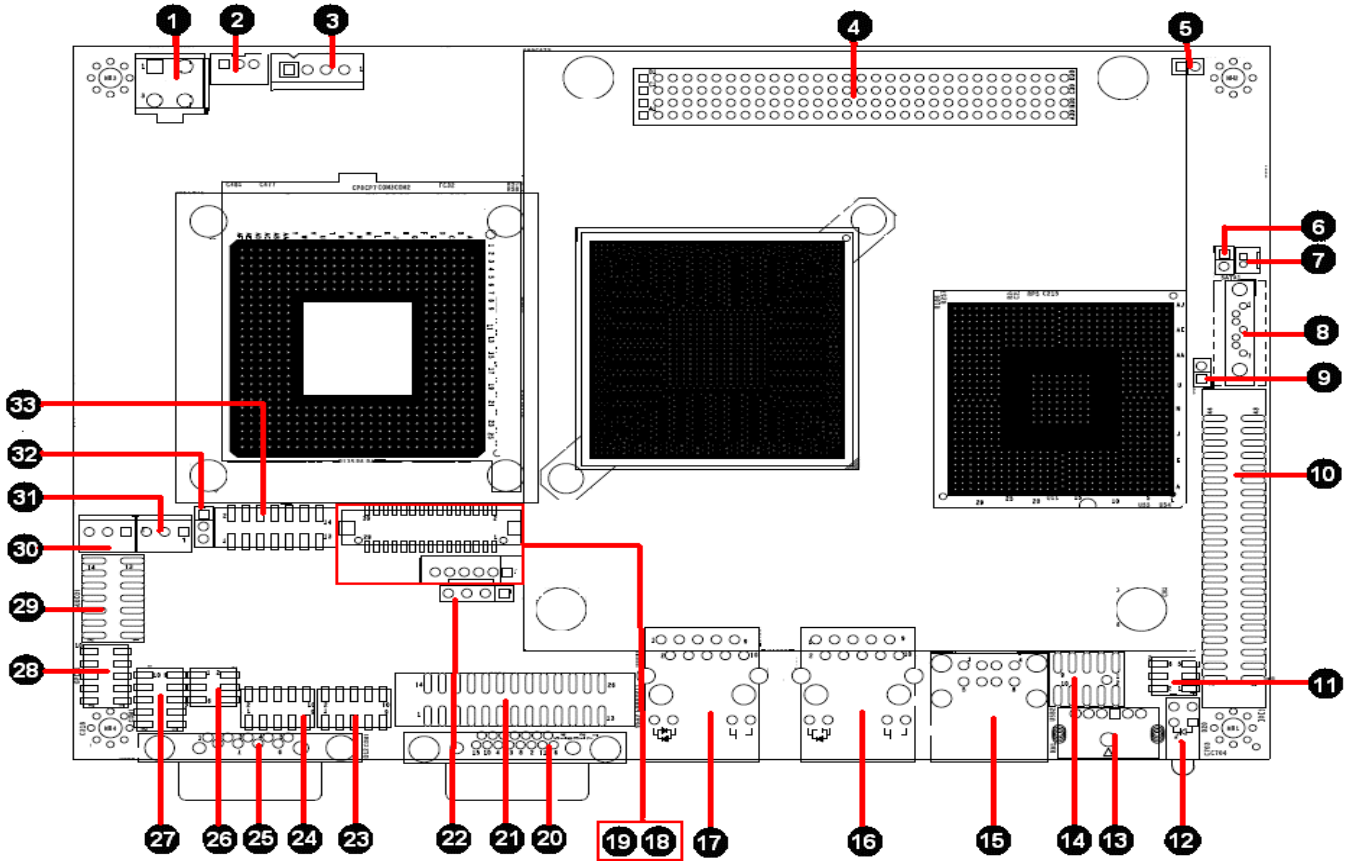


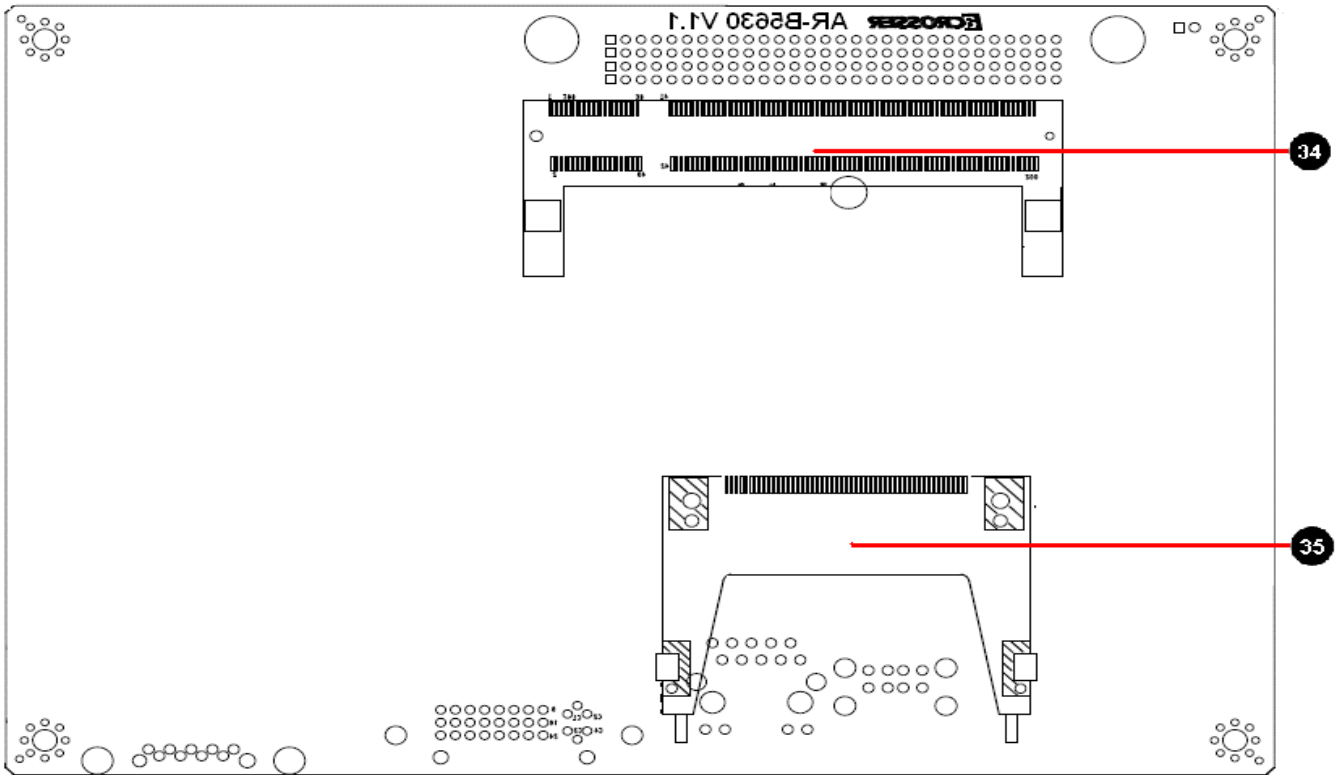
TAAR-B5630 Quick Manual V2.01

1. Main board illustration (Top Side)



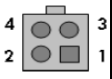
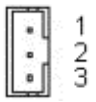

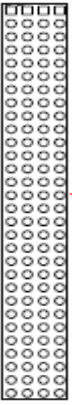





1	PWR2	13	KM1	25	COM1*
2	CON2	14	USB2	26	JP1
3	CON3	15	USB1	27	COM2*
4	J10	16	LAN2	28	GPIO1
5	JP2	17	LAN1	29	AUDIO1
6	J5	18	LCD1	30	FAN2
7	BAT1	19	LCDPW1	31	FAN1
8	SATA1	20	VGA1	32	J1
9	J8	21	DVI1	33	TVCON1
10	IDE1	22	J9		
11	J12	23	COM3*		
12	D20	24	COM4*		




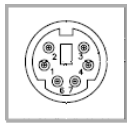
Main board illustration (Bottom Side)







34	SODIMM1
35	CF1

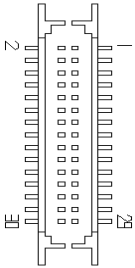
2. Connectors and Jumper Settings

1. PWR2: External +12V DC power input connector.		2. CON2: ATX function connector.		3. CON3: Extra +12V and +5V DC power output connector (for SATA device).																													
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4. J10: PCI-104 connector.		5. JP2: Signal SERIRQ connects to PCI-104 pin #B2 selection.		6. J5: CMOS data retention/clear.																													
	<p style="text-align: center;">PCI-104 connector.</p>		<table border="1"> <thead> <tr> <th>STATUS</th> <th>SETTING</th> </tr> </thead> <tbody> <tr> <td>Open</td> <td>Disconnected. (Default)</td> </tr> <tr> <td>Short</td> <td>Connected.</td> </tr> </tbody> </table>	STATUS	SETTING	Open	Disconnected. (Default)	Short	Connected.		<table border="1"> <thead> <tr> <th>STATUS</th> <th>SETTING</th> </tr> </thead> <tbody> <tr> <td>Open</td> <td>Disconnected. (Default)</td> </tr> <tr> <td>Short</td> <td>Connected.</td> </tr> </tbody> </table>	STATUS	SETTING	Open	Disconnected. (Default)	Short	Connected.																
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7. BAT1: CMOS battery holder.		8. SATA1: S-ATA device connector #1.		9. J8: CF master or slave select.																													
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10. IDE1: PATA connector.		11. J12: Front panel connector. (NOTE 1)																																																																																																					
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12. D20: System standby power and HDD access indicators.		13. KM1: Keyboard/Mouse CONNECTOR.																																																																																																					
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14. USB2: Internal USB2, USB3 connector.		15. USB1: External USB0, USB1 connector.																																													
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16. LAN2: RJ45 connector for Gigabit Ethernet port #2		17. LAN1: RJ45 connector for Gigabit Ethernet port #1																																													
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18. LCD1: LCD panel (LVDS, 18-bit/36-bit) connector.



