

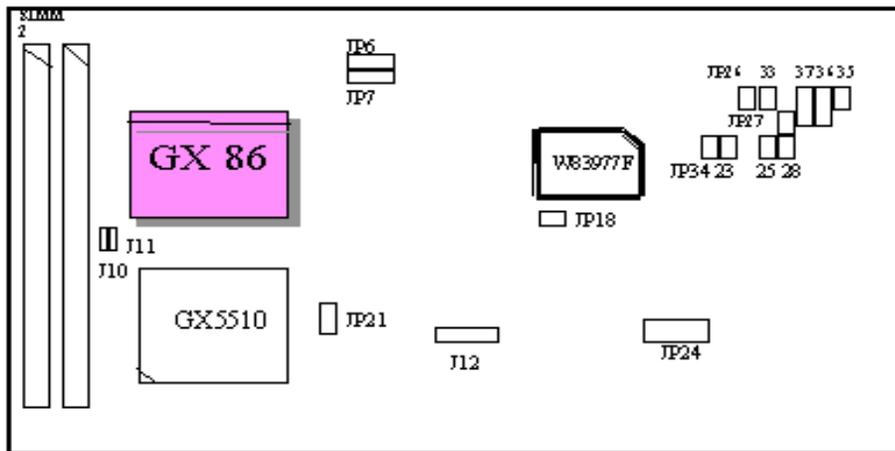
# Switches and Connectors NEXCOM

## Jumpers and Connectors

This chapter gives the definitions and shows where to locate the positions of jumpers and connectors.

### Jumpers

Jumper on the CPU board are used to select options for certain features. To select any option, cover the jumper cap over (short) or remove it from (open) the jumper pins according to the follows instructions.



Jumper Positions

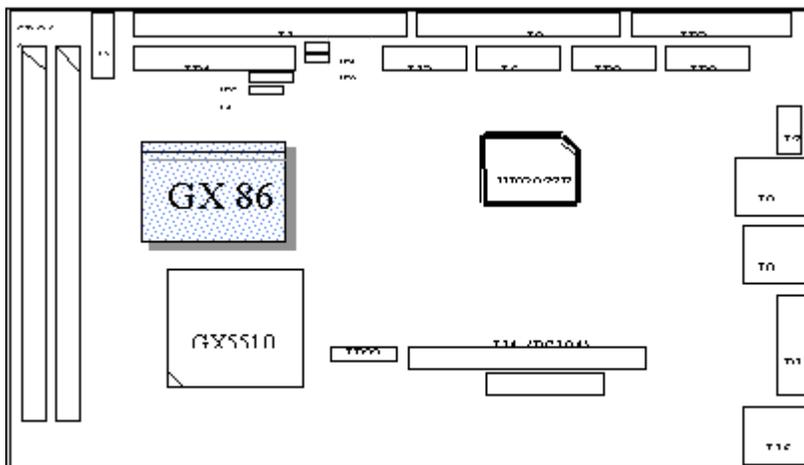
### Jumper Setting Table (\*: default setup)

VI/O	VCC3V	*VCC		
JP6	2-3	1-2		
JP7	2-3	1-2		
VCORE	*GX86	GXI		
JP10	1-2	NC		
JP11	1-2	NC		
BIOS TYPE	EPROM	12V Flash ROM		
		VPP=5V	VPP=12V	
JP12	2-3, 4-5	2-3, 5-6	1-2, 5-6	
CMOS RAM	Clear	*Normal		
JP18	1-2	NC		

WDT I/O Port	*0F2h	0F6h		
<b>JP21</b>	1-2	NC		
M-System Address	C0000	C8000	*D0000	D8000
<b>JP24</b>	1-2	NC	5-6	7-8
RS-232/RS422	*RS232	RS422 or 485		
<b>COM 3</b>				
<b>JP28</b>	NC	1-2		
<b>JP36</b>	1-2			
<b>COM 4</b>				
<b>JP/33</b>	NC	1-2		
<b>JP37</b>	2-3			
RS-485/RS422	*RS422	RS485		
<b>COM 3</b>				
<b>JP23/34/35</b>	NC	1-2		
<b>JP36</b>	1-2	2-3		
<b>COM 4</b>				
<b>JP25/26/27</b>	NC	1-2		
<b>JP37</b>	2-3	1-2		

## Connectors

Connectors on the CPU Board provide interfaces to other devices.



