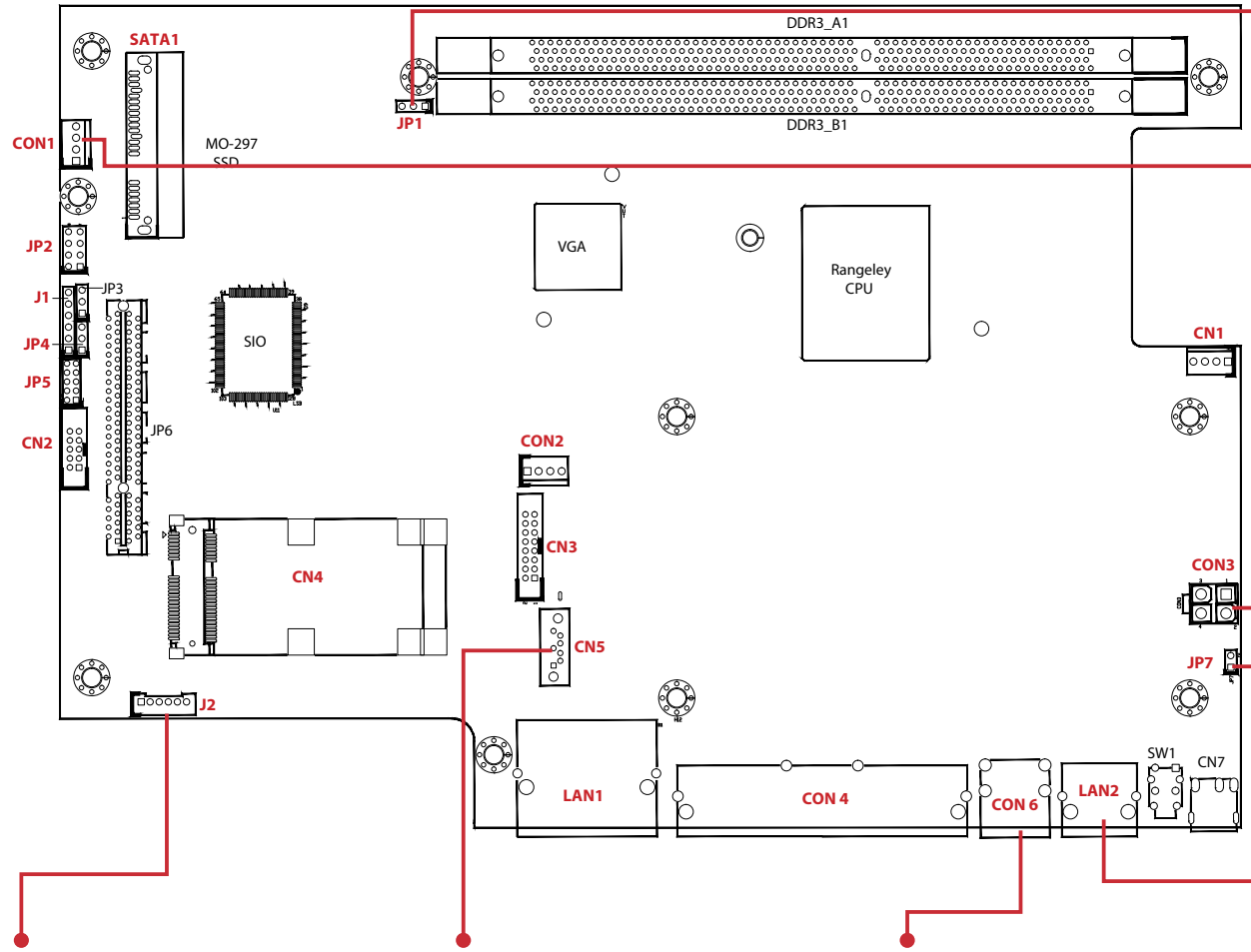
DNA1150 Quick Reference Guide

Ver A. (P/N: 60177A0345X00)



