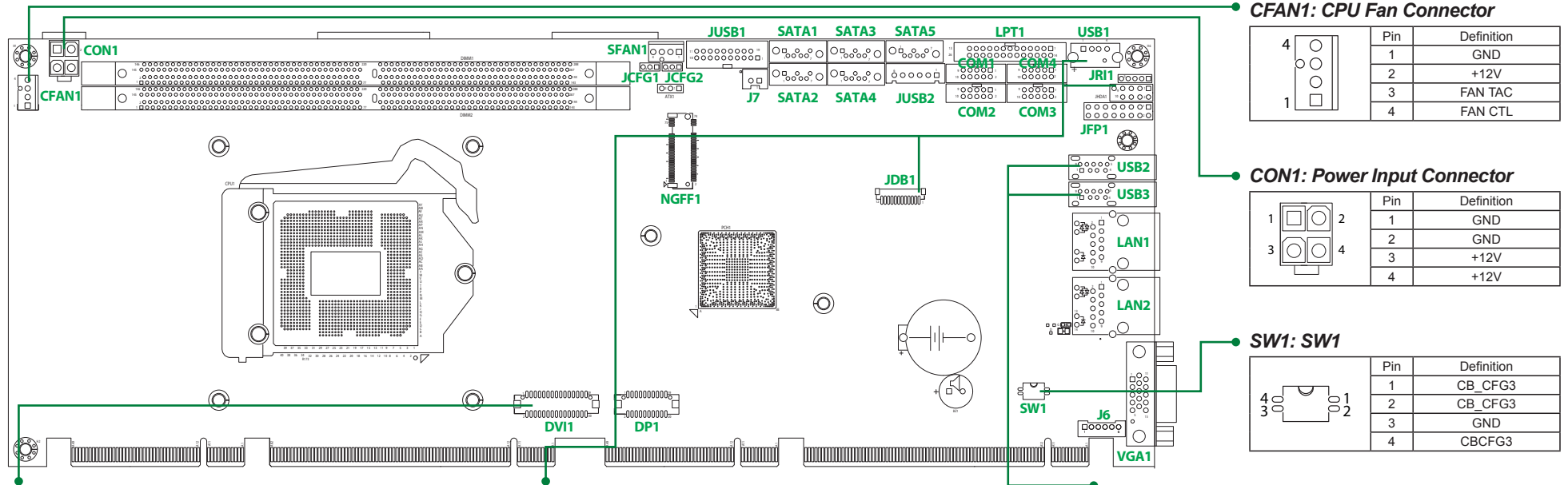


PEAK 888 Quick Reference Guide

Ver A. (P/N: 60177A0523X00)



CFAN1: CPU Fan Connector

Pin	Definition
1	GND
2	+12V
3	FAN TAC
4	FAN CTL

CON1: Power Input Connector

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

SW1: SW1

Pin	Definition
1	CB_CFG3
2	CB_CFG3
3	GND
4	CBCFG3

DV11: DVI/HDMI Pin Header

Pin	Definition	Pin	Definition
1	DPC_L0_P_R	2	HDMIC_PWR_R
3	DPC_L0_N_R	4	HDMIC_PWR_R
5	GND	6	NC
7	DPC_L1_P_R	8	NC
9	DPC_L1_N_R	10	HDMI_DIS
11	GND	12	HDMI_CTRL_CLK
13	DPC_L2_P_R	14	GND
15	DPC_L2_N_R	16	HDMI_CTRL_DATA
17	GND	18	GND
19	DPC_L3_P_R	20	GND
21	DPC_L3_N_R	22	GND
23	GND	24	HDMI_HPD
25	NC	26	GND
27	NC	28	NC
29	DVI_GND	30	DVI_GND
MH1	DVI_GND	MH2	DVI_GND

USB1: USB2.0 Connector (PEAK 888Q only)

Pin	Definition	Pin	Definition
1	P5V_OC10_C	2	USB10-
3	USB10+	4	USB7-
MH1	CHASIS_GND	MH2	CHASIS_GND

JHDA1: HDA Pin Header

Pin	Definition	Pin	Definition
1	S_HDA_SDO	2	VCC5
3	S_HDA_RST#	4	GND
5	S_HDA_SYNC	6	+12V
7	S_HDA_SDI0	8	S_HDA_SDI1
9	S_HDA_BCLK	10	NC