PIN	SETTING	PIN	SETTING
1	LCD VDD	2	GND
3	E CLK-	4	E CLK+
5	GND	6	E Data2-
7	E Data2+	8	GND
9	E Data1-	10	E Data1+
11	NC	12	NC
13	E Data0+	14	E Data0-
15	GND	16	O CLK+
17	O CLK-	18	GND
19	O Data2+	20	O Data2-
21	I2C CLK	22	O Data1+
23	O Data1-	24	I2C Data
25	O Data0+	26	O Data0-
27	NC	28	NC
29	LCD VDD	30	LCD VDD

E: Even for dual channel.
O: Odd for single channel.

19. LCDPW1: LCD panel inverter power connector.



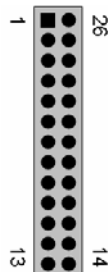
PIN	SETTING
1	+12V
2	+12V
3	GND
4	BKL ON
5	GND
6	Reserved.

20. VGA1: Pin Header for D-Sub 15 Pin VGA.

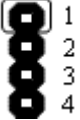


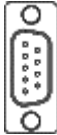




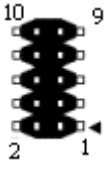

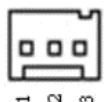
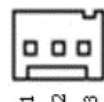
PIN	SIGNAL	PIN	SIGNAL
1	R	2	GND
3	G	4	GND
5	B	6	GND
7	VSYNC	8	SCL
9	HSYNC	10	SDA


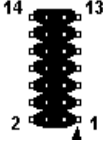
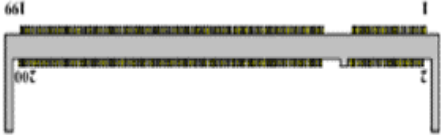
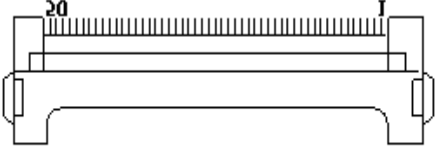
21. DVI1: Digital Video Interface (DVI-D).



PIN	SIGNAL	PIN	SIGNAL
1	TD2- (Digital red-)	13	N.C
2	TD2+ (Digital red+)	14	+VCC
3	GND	15	GND
4	N.C	16	Hot plug detect
5	N.C-	17	TD0- (Digital blue-)
6	DDC clock	18	TD0+ (Digital blue+)
7	DDC data	19	GND
8	N.C	20	N.C
9	TD1- (Digital green-)	21	N.C
10	TD1+ (Digital green+)	22	GND
11	GND	23	TCLK- (Digital clock-)
12	N.C	24	TCLK+ (Digital clock+)

22. J9: RS422/RS485 signal connector (for COM2).		23. COM3*: RS232 signal connector for port #3.																																			
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*:1. COM1 is the external UART RS-232 port, the text description on the PCB board is “CON1”.

*:2. COM2 is the internal UART RS-232/422/485 port, the text description on the PCB board is “COM1”.

*:3. COM3 is the internal UART RS-232 port, the text description on the PCB board is “COM2”.

*:4. COM4 is the internal UART RS-232 port, the text description on the PCB board is “COM3”.

NOTE 1:**J12: Front panel connector.**

STATUS	SETTING
1, 2	External buzzer. 5: Buzz + 6: Buzz -
3, 4	Hardware reset
5, 6	Power button for ATX mode; jumper shorted for AT mode.

When using **AT mode** in the system, the pin5-6 of header **J12** must be shorted. If using **ATX mode** in the system, the pin5-6 of header **J12** should connect to a **Push-Button-Switch**.

NOTE: When using AT mode, the monitor will not display any message and the system will not auto-shut down after soft-off. In this case, please cut the PSU's power off or remove PSU's power to cut the system power off.