

## Base Board for COM Express Type 6 modules

# ICE-DB-T6R Quick Installation Guide

Version 1.0

Apr. 24, 2013

### Package Contents

ICE-DB-T6 package includes the following items:

- 1 x ICE-DB-T6R COM Express Base Board
- 2 x SATA Cable
- 1 x Dual Ports RS-232 Cable
- 1 x Mini Jumper Pack
- 1 x QIG (Quick Installation Guide)



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## Specifications

- Form Factor  
ATX form factor baseboard
- CPU  
Supports COM Express Compact / Basic module using connector pin out Type 6
- Display Interfaces  
1 x 18/24-bit single/dual-channel LVDS  
1 x VGA  
1 x HDMI  
2 x DisplayPort (1 x real connectors, 1 x pin header)
- Audio  
Realtek ALC662 HD audio codec (Line-in, Line-out, Mic)
- Expansions  
1 x PCIe x16 5 x PCIe x1  
2 x PCIe Mini (with USB) 1 x LPC
- Internal I/O Interface  
4 x SATA port  
2 x RS-232 from COM Express (only TX, RX and GND)  
2 x RS-232 from SIO 1 x PS2 KB/MS  
2 x USB 3.0 1 x SD
- Rear IO  
1 x VGA 2 x USB 3.0  
2 x USB 2.0 1 x RJ-45 3 x DisplayPort  
1 x Audio jack (Line-in, Line-out, Mic)
- Front Audio  
2 x 5-pin header
- TPM  
2 x 10-pin header
- 80 port  
2 x 7 segment display

- Front Panel
  - 1 x Front panel connector (power LED, HDD LED, speaker/buzzer, power button, reset button)
- I2C
  - 1 x 4-pin wafer
- SMBus
  - 1 x 4 pin wafer
- Watchdog Timer
  - Software programmable supports 1~255 sec. system reset
- GPIO
  - 8-bit GPIO (GPIO from iwDD co-lay SDIO)
- Power Supply
  - ATX/AT power supply
- Fan Connector
  - 1 x 4-pin / 1 x 3-pin CPU module fan connector
  - 1 x 3-pin system fan connector by SIO
- Operating Temperature
  - 10°C ~ 60°C
- Operating Humidity
  - 5% ~ 95%, non-condensing
- Dimensions
  - 304.8 mm x 243.8 mm (12" x 9.6")

## Ordering Information

**ICE-DB-T6R-R10**: Base Board for COM Express Type 6 Module COM.0 Rev. 2.1, support PICMG EAPI R1.0

**19800-000082-RS**: RS-232/422/485 cable

**32100-088600-RS**: SATA Power cable

## Table of Jumper setting

LABEL	FUNCTION
<b>JP3</b>	CMOS state setting
<b>J_VLVDS1</b>	LVDS1 Voltage Selection
<b>JP2</b>	Second BIOS setting
<b>JP1</b>	PCI Express Graphics setting
<b>JP6</b>	ATX & AT Power Mode Setting
<b>JP5</b>	Auto Power Button
<b>JP4</b>	DVDD_IO Voltage Selection

### • JP3 : Clear CMOS Setup

JP3	DESCRIPTION
Short 1-2	Keep CMOS Setup(default) (Normal Operation)
Short 2-3	Clear CMOS Setup

### • J\_VLVDS1 : LVDS Voltage Selection

J_VLVDS1	DESCRIPTION
1-2	+3.3V LVDS (default)
2-3	+5V LVDS

### •JP2 : Second BIOS setting

JP2	DESCRIPTION
Short 1-2	Enable (default)
Short 2-3	Disable

• **JP1 : PCI Express Graphics setting**

<b>JP1</b>	<b>DESCRIPTION</b>
Short 1-2	Disable (default)
Short 2-3	Enable

• **JP6 : AT Power Mode Setting**

<b>PIN NO.</b>	<b>DESCRIPTION</b>
Short 1-2	ATX Power Mode (default)
Short 3-4	AT Power Mode

