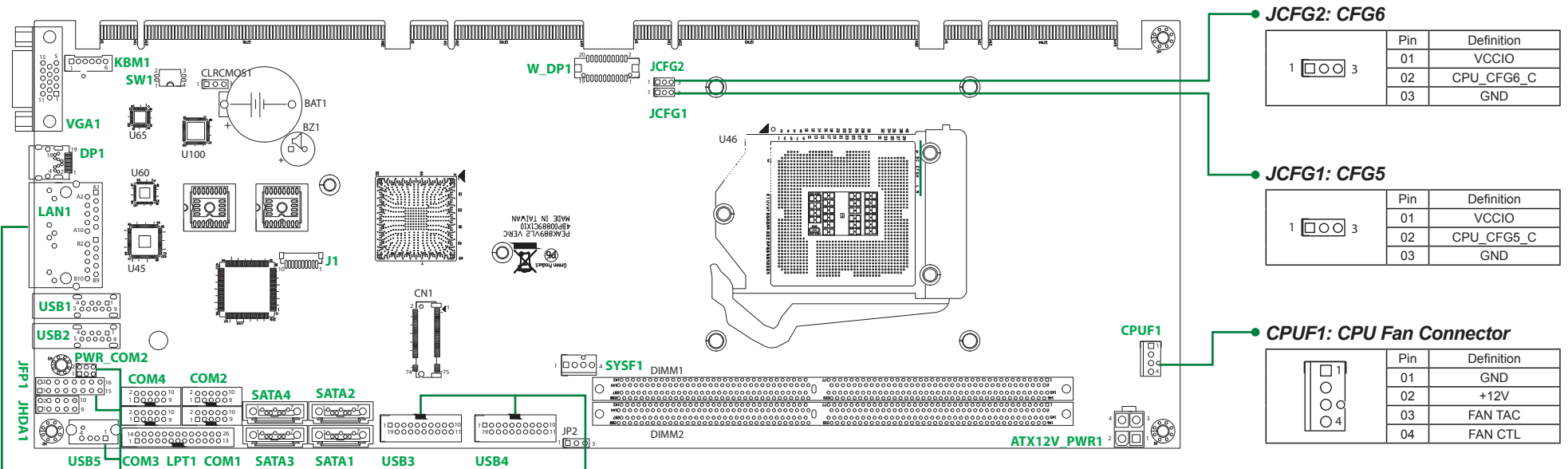


# PEAK 889VL2 Quick Reference Guide

Ver A.



**LAN1: LAN1 (I219LM) Connector**

Pin	Definition	Pin	Definition
01	MDI_PLUS0_C_0	02	MDI_MINUS0_C_0
03	MDI_PLUS1_C_0	04	MDI_MINUS1_C_0
05	TCT_0	06	TCTG_0
07	MDI_PLUS2_C_0	08	MDI_MINUS2_C_0
09	MDI_PLUS3_C_0	10	MDI_MINUS3_C_0
11	LAN0_LED2+	12	LED2_100#_C_0
13	LED0_ACT_C_0	14	LAN0_LED1+
MH1	CHASIS_GND	MH2	CHASIS_GND

**LAN1: LAN1 (I211) Connector**

Pin	Definition	Pin	Definition
01	LAN2_MDI0P	02	LAN2_MDI0N
03	LAN2_MDI1P	04	LAN2_MDI1N
05	AVDD12_PHY2	06	LAN2TCTG
07	LAN2_MDI2P	08	LAN2_MDI2N
09	LAN2_MDI3P	10	LAN2_MDI3N
11	LAN2_LINK1G#	12	LAN2_LINK100#
13	LAN2_LED_ACT#	14	LAN2_ACT_P
MH1	CHASIS_GND	MH2	CHASIS_GND

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

Pin	Definition	Pin	Definition
01	HDD_LED	02	PWR_LED
03	HDD_LED#	04	GND
05	GND	06	SHB_PWR_BTN#
07	SHB_RST_BTN#	08	GND
09	SPKR_P	10	SMB_CLK_MAIN
11	SPKR_P	12	SMB_DATA_MAIN
13	SPKR_N	14	SYS_TIN_3
15	SPKR_N	16	HW_AGND