JDB1: Debug Port

Pin	Definition	Pin	Definition
1	LPC_SERIRQ	2	NC
3	GND	4	RST_SIO_N
5	CLK_PCI_P80	6	LPC_FRAME#
7	LPC_AD3	8	LPC_AD2
9	LPC_AD1	10	LPC_AD0
11	VCC3	12	VCC3
MH1	GND	MH2	GND

USB2: USB3.0 Connector

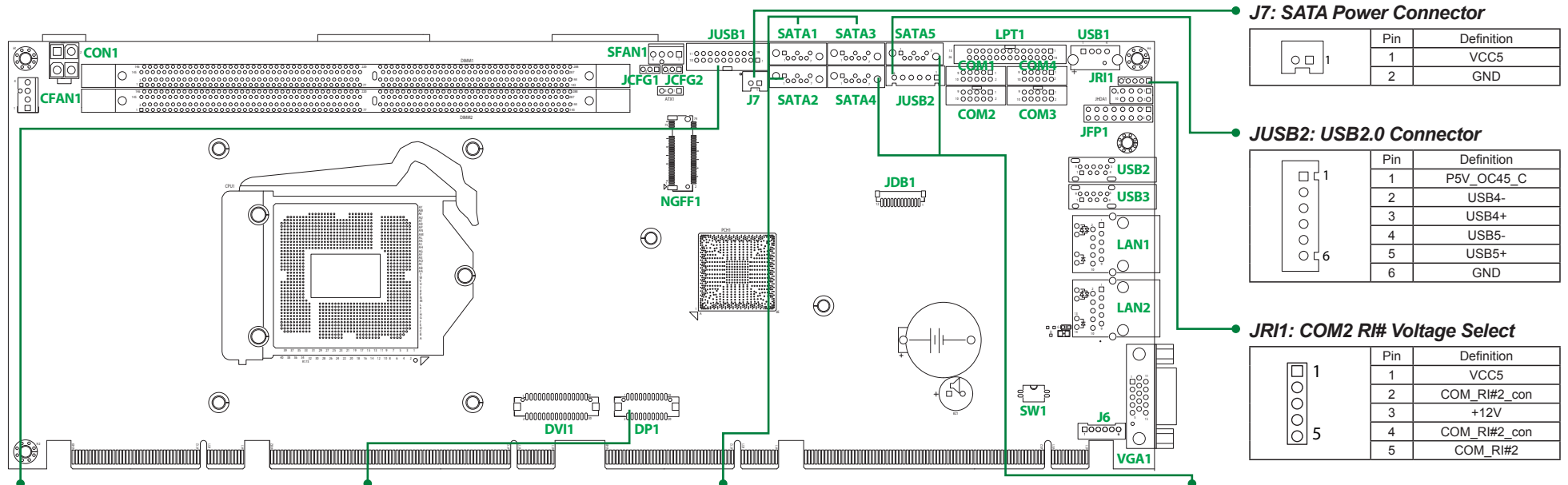
Pin	Definition	Pin	Definition
1	P5V_OC01_C	2	USB_1N_C
3	USB_1P_C	4	GND
5	USB3_RX2_N_C	6	USB3_RX2_P_C
7	GND	8	USB3_TX2_N_C
9	USB3_TX2_P_C	MH1	CHASIS_GND
MH2	CHASIS_GND	MH3	CHASIS_GND
MH4	CHASIS_GND		

USB3: USB3.0 Connector

Pin	Definition	Pin	Definition
1	P5V_OC01_C	2	USB_0N_C
3	USB_0P_C	4	GND
5	USB3_RX1_N_C	6	USB3_RX1_P_C
7	GND	8	USB3_TX1_N_C
9	USB3_TX1_P_C	MH1	CHASIS_GND
MH2	CHASIS_GND	MH3	CHASIS_GND
MH4	CHASIS_GND		

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JUSB1: USB3.0 Box Header

Pin	Definition
1	P5V_OC23_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_3N_R
9	USB_3P_R
10	USB3_ID
11	USB_2P_R
12	USB_2N_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_OC23_C