• **JP5 : Auto Power Button setting**

<b>JP5</b>	<b>DESCRIPTION</b>
Short	Enable (default)
Open	Disable

• **JP4 : DVDD\_IO Voltage Selection**

<b>JP4</b>	<b>DESCRIPTION</b>
1-2	+1.5V (default)
2-3	+3.3V

## Table of Connectors

<b>LABEL</b>	<b>FUNCTION</b>
DP2	iEi Internal Display Port
CN5	USB3 Connector
COM1 COM2	Internal Serial Port Connectors
USB1	Internal 2 Port USB Connectors
AUDIO1	Extend Audio Module Connector
AUDIO2	Internal Audio Connector
CN3	Front Audio Connector
S_ATA1, S_ATA2, S_ATA3, S_ATA4	Serial ATA Connectors
CPU_FAN1	CPU Fan Connector
FNA1 FNA2	System Fan Connector
M_PCIE1 M_PCIE2	PCI-E Mini Card
INVERTER1	LVDS Panel Backlight +12V Power Source
LVDS1	LVDS Panel Connector
F_PANEL1	PWR & RST Buttons and Indicators
PWR1	ATX Power Source Connector (+12V, 5VSB)
PWR2	+12V Power Source Connector
CN1	Trusted Platform Module (TPM)
SMBUS_1	SMBUS Connector
I2C_1	I2C BUS Connector
CN4	COM Express GP I/O Connector
COMEXPRESS1 COMEXPRESS2	COM Express connector AB & CD

• **DP2: iEi Internal Display Port**

PIN NO.	DESCRIPTION	PIN NO.	DESCRIPTION
1	+5V	2	DPD_OB_LANE1_N
3	DPD_OB_LANE1_P	4	GND
5	DPD_OB_LANE3_N	6	DPD_OB_LANE3_P
7	GND	8	AUX_CTRL_DET_D
9	GND	10	DDI1_HPD#
11	DPD_AUX_CTRL_P2	12	DPD_AUX_CTRL_N2
13	GND	14	DPD_OB_LANE2_P
15	DPD_OB_LANE2_N	16	GND
17	DPD_OB_LANE0_P	18	DPD_OB_LANE0_N
19	+3.3V		

• **CN5: USB3 Connector**

PIN NO.	DESCRIPTION	PIN NO.	DESCRIPTION
1	USB3_PWR3	2	USB3P1_TXDN1_C
3	USB3P1_TXDP1_C	4	GND
5	USB3P1_RXDN1	6	USB3P1_RXDP1
7	GND	8	USB2P1_DM1_L
9	USB2P1_DP1_L	10	NC
11	USB2P1_DP2_L	12	USB2P1_DM2_L
13	GND	14	USB3P1_RXDP2
15	USB3P1_RXDN2	16	GND
17	USB3P1_TXDP2_C	18	USB3P1_TXDN2_C
19	USB3_PWR4		

• **COM1、COM2: Internal Serial Port Connectors**

PIN NO.	DESCRIPTION
1	DATA CARRIER DETECT (DCD)
2	DATA SET READY (DSR)
3	RECEIVE DATA (RXD)
4	REQUEST TO SEND (RTS)
5	TRANSMIT DATA (TXD)
6	CLEAR TO SEND (CTS)
7	DATA TERMINAL READY (DTR)
8	RING INDICATOR (RI)
9	GND (GND)
10	N/C

● **AUDIO2 : Internal Audio Connectors**

PIN NO.	DESCRIPTION	PIN NO.	DESCRIPTION
1	LET-OUT	6	SURR-L
2	CEN-OUT	7	SIDESURR-R
3	CEN-JD	8	SIDESURR-L
4	SURR-JD	9	SIDESURR-JD
5	SURR-R	10	GND

● **CN3 : Front Audio Connector(033F051-00-101-RS)**

PIN NO.	DESCRIPTION	PIN NO.	DESCRIPTION
1	MIC_L	2	GND
3	MIC_R	4	Audio Detect
5.	LINE2-R	6	GND
7	Jack Detection	8	N/C
9	LINE2-L	10	GND