JP1: CMOS Clear Pin Header

Pin	Signal
1	SRTCRST_N
2	SRTCRST_N
3	PD_100E

SATA1: MO97 SSD Connector

Pin	Signal	Pin	Signal
1	GND	12	GND
2	SATA6G_TXP_1	13	GND
3	SATA6G_TXN_1	14	SATA_SSD_5V
4	GND	15	SATA_SSD_5V
5	SATA6G_RXN_1_N	16	SATA_SSD_5V
6	SATA6G_RXP_1_N	17	GND
7	GND	18	NC
8	SATA_SSD_3V3	19	GND
9	SATA_SSD_3V3	20	SATA_SSD_12V
10	SATA_SSD_3V3	21	SATA_SSD_12V
11	GND	22	SATA_SSD_12V

CON3: ATX 12V Power Connector

Pin	Signal
1	GND
2	GND
3	V12S
4	V12S

JP7: HW_RESET Pin Header

Pin	Description
1	RST_BTN_CAL_N
2	PD_100E

J2: USB JST 2.0mm

Pin	Description
1	VCC
2	USB2-
3	USB2+
4	USB3-
5	USB3+
6	GND

CN5: Two SATAII Ports

Pin	Description
1	GND
2	SATA_TXP0_
3	SATA_TXN0
4	GND
5	SATA_RXN0
6	SATA_RXP0
7	GND

CN6: Rear Side USB Port

Pin	Description
1	VCC
2	USB0-
3	USB0+
4	GND
5	VCC
6	USB1-
7	USB1+
8	GND

LAN2: COM 1

Pin	Description
1	SP_RTS1_R
2	SP_DTR1_R
3	SP_TXD1_R
4	COM1_GND
5	SP_DCD1_R
6	SP_RXD1_R
7	SP_DSR1_R
8	SP_CTS1_CON

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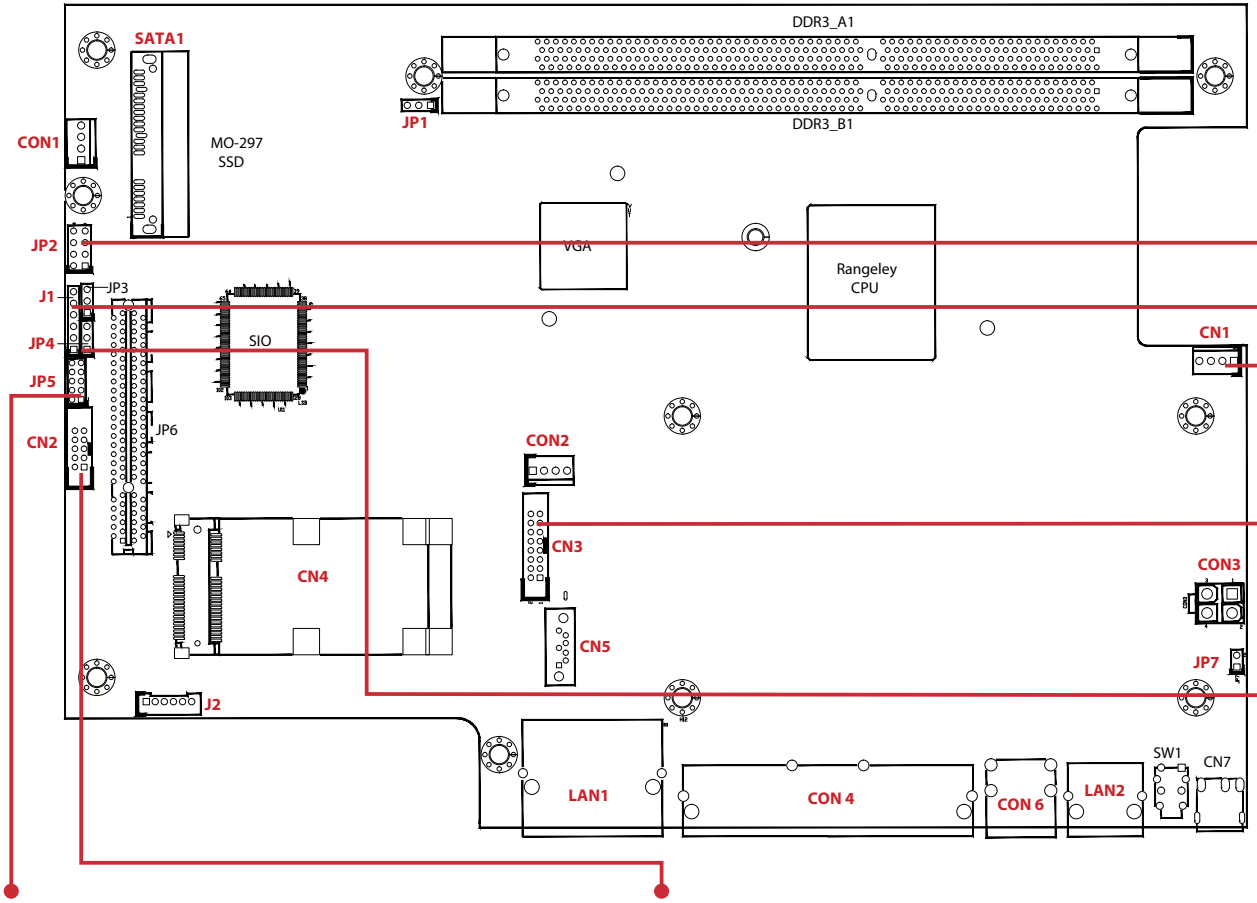
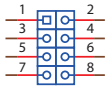


