

C-MOS I/O PORT EXPANDER

—TOP VIEW—



PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	—	NC	17	I/O	PC8	33	—	NC	49	I/O	PX0
2	—	NC	18	I/O	PC7	34	—	NC	50	I/O	PX1
3	I/O	PB1	19	—	NC	35	I/O	D3	51	—	NC
4	I/O	PB2	20	I/O	PD0	36	I/O	D4	52	I/O	PX2
5	I/O	PB3	21	I/O	PD1	37	I/O	D5	53	I/O	PX3
6	I/O	PB4	22	I/O	PD2	38	I/O	D6	54	I/O	PA0
7	I/O	PB5	23	I/O	PD3	39	I/O	D7	55	I/O	PA1
8	I/O	PB6	24	I/O	PD4	40	I	CLR	56	I/O	PA2
9	I/O	PB7	25	—	GND	41	I	RST	57	—	GND
10	—	GND	26	—	VDD	42	—	GND	58	—	VDD
11	I/O	PC0	27	I/O	PD5	43	I	WR	59	I/O	PA3
12	I/O	PC1	28	I/O	PD6	44	I	RD	60	I/O	PA4
13	I/O	PC2	29	I/O	PD7	45	I	CS	61	I/O	PA5
14	I/O	PC3	30	I/O	D0	46	I	A0	62	I/O	PA6
15	I/O	PC4	31	I/O	D1	47	I	A1	63	I/O	PA7
16	I/O	PC5	32	I/O	D2	48	I	A2	64	I/O	PB0

CS	RD	WR	A2	A1	A0	MODE
0	0	1	0	0	0	PORT A → DATA BUS
0	0	1	0	0	1	PORT B → DATA BUS
0	0	1	0	1	0	PORT C → DATA BUS
0	0	1	0	1	1	PORT D → DATA BUS
0	0	1	1	0	0	PORT X → DATA BUS
0	0	1	1	0	1	————
0	0	1	1	1	0	————
0	0	1	1	1	1	————
0	1	0	0	0	0	DATA BUS → PORT A
0	1	0	0	0	1	DATA BUS → PORT B
0	1	0	0	1	0	DATA BUS → PORT C
0	1	0	0	1	1	DATA BUS → PORT D
0	1	0	1	0	0	DATA BUS → PORT X
0	1	0	1	0	1	————
0	1	0	1	1	0	DATA BUS → CTL REG. 1
0	1	0	1	1	1	DATA BUS → CTL REG. 2
1	X	X	X	X	X	DATA BUS ; HI-Z

0 ; LOW LEVEL  
 1 ; HIGH LEVEL  
 X ; DON'T CARE  
 HI-Z ; HIGH IMPEDANCE

D0 - D7 ; DATA BUS INPUTS/OUTPUTS  
 $\overline{\text{CS}}$  ; CHIP SELECT INPUT  
 $\overline{\text{RD}}$  ; READ STROBE INPUT  
 $\overline{\text{WR}}$  ; WRITE STROBE INPUT  
 A0 - A2 ; ADDRESS INPUT  
 $\overline{\text{RST}}$  ; RESET INPUT  
 $\overline{\text{CLR}}$  ; CLEAR INPUT  
 PA0 - PA7 ; PORT A INPUTS/OUTPUTS  
 PB0 - PB7 ; PORT B INPUTS/OUTPUTS  
 PC0 - PC7 ; PORT C INPUTS/OUTPUTS  
 PD0 - PD7 ; PORT D INPUTS/OUTPUTS  
 PX0 - PX3 ; PORT X INPUTS/OUTPUTS