● **SATA1 、 SATA2 、 SATA3 & SATA4 : Serial ATA Connector**

PIN NO.	DESCRIPTION	PIN NO.	DESCRIPTION
1	GND	5	RX-
2	TX+	6	RX+
3	TX-	7	GND
4	GND		

● **CPU\_FAN1 : CPU Fan Connector**

PIN NO.	DESCRIPTION
1	Ground
2	+12V
3	FANIO1
4	PWM

● **FAN1 、 FAN2 : CPU Fan Connector**

PIN NO.	DESCRIPTION
1	GND
2	+12V (PWM)
3	FANIO1



• **M\_PCIE1,M\_PCIE2: PCI-E Mini Card Connector**

<b>PCI-E Mini Card Connector</b>			
<b>PIN NO.</b>	<b>DESCRIPTION</b>	<b>PIN NO.</b>	<b>DESCRIPTION</b>
1	PCIE_WAKE#	2	VCC3
3	N/C	4	GND
5	N/C	6	1.5V
7	CLKREQ#	8	LFRAME#
9	GND	10	LAD3
11	CLK-	12	LAD2
13	CLK+	14	LAD1
15	GND	16	LAD0
17	PCIRST#	18	GND
19	LPC	20	VCC3
21	GND	22	PCIRST#
23	PERN2	24	3VDual
25	PERP2	26	GND
27	GND	28	1.5V
29	GND	30	SMBCLK
31	PETN2	32	SMBDATA
33	PETP2	34	GND
35	GND	36	USB D-
37	N/C	38	USB D+
39	N/C	40	GND
41	N/C	42	N/C
43	N/C	44	RF_LINK#
45	N/C	46	BLUELED#
47	N/C	48	1.5V
49	N/C	50	GND
51	N/C	52	VCC3

• **INVERTER1 : 5-pin Header Inverter Connector**

<b>PIN NO.</b>	<b>DESCRIPTION</b>
1	LCD_BKLTCTL
2	GND
3	+12V
4	GND
5	BACKLIGHT ENABLE

●**LVDS1: LVDS Connector**

PIN NO.	DESCRIPTION	PIN NO.	DESCRIPTION
1	GND1	2	GND2
3	A_Y0	4	A_Y0#
5	A_Y1	6	A_Y1#
7	A_Y2	8	A_Y2#
9	A_CK	10	A_CK#
11	NC	12	NC
13	GND3	14	GND4
15	B_Y0	16	B_Y0#
17	B_Y1	18	B_Y1#
19	B_Y2	20	B_Y2#
21	B_CK	22	B_CK#
23	NC	24	NC
25	GND5	26	GND6
27	VCC_LCD	28	VCC_LCD
29	VCC_LCD	30	VCC_LCD

●**PWR1: +12V MAIN POWER Connector**

<b>PWR1: ATX Power Connector</b>			
Pin	Description	Pin	Description
1	NC	11	NC
2	NC	12	NC
3	GND	13	GND
4	NC	14	PS-ON
5	GND	15	GND
6	NC	16	GND
7	GND	17	GND
8	NC	18	NC
9	+5VSB	19	NC
10	+12Vdc	20	NC

● **PWR2 : +12V MAIN POWER Connector**

<b>ATX 12V1</b>			
PIN NO.	DESCRIPTION	PIN NO.	DESCRIPTION
1	GND	2	GND
3	+12V	4	+12V

● **F\_PANEL1 : PWR & RST Buttons and Indicators panel**

	PIN	DESCRIPTION	PIN	DESCRIPTION	
Power LED	1	+5V	2	VCC	Speaker
	3	N/C	4	N/C	
	5	GND	6	N/C	
PWRBTN	7	PWRBTN+	8	Speaker	RESET
	9	PWRBTN-	10	N/C	
HDDLED	11	VCC	12	Reset-	
	13	HDLED-	14	GND	

● **CN1: Trusted Platform Module connector**

Trusted Platform Module connector			
PIN NO.	DESCRIPTION	PIN NO.	DESCRIPTION
1	FVHPCLK	2	GND
3	LFRAME#	4	KEY
5	PCIRST#	6	VCC
7	LAD3	8	LAD2
9	VCC3	10	LAD1
11	LAD0	12	GND
13	SMBCLK	14	SMBDATA
15	3VDUAL	16	SERIRQ
17	GND	18	CLKRUN#
19	LPCPD#	20	LDRQ#