JP2: P/S 2 Keyboard / Mouse

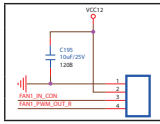


Pin	Description	Pin	Description
1	VCC5	5	KCLK
2	VCC5	6	MCLK
3	KDAT	7	GND
4	MDAT	8	GND

J1: GAL Promraming Connector

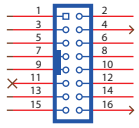
Pin	Signal
1	3VSB
2	GND
3	GAL1_TCK
4	GAL1_TDO
5	GAL1_TDI
6	GAL1_TMS

CN1: System Fan Connector



Pin	Signal
1	GND
2	VCC12
3	FAN1
4	FANPWM1

CN3: VGA CON

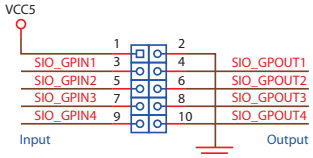


Pin	Description	Pin	Description
1	VGA_R_CON	9	VGA_VCC
2	VGA_G_CON	10	GND
3	VGA_B_CON	11	NC
4	NC	12	VGA_I2CDAT_CON
5	GND	13	VGA_HSYNC_CON
6	GND	14	VGA_VSYNC_CON
7	GND	15	VGA_I2CCLK_CON
8	GND	16	NC

JP4: AT/ATX Mode Selector

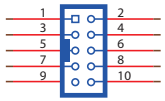
Pin	Signal
1	NC
2	GAL_AT#_ATX
3	GND

JP5: Digital I/O 4In 4Out



Pin	Signal
1	VCC5
2	GND
3	SIO_GPIN1
4	SIO_GPIN1
5	SIO_GPIN2
6	SIO_GPIN2
7	SIO_GPIN3
8	SIO_GPIN3
9	SIO_GPIN4
10	SIO_GPIN4

CN2: COM 2



Pin	Description
1	SIO_DCDA#_COM1
2	SIO_RXD_COM1
3	SIO_TXD_COM1
4	SIO_DTRA#_COM1
5	COM1_GND
6	SIO_DSRA#_COM1
7	SIO_RTSA#_COM1
8	SIO_CTSA#_COM1
9	SIO_RIA#_COM1
10	COM1_GND

