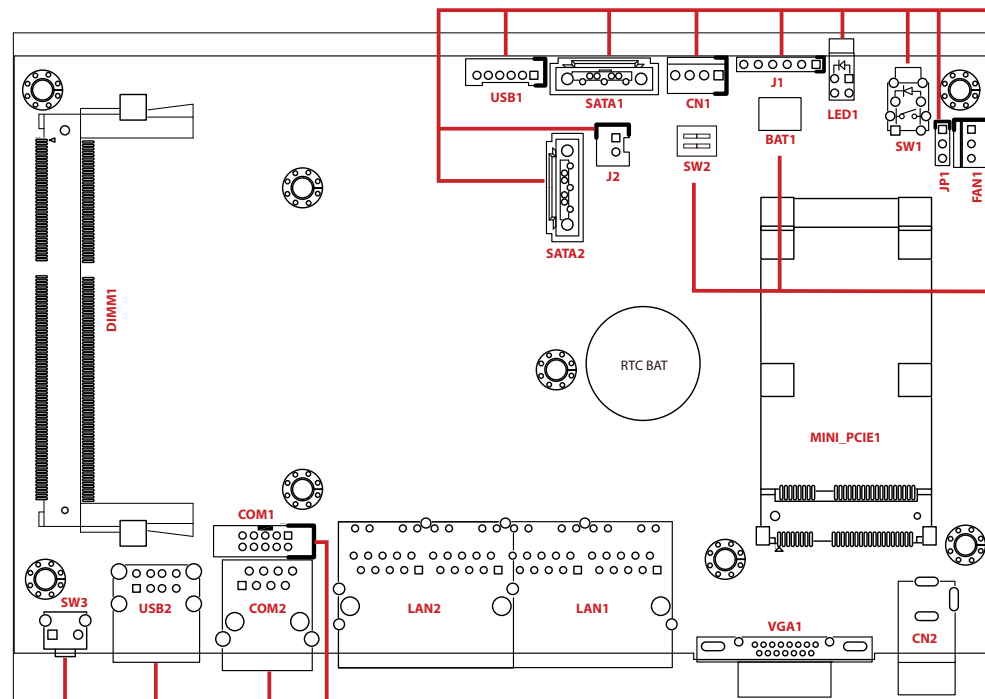


# DNA 120 Quick Reference Guide



**USB1: USB JST Port**

Pin	Description	Pin	Description	Pin	Description
01	P5V_USB_P23	02	USB_3N_C	03	USB_3P_C
04	N/A	05	N/A	06	GND

**J2: SATA DOM Power**

Pin	Description
01	VCC5
02	GND

**STAT1: SATA III Ports**

Pin	Description	Pin	Description	Pin	Description	Pin	Description
01	GND	2	SATA_TX0P_C	03	SATA_TX0N_C	04	GND
05	SATA_RX0N_C	06	SATA_RX0P_C	07	GND		

**STAT2: SATA III Ports**

Pin	Description	Pin	Description	Pin	Description	Pin	Description
01	GND	2	SATA_TX0P_C	03	SATA_TX0N_C	04	GND
05	SATA_RX0N_C	06	SATA_RX0P_C	07	GND		

**CN1: SATA Power**

Pin	Description	Pin	Description
01	+12V	02	GND
03	GND	04	VCC5

**J1: CPLD Port**

Pin	Description	Pin	Description	Pin	Description
01	P3V_SB	02	GND	03	GAL_TCK
04	GAL_TDO	05	GAL_TDI	06	GAL_TMS

**LED1: System LED**

Pin	Description	Pin	Description
A1	HD_LED	A2	STATUS_LED_G
C1	SATA_LED_V3P3#	C2	STATUS_LED_Y

**JP1: ATX/AT Select**

Pin	Description	Pin	Description
01	SWITCH_PWRBTN#	02	MCU_PWRBTN#
03	N16910676		

**SW1: Power Button**

Pin	Description	Pin	Description	Pin	Description	Pin	Description
01	GND	2	PBT_PU	03	PBT_PU	04	GND
A1	PWRLED_N	C1	N16670343	MH1	GND	MH2	GND

**SW3: HW RESET BUTTON** **USB2: USB Port**

Pin	Description
01	GND
02	RST_BTN#

Pin	Description	Pin	Description	Pin	Description	Pin	Description	Pin	Description
01	USB2_5V	02	USB_0N_C	03	USB_0P_C	04	GND		
05	USB2_5V	06	USB_1N_L	07	USB_1P_L	08	GND		
MH1	USBCH_GND	MH2	USBCH_GND	MH3	USBCH_GND	MH4	USBCH_GND		

**COM1: COM Port (RS-232):**

Pin	Description	Pin	Description	Pin	Description	Pin	Description	Pin	Description
01	N/A	02	SIO_RXD_1	03	SIO_TXD_1	04	N/A	05	GND
06	N/A	07	SIO_RTS_1	08	SIO_CTS_1	09	N/A	10	GND

**COM2: Console Port**

Pin	Description	Pin	Description	Pin	Description	Pin	Description	Pin	Description
01	SIO_RTS_0	02	N/A	03	SIO_TXD_0	04	GND	05	N/A
06	SIO_RXD_0	07	N/A	08	SIO_CTS_0	MH1	COM1_GND	MH2	COM1_GND

