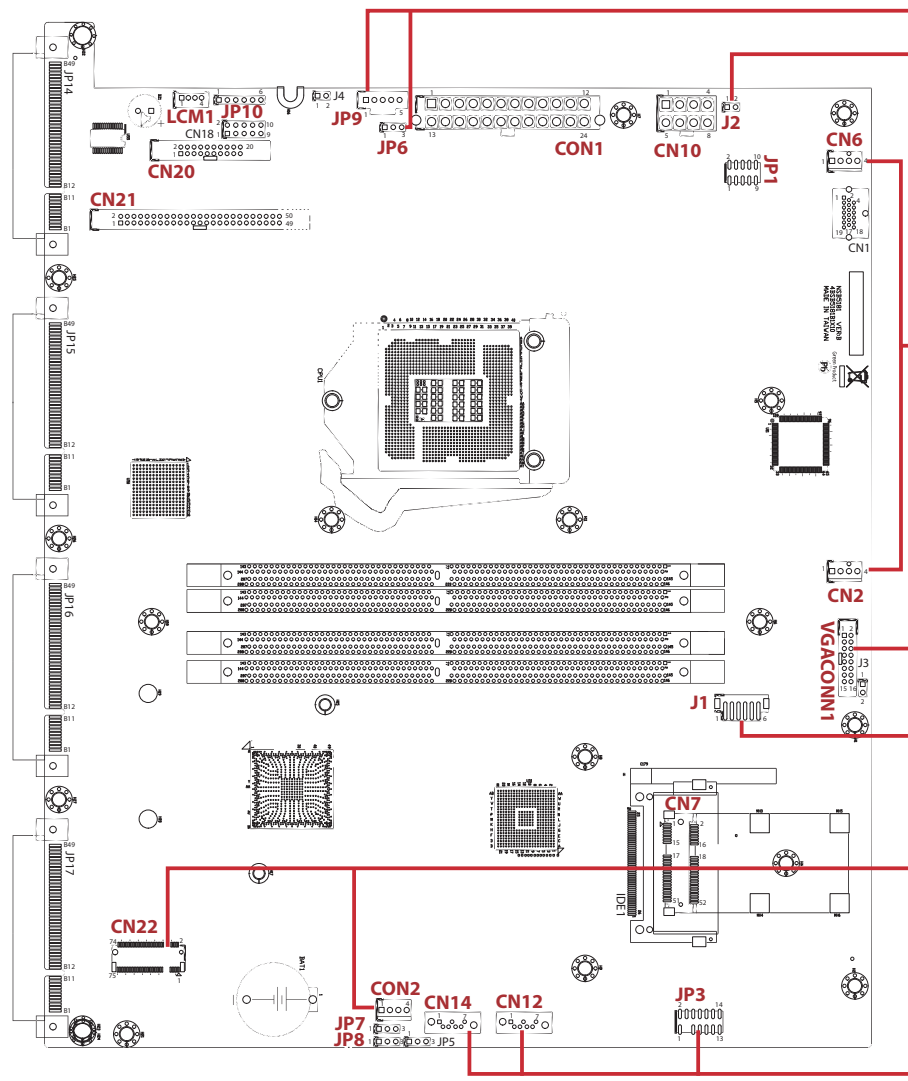


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JP9: PMBUS

Pin	Signal	Pin	Signal
01	PSU_PMB_CLK	04	GND
02	PSU_PMB_DAT	05	NC
03	NC		

JP6: AT/ATX Mode

Pin	Signal	Pin	Signal
01	+3V3_CPLD	1-2	ATX mode
02	AT_ATX_SEL	2-3	AT mode
03	GND		

J2: Power Button

Pin	Signal
01	GND
02	FP_PWR_BTN_N

CN2/CN6: FAN

Pin	Signal	Pin	Signal
01	GND	03	SYSFAN_TACH
02	+P12V	04	SYSFAN_CTL

J1: USB 2.0 (Rear)

Pin	Signal
01	+P5V_USB_P01
02	USB2N0_C
03	USB2P0_C
04	USB2N1_C
05	USB2P1_C
06	GND

VGACONN1: VGA

Pin	Signal	Pin	Signal
01	DACROA_B	10	GND
02	DACGOA_B	11	NC
03	DACBOA_B	12	DDC_DATA0_B
04	NC	13	AHSYNCO_B
05	GND	14	AVSYNCO_B
08	GND	15	DDC_CLKO_B
09	VGA_5V	16	NC

CN22: M.2 Conn.