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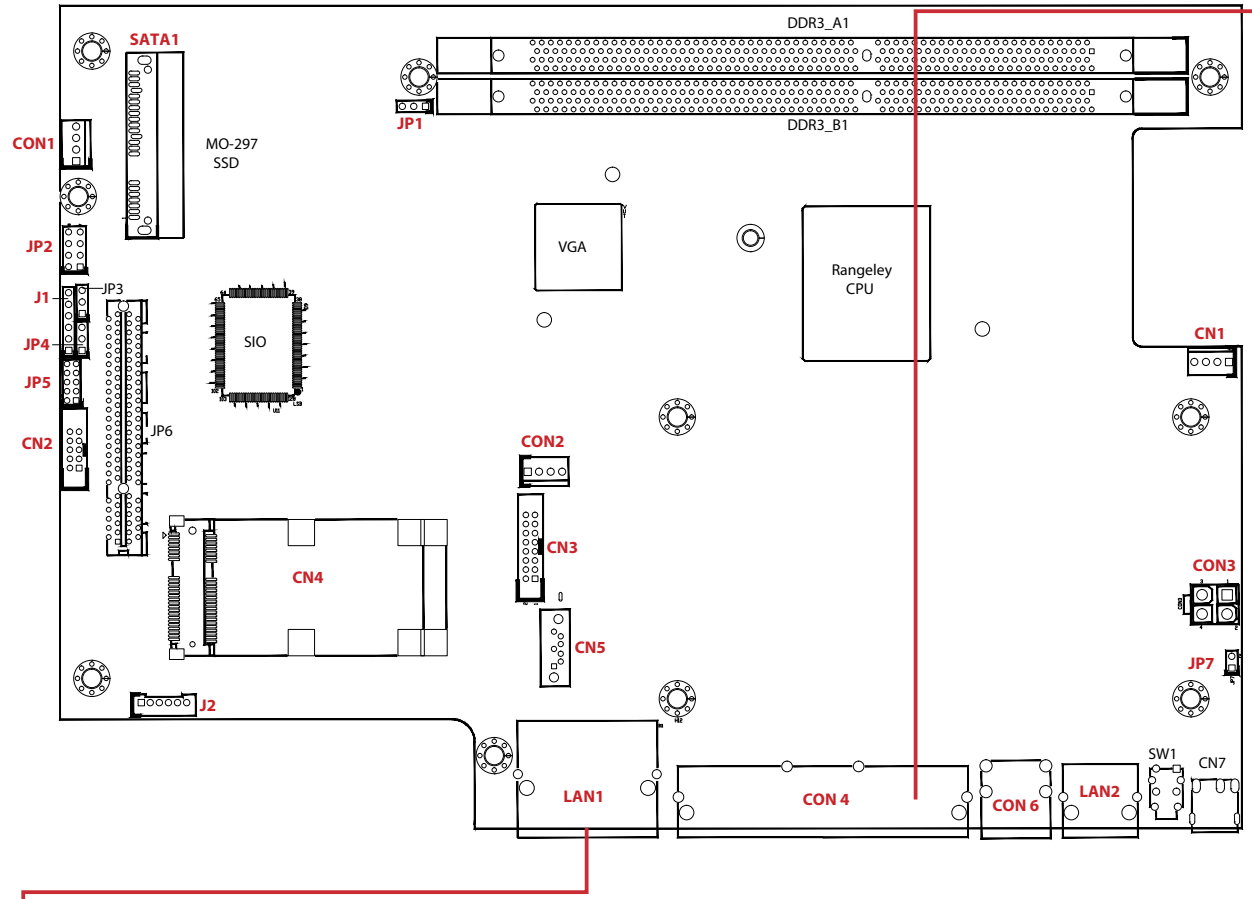
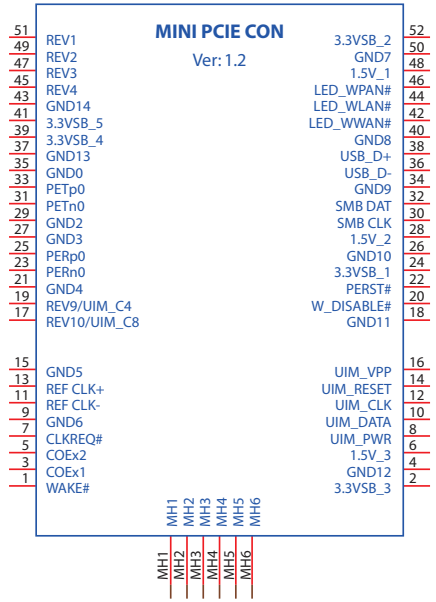
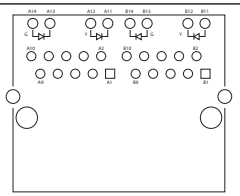