**SW2: Clear CMOS**

Pin	Description	Pin	Description
01	RTC_TEST#	02	SRTC_RST#
03	GND	04	GND

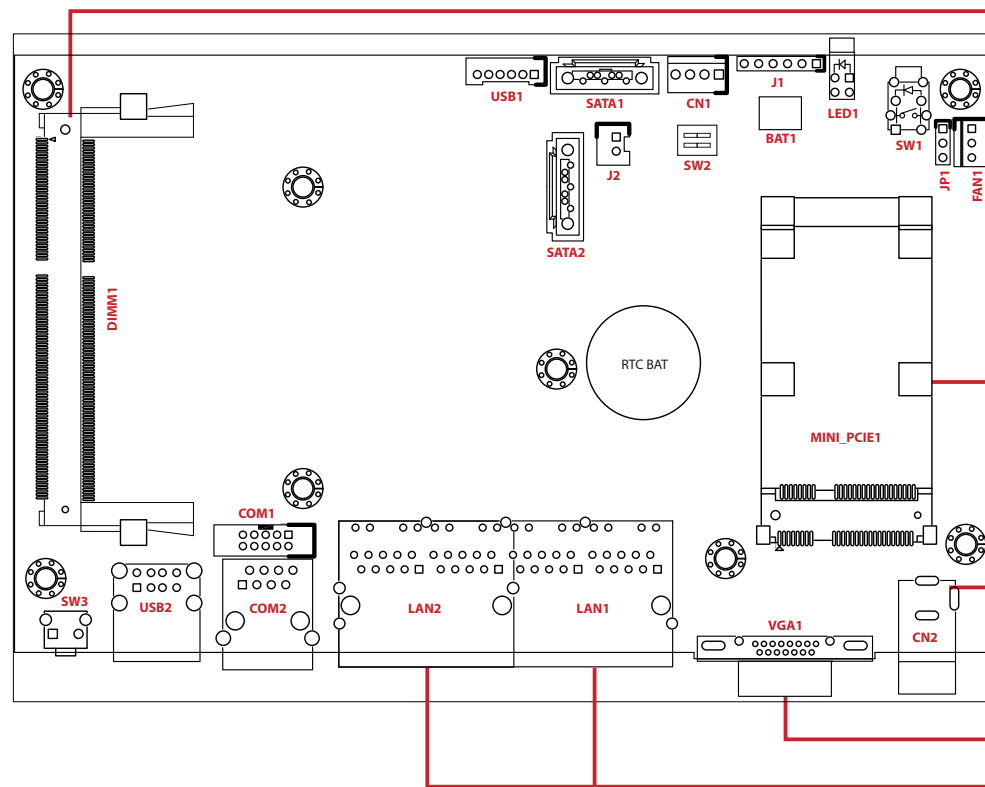
**BAT1: Battery Socket**

Pin	Description	Pin	Description
01	GND	02	RTC_BAT
03	GND		GND

**FAN1: 4P FAN Connector**

Pin	Description	Pin	Description
01	GND	02	V12S
03	FAN1_R	04	FANPWM1_R

# DNA 120 Quick Reference Guide



## DIMM1: DDR3 Channel A

## MINI\_PCIE1: PCI-E X1 Connector

Pin	Description	Pin	Description	Pin	Description	Pin	Description
1	MPCIE_WAKE#	2	3VSB	3	N/A	4	GND
5	N/A	6	P1V5_STBY	7	CLKREQ#	8	N/A
9	GND	10	N/A	11	PCIE_MINI_CLK_N	12	N/A
13	PCIE_MINI_CLK_P	14	N/A	15	GND	16	N/A
17	N/A	18	GND	19	N/A	20	MPCIE_DIS#
21	GND	22	MPCIE_RST_R	23	PCIE_RXN2_MINI	24	3VSB
25	PCIE_RXP2_MINI	26	GND	27	GND	28	P1V5_STBY
29	GND	30	EXP_CLK	31	PCIE_TXN2_MINI	32	EXP_DATA
33	PCIE_TXP2_MINI	34	GND	35	GND	36	USB_2N
37	GND	38	USB_2P	39	3VSB	40	GND
41	3VSB	42	N/A	43	GND	44	N/A
45	N/A	46	N/A	47	N/A	48	P1V5_STBY
49	N/A	50	GND	51	N/A	52	3VSB

## CN2: Power Connector

Pin	Description	Pin	Description
01	GND	02	GND
03	P12V		

## VGA1: VGA Connector

Pin	Description	Pin	Description	Pin	Description	Pin	Description	Pin	Description
01	VGA_RED	02	VGA_GREEN	03	VGA_BLUE	04	NC	05	VGA_GND
06	VGA_GND	07	VGA_GND	08	VGA_GND	09	VGA_+5V	10	VGA_GND
11	NC	12	VGA_DATA	13	VGA_HS	14	VGA_VS	15	VGA_CLK
MH1	VGA_GND	NH1	VGA_GND						

## LAN1/LAN2: LAN Port

Pin	Description	Pin	Description	Pin	Description	Pin	Description	Pin	Description
A1	LAN2_DMIO0P	A2	LAN2_DMIO0N	A3	LAN2_DMIO1P	A4	LAN2_DMIO1N	A5	LAN2_DMIO2P
A6	LAN2_DMIO2N	A7	LAN2_DMIO3P	A8	LAN_DMIO3N	A9	N/A	A10	GND
A11	LAN2_ACT	A12	GND	A13	LAN2_100M	A14	LAN2_1G		
MH1	CGND	MH2	CGND	MH3	CGND				