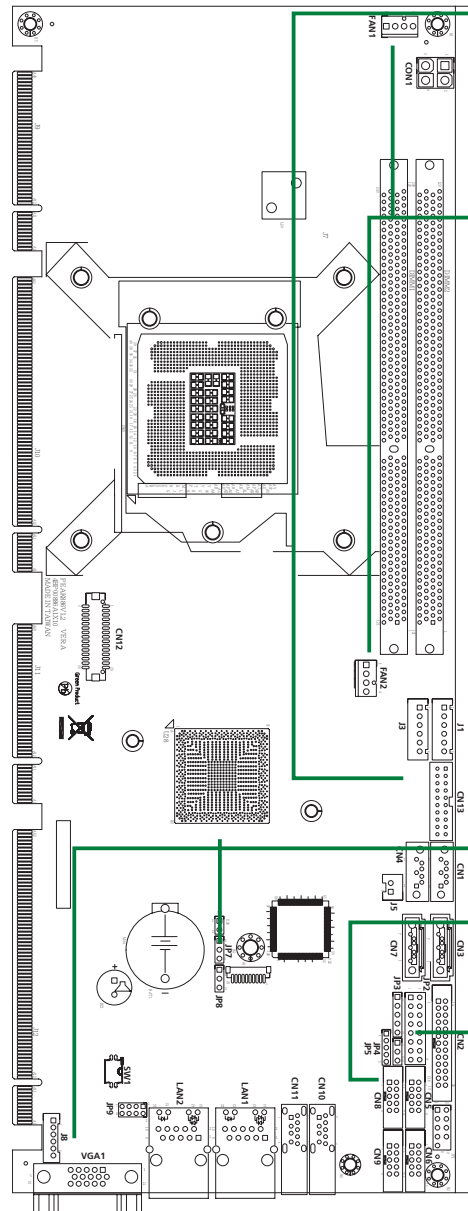


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J1, J3: USB2.0 Port

Pin	Signal	Pin	Signal
1	VCC(+5V)	2	USBN
3	USBP	4	USBN
5	USBP	6	GND

FAN1, FAN2: Smart FAN Connector

Pin	Signal	Pin	Signal
1	GND	2	+12V
3	S1_FANIO1	4	S1_FANPWM1

J8: KB/MS Connector

Pin	Signal	Pin	Signal
1	VCC(+5V)	2	KDAT
3	KCLK	4	MDAT
5	MCLK	6	GND

**CN8(COM1), CN6(COM4), CON9(COM3):
Serier Port Box header**

Pin	Signal	Pin	Signal
1	DCD#	2	RX
3	TX	4	DTR#
5	GND	6	DSR#
7	RTS#	8	CTS#
9	RI#	10	NC

JP2: 2x8 Pin Header

Pin	Signal	Pin	Signal
1	SATA_LED+	2	POWER_LED+
3	SATA_LED-	4	POWER_LED-
5	RESET BOTTON-	6	POWER BOTTON+
7	RESET BOTTON+	8	POWER BOTTON-
9	SPKR OUT	10	SMB_CLK
11	N/A	12	SMB_DATA
13	N/A	14	SYSTEM TEMP
15	SPKR IN	16	TEMP GND