CN4: Mini-PCIe



Pin	Signal	Pin	Signal	Pin	Signal
1	WAKE#	19	NC	37	GND
2	VCC3_3	20	W_DISABLE#	38	USB_D+
3	NC	21	GND	39	VCC3_3
4	GND	22	PERST#	40	GND
5	NC	23	PERn0	41	VCC3_3
6	VCC1_5	24	VCC3_3	42	NC
7	CLKREQ#	25	PERp0	43	GND
8	NC	26	GND	44	LED_WLAN1#
9	GND	27	GND	45	NC
10	NC	28	VCC1_5	46	NC
11	REFCLK-	29	GND	47	NC
12	NC	30	SMBCLK	48	VCC1_5
13	REFCLK+	31	PETn0	49	NC
14	NC	32	SMBDAT	50	GND
15	GND	33	PETp0	51	NC
16	NC	34	GND	52	VCC3_3
17	NC	35	GND		
18	GND	36	USB_D-		

LA1: Rear Side USB Port



Pin	Signal	Pin	Signal	Pin	Signal	Pin	Signal
A1	LAN5_TX0P	A8	LAN5_TX2N	B1	LAN6_TX0P	B8	LAN6_TX2N
A2	LAN5_TX0N	A9	LAN5_TX3P	B2	LAN6_TX0N	B9	LAN6_TX3P
A3	LAN5_TX1P	A10	LAN5_TX3N	B3	LAN6_TX1P	B10	LAN6_TX3N
A4	LAN5_TX1N	A11	LED_LAN5_1G#	B4	LAN6_TX1N	B11	LED_LAN6_1G#
A5	LAN5_T_VCC	A12	LED_LAN5_100M#	B5	LAN6_T_VCC	B12	LED_LAN6_100M#
A6	GND	A13	LED_LAN5_LINK#_ACT_V	B6	GND	B13	LED_LAN6_LINK#_ACT_V
A7	LAN5_TX2P	A14	LED_LAN5_LINK#_ACT	B7	LAN6_TX2P	B14	LED_LAN6_LINK#_ACT