Pin	Signal	Pin	Signal
38	M2_DEVSLP	47	NGFF_TN
41	NGFF_RP	49	NGFF_TP
43	NGFF_RN		

CN2: SATA Power

Pin	Signal
01	+P12V
02	GND
03	GND
04	+P5V

CN12/CN14: SATA Conn.

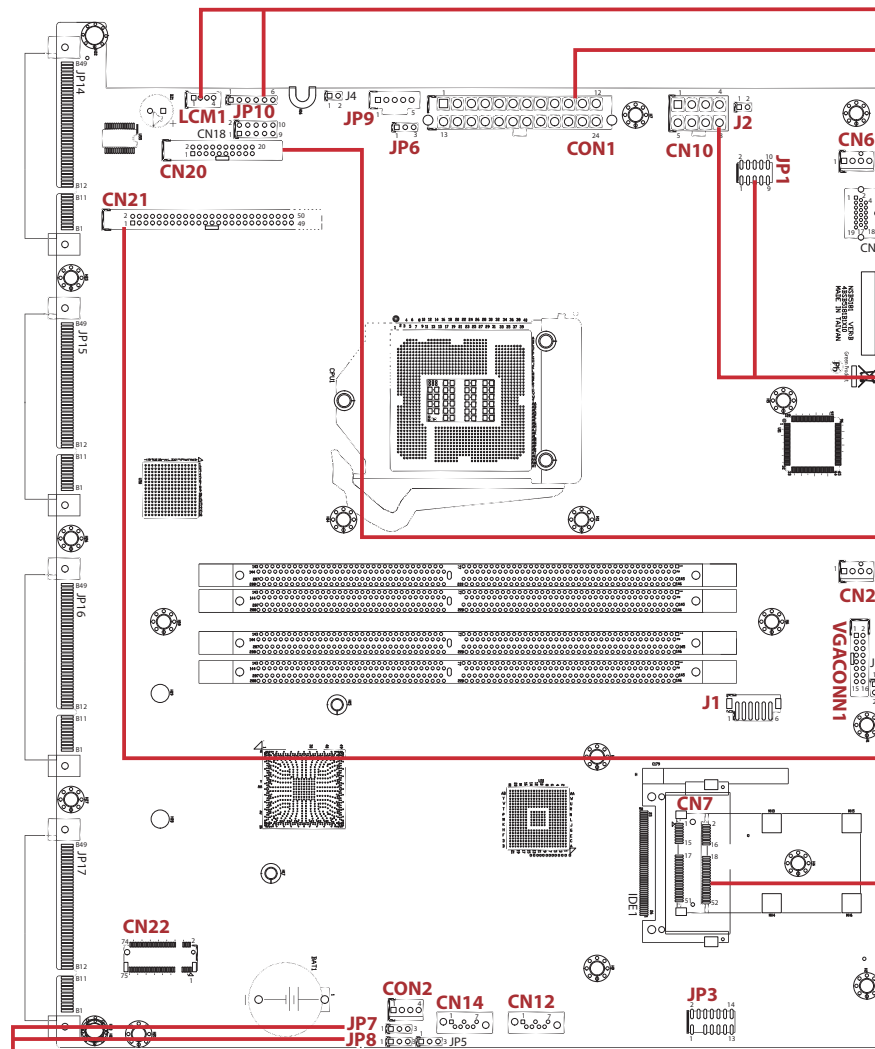
Pin	Signal
01	GND
02	TXP
03	TXN
04	GND
05	RXN
06	RXP
07	GND

