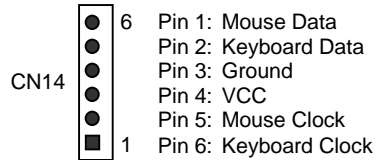




### D. Keyboard and Mouse Connector (CN15 and CN14)

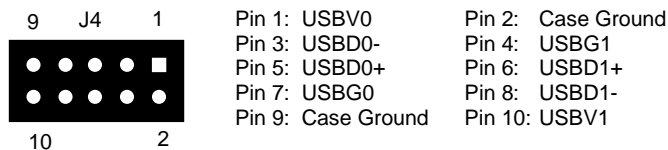
CN15 is a standard PS/2 type keyboard connector, so any PS/2 type keyboard can plug into CN15 directly without extra adapter cable. CN14 provides PS/2 mouse interface, use the included mouse adapter cable to connect between CN14 and standard PS/2 mouse.



Note: In fact, CN15 and CN14 all support PS/2 keyboard and mouse signals and have to order 3-head cable from your supplier.

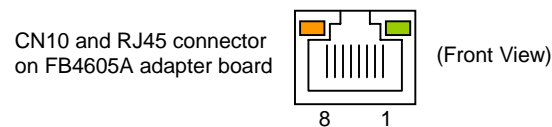
### E. USB Connector (J4)

Use the USB adapter cable (optional), you can attach up to 2 USB devices.



### F. LAN Connector and LED Indicators (CN10: RJ45, CN9: 10-pin 2.5mm JST)

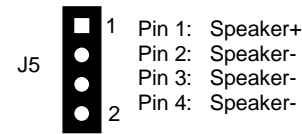
CN10 is a RJ45 connector with 2 LEDs for LAN port 1. The left side LED (orange) indicates data is accessing and the right side LED (green) indicates on-line status. (When lighted indicates on-line and off indicates off-line) CN9 provides twist-pair signals of LAN port 2 if you got dual LAN version and 1 additional adapter board (FB4605A) with cable. The following figure and table list the pin assignment of CN10 and RJ45 connector on the FB4605A LAN adapter board:



CN10	Signal	CN10	Signal
1	TPTX1+	5	FBG11
2	TPTX1-	6	TPRX1-
3	TPRX1+	7	FBG21
4	FBG11	8	FBG21

FB4605A	Signal	FB4605A	Signal
1	TPTX2+	5	FBG12
2	TPTX2-	6	TPRX2-
3	TPRX2+	7	FBG22
4	FBG12	8	FBG22

### G. Buzzer (BZ1) and External Speaker Header (J5, Optional)



### H. Floppy Connector (CN3: 34-pin 2.54mm IDC)

Note that the included floppy cable supports only 720KB, 1.44MB, and 2.88MB floppy disk drives, not for 360KB and 1.2MB.

### I. IDE Hard Disk Connector (CN2 & CN5)

CN2 and CN5 are 40-pin 2.54mm IDC and 44-pin 2.0mm IDC connectors respectively. CN2 named IDE #0 and CN5 named IDE #1. Use 40-pin and 44-pin hard disk cables, you can attach up to four 3.5"/2.5" hard disk drives. Note that CN5 also could piggyback a 90-degree DiskOnModule with fix hole.

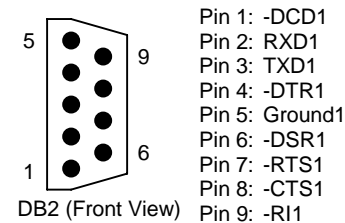
### J. Parallel Port Connector (CN1: 26-pin 2.0mm IDC)

The included printer interface cable is used to transfer 26-pin connector into standard DB-25 connector.

### K. Serial Port Connectors & Jumpers (DB2, CN11, JP2, JP3, J6, and J8)

#### (1) Serial Port 1 (DB2)

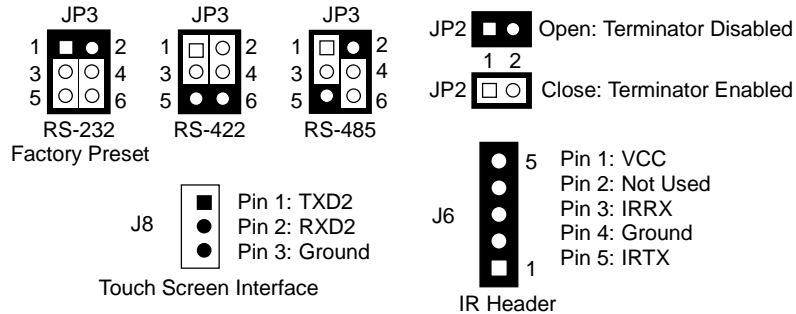
The DB2 connector is 9-pin D-type male connector and its pin definition is as follow:



#### (2) Serial Port 2 (CN11, JP3, JP2, J6 and J8)

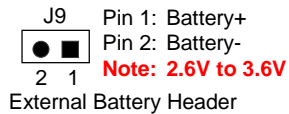
Serial port 2 is designed for multiple proposes. It could be RS-232, RS-422 or RS-485 by selecting JP3, and JP2 is use to enable or disable terminator if RS-422 or RS-485 mode is selected. Serial port 2 also could be configured as Infra (IrDA) interface (J6 header) by changing the setting in BIOS setup program. J8 is use to interface with touch screen controller directly instead of connect from CN11 connector. The included serial port cable is use to transfer CN11 into standard 9-pin D-type male connector. The following tables and figures show the pin definitions and its usage:

