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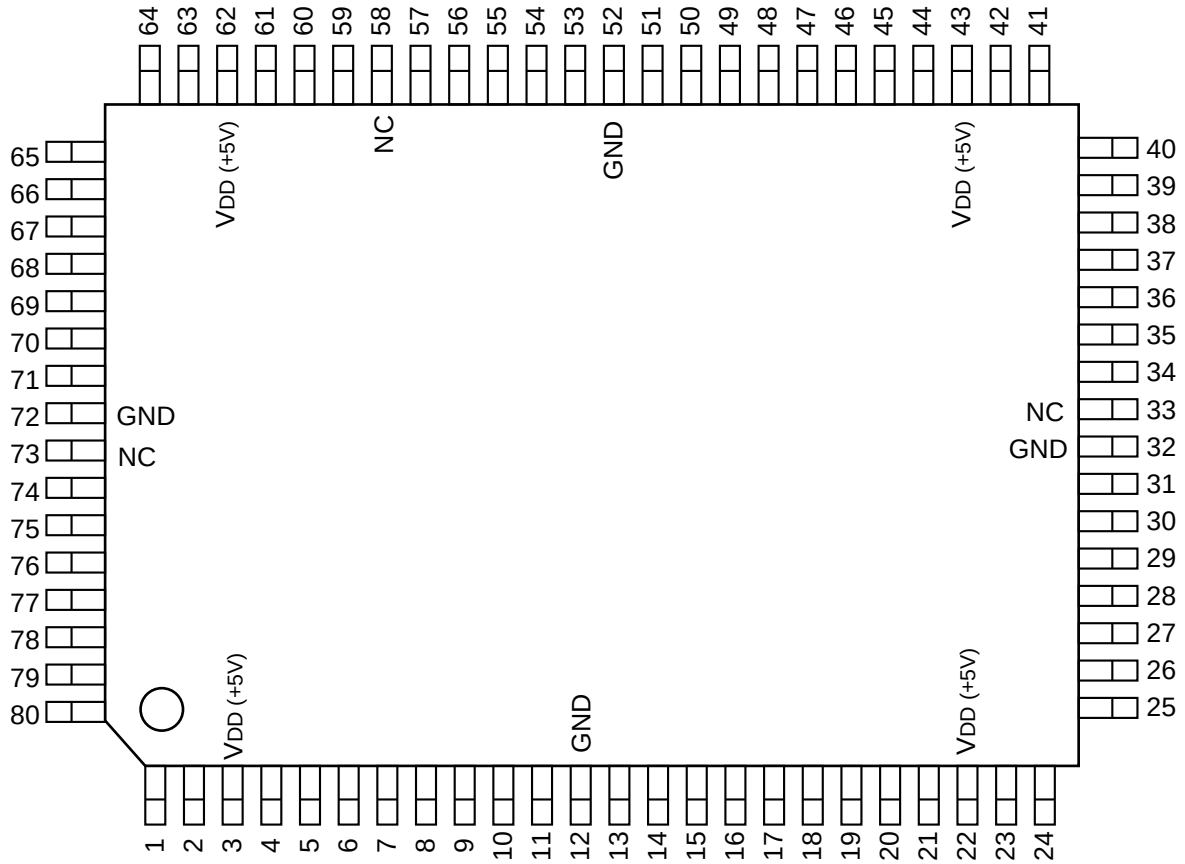
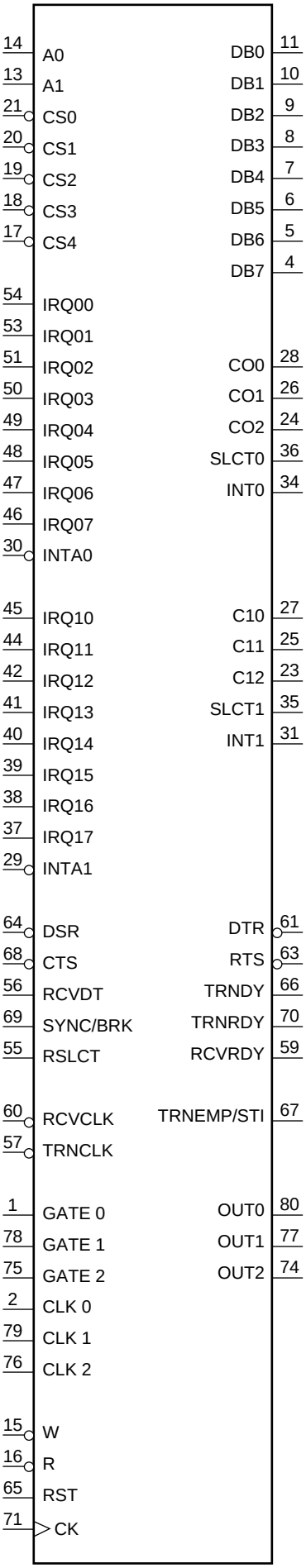
C-MOS ENCAPSULATED PERIPHERAL PROCESSOR

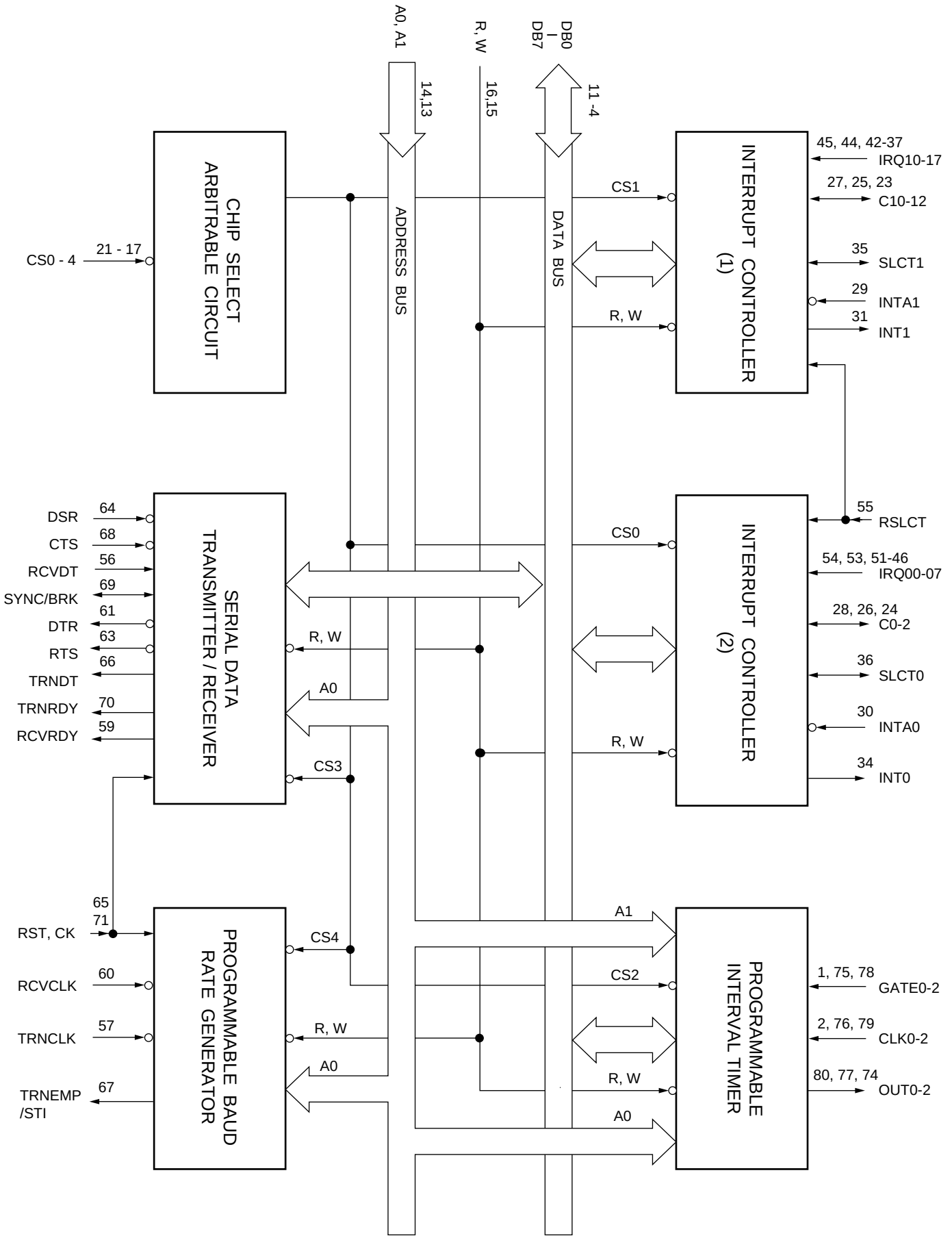
—TOP VIEW—



PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	I	GATE0	21	I	$\overline{CSO}$	41	I	IRQ13	61	O	$\overline{DTR}$
2	I	CLK0	22	—	V_{DD}	42	I	IRQ12	62	—	V_{DD}
3	—	V_{DD}	23	I/O	C12	43	—	V_{DD}	63	O	$\overline{RTS}$
4	I/O	DB7	24	I/O	C02	44	I	IRQ11	64	I	$\overline{DSR}$
5	I/O	DB6	25	I/O	C11	45	I	IRQ10	65	I	RST
6	I/O	DB5	26	I/O	C01	46	I	IRQ07	66	O	TRNDT
7	I/O	DB4	27	I/O	C10	47	I	IRQ06	67	O	TRNEMP/STI
8	I/O	DB3	28	I/O	C00	48	I	IRQ05	68	I	$\overline{CTS}$
9	I/O	DB2	29	I	$\overline{INTA1}$	49	I	IRQ04	69	I/O	SYNC/BRK
10	I/O	DB1	30	I	$\overline{INTA0}$	50	I	IRQ03	70	O	TRNRDY
11	I/O	DB0	31	O	INT1	51	I	IRQ02	71	I	CK
12	—	GND	32	—	GND	52	—	GND	72	—	GND