JP3: TPM Header

Pin	Signal	Pin	Signal
01	GND	02	CLK_LPC_TPM_R
03	-	04	LPC_FRAME_R1_N
05	LPC_AD2_R1	06	RST_TPM_R1_N
07	LPC_AD1_R1	08	LPC_AD3_R1
09	GND	10	LPC_AD0_R1
11	INT_SERIRQ_R1	12	+P3V3
13	GND	14	GND



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LCM1: LCM

Pin	Signal	Pin	Signal
01	GND	03	SP_LCM_TXD
02	SP_LCM_RXD	04	+P5V

JP10: JTAG for CPLD

Pin	Signal	Pin	Signal
01	+P3V3_CPLD	04	JTAG_PLD_TDO
02	GND	05	JTAG_PLD_TDI
03	JTAG_PLD_TCK	06	JTAG_PLD_TMS

CN1: ATX Power Conn.

Pin	Signal	Pin	Signal	Pin	Signal	Pin	Signal	Pin	Signal
01	+P3.3V	06	+P5V	11	+P12V	16	PS-ON	21	+P5V
02	+P3.3V	07	GND	12	+P3.3V	17	GND	22	+P5V
03	GND	08	PW-OK	13	+P3.3V	18	GND	23	+P5V
04	+P5V	09	+P5_AUX	14	NC	19	GND	24	GND
05	GND	10	+P12V	15	GND	20	NC		

CN10: 12V Power Conn.

Pin	Signal	Pin	Signal
01	GND	05	+P12V
02	GND	06	+P12V
03	GND	07	+P12V
04	GND	08	+P12V

JP1: GPIO

Pin	Signal	Pin	Signal
01	+P3V3	02	GND
03	SW_GPIN1	04	SW_GPOUT1
05	SW_GPIN2	06	SW_GPOUT2
07	SW_GPIN3	08	SW_GPOUT3
09	SW_GPIN4	10	SW_GPOUT4

CN20: NIO1106 IO Board Conn.

Pin	Signal	Pin	Signal	Pin	Signal	Pin	Signal	Pin	Signal
01	GND	05	Reset BTN	09	NA	13	GPIO LED	17	Power LED
02	+P3V3	06	NA	10	NA	14	NA	18	GND
03	+P3V3	07	NA	11	Error LED	15	HDD LED	19	+P5V
04	GND	08	NA	12	NA	16	LAN 1G LED	20	+P5V

CN21: NIO1106 IO Board Conn.

Pin	Signal	Pin	Signal	Pin	Signal	Pin	Signal	Pin	Signal
01	GND	11	PHY_MXN3	21	NA	31	+P3V3	41	USB2_3P
02	PHY_MXP0	12	PHY_MXP3	22	GND	32	+P5V	42	USB2_3N
03	PHY_MXN0	13	GND	23	NA	33	+P5V	43	GND
04	GND	14	LAN ACT LED	24	NA	34	+P5V	44	RJ45_CTS
05	PHY_MXN1	15	LAN 100M LED	25	GND	35	+P5V	45	RJ45_DSR
06	PHY_MXP1	16	GND	26	NA	36	+P5V	46	RJ45_DTR
07	GND	17	NA	27	NA	37	GND	47	RJ45_RXD
08	PHY_MXP2	18	NA	28	GND	38	USB2_2P	48	RJ45_RTS
09	PHY_MXN2	19	GND	29	NA	39	USB2_2N	49	RJ45_TXD
10	GND	20	NA	30	NA	40	GND	50	RJ45_DCD

JP7: Protected RTC

Pin	Signal
01	NC
02	SRTCST_N
03	GND

JP8: CMOS Clear

Pin	Signal
01	NC
02	RTCST_N
03	GND

CN7: mSATA

Pin	Signal	Pin	Signal
23	mSATA_RP	31	mSATA_TN
25	mSATA_RN	33	mSATA_TP