CN11	RS-232	RS-422	RS-485	DB-9
1	-DCD2		-	1
2	-DSR2		-	6
3	RXD2	RXD-	485-	2
4	-RTS2	TXD-	-	7
5	TXD2	RXD+	485+	3
6	-CTS2	TXD+	-	8
7	-DTR2		-	4
8	-RI2		-	9
9	Ground2	Ground2	Ground2	5
10	Case Ground	Case Ground	Case Ground	-

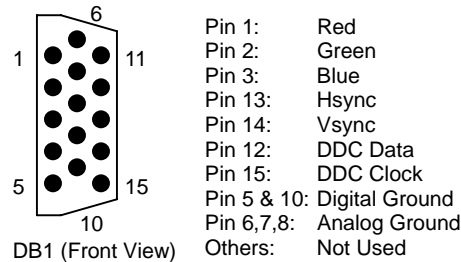


### L. External Battery Header (J9)

J9 is used to connect an external battery pack if on-board Lithium battery is empty or not.



### M. CRT Connector (DB1)



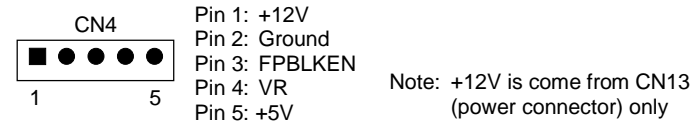
### N. LCD Connectors (CN6 and CN4)

CN6 is 18-bit LCD interface connector and CN4 provides control signals and power source for LCD inverter.

CN6	Signal	CN6	Signal	CN6	Signal	CN6	Signal
1	+5V	21	FPD8	2	+5V	22	FPD9
3	Ground	23	FPD10	4	Ground	24	FPD11
5	+3.3V	25	N.C.	6	+3.3V	26	N.C.
7	R/L	27	FPD12	8	Ground	28	FPD13
9	N.C.	29	FPD14	10	N.C.	30	FPD15
11	FPD0	31	FDP16	12	FPD1	32	FPD17
13	FPD2	33	Ground	14	FPD3	34	Ground
15	FPD4	35	FPCLK	16	FPD5	36	FPVSYNC
17	N.C.	37	FPDISP	18	N.C.	38	FPHYNC
19	FDP6	39	U/D	20	FPD7	40	FPVDDEN

Note 1: N.C. means not connected, it is reserved for upgraded signals.

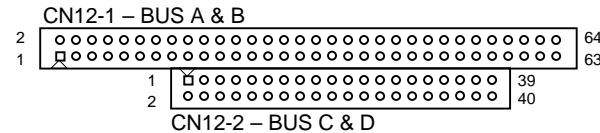
Note 2: If any trouble when connecting FB2500 with LCD panels, you could contact technical support division of FabiaTech Corporation.



### O. Audio Connector (CN8: 26-pin 2.0mm IDC)

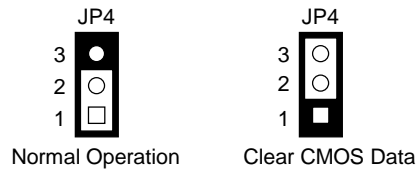
CN8	Signal	CN8	Signal	CN8	Signal	CN8	Signal
1	AUXL	15	AGND	2	Line-In-L	16	Ground
3	AUXR	17		4	Line-In-R	18	
5	+12V	19		6	+5V	20	
7	Line-Out-L	21		8	MIC In	22	
9	Line-Out-R	23		10	PCSPK	24	
11	AGND	25	AGND	12	Ground	26	Ground
13		-		14		-	

### P. PC/104 Connectors (CN12: 64-pin IDC & 40-pin IDC)

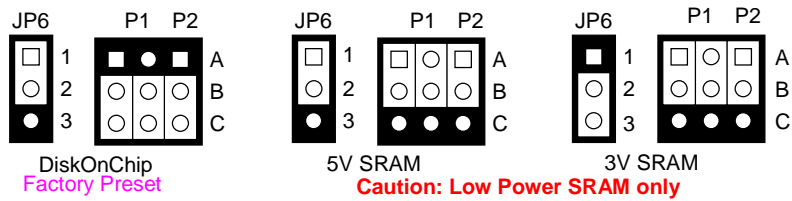


## 6. Others

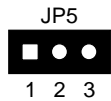
### A. Clear CMOS Data (JP4)



### B. U18 (DOC/SRAM Socket) Memory Type Select (JP6 and P1/P2)



### C. U18 (DOC/SRAM Socket) and On-Board SRAM Mapping Segment Select (JP5)



JP5	U18 (DOC Socket)	U18 (SRAM Socket) & On-Board SRAM	Remark
Short 1 & 2	DA00h:0	D800h:0 (*1)	
Short 2 & 3	CE00h:0	CC00h:0 (*1)	Factory Preset

Note 1: It will not occupy any memory address if no on-board SRAM exist.

Note 2: It will occupy 8 Kbytes addresses for each mapping selection.