● **SMBUS\_1 : 4-pin Header SMBUS Connector**

PIN NO.	DESCRIPTION
1	+5V_DUAL
2	SMBUS CLOCK
3	SMBUS DATA
4	GND

● **CN4 : COM Express GPIO Input / Output Connector**

PIN NO.	DESCRIPTION	PIN NO.	DESCRIPTION
1	GND	2	+5V
3	GPI 0	4	GPO 0
5	GPI 1	6	GPO 1
7	GPI 2	8	GPO 2
9	GPI 3	10	GPO 3

**•I2C\_1 : 4-pin Header I2C BUS Connector**

<b>PIN NO.</b>	<b>DESCRIPTION</b>
1	+5V_DUAL
2	I2C CLOCK
3	I2C DATA
4	GND

**• COMEXPRESS2 : COM Express Connector AB**

<b>Pin No.</b>	<b>Description</b>	<b>Pin No.</b>	<b>Description</b>
<b>A1</b>	GND	<b>B1</b>	GND15
<b>A2</b>	GBE0_MDI3-	<b>B2</b>	GBE0_ACT#
<b>A3</b>	GBE0_MDI3+	<b>B3</b>	LPC_FRAME#
<b>A4</b>	GBE0_LINK100#	<b>B4</b>	LPC_AD0
<b>A5</b>	GBE0_LINK1000#	<b>B5</b>	LPC_AD1
<b>A6</b>	GBE0_MDI2-	<b>B6</b>	LPC_AD2
<b>A7</b>	GBE0_MDI2+	<b>B7</b>	LPC_AD3
<b>A8</b>	GBE0_LINK#	<b>B8</b>	LPC_DRQ0#
<b>A9</b>	GBE0_MDI1-	<b>B9</b>	LPC_DRQ1#
<b>A10</b>	GBE0_MDI1+	<b>B10</b>	LPC_CLK
<b>A11</b>	GND1	<b>B11</b>	GND16
<b>A12</b>	GBE0_MDI0-	<b>B12</b>	PWRBTN#
<b>A13</b>	GBE0_MDI0+	<b>B13</b>	SMB_CK
<b>A14</b>	GBE0_CTREF	<b>B14</b>	SMB_DAT
<b>A15</b>	SUS_S3#	<b>B15</b>	SMB_ALERT#
<b>A16</b>	SATA0_TX+	<b>B16</b>	SATA1_TX+
<b>A17</b>	SATA0_TX-	<b>B17</b>	SATA1_TX-
<b>A18</b>	SUS_S4#	<b>B18</b>	SUS_STAT#
<b>A19</b>	SATA0_RX+	<b>B19</b>	SATA1_RX+
<b>A20</b>	SATA0_RX-	<b>B20</b>	SATA1_RX-
<b>A21</b>	GND2	<b>B21</b>	GND17
<b>A22</b>	SATA2_TX+	<b>B22</b>	SATA3_TX+
<b>A23</b>	SATA2_TX-	<b>B23</b>	SATA3_TX-
<b>A24</b>	SUS_S5#	<b>B24</b>	PWR_OK
<b>A25</b>	SATA2_RX+	<b>B25</b>	SATA3_RX+
<b>A26</b>	SATA2_RX-	<b>B26</b>	SATA3_RX-
<b>A27</b>	BATLOW#	<b>B27</b>	WDT
<b>A28</b>	ATA_ACT#	<b>B28</b>	AC/HD_SDIN2
<b>A29</b>	AC/HD_SYNC	<b>B29</b>	AC/HD_SDIN1
<b>A30</b>	AC/HD_RST#	<b>B30</b>	AC/HD_SDINO
<b>A31</b>	GND3	<b>B31</b>	GND18
<b>A32</b>	AC/HD_BITCLK	<b>B32</b>	SPKR

