

PORT ADDRESS JUMPER SETTING (JP1):

SERIAL PORT1 (COM-A) JUMPER SETTING (JP1):

COM-A	PORT ADDRESS	JUMPER SETTING
* COM 1	3E8H - 3FFH	3E8H 1=C 2
COM 2	2F8H - 2FFH	2F8H 1=C 2
COM 3	3E8H - 3FFH	3E8H 1=C 2
COM 4	2E8H - 2FFH	2E8H 1=C 2
COM 5	368H - 36FH	368H 1=C 2
COM 6	268H - 26FH	268H 1=C 2
DISABLE	X	X 1 C 2

SERIAL PORT2 (COM-B) JUMPER SETTING (JP2):

COM-B	PORT ADDRESS	JUMPER SETTING
* COM 1	3E8H - 3FFH	3E8H 1 C=2
COM 2	2F8H - 2FFH	2F8H 1 C=2
COM 3	3E8H - 3FFH	3E8H 1 C=2
COM 4	2E8H - 2FFH	2E8H 1 C=2
COM 5	368H - 36FH	368H 1 C=2
COM 6	268H - 26FH	268H 1 C=2
DISABLE	X	X 1 C 2

PARALLEL PORT (LPT-A) JUMPER SETTING (JP2):

LPT-A	PORT ADDRESS	JUMPER SETTING
* LPT 2	378H - 37FH	JP2 1=2 3
LPT 3	278H - 27FH	JP2 1 2=3
DISABLE	X	JP2 1 2 3

I/O PORT INTERRUPT:

SERIAL PORT1 (COM-A) INTERRUPT SETTING (JP4):

COM-A	IRQ	JUMPER SETTING
* IRQ 3	IRQ 3	1=C 2
IRQ 4	IRQ 4	1=C 2
IRQ 5	IRQ 5	1=C 2
IRQ 9	IRQ 9	1=C 2
IRQ10	IRQ10	1=C 2
IRQ11	IRQ11	1=C 2
IRQ12	IRQ12	1=C 2
IRQ15	IRQ15	1=C 2

SERIAL PORT2 (COM-B) INTERRUPT SETTING (JP4):

COM-B	IRQ	JUMPER SETTING
* IRQ 3	IRQ 3	1 C=2
IRQ 4	IRQ 4	1 C=2
IRQ 5	IRQ 5	1 C=2
IRQ 9	IRQ 9	1 C=2
IRQ10	IRQ10	1 C=2
IRQ11	IRQ11	1 C=2
IRQ12	IRQ12	1 C=2
IRQ15	IRQ15	1 C=2

PARALLEL PORT (LPT-A) JUMPER SETTING (JP5):

LPT-A	IRQ	JUMPER SETTING
* IRQ7	IRQ7	1=2 3
IRQ5	IRQ5	1 2=3

NOTES:

- == : SHORT.
- * : FACTORY DEFAULT.
- # : IRQ9 FOR PC/AT SYSTEM, IRQ2 FOR PC/XT SYSTEM.

PRINTER PORT BIDIRECTIONAL ENABLE JUMPER SETTING
The parallel ports can be configured to normal AT-style or PS/2-style bidirectional (input and output) mode. Close the JP3 jumper to configure the parallel port for unidirectional normal mode, and to open to jumper for bidirectional mode.

SERIAL PORT OPERATION CLOCK SELECT:
COM-A/COM-B FREQUENCY SELECT (JP6):

JP6	Frequency
close 1 (X1)	1.8432MHz
close 2 (X2)	3.6864MHz
close 3 (X4)	7.3728MHz

NOTES: Some serial devices cannot work under turbo mode (3.686MHz or 7.3728MHz). In this case, normal mode (1.8432MHz) is suggested for such devices.

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TC-210 User's Guide
Hi-Speed
Turbo I/O Card

- * Two Serial Ports
 - Each with 16 bytes FIFO, 16550 compatible
- * One Parallel Port
 - AT / Bidirectional PS/2 compatible
- * Individually configurable Addresses
 - COM1-COM6, LPT2-LPT3
- * Individually Configurable Interrupts
 - IRQ 3, 4, 5, 9, 10, 11, 12, 15 on serial port
- * Selectable Clock Frequency to Support Fast Data Rate
 - 115.2K bps (1.8432MHz)
 - 230K bps (3.6864MHz)
 - 460K bps (7.3728MHz)

TC-210 Turbo I/O Two Turbo Serial Ports One Bidirectional Parallel Port

INTRODUCTION:

TC-210 TURBO I/O is a 16-bit ISA bus I/O card with two 16550 buffered serial ports (COM-A & COM-B) & one bidirectional parallel port (LPT-A).

