{ADSC}}$ IS FUNCTIONALLY IDENTICAL TO $\overline{\text{ADS}}$
$\overline{\text{APCHK}}$	; ADDRESS PARITY CHECK
$\overline{\text{BE5-BE7}}$	; BYTE ENABLE
BP2, BP3	; BREAKPOINT
BREQ	; BUS REQUEST
$\overline{\text{CACHE}}$	; CACHE
$\overline{\text{D/C}}$	; DATA/CODE
$\overline{\text{D/P}}$	; DUAL/PRIMARY
$\overline{\text{FERR}}$	; FLOATING POINT ERROR
$\overline{\text{HIT}}$	; HIT
$\overline{\text{HITM}}$	; HIT TO A MODIFIED LINE
$\overline{\text{HLDA}}$	; BUS HOLD ACKNOWLEDGE
$\overline{\text{IERR}}$	; INTERNAL ERROR
$\overline{\text{LOCK}}$	; BUS LOCK
$\overline{\text{M/IO}}$	; MEMORY/INPUT-OUTPUT
$\overline{\text{PCD}}$	; PAGE CACHE DISABLE
$\overline{\text{PCHK}}$	; PARITY CHECK
PM0/BP0, PM1/BP1	; PERFORMANCE MONITORING/BREAKPOINT
PRDY	; PROBE READY
PWT	; PAGE WRITE THROUGH
$\overline{\text{SCYC}}$	; SPLIT CYCLE
$\overline{\text{SMIACT}}$	; SYSTEM MANAGEMENT INTERRUPT ACTIVE
TDO	; TEST DATA
$\overline{\text{W/R}}$	; WRITE/READ