CON1: +12V Power Connector

Pin	Signal	Pin	Signal
1	GND	2	GND
3	+12V	4	+12V

JP7: CMOS Connector

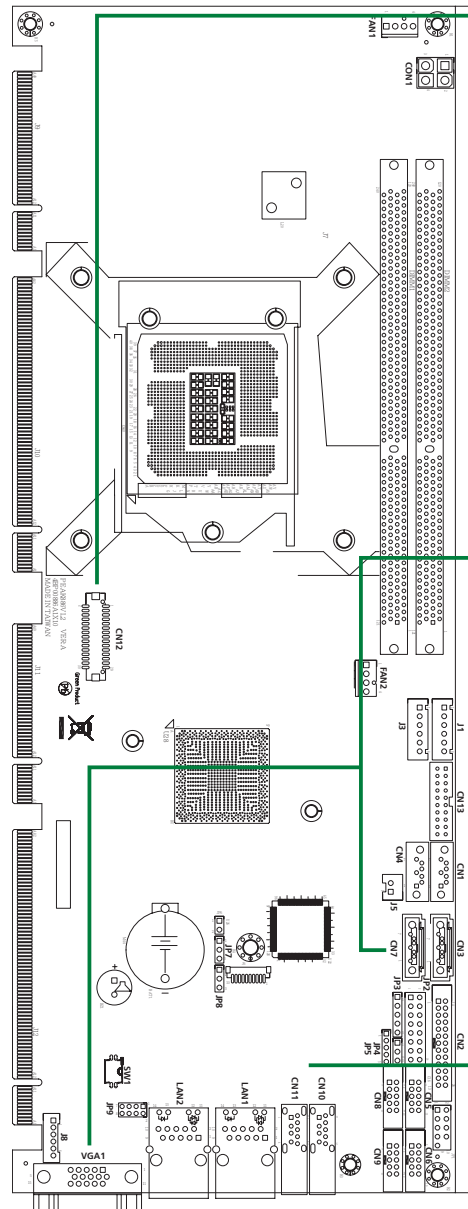
Pin	Signal	Pin	Signal
1	NC	2	RTCST#
3	GND		

CN5: Serier Port Box header(COM2-RS232-RS422-R485)

Pin	Signal	Pin	Signal
RS232			
1	DCD#	2	RX
3	TX	4	DTR#
5	GND	6	DSR#
7	RTS#	8	CTS#
9	RI#	10	NC
RS422			
1	TX#	2	TX
3	RX	4	RX#
5	GND	6	RTS#
7	RTS	8	CTS
9	CTS#	10	NC
RS485			
1	TX# / RX#	2	TX / RX
3	NC	4	NC
5	NC	6	NC
7	NC	8	NC
9	NC	10	NC

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CN2: Parallel Port Box Header

Pin	Definition	Pin	Definition
1	Line Print Strobe	14	Auto Feed#
2	Parallel Data 0	15	Error#
3	Parallel Data 1	16	Initialize#
4	Parallel Data 2	17	Select Input#
5	Parallel Data 3	18	GND
6	Parallel Data 4	19	GND
7	Parallel Data 5	20	GND
8	Parallel Data 6	21	GND
9	Parallel Data 7	22	GND
10	Acknowledge#	23	GND
11	Busy	24	GND
12	Paper empty	25	GND
13	Select	26	NC

CN3, CN7: SATA 2 Port Connector

Pin	Description	Pin	Description
1	GND	2	TXP0
4	GND	3	TXN0
7	GND	5	RXN0
		6	RXP0

CN1, CN4: SATA 3 Port Connector

Pin	Description	Pin	Description
1	GND	2	TXP1
4	GND	3	TXN1
7	GND	5	RXN1
		6	RXP1

CN10, CN11: USB3.0 Age Connector

Pin	Signal	Pin	Signal
1	VCC(+5V)	2	USBN
3	USBP	4	GND
5	USB3.0_RXN	6	USB3.0_RXP
7	GND	8	USB3.0_TXN
9	USB3.0_TXP		

CN12: DVI / HDMI Port Connector

Pin	Description	Pin	Description
1	DPB0 P	2	HDMI POWER(+5V)
3	DPB0 N	3	HDMI POWER(+5V)
5	GND	6	DPB POWER(+3.3V)
7	DPB1 P	8	DPB POWER(+3.3V)
9	DPB1 N	10	HDMI_DIS
11	GND	12	HDMI_CTRL_CLK
13	DPB2 P	14	GND
15	DPB2 N	16	HDMI_CTRL_DATA
17	GND	18	GND
19	DPB3 P	20	GND
21	DPB3 N	22	GND
23	GND	24	HDMI_HPD
25	DPB AUX P	26	GND
27	DPB AUX N	28	DPB_HPD
29	GND	30	GND