13	I	A1	33	—	NC	53	I	IRQ01	73	—	NC
14	I	A0	34	O	INT0	54	I	IRQ00	74	O	OUT2
15	I	$\overline{W}$	35	I/O	SLCT1	55	I	RSLCT	75	I	GATE2
16	I	$\overline{R}$	36	I/O	SLCT0	56	I	RCVDT	76	I	CLK2
17	I	$\overline{CS4}$	37	I	IRQ17	57	I	$\overline{TRNCLK}$	77	O	OUT1
18	I	$\overline{CS3}$	38	I	IRQ16	58	—	NC	78	I	GATE1
19	I	$\overline{CS2}$	39	I	IRQ15	59	O	RCVRDY	79	I	CLK1
20	I	$\overline{CS1}$	40	I	IRQ14	60	I	$\overline{RCVCLK}$	80	O	OUT0



A0, A1	; ADDRESS BUS
C00-C02	; CASCADE CONTROL
CLK0-CLK2	; CLOCK IN
CK	; CLOCK FOR REFERANCE OF TIMING
CS0-CS4	; CHIP SELECT
CTS	; CLEAR TO SEND
DB0-DB7	; DATA BUS
DSR	; DATA SET READY
DTR	; DATA TERMINAL READY
GATE0-GATE2	; GATE IN
INT0, INT1	; INTERRUPT
INTA0, INTA1	; INTERRUPT ACKNOWLEDGE
IRQ00-IRQ07	; INTERRUPT REQUESTS
IRQ10-IRQ17	; INTERRUPT REQUESTS
OUT1-OUT2	; COUNT OUT
R	; READ
RCVCLK	; RECEIVER CLOCK
RCVDT	; RECEIVE DATA
RCVRDT	; RECEIVER READY