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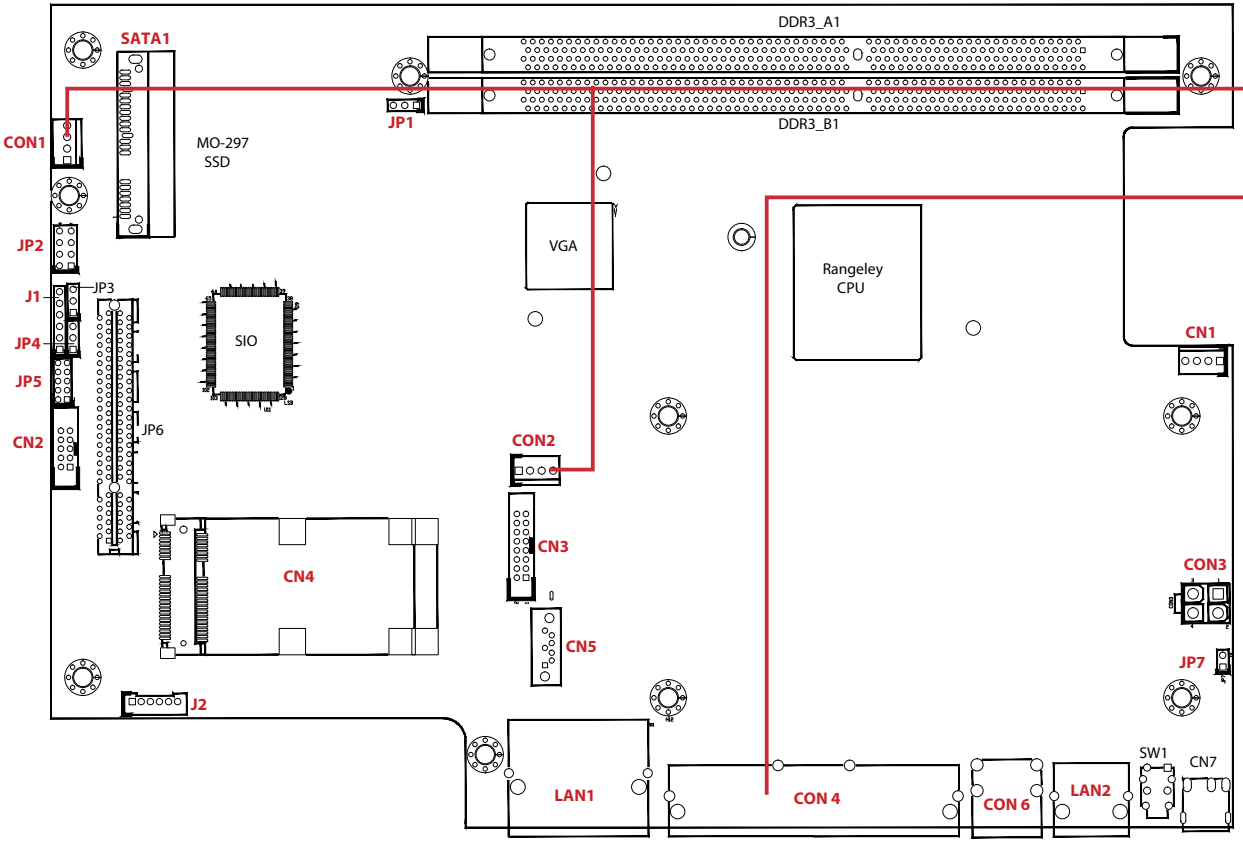
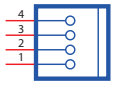
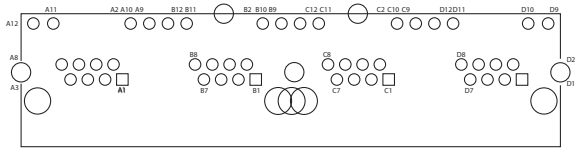


CON1, CON2: Desktop Sata Power Connector



Pin	Signal
1	VCC12
2	GND
3	GND
4	VCC5

CON4: LAN 1X4 COP



Pin	Signal	Pin	Signal
A1	LAN1_TXP0_CON	B1	LAN2_TXP0_CON
A2	LAN1_TXN0_CON	B2	LAN2_TXN0_CON
A3	LAN1_TXP1_CON	B3	LAN2_TXP1_CON
A4	LAN1_TXP2_CON	B4	LAN2_TXP2_CON
A5	LAN1_TXN2_CON	B5	LAN2_TXN2_CON
A6	LAN1_TXN1_CON	B6	LAN2_TXN1_CON
A7	LAN1_TXP3_CON	B7	LAN2_TXP3_CON
A8	LAN1_TXN3_CON	B8	LAN2_TXN3_CON
A9	STATUS0_LAN1	B9	STATUS0_LAN2
A10	10_100_LED_LAN1	B10	10_100_LED_LAN2
A11	LOS_OUT_LAN1	B11	LOS_OUT_LAN2
A12	LOS_OUT_LAN1_R	B12	LOS_OUT_LAN2_R
C1	LAN3_TXP0_CON	D1	LAN4_TXP0_CON
C2	LAN3_TXN0_CON	D2	LAN4_TXN0_CON
C3	LAN3_TXP1_CON	D3	LAN4_TXP1_CON
C4	LAN3_TXP2_CON	D4	LAN4_TXP2_CON
C5	LAN3_TXN2_CON	D5	LAN4_TXN2_CON
C6	LAN3_TXN1_CON	D6	LAN4_TXN1_CON
C7	LAN3_TXP3_CON	D7	LAN4_TXP3_CON
C8	LAN3_TXN3_CON	D8	LAN4_TXN3_CON
C9	STATUS0_LAN3	D9	STATUS0_LAN4
C10	10_100_LED_LAN3	D10	10_100_LED_LAN4
C11	LOS_OUT_LAN3	D11	LOS_OUT_LAN4
C12	LOS_OUT_LAN3_R	D12	LOS_OUT_LAN4_R