**PWR\_COM2: COM2 R# Voltage Select**

Pin	Definition	Pin	Definition
01	+5V	02	PWR_RI#_COM2
03	PWR_RI#_COM2	04	+12V
05	COM_RI#2	06	PWR_RI#_COM2

**USB5: USB2.0 Connector**

Pin	Definition	Pin	Definition
01	+5V_USB2_P14	02	USB2N_14
03	USB2P_14	04	GND
MH1	GND	MH2	GND

**USB3: USB 3.0 Box Header**

Pin	Definition	Pin	Definition
01	+5V_USB3_P34	02	USB31_RXN4
03	USB31_RXP4	04	GND
05	USB31_TX_C_N4	06	USB31_TX_C_P4
07	GND	08	USB2N_4
09	USB2P_4	10	NC
11	USB2P_3	12	USB2N_3
13	GND	14	USB31_TX_C_P3
15	USB31_TX_C_N3	16	GND
17	USB31_RXP3	18	USB31_RXN3
19	+5V_USB3_P34		

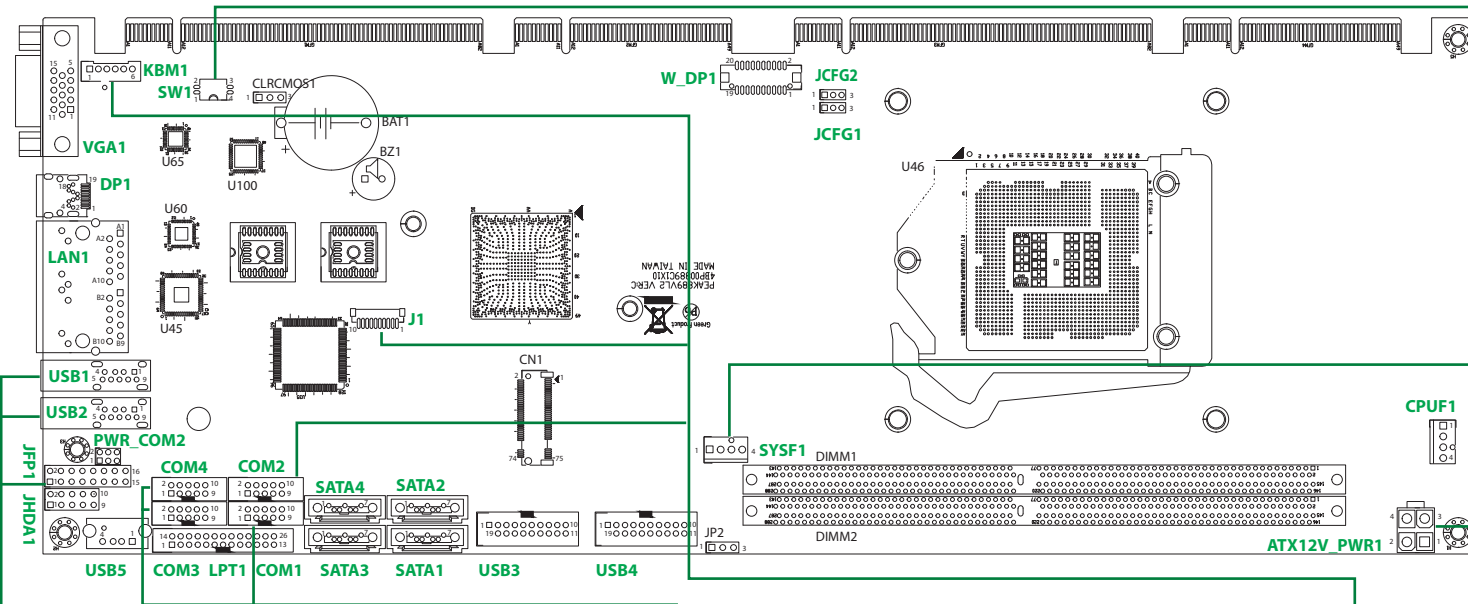
**USB4: USB 3.0 Box Header**

Pin	Definition	Pin	Definition
01	+5V_USB3_P9A	02	USB31_RXN10
03	USB31_RXP10	04	GND
05	USB31_TX_C_N10	06	USB31_TX_C_P10
07	GND	08	USB2N_10
09	USB2P_10	10	NC
11	USB2P_9	12	USB2N_9
13	GND	14	USB31_TX_C_P9
15	USB31_TX_C_N9	16	GND
17	USB31_RXP9	18	USB31_RXN9
19	+5V_USB3_P9A		



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SW1: SW1

Pin	Definition
01	SET_BIOS
02	CB_CFG3
03	GND
04	SET_BIOS

SYSF1: System Fan Connector

Pin	Definition
01	GND
02	+12V
03	FAN TAC
04	FAN CTL

ATX12V\_PWR1: Power Input Connector

Pin	Definition
01	GND
02	GND
03	+12V
04	+12V

USB1: USB 3.0 Connector

Pin	Definition	Pin	Definition
01	+5V_USB3_P12	02	USB2N_1
03	USB2P_1	04	GND
05	USB31_RXN1	06	USB31_RXP1
07	GND	08	USB31_TXP1
09	USB31_TXN1		
MH1	CHASIS_GND	MH2	CHASIS_GND

