

**RTX-05D-4**  
**16 BIT RS-232C CARD**

- \* TWO STANDARD ASYNCHRONOUS SERIAL PORT, IT CAN BE CHANGE HIGH SPEED UART CHIP 16C550, CHIP 16C650 AND CHIP 16C850 FOR SPECIAL PURPOSE TO ENHANCED COMMUNICATION.
- \* THE ADDRESS CAN BE SELECTABLE COM1 TO COM8 FOR EACH PORT.
- \* THE INTERRUPT CAN BE SELECTABLE: IRQ 3,4,5,7,9,10,11,12,15
- \* CLOCK(CLK) : OPERATING CLOCK (1.84 / 8 / 14.32 /18.43 MHz)  
 CH1 CLK --- CHANNEL 1 CLOCK SELECT.  
 CH2 CLK --- CHANNEL 2 CLOCK SELECT.  
 CLOCK FOR UART (16C550/16C650/16C850) SELECT.
- \* THE EXTERNAL I/O ARE DONE THROUGH TWO 9-PIN MALE CONNECTOR

\* PIN ASSIGNMENT :

CH1	CH2	SIGNAL NAME
1	1	CD (IN)
2	2	RX (IN)
3	3	TX (OUT)
4	4	DTR (OUT)
5	5	SG
6	6	DSR (IN)
7	7	RTS (OUT)
8	8	CTS (IN)
9	9	RI (IN)

- \* CUSTOMIZE BAUD RATES CAN BE ACHIEVED BY SELECTING PROPER DIVISOR VALUES FOR MSB AND LSB OF BAUD RATE GENERATOR (16C650 & 16C850 ONLY).

**BAUD RATE GENERATOR PROGRAMMING TABLE (7.372 MHZ CLOCK):**

BAUD RATE MCR BIT7 = 1	BAUD RATE MCR BIT 7 = 0	16 x CLOCK DIVISOR "DECIMAL"
50	200	2304
75	300	1536
150	600	768
300	1200	384
600	2400	192
1200	4800	96
2400	9600	48
4800	19.2K	24
7200	28.8K	16
9600	38.4K	12
19.2K	76.8K	6
38.4K	153.6K	3
57.6K	230.4K	2
115.2K	460.8K	1