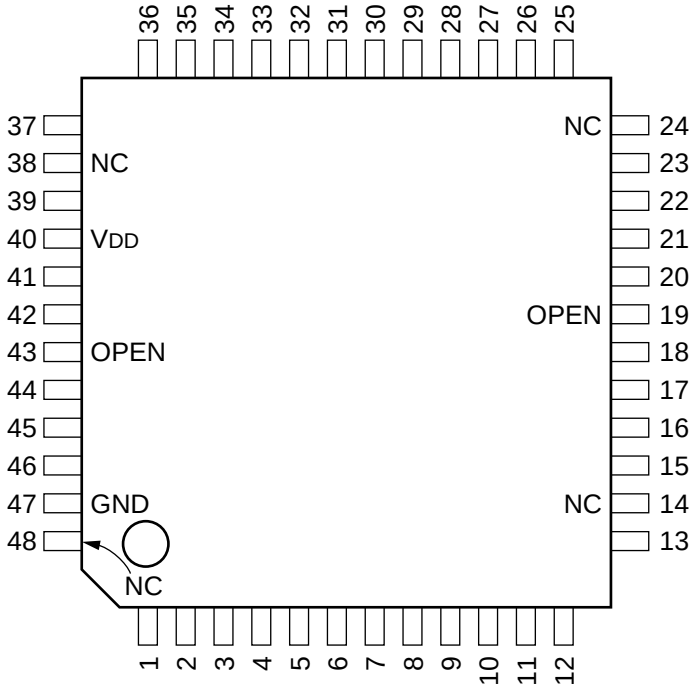
C-MOS DUAL SERIAL DATA TRANSMITTER / RECEIVER UNIT

—TOP VIEW—



NC ; NON CONNECT TERMINAL (OPEN)
OPEN ; NEVER CONNECT TERMINAL

PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	I/O	DB4	17	O	TRNRDY2	33	I	CLOCK
2	I/O	DB5	18	I/O	SYNC/BRK2	34	I	RST
3	I/O	DB6	19	—	OPEN	35	I	DSR1
4	I/O	DB7	20	I	CTS2	36	O	RTS1
5	I	TRNCLK1	21	O	TRNEMP2/ST1-2	37	I	DTR1
6	I	W	22	O	TRNDT2	38	—	NC
7	I	CS1	23	O	DSR2	39	I	RCVCLK1
8	I	RSLCT0	24	—	NC	40	—	VDD
9	I	R	25	O	RTS2	41	I/O	DB0
10	O	RCVRDY1	26	O	DTR2	42	I/O	DB1
11	I	RSLCT1	27	I	RCVCLK2	43	—	OPEN
12	I	CS2	28	O	TRNRDY1	44	I/O	DB2
13	I	RCVDT2	29	I/O	SYNC/BRK1	45	I/O	DB3
14	—	NC	30	I	CTS1	46	I	RCVDT1
15	I	TRNCLK2	31	O	TRNEMP1/ST1-1	47	—	GND
16	O	RCVRDY2	32	O	TRNDT1	48	—	NC

INPUT

CLOCK	;	CLOCK (4,9152 MHz) FOR REFERENCE OF TIMING
CSn	;	CHIP SELECT OF CHANNELn. (n = 1 OR 2)
CTSn	;	CLEAR TO SEND OF CHANNELn. (n = 1 OR 2)
DSRn	;	DATA SET READY OF CHANNELn. (n = 1 OR 2)
R	;	READ ENABLE
RCVCLKn	;	RECEIVER CLOCK OF CHANNELn. (n = 1 OR 2)
RCVDTn	;	RECEIVE DATA OF CHANNELn. (n = 1 OR 2)
RSLCTn	;	REGISTERS SELECT LINEn. (n = 0 AND 1)
RST	;	RESET PULSE
TRNCLKn	;	TRANSMITTER CLOCK OF CHANNELn. (n = 1 OR 2)
W	;	WRITE ENABLE

