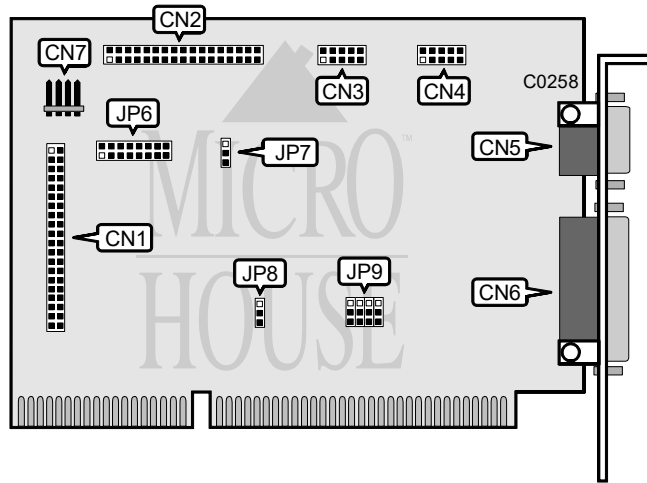# JPN CORPORATION
CA8301E, CA8302E

Data bus: 16-bit, ISA
Size: Half-length, full-height card
Hard drive supported: Two IDE (AT) Interface drives
Floppy drives supported: Two 360KB, 720KB, 1.2MB, or 1.44MB drives
Maximum heads/cyl.:   8 heads and 1024 cylinders
Special Features   Two serial, one game, and one parallel port
                       (Only one serial port on the CA80301E)

CONNECTIONS	
Function	Location
40-pin IDE (AT) Interface control cable connector	CN1
34-pin control cable connector-hard drive	CN2
9-pin serial port (COM2/4)-internal	CN3
9-pin serial port (COM1/3)-internal	CN4
15-pin game port - external	CN5
25-pin parallel port (LPT1/2) - external	CN6
4-pin connector-drive active LED	CN7

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USER CONFIGURABLE SETTINGS		
Function	Location	Setting
í Serial port 1 is set for COM1	JP6/jumper1	pins 1 & 2 closed
Serial port 1 is set for COM3	JP6/jumper1	pins 2 & 3 closed
í Serial port 1 enabled	JP6/jumper 2	pins 1 & 2 closed
Serial port 1 disabled	JP6/jumper 2	pins 2 & 3 closed
í Serial port 2 is set for COM2	JP6/jumper 3	pins 1 & 2 closed
Serial port 2 is set for COM4	JP6/jumper 3	pins 2 & 3 closed
í Serial port 2 enabled	JP6/jumper 4	pins 1 & 2 closed
Serial port 2 disabled	JP6/jumper 4	pins 2 & 3 closed
í Parallel port is set for LPT1 (I/O address 378h)	JP6/jumper 5	pins 1 & 2 closed
Parallel port is set for LPT2 (I/O address 278h)	JP6/jumper 5	pins 2 & 3 closed
í Parallel port enabled	JP6/jumper 6	pins 1 & 2 closed
Parallel port disabled	JP6/jumper 6	pins 2 & 3 closed
í Game port enabled	JP6/jumper 7	pins 1 & 2 closed
Game port disabled	JP6/jumper 7	pins 2 & 3 closed
í Floppy drive enabled	JP6/jumper 8	pins 1 & 2 closed
Floppy drive disabled	JP6/jumper 8	pins 2 & 3 closed
í Hard drive enabled	JP7	pins 1 & 2 closed
Hard drive disabled	JP7	pins 2 & 3 closed
í Parallel port is set for IRQ7	JP8	pins 2 & 3 closed
Parallel port is set for IRQ5	JP8	pins 1 & 2 closed

SERIAL PORT IRQ JUMPERS - JP9				
IRQ	Jumper 1 1-2-COM1/3 2-3-COM2/4	Jumper 2 1-2-COM1/3 2-3-COM2/4	Jumper 3 1-2-COM1/3 2-3-COM2/4	Jumper 4 1-2-COM1/3 2-3-COM2/4
í 5	closed	open	open	open
4	open	closed	open	open
3	open	open	closed	open
2	open	open	open	closed

MISCELLANEOUS TECHNICAL NOTES
JP9/jumpers 1 to 4 select Interrupt request for serial port 1 & 2. Pins 1 - 2 apply to serial port 1 (COM1/3) and pins 2 & 3 apply to serial port 2 (COM2/4). The factory defaults are JP9/jumper 2/pins 1-2 "closed" (COM1/3-IRQ4) & JP9/jumper 3 pins 2-3 "closed" (COM2/4-IRQ3).