<b>A33</b>	AC/HD_SDOUT	<b>B33</b>	I2C_CK
<b>A34</b>	BIOS_DISABLE#	<b>B34</b>	I2C_DAT
<b>A35</b>	THRMTRIP#	<b>B35</b>	THRM#
<b>A36</b>	USB6-	<b>B36</b>	USB7-
<b>A37</b>	USB6+	<b>B37</b>	USB7+
<b>A38</b>	USB_6_7_OC#	<b>B38</b>	USB_4_5_OC#
<b>A39</b>	USB4-	<b>B39</b>	USB5-
<b>A40</b>	USB4+	<b>B40</b>	USB5+
<b>A41</b>	GND4	<b>B41</b>	GND
<b>A42</b>	USB2-	<b>B42</b>	USB3-
<b>A43</b>	USB2+	<b>B43</b>	USB3+
<b>A44</b>	USB_2_3_OC#	<b>B44</b>	USB_0_1_OC#
<b>A45</b>	USB0-	<b>B45</b>	USB1-
<b>A46</b>	USB0+	<b>B46</b>	USB1+
<b>A47</b>	VCC_RTC	<b>B47</b>	EXCD1_PERST#
<b>A48</b>	EXCD0_PERST#	<b>B48</b>	EXCD1_CPPE#
<b>A49</b>	EXCD0_CPPE#	<b>B49</b>	SYS_RESET#
<b>A50</b>	LPC_SERIRQ	<b>B50</b>	CB_RESET#
<b>A51</b>	GND5	<b>B51</b>	GND20
<b>A52</b>	PCIE_TX5+	<b>B52</b>	PCIE_RX5+
<b>A53</b>	PCIE_TX5-	<b>B53</b>	PCIE_RX5-
<b>A54</b>	GPI0	<b>B54</b>	GPO1
<b>A55</b>	PCIE_TX4+	<b>B55</b>	PCIE_RX4+
<b>A56</b>	PCIE_TX4-	<b>B56</b>	PCIE_RX4-
<b>A57</b>	GND6	<b>B57</b>	GPO2
<b>A58</b>	PCIE_TX3+	<b>B58</b>	PCIE_RX3+
<b>A59</b>	PCIE_TX3-	<b>B59</b>	PCIE_RX3-
<b>A60</b>	GND7	<b>B60</b>	GND
<b>A61</b>	PCIE_TX2+	<b>B61</b>	PCIE_RX2+
<b>A62</b>	PCIE_TX2-	<b>B62</b>	PCIE_RX2-
<b>A63</b>	GPI1	<b>B63</b>	GPO3
<b>A64</b>	PCIE_TX1+	<b>B64</b>	PCIE_RX1+
<b>A65</b>	PCIE_TX1-	<b>B65</b>	PCIE_RX1-
<b>A66</b>	GND8	<b>B66</b>	WAKE0#
<b>A67</b>	GPI2	<b>B67</b>	WAKE1#
<b>A68</b>	PCIE_TX0+	<b>B68</b>	PCIE_RX0+
<b>A69</b>	PCIE_TX0-	<b>B69</b>	PCIE_RX0-
<b>A70</b>	GND9	<b>B70</b>	GND22
<b>A71</b>	LVDS_A0+	<b>B71</b>	LVDS_B0+
<b>A72</b>	LVDS_A0-	<b>B72</b>	LVDS_B0-
<b>A73</b>	LVDS_A1+	<b>B73</b>	LVDS_B1+