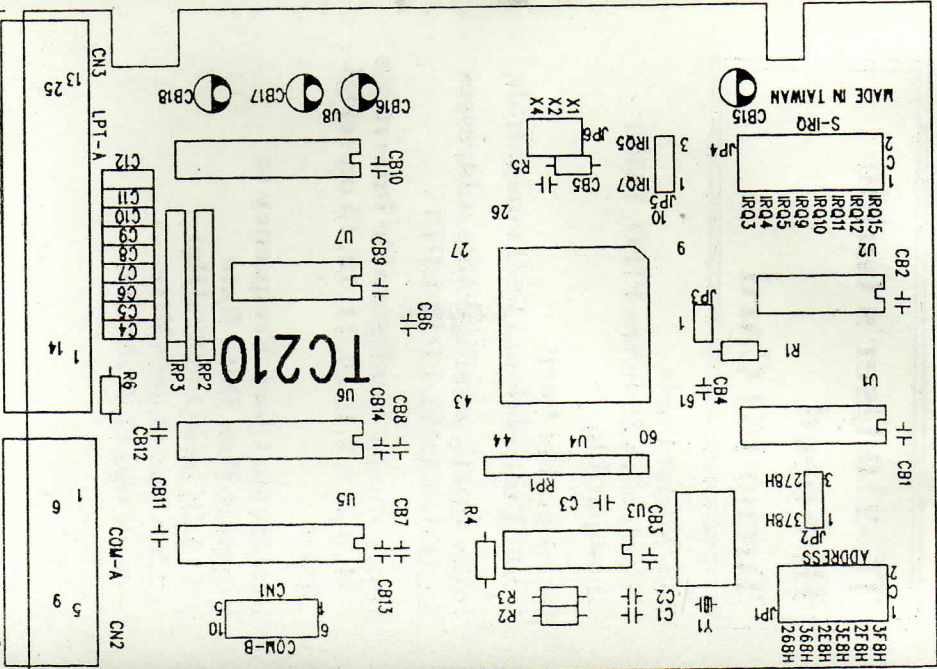
TC-210 is highly flexible with the selection of port address and IRQ. The COM-A and COM-B is configurable to any of six different port addresses. The versatile interrupt feature provides eight IRQ selections of IRQ3, 4, 5, 9, 10, 11, 12, 15.

TC-210 support three selectable frequency to support turbo baud rate. It provides the choices of 1.8432MHz(X1), 3.6864MHz(X2) and 7.3728MHz(X4) on serial port to support 115.2K/230K/460.8K bps respectively. The following table shows the Baud Rate Generator Programming table:

16* CLOCK DIVISOR "Decimal"	1.8432MHz Baud Rate	3.6864MHz Baud Rate	7.3728MHz Baud Rate
2304	50	100	200
1536	75	150	300
768	150	300	600
384	300	600	1200
192	600	1200	2400
96	1200	2400	4800
48	2400	4800	9600
24	4800	9600	19.2K
16	7200	14.4K	28.8K
12	9600	19.2K	38.4K
6	19.2K	38.4K	76.8K
3	38.4K	76.8K	153.6K
2	57.6K	115.2K	230.4K
1	115.2K	230.4K	460.8K

FEATURES:

* 16 bytes transmit FIFO and 16 bytes receive FIFO with error flags



BOARD LAYOUT

on two serial ports. The 16 bytes FIFO allows greater latency time in interrupt servicing when using in a multitasking environment.

* Two programmable serial input/output channels, software compatible with NS16C550A.

* Supports MODEM control signals: (CTS*, RTS*, DSR*, DTR*, RI*, CD*).

* Individually configurable COM1 to COM6 on two serial ports (port address at 3F8H(COM1), 2F8H(COM2), 3E8H(COM3), 2E8H(COM4), 368H(COM5), 268H(COM6)).

* Individually configurable interrupts (IRQ3, 4, 5, 9, 16 bit interrupts IRQ10, 11, 12, 15) for two serial ports.

* One centronics / bidirectional PS/2 compatible parallel ports. Individually configurable LPT2 to LPT3 on parallel ports (port address at 378H(LPT2), 278H(LPT3)).

* Selectable three frequency of 1.8432MHz(X1), 3.6864MHz(X2), 7.3728MHz(X4) for operation clock to support 115.2K/230.4K/460.8K bps respectively.

* All functions can be disabled by jumpers.

* Host interface : IBM PC/AT or compatibles.

* Form factor : 135 mm * 100 mm

CABLES:

* Secondary serial port DB-25 pin male type cable.

CONFIGURATION:

I/O ADDRESS SERIAL PORT ADDRESS:

PORT ADDRESS	NORMAL VALUE
3F8H - 3E8H	COM 1
2F8H - 2E8H	COM 2
3E8H - 3E8H	COM 3
2E8H - 2E8H	COM 4
368H - 368H	COM 5
268H - 268H	COM 6

PARALLEL PORT ADDRESS:

PORT ADDRESS	NORMAL VALUE
378H - 37AH	LPT 2
278H - 27EH	LPT 3