DP1: DP Connector

Pin	Definition
1	DPD_PWR_R
2	DPD_PWR_R
3	GND
4	GND
5	DDI3_TXN_R1
6	DDI3_TXN_R3
7	DDI3_TXP_R1
8	DDI3_TXP_R3
9	GND
10	GND
11	DDI3_TXN_R0
12	DDI3_TXN_R2
13	DDI3_TXP_R0
14	DDI3_TXP_R2
15	GND
16	GND
17	DPD_AUX_P_R
18	DPD_HPD_R
19	DPD_AUX_N_R
20	DP_GND
MH1	DP_GND
MH2	DP_GND

SATA1: SATA Connector

Pin	Definition	Pin	Definition
1	SATA2_SEL	2	R_SATA_TXP2
3	R_SATA_TXN2	4	GND
5	B_SATA_RXN2	6	B_SATA_RXP2
7	GND		

SATA2: SATA Connector

Pin	Definition	Pin	Definition
1	SATA3_SEL	2	R_SATA_TXP0
3	R_SATA_TXN0	4	GND
5	B_SATA_RXN0	6	B_SATA_RXP0
7	GND		

SATA3: SATA Connector

Pin	Definition	Pin	Definition
1	GND	2	R_SATA_TXP0
3	R_SATA_TXN0	4	GND
5	B_SATA_RXN0	6	B_SATA_RXP0
7	GND		

SATA4: SATA Connector (PEAK 888Q only)

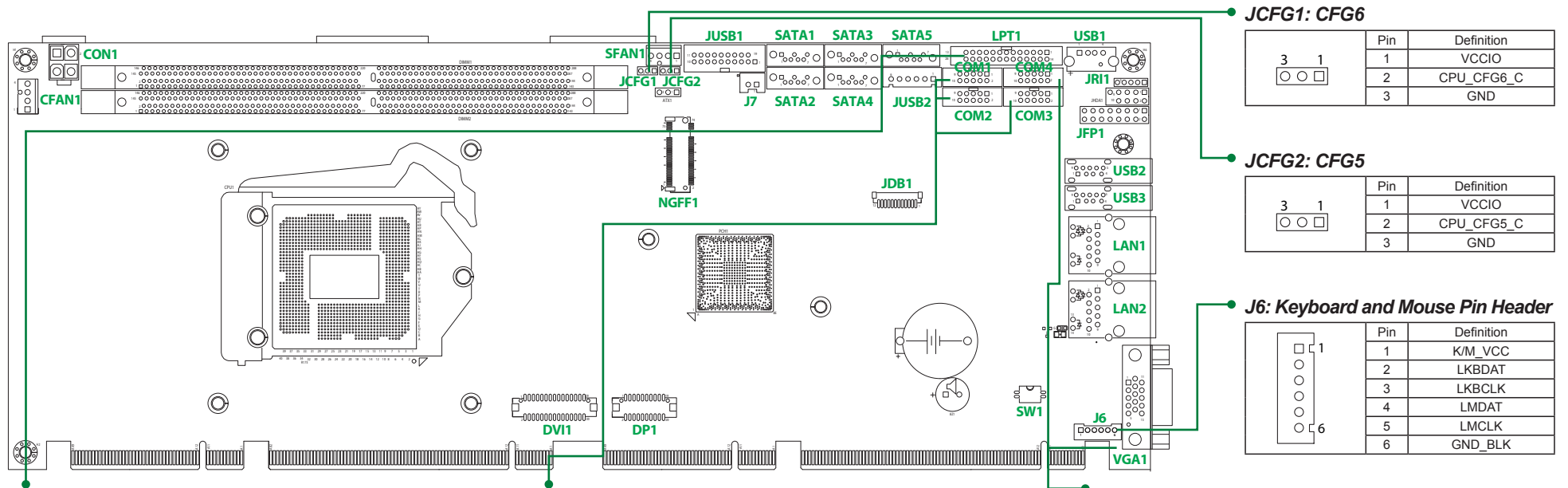
Pin	Definition
1	GND
2	R_SATA_TXP4
3	R_SATA_TXN4
4	GND
5	B_SATA_RXN4
6	B_SATA_RXP4
7	GND

SATA5: SATA Connector (PEAK 888Q only)

Pin	Definition
1	GND
2	R_SATA_TXP5
3	R_SATA_TXN5
4	GND
5	B_SATA_RXN5
6	B_SATA_RXP5
7	GND