<b>A74</b>	LVDS_A1-	<b>B74</b>	LVDS_B1-
<b>A75</b>	LVDS_A2+	<b>B75</b>	LVDS_B2+
<b>A76</b>	LVDS_A2-	<b>B76</b>	LVDS_B2-
<b>A77</b>	LVDS_VDD_EN	<b>B77</b>	LVDS_B3+
<b>A78</b>	LVDS_A3+	<b>B78</b>	LVDS_B3-
<b>A79</b>	LVDS_A3-	<b>B79</b>	LVDS_BKLT_EN
<b>A80</b>	GND10	<b>B80</b>	GND23
<b>A81</b>	LVDS_A_CK+	<b>B81</b>	LVDS_B_CK+
<b>A82</b>	LVDS_A_CK-	<b>B82</b>	LVDS_B_CK-
<b>A83</b>	LVDS_I2C_CK	<b>B83</b>	LVDS_BKLT_CTRL
<b>A84</b>	LVDS_I2C_DAT	<b>B84</b>	VCC5SBY1
<b>A85</b>	GPI3	<b>B85</b>	VCC5SBY2
<b>A86</b>	RSVD	<b>B86</b>	VCC5SBY3
<b>A87</b>	RSVD	<b>B87</b>	VCC5SBY4
<b>A88</b>	PCIE0_CK_REF+	<b>B88</b>	BIOS_DIS1#
<b>A89</b>	PCIE0_CK_REF-	<b>B89</b>	VGA_RED
<b>A90</b>	GND11	<b>B90</b>	GND24
<b>A91</b>	SPI_VCC	<b>B91</b>	VGA_GRN
<b>A92</b>	SPI_MISO	<b>B92</b>	VGA_BLU
<b>A93</b>	GPO0	<b>B93</b>	VGA_HSYNC
<b>A94</b>	SPI_CLK	<b>B94</b>	VGA_VSYNC
<b>A95</b>	SPI_MOSI	<b>B95</b>	VGA_I2C_CK
<b>A96</b>	PP_TPM	<b>B96</b>	VGA_I2C_DAT
<b>A97</b>	RSVD	<b>B97</b>	SPI_CS#
<b>A98</b>	RS1_TX	<b>B98</b>	RSVD
<b>A99</b>	RS1_RX	<b>B99</b>	RSVD
<b>A100</b>	GND13	<b>B100</b>	GND25
<b>A101</b>	RS2_TX	<b>B101</b>	FAN_PWMOUT
<b>A102</b>	RS2_RX	<b>B102</b>	FAN_TACHIN
<b>A103</b>	LID#	<b>B103</b>	SLEEP#
<b>A104</b>	VCC_12V7	<b>B104</b>	VCC_12V16
<b>A105</b>	VCC_12V8	<b>B105</b>	VCC_12V17
<b>A106</b>	VCC_12V9	<b>B106</b>	VCC_12V18
<b>A107</b>	VCC_12V10	<b>B107</b>	VCC_12V19
<b>A108</b>	VCC_12V11	<b>B108</b>	VCC_12V20
<b>A109</b>	VCC_12V12	<b>B109</b>	VCC_12V21
<b>A110</b>	GND14	<b>B110</b>	GND26

• COMEXPRESS1 : COM Express Connector CD

Pin No.	Description	Pin No.	Description
<b>C1</b>	GND0	<b>D1</b>	GND15
<b>C2</b>	GND	<b>D2</b>	GND
<b>C3</b>	USB_SSRX0-	<b>D3</b>	USB_SSTX0-
<b>C4</b>	USB_SSRX0+	<b>D4</b>	USB_SSTX0+
<b>C5</b>	GND	<b>D5</b>	GND
<b>C6</b>	USB_SSRX1-	<b>D6</b>	USB_SSTX1-
<b>C7</b>	USB_SSRX1+	<b>D7</b>	USB_SSTX1+
<b>C8</b>	GND	<b>D8</b>	GND
<b>C9</b>	USB_SSRX2-	<b>D9</b>	USB_SSTX2-
<b>C10</b>	USB_SSRX2+	<b>D10</b>	USB_SSTX2+
<b>C11</b>	GND1	<b>D11</b>	GND16
<b>C12</b>	USB_SSRX3-	<b>D12</b>	USB_SSTX3-
<b>C13</b>	USB_SSRX3+	<b>D13</b>	USB_SSTX3+
<b>C14</b>	GND	<b>D14</b>	GND
<b>C15</b>	RSVD	<b>D15</b>	DDI1_CTRLCLK_AUX+
<b>C16</b>	RSVD	<b>D16</b>	DDI1_CTRLDATA_AUX-
<b>C17</b>	RSVD	<b>D17</b>	RSVD
<b>C18</b>	RSVD	<b>D18</b>	RSVD
<b>C19</b>	PCIE_RX6+	<b>D19</b>	PCIE_TX6+
<b>C20</b>	PCIE_RX6-	<b>D20</b>	PCIE_TX6-
<b>C21</b>	GND2	<b>D21</b>	GND17
<b>C22</b>	RSVD	<b>D22</b>	RSVD
<b>C23</b>	RSVD	<b>D23</b>	RSVD
<b>C24</b>	DDI1_HPD	<b>D24</b>	RSVD
<b>C25</b>	RSVD	<b>D25</b>	RSVD
<b>C26</b>	RSVD -	<b>D26</b>	DDI1_PAIR0+
<b>C27</b>	RSVD	<b>D27</b>	DDI1_PAIR0-
<b>C28</b>	RSVD	<b>D28</b>	RSVD
<b>C29</b>	RSVD	<b>D29</b>	DDI1_PAIR1+
<b>C30</b>	RSVD	<b>D30</b>	DDI1_PAIR1-
<b>C31</b>	GND3	<b>D31</b>	GND18
<b>C32</b>	DDI2_CTRLCLK_AUX+	<b>D32</b>	DDI1_PAIR2+
<b>C33</b>	DDI2_CTRLDATA_AUX-	<b>D33</b>	DDI1_PAIR2-
<b>C34</b>	DDI2_DDC_AUX_SEL	<b>D34</b>	DDI1_DDC_AUX_SEL
<b>C35</b>	RSVD	<b>D35</b>	RSVD
<b>C36</b>	DDI3_CTRLCLK_AUX+	<b>D36</b>	DDI1_PAIR3+
<b>C37</b>	DDI3_CTRLDATA_AUX-	<b>D37</b>	DDI1_PAIR3-
<b>C38</b>	DDI3_DDC_AUX_SEL	<b>D38</b>	RSVD

