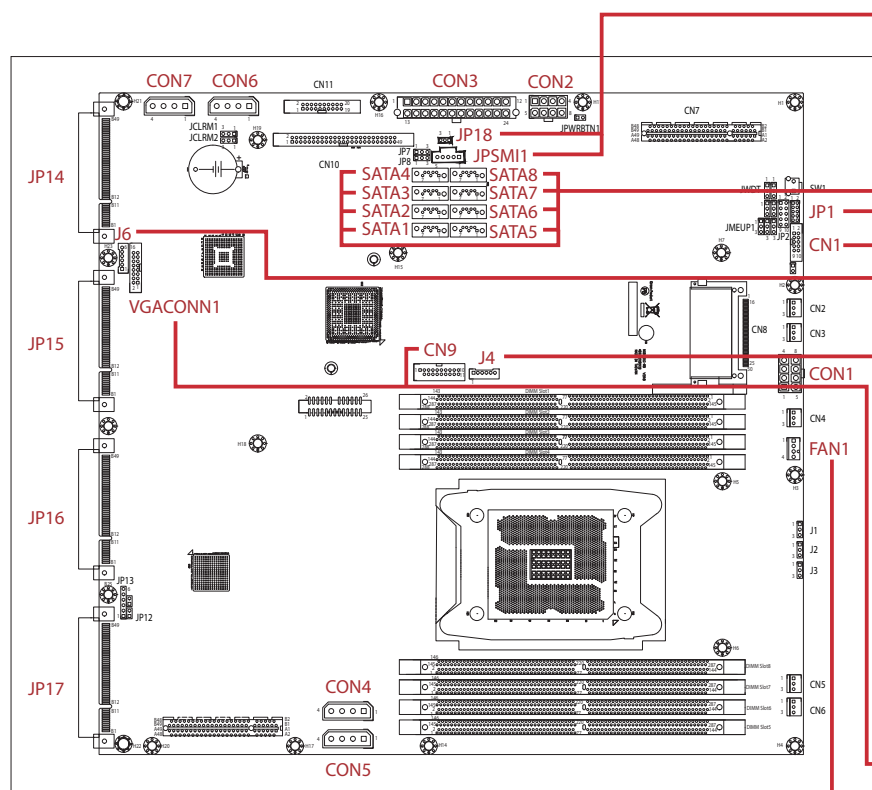




# NSA 7131 Quick Reference Guide



**JP18: PSU TTL Header**

Pin	Signal
01	PSU_status1
02	PSU_status2
03	GND

**JPSMI1: PMBUS Header**

Pin	Signal	Pin	Signal
01	PMBUS_CLK	04	GND
02	PMBUS_DATA	05	NC
03	PMBUS_ALERT#(Reserve)		

**SATA1, SATA2, SATA3, SATA4, SATA5, SATA6, SATA7, SATA8: SATA Connector**

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

**JP1: GPIO Header Reserved**

Pin	Description	Pin	Description
01	P5V	06	SIO_GP07
02	GND	07	SIO_GP04
03	SIO_GP32	08	SIO_GP76
04	SIO_GP06	09	SIO_GP05
05	SIO_GP03	10	SIO_GP77

**CN1: COM PORT Header Reserved**

Pin	Description	Pin	Description
01	SP_DCD2	06	SP_DSR2
02	SP_RXD2	07	SP_RTS2
03	SP_TXD2	08	SP_CTS2
04	SP_DTR2	09	SP_RI2
05	GND	10	GND

**J6: LCM Header**

Pin	Description	Pin	Description
01	TX	04	5V
02	RX	05	LED_KR_N
03	GND	06	LED_KG_N

**J4: USB 2.0 Header Reserved**

Pin	Description	Pin	Description
01	5V	04	DN3
02	DN2	05	DP3
03	DP2	06	GND

**VGACONN1: VGA PORT**

Pin	Description	Pin	Description
01	DACROA_B	09	VGA_VCC
02	DACGOA_B	10	GND
03	DACBOA_B	11	NC
04	NC	12	DDC_DATAO_B
05	GND	13	GND
06	GND	14	AHSYNCO_B
07	GND	15	DDC_CLKO_B
08	GND	16	NC

**CN9: USB 3.0 Header**

Pin	Description	Pin	Description
01	PV5_USB01_C	11	USB2_L_DP0
02	USB2_L_DN1	12	USB2_L_DN0
03	USB2_L_DP1	13	GND
04	GND	14	USB3_L_TX_P1
05	USB3_L_RX_N2	15	USB3_L_TX_N1
06	USB3_L_RX_P2	16	GND
07	GND	17	USB3_L_RX_P1
08	USB3_L_TX_N2	18	USB3_L_RX_N1
09	USB3_L_TX_P2	19	PV5_USB01_C
10	GND	20	NC

**FAN1: 4 Pin Header**

Pin	Signal	Pin	Signal
01	GND	03	FAN_TACH
02	P12V_CPU	04	FAN_PWM