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JCFG1: CFG6

Pin	Definition
1	VCCIO
2	CPU_CFG6_C
3	GND

JCFG2: CFG5

Pin	Definition
1	VCCIO
2	CPU_CFG5_C
3	GND

J6: Keyboard and Mouse Pin Header

Pin	Definition
1	K/M_VCC
2	LKBDAT
3	LKBCLK
4	LMDAT
5	LMCLK
6	GND_BLK

LPT1: Printer Port

Pin	Definition	Pin	Definition
1	RPSTB	2	RPSTB0
3	RPSTB1	4	RPSTB2
5	RPSTB3	6	RPSTB4
7	RPSTB5	8	RPSTB6
9	RPSTB7	10	S1_LPTACK#
11	S1_LPTBUSY	12	S1_LPTPE
13	S1_LPTSLCT	14	S1_LPTAFD#
15	S1_LPTERR#	16	S1_LPTINIT#
17	S1_LPTSLIN#	18	GND_P1
19	GND_P1	20	GND_P1
21	GND_P1	22	GND_P1
23	GND_P1	24	GND_P1
25	GND_P1	26	NC

COM1: RS232 Box Header Connector COM1

Pin	Definition	Pin	Definition
1	COM_DCD#1	2	COM_RXD1
3	COM_TXD1	4	COM_DTR#1
5	GND	6	COM_DSR#1
7	COM_RTS#1	8	COM_CTS#1
9	COM_RI#1	10	GND

COM4: RS232 Box Header Connector COM4

Pin	Definition	Pin	Definition
1	COM_DCD#4	2	COM_RXD4
3	COM_TXD4	4	COM_DTR#4
5	GND	6	COM_DSR#4
7	COM_RTS#4	8	COM_CTS#4
9	COM_RI#4	10	GND

COM2: RS232/422/485 Box Header Connector COM2

Pin	Definition	Pin	Definition
1	COM_DCD#2	2	COM_RXD2
4	COM_TXD2	4	COM_DTR#2
5	GND	6	COM_DSR#2
7	COM_RTS#2	8	COM_CTS#2
9	COM_RI#2_con	10	GND

VGA1: VGA Connector

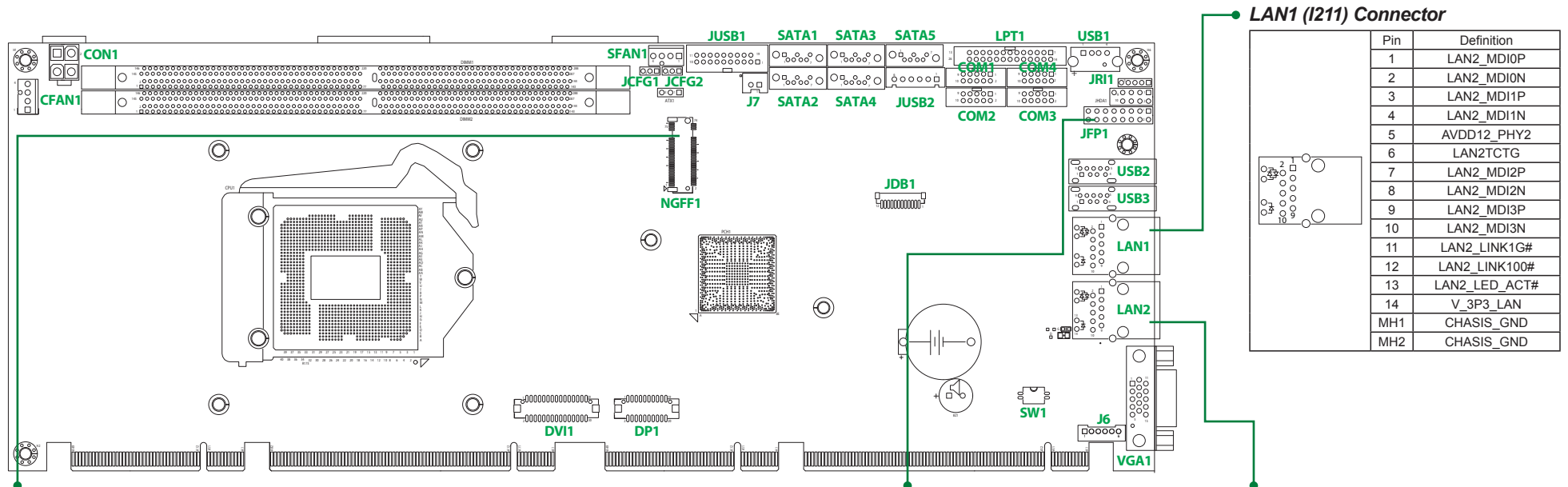
Pin	Definition	Pin	Definition
1	RED_VGA	2	GREEN_VGA
3	BLUE_VGA	4	NC
5	GND	6	GND
7	GND	8	GND
9	VGA_+5V	10	GND
11	NC	12	DDC_DATA_VGA
13	HSYNC_VGA	14	VSYNC_VGA
15	DDC_CLK_VGA	MH1	CHASIS_GND
		MH2	CHASIS_GND