VGA1: VGA Port Connector

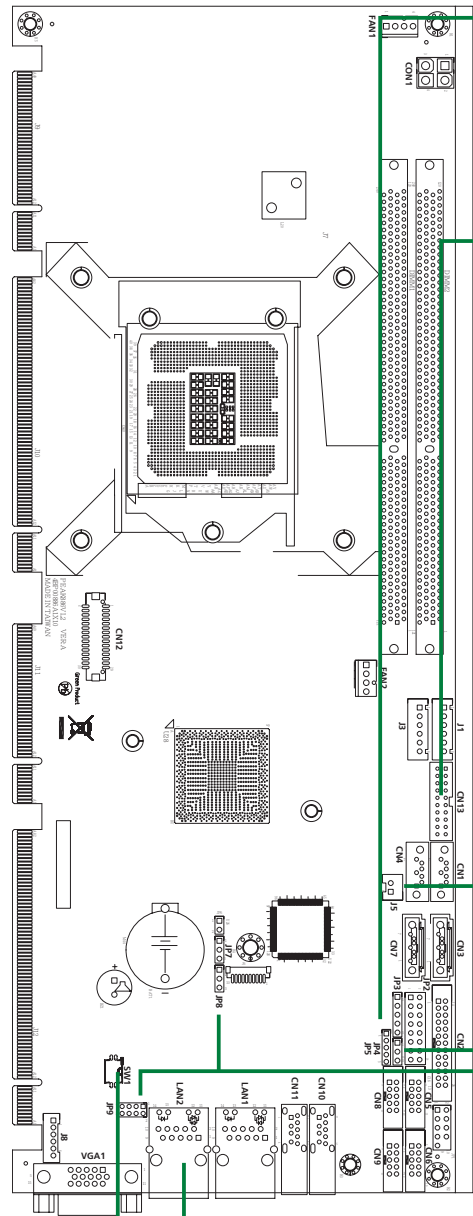
Pin	Signal	Pin	Signal
1	CRT_RED	2	CRT_GREEN
3	CRT_BLUE	4	NC
5	GND	6	GND
7	GND	8	GND
9	5V	10	GND
11	NC	12	CRT_SDA
13	CRT_HSYNC	14	CRT_VSYNC
15	CRTDDCLK		

LAN1: LAN Port Connector

Pin	Signal	Pin	Signal
1	LAN1_M0P	2	LAN1_M0N
3	LAN1_M1P	4	LAN1_M2P
5	LAN1_M2N	6	LAN1_M1N
7	LAN1_M3P	8	LAN1_M3N
9	LAN1LINK#	10	LAN LED1+
11	LAN1_LED_LNK#_ACT	12	LAN LED2+

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JP3 : IrDA Pin Header

Pin	Signal	Pin	Signal
1	VCC5	2	CIR RX
3	IR RX	4	GND
5	IR TX		

JP5 : RI Pin Header

Pin	Signal	Pin	Signal
1	VCC5	2	CON_9
3	+12V	4	CON_9
5	COM_RI		

CN13: USB3.0 Box Header

Pin	Signal	Pin	Signal	Pin	Signal	Pin	Signal
1	P5V_OC01_C	2	USB3_RX4_N_C	3	USB3_RX4_P_C	4	GND
5	USB3_TX4_N_C	6	USB3_TX4_P_C	7	GND	8	USB_1N_R
9	USB_1P_R	10	USB3_ID	11	USB_0P_R	12	USB_0N_R
13	GND	14	USB3_TX3_P_C	15	USB3_TX3_N_C	16	GND
17	USB3_RX3_P_C	18	USB3_RX3_N_C	19	P5V_OC01_C		

J5: SATA DOM Power Connector

Pin	Signal	Pin	Signal
1	VCC5	2	GND

JP4: AT/ATX Pin Header

Pin	Signal	Pin	Signal
1	AT_PWRBT#	2	PCH PWRBT#
3	EXTAL PWRBT#		

JP8: ME Connector Reset

Pin	Signal	Pin	Signal
1	NC	2	SRTCRST#
3	GND		

JP9: LAN LED Pin Header

Pin	Signal	Pin	Signal
1	LAN1 ACT LED-	2	LAN2 ACT LED-
3	LAN1 ACT LED+	4	LAN2 ACT LED+
5	LAN1 LINK 1G	6	LAN2 LINK 1G
7	LAN1 LINK 100	8	LAN2 LINK 100

SW1: DIP Switch

Pin	Signal
SW1.1	OFF: Control by SW1.2
SW1.2	ON: PCIE X1 OFF: PCIE X4

LAN2: LAN Port Connector

Pin	Signal	Pin	Signal
1	LAN2_M0P	2	LAN2_M0N
3	LAN2_M1P	4	LAN2_M2P
5	LAN2_M2N	6	LAN2_M1N
7	LAN2_M3P	8	LAN2_M3N
9	LAN2_LINK#	10	LAN LED1+
11	LAN2_LED1	12	LAN LED2+