Connector Positions

Connector	Function	Remark
JP1	IDE LED	
JP2	Reset	
JP3	PIO connector	
JP4	Panel	
JP5	Key lock connector	
JP8	COM 3 connector	
JP9	COM 4 connector	
JP22	FAN connector	
J1	IDE connector	
J2	Floppy connector	
J3	Power P8	
J4	Speaker connector	
J5	COM 2 connector	
J7	Key Board connector	
J8	LAN connector	
J9	PS/2 mouse	
J13	COM 1 connector	
J15	Keyboard Mini DIN connector	
P1	VGA connector	

## Pin definitions of connectors

JP1: IDE LED Connector

PIN No.	Description
1	+5V
2	HDD Active

JP2: Reset Switch

PIN No.	Description
1	External Reset
2	Ground

JP3: Parallel Port Connector

PIN No.	Description	PIN No.	Description
1	Strobe#	14	Auto Form Feed#
2	Data 0	15	Error#

3	Data 1	16	Initialize
4	Data 2	17	Printer Select In #
5	Data 3	18	Ground
6	Data 4	19	Ground
7	Data 5	20	Ground
8	Data 6	21	Ground
9	Data 7	22	Ground
10	Acknowledge	23	Ground
11	Busy	24	Ground
12	Paper Empty	25	Ground
13	Printer Select	26	Ground

## JP4: Panel Connector

PIN No.	Description	PIN No.	Description
1	+12V	14	LCD VDD
2	VCC	15	HSYNC
3	R1	16	R3
4	R5	17	G0
5	G2	18	PCLK
6	VSYNC	19	R0
7	R2	20	R4
8	G1	21	G3
9	G5	22	B0
10	B2	23	B4
11	G4	24	B1
12	B3	25	B5
13	DE	26	GND

## JP5: Key lock

PIN No.	Description
1	+5V
2	N/C
3	Ground
4	Keylock
5	Ground

## JP22: FAN Power

PIN No.	Description
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1	12V
2	GND

## J1: IDE Interface Connector

PIN No.	Description	PIN No.	Description
1	Reset#	2	Ground
3	Data 7	4	Data 8
5	Data 6	6	Data 9
7	Data 5	8	Data 10
9	Data 4	10	Data 11
11	Data 3	12	Data 12
13	Data 2	14	Data 13
15	Data 1	16	Data 14
17	Data 0	18	Data 15
19	Ground	20	N/C
21	DMA REQ	22	Ground
23	IOW#	24	Ground
25	IOR#	26	Ground
27	IOCHRDY	28	N/C
29	DMA ACK	30	Ground
31	Interrupt	32	N/C
33	SA1	34	N/C
35	SA0	36	SA2
37	HDC CS0#	38	HDC CS1#
39	HDD Active#	40	Ground

## J2: FDC Connector

PIN No.	Description	PIN No.	Description
1	Ground	2	Density Select
3	Ground	4	N/C
5	Ground	6	N/C
7	Ground	8	Index#
9	Ground	10	Motor Enable A#
11	Ground	12	Drive Select B#
13	Ground	14	Drive Select A#
15	Ground	16	Motor Enable B#
17	Ground	18	Direction#
19	Ground	20	Step#
21	Ground	22	Write Data#

23	Ground	24	Write Gate#
25	Ground	26	Track 0#
27	Ground	28	Write Protect#
29	N/C	30	Read Data#
31	Ground	32	Head Side Select#
33	N/C	34	Disk Change#

## J3: Power P8

PIN No.	Description
1	NC
2	VCC
3	+12V
4	-12V
5	Ground
6	Ground

## J4: Speaker

PIN No.	Description
1	Speaker signal
2	Ground
3	Ground
4	+5V

## J7: Keyboard Connector

PIN No.	Description
1	Keyboard Clock
2	Keyboard Data
3	N/C
4	Ground
5	+5V

## J8: LAN Connector

PIN No.	Description
1	TXD+
2	TXD-
3	RXD+
4	NC

5	NC
6	RXD-
7	NC
8	NC

## J9,J15: 6-Pin Mini-DIN Keyboard Connector (PS/2 Type)

PIN No.	Description
1	Keyboard Data
2	N/C
3	Ground
4	+5V
5	Keyboard Clock
6	N/C

J13: COM1, J5: COM 2, JP8: COM 3, JP9:COM 4  
- RS232

PIN No.	Description
1	DCD#
2	RXD
3	TXD
4	DTR#
5	GND
6	DSR#
7	RTS#
8	CTS#
9	RI#
10	NC

## - RS485/422 (COM3, COM4)

PIN No.	Description
1	TXD-
2	TXD+
3	RXD+
4	RXD-
5	GND
6	RTS-
7	RTS+
8	CTS+
9	CTS-

10	NOT USE
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## P1: VGA Connector

PIN No.	Description
1	RED
2	Green
3	Blue
4	NC
5	GND
6	GND
7	GND
8	GND
9	+5V
10	GND
11	NC
12	Display data channel data
13	Horizontal Sync
14	Vertical Sync
15	Display Data Channel Clock