







Baud Rate	Bits per second (bps)	Real Period (s)	compressio
75	75	13.3 ms	NONE
110	110	9.1 ms	NONE
150	150	6.7 ms	NONE
300	300	3.3 ms	NONE
600	600	1.67 ms	NONE
1200	1200	833µs	NONE
2400	2400	417µs	NONE
4800	4800	208µs	NONE
9600	9600	104µs	NONE
9600	14400	104µs	YES
19200	19200	52µs	YES
19200	28800	52µs	YES
19200	36600	52µs	YES
10200	56000	52lle	YES

## Baud Rate vs Bits Per Second Baud rate is the rate at which signaling events are sent Bits per second (bps) is the number of bits transferred per second (any type of bits, data or overhead bits) If only a '1' or '0' is sent for each signaling event, then baud rate = bps However, could use a signaling protocol that transfers multiple bits per signaling event i.e., use 4 different voltage levels, send two bits of data per signaling event (00 = -15v, 01 = -5v, 10 = +5v, 11 = 5v). In this case, bit rate will be double the baud rate The effective data rate is the rate at which data is transferred, minus the overhead bits (ie. start and stop bits).



































	·····	Data		Control	
Pin	Signal name	From DTE to DCE	To DTE from DCE	From DTE to DCE	To DTE from DCE
1	Protective ground				
2	Transmitted data	х			
3	Received data		х		
4	Request to send (RTS)			х	
5	Clear to send (CTS)				х
6	Data set ready (DSR)				х
7	Signal ground				
8	Data carrier detect (DCD)				х
9/10	Reserved for data set testing				
11	Unassigned				
12	Secondary data carrier detect				х
13	Secondary clear to send				х
14	Secondary transmitted data	х			
15	Transmit signal element timing				X
16	Secondary received data		х		
17	Receive signal element timing				х
18	Unassigned				
19	Secondary request to send			х	
20	Data terminal ready (DTR)			х	
21	Signal-quality detector (indicates probability of error)				х
22	Ring indicator				х
23	Data signal rate select (allows selection of two different baud rates)				x
24	Transmit signal element timing			х	
25	Unassigned				





