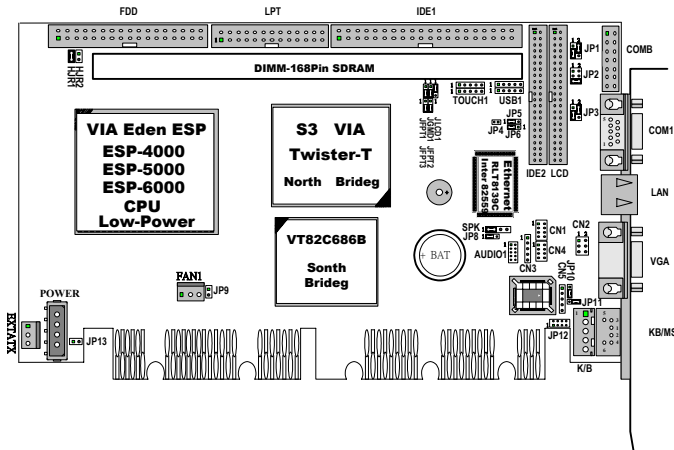


MAT664

Quick Reference Guide

Rev. V1



JFPT1/JFPT2/JFPT3: LCD TYPE SELECT

JFPT1	JFPT2	JFPT3	LCD PANEL TYPE
2-3	2-3	2-3	TFT 1024x768 -18
2-3	2-3	1-2	TFT 1280x1024 -18+18
2-3	1-2	2-3	TFT 800x600 -18
2-3	1-2	1-2	TFT 1024x768 -18
1-2	2-3	2-3	DSTN 1024x768 -16
1-2	2-3	1-2	DSTN 1024x768 -24
1-2	1-2	2-3	DSTN 800x600 -16
1-2	1-2	1-2	DSTN 1024x768 -24

JLCD1: LCD FUNCTION

JLCD1	LCD FUNCTION	JP5: LCD TYPE SELECT	LCD FUNCTION
1-2	ON	1-2 ON	TFT
2-3	OFF	2-3 ON	DSTN

JP1: COM2 D-SUB PIN 1, 9 VOLTAGE OR SIGNAL SELECT

1-3 ON	2-4 ON	3-5 ON	4-6 ON
+12V	VCC5V	RI2	DCD2

JP2: COM2 RS-232/422/485 SELECT

1-2 ON	3-4 ON	5-6 ON
RS-485	RS-422	RS-232

JP3: COM1 D-SUB PIN 1, 9 VOLTAGE OR SIGNAL SELECT

1-3 ON	2-4 ON	3-5 ON	4-6 ON
+12V	VCC5V	RI1	DCD1

JP4: "IBM IDE OR CF II CARD" MASTER OR SLAVE SELECT

1-2 ON	MASTER
1-2 OFF	SLAVE

JP6: LCD Panel Voltage Select

1-2 ON	+5V
2-3 ON	+3.3V

JP7: LAN ENABLED OR DISABLED

1-2 ON	1-2 OFF
DISABLED	ENABLED

JP8: BATTERY CMOS CLEAR JUMPER

1-2	Default
2-3	Clear CMOS

JP9: RS-422 ALWAYS ENABLED JUMPER NO RS-485

PIN1: RTSB- PIN2: +5V

JP10: WDT OUTPUT SELECT

WatchDog Timer Output for System Reset or IRQ11 Selection. When Jumper 1-2 ON, then output signal of WDT will generate a interrupt signal to IRQ11. Once the system accept the interrupt request, will release a ISR address (CS:E000 IP:0000) for user. User can write some interrupt service routine here, to develop application software.

1-2 ON: IRQ11. 2-3 ON: SYSTEM RESET.

JP12: M-System Address Select

Address/Jumper	1-2	3-4	5-6	7-8
C000	ON	OFF	OFF	OFF
C800	OFF	ON	OFF	OFF
D000	OFF	OFF	ON	OFF
D800	OFF	OFF	OFF	ON

TOUCH1: TOUCH PANEL CONNECTOR

PIN1	PIN2	PIN3	PIN4	PIN5	PIN6	PIN7	PIN8	PIN9
X+	SX+	X-	SX-	Y+	SY+	Y-	SY-	5W

4 WIRE: X+, X-, Y+, Y-

5 WIRE: X+, X-, Y+, Y-, 5W

8 WIRE: X+, X-, Y+, Y-, SX+, SX-, SY+, SY-

EXTATX: EXTERNAL ATX POWER CONNECTOR

Pin 1	Pin2	Pin3
GND	Power ON	Always 5V

Note: Refer to the diagram on the previous page for the location of PW/ON.

The MAT-664 can support an advanced soft power switch function if an ATX power supply is used. To enable the soft power switch function:

1. Take the specially designed ATX-to-PS/2 power cable out of MAT-664's accessory bag.
2. Connect the 3-pin plug of the cable to EXTATX (ATX feature connector).
3. Connect the power on/off button to PW/ON. (A momentary type of button should be used).

CN1: HDD-LED and WDT OUTPUT and RESET Connector

1-2	3-4	5-6	7-8
HDD LED	NC	WDT OUTPUT	RESET SWITCH

CN2: ETHERNET LED FUNCTION

1-2	3-4	5-6
LED2(Active)	LED1(100M Enable)	LED0(Connect)

CN3: IrDA Connector

PIN1	PIN2	PIN3	PIN4	PIN5
VCC	NC	IRRX	GND	IRTX

CN4: PW-LED and PW-Bottom and SUSPEND and EXTSMI Connector

1-2	3-4	5-6	7-8
POWER LED	POWER BOTTOM	SUSPEND	EXTSMI

COMB: RS232 or RS422/485 Connector

Pin1	485TXD-	Pin2	DSR
Pin3	485TXD+	Pin4	RTS
Pin5	485RXD+	Pin6	CTS
Pin7	485RXD-	Pin8	RI/12V
Pin9	GND	Pin10	NC
Pin11	485TXD+	Pin12	485TXD-
Pin13	422RXD+	Pin14	422RXD-

MANUFACTURER DEFAULT JUMPER LIST

CN5: WDT PROGRAM CONNECTOR

K/B: KEYBOARD CONNECTOR

IDE1: IDE1 CONNECTOR

FDD: FLOPPY CONNECTOR

AUDIO1: AUDIO

COM1: RS232

VGA1: VGA

KB/MS: KEYBOARD and MOUSE

IDE2: IDE2 CONNECTOR

LPT: PARALLA PORT

USB1: USB0and USB1

LAN: RJ-45 LAN

POWER: POWER CONNECTOR

LCD: LCD CONNECTOR DEFINITION

PIN	ASSIGNMENT	PIN	ASSIGNMENT
1	+12V	2	+12V
3	GND	4	GND
5	+5V/3.3V (J1)	6	+5V/3.3V (J1)
7	ENAVEE	8	GND
9	PD23	10	PD22
11	PD17	12	PD16
13	PD11	14	PD10
15	PD9	16	PD8
17	PD21	18	PD20
19	PD15	20	PD14
21	PD7	22	PD6
23	PD5	24	PD4
25	PD19	26	PD18
27	PD13	28	PD12
29	PD3	30	PD2
31	PD1	32	PD0
33	GND	34	GND
35	SHFCLK	36	VSYN
37	M(D.0)	38	HSYN
39	GND	40	ENABLK
41	VCC	42	VCC
43	LCDVCC	44	LCDVCC