RSLCT	; REGISTER SELECT
RST	; RESET
RTS	; REQUEST TO SEND
SLCT0, SLCT1	; SELECT
SYNC/BRK	; SYNCHRONIZATION CHARACTOR/ BREAK CODE DETECT
TRNCLK	; TRANSMIT CLOCK
TRNDT	; TRANSMIT DATA
TRNEMP/STI	; TRANSMITTER EMPTY/BAUD RATE CLOCK OUT
TRNRDT	; TRANSMIT READY
W	; WRITE


A0, A1
R, W
DB0 I DB7
14,13
16,15
11 -4
ADDRESS BUS
DATA BUS
CHIP SELECT ARBITRABLE CIRCUIT
CS0 - 4
21 - 17
INTERRUPT CONTROLLER (1)
CS1
R, W
45, 44, 42-37
IRQ10-17
27, 25, 23
C10-12
35
SLCT1
29
INTA1
31
INT1
INTERRUPT CONTROLLER (2)
CS0
R, W
55
RSLCT
54, 53, 51-46
IRQ00-07
28, 26, 24
C0-2
36
SLCT0
30
INTA0
34
INT0
SERIAL DATA TRANSMITTER / RECEIVER
DSR 64
CTS 68
RCVDT 56
SYNC/BRK 69
DTR 61
RTS 63
TRNDT 66
TRNRDY 70
RCVRDY 59
R, W
A0
CS3
PROGRAMMABLE BAUD RATE GENERATOR
65
71
RST, CK
RCVCLK 60
TRNCLK 57
TRNEMP /STI 67
CS4
R, W
A0
PROGRAMMABLE INTERVAL TIMER
A1
CS2
R, W
A0
1, 75, 78
GATE0-2
2, 76, 79
CLK0-2
80, 77, 74
OUT0-2