COM4: RS232 Box Header Connector COM4

Pin	Definition	Pin	Definition
01	COM_DCD#4	02	COM_RXD4
03	COM_TXD4	04	COM_DTR#4
05	GND	06	COM_DSR#4
07	COM_RTS#4	08	COM_CTS#4
09	COM_RI#4	10	GND

KBM1: Keyboard and Mouse Pin Header

Pin	Definition	Pin	Definition
01	+5V_KBM	02	LKBDAT
03	LKBCLK	04	LMDAT
05	LMCLK	06	GND

USB2: USB 3.0 Connector

Pin	Definition	Pin	Definition
01	+5V_USB3_P12	02	USB2N_2
03	USB2P_2	04	GND
05	USB31_RXN2	06	USB31_RXP2
07	GND	08	USB31_TXP2
09	USB31_TXN2		
MH1	CHASIS_GND	MH2	CHASIS_GND

COM3: RS232/422/485 Box Header Connector COM3

Pin	Definition	Pin	Definition
01	COM_DCD#3	02	COM_RXD3
03	COM_TXD3	04	COM_DTR#3
05	GND	06	COM_DSR#3
07	COM_RTS#3	08	COM_CTS#3
09	COM_RI#3	10	GND

J1: Debug Port

Pin	Definition	Pin	Definition
01	GND	02	PLTRST#_BUFF_1
03	CLKOUT_LPC1	04	LFRAME#
05	LAD3	06	LAD2
07	LAD1	08	LAD0
09	SERIRQ	10	+3V3

JHD1: HDA Pin Header

Pin	Definition	Pin	Definition
01	S_HDA_SDO	02	VCC5
03	S_HDA_RST#	04	GND
05	S_HDA_SYNC	06	+12V
07	S_HDA_SDI0	08	S_HDA_SDI1
09	S_HDA_BCLK	10	NC

COM1: RS232 Box Header Connector COM1

Pin	Definition	Pin	Definition
01	COM_DCD#1	02	COM_RXD1
03	COM_TXD1	04	COM_DTR#1
05	GND	06	COM_DSR#1
07	COM_RTS#1	08	COM_CTS#1
09	COM_RI#1	10	GND

COM2: RS232 Box Header Connector COM2

Pin	Definition	Pin	Definition
01	COM_DCD#2	02	COM_RXD2
03	COM_TXD2	04	COM_DTR#2
05	GND	06	COM_DSR#2
07	COM_RTS#2	08	COM_CTS#2
09	COM_RI#4	10	GND