COM3: RS232 Box Header Connector COM3

Pin	Definition	Pin	Definition
1	COM_DCD#3	2	COM_RXD3
3	COM_TXD3	4	COM_DTR#3
5	GND	6	COM_DSR#3
7	COM_RTS#3	8	COM_CTS#3
9	COM_RI#3	10	GND

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LAN1 (I211) Connector

Pin	Definition
1	LAN2_MDIOP
2	LAN2_MDI0N
3	LAN2_MDI1P
4	LAN2_MDI1N
5	AVDD12_PHY2
6	LAN2TCTG
7	LAN2_MDI2P
8	LAN2_MDI2N
9	LAN2_MDI3P
10	LAN2_MDI3N
11	LAN2_LINK1G#
12	LAN2_LINK100#
13	LAN2_LED_ACT#
14	V_3P3_LAN
MH1	CHASIS_GND
MH2	CHASIS_GND

NGFF1: M2 Connector

Pin	Definition	Pin	Definition	Pin	Definition	Pin	Definition
1	GND	2	NGFF1_3V3	3	GND	4	NGFF1_3V3
5	PERN3	6	NC	7	PERP3	8	NC
9	GND	10	NC	11	PETN3	12	NGFF1_3V3
13	PETP3	14	NGFF1_3V3	15	GND	16	NGFF1_3V3
17	PERN2	18	NGFF1_3V3	19	PERP2	20	NC
21	GND	22	NC	23	PETN2	24	NC
25	PETP2	26	NC	27	GND	28	NC
29	PERN1	30	NC	31	PERP1	32	NC
33	GND	34	NC	35	PETN1	36	NC
37	PETP1	38	NC	39	GND	40	NC
41	PERN0	42	NC	43	PERP0	44	NC
45	GND	46	NC	47	PETN0	48	NC
49	PETP0	50	RST_M2M_N	51	GND	52	PCIEREQ#1_NGFF_R
53	REFCLKN	54	NC	55	REFCLKP	56	NC
57	GND	58	NC	59	NC	60	NC
61	NC	62	NC	63	NC	64	NC
65	NC	66	NC	67	NC	68	NC
69	SATA_PCIE_SEL	70	NGFF1_3V3	71	GND	72	NGFF1_3V3
73	GND	74	NGFF1_3V3	75	GND	MH1	GND
MH2	GND	NH1	NC	NH2	NC		

JFP1: Power On/Off/Reset & PWR/
HDD LED Pin Header

Pin	Definition
1	SATA_LED_P
2	PWR_LED_P
3	SATA_LED#
4	GND
5	GND
6	BTN_A#
7	RST_BTN#
8	GND
9	SPKR_OUT
10	SMB_CLK_MAIN
11	NC
12	SMB_DATA_MAIN
13	NC
14	S1_SYSTIN
15	SPKR_IN
16	HW_AGND

LAN2 (I219LM) Connector

Pin	Definition
1	SATA_LED_P
2	PWR_LED_P
3	SATA_LED#
4	GND
5	GND
6	BTN_A#
7	RST_BTN#
8	GND
9	SPKR_OUT
10	SMB_CLK_MAIN
11	NC
12	SMB_DATA_MAIN
13	NC
14	S1_SYSTIN
15	SPKR_IN
16	HW_AGND

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=Pin1 [*] =Default setting