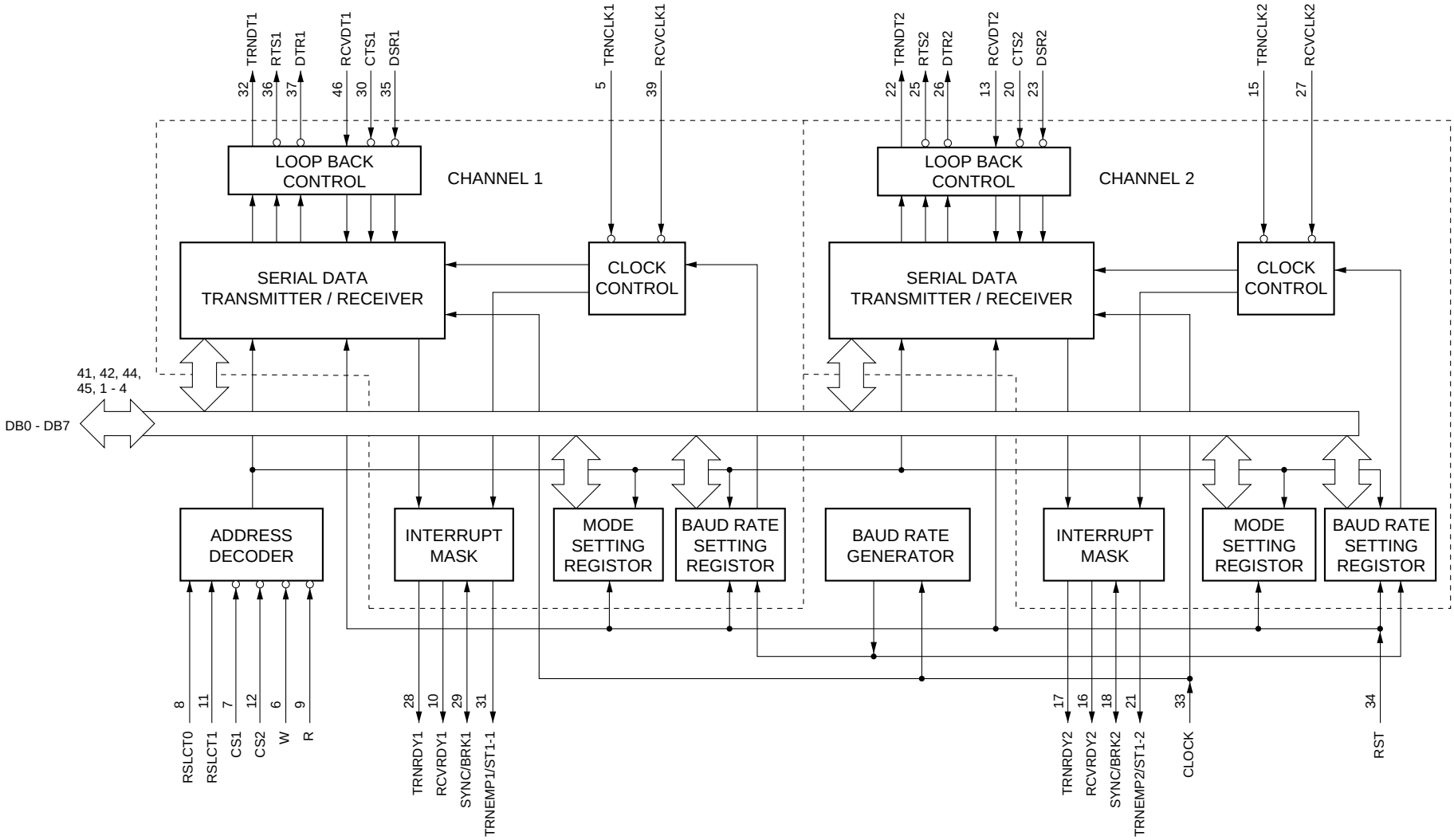
OUTPUT

DTRn	;	DATA TERMINAL READY OF CHANNELn. (n = 1 OR 2)
RCVRDYn	;	RECEIVER READY OF CHANNELn. (n = 1 OR 2)
RTSn	;	REQUEST TO SEND OF CHANNELn. (n = 1 OR 2)
TRNDTn	;	TRANSMIT DATA OF CHANNELn. (n = 1 OR 2)
TRNEMPn/ST1-n	;	TRANSMITTER EMPTY / BAUD RATE CLOCK OUT OF CHANNELn. (n = 1 OR 2)
TRNRDYn	;	TRANSMIT READY OF CHANNELn. (n = 1 OR 2)

INPUT/OUTPUT

DBn	;	DATA BUS LINEn. (n = 0 TO 7)
SYNC/BRKn	;	SYNCHRONIZATION CHARACTOR / BREAK CODE DETECT OF CHANNELn. (n = 1 OR 2)

NC	;	NON CONNECT TERMINAL (OPEN)
OPEN	;	NEVER CONNECT TERMINAL


TRNDT1
RTS1
DTR1
RCVDT1
CTS1
DSR1
32
36
37
46
30
35
TRNCLK1
RCVCLK1
5
39
TRNDT2
RTS2
DTR2
RCVDT2
CTS2
DSR2
22
25
26
13
20
23
TRNCLK2
RCVCLK2
15
27
LOOP BACK CONTROL
CHANNEL 1
LOOP BACK CONTROL
CHANNEL 2
SERIAL DATA TRANSMITTER / RECEIVER
CLOCK CONTROL
SERIAL DATA TRANSMITTER / RECEIVER
CLOCK CONTROL
41, 42, 44, 45, 1 - 4
DB0 - DB7
ADDRESS DECODER
INTERRUPT MASK
MODE SETTING REGISTOR
BAUD RATE SETTING REGISTOR
BAUD RATE GENERATOR
INTERRUPT MASK
MODE SETTING REGISTOR
BAUD RATE SETTING REGISTOR
8
11
7
12
6
9
RSLCT0
RSLCT1
CS1
CS2
W
R
28
10
29
31
TRNRDY1
RCVRDY1
SYNC/BRK1
TRNEMP1/ST1-1
17
16
18
21
33
TRNRDY2
RCVRDY2
SYNC/BRK2
TRNEMP2/ST1-2
CLOCK
34
RST