<b>C39</b>	DDI3_PAIR0+	<b>D39</b>	DDI2_PAIR0+
<b>C40</b>	DDI3_PAIR0-	<b>D40</b>	DDI2_PAIR0-
<b>C41</b>	GND4	<b>D41</b>	GND19
<b>C42</b>	DDI3_PAIR1+	<b>D42</b>	DDI2_PAIR1+
<b>C43</b>	DDI3_PAIR1-	<b>D43</b>	DDI2_PAIR1-
<b>C44</b>	DDI3_HPD	<b>D44</b>	DDI2_HPD
<b>C45</b>	RSVD	<b>D45</b>	RSVD
<b>C46</b>	DDI3_PAIR2+	<b>D46</b>	DDI2_PAIR2+
<b>C47</b>	DDI3_PAIR2-	<b>D47</b>	DDI2_PAIR2-
<b>C48</b>	RSVD	<b>D48</b>	RSVD
<b>C49</b>	DDI3_PAIR3+	<b>D49</b>	DDI2_PAIR3+
<b>C50</b>	DDI3_PAIR3-	<b>D50</b>	DDI2_PAIR3-
<b>C51</b>	GND5	<b>D51</b>	GND20
<b>C52</b>	PEG_RX0+	<b>D52</b>	PEG_TX0+
<b>C53</b>	PEG_RX0-	<b>D53</b>	PEG_TX0-
<b>C54</b>	RSVD	<b>D54</b>	PEG_LANE_RV#
<b>C55</b>	PEG_RX1+	<b>D55</b>	PEG_TX1+
<b>C56</b>	PEG_RX1-	<b>D56</b>	PEG_TX1-
<b>C57</b>	RSVD	<b>D57</b>	TYPE2#
<b>C58</b>	PEG_RX2+	<b>D58</b>	PEG_TX2+
<b>C59</b>	PEG_RX2-	<b>D59</b>	PEG_TX2-
<b>C60</b>	GND7	<b>D60</b>	GND21
<b>C61</b>	PEG_RX3+	<b>D61</b>	PEG_TX3+
<b>C62</b>	PEG_RX3-	<b>D62</b>	PEG_TX3-
<b>C63</b>	RSVD1	<b>D63</b>	RSVD10
<b>C64</b>	RSVD2	<b>D64</b>	RSVD9
<b>C65</b>	PEG_RX4+	<b>D65</b>	PEG_TX4+
<b>C66</b>	PEG_RX4-	<b>D66</b>	PEG_TX4-
<b>C67</b>	RSVD3	<b>D67</b>	GND28
<b>C68</b>	PEG_RX5+	<b>D68</b>	PEG_TX5+
<b>C69</b>	PEG_RX5-	<b>D69</b>	PEG_TX5-
<b>C70</b>	GND9	<b>D70</b>	GND22
<b>C71</b>	PEG_RX6+	<b>D71</b>	PEG_TX6+
<b>C72</b>	PEG_RX6-	<b>D72</b>	PEG_TX6-
<b>C73</b>	GND	<b>D73</b>	GND
<b>C74</b>	PEG_RX7+	<b>D74</b>	PEG_TX7+
<b>C75</b>	PEG_RX7-	<b>D75</b>	PEG_TX7-
<b>C76</b>	GND8	<b>D76</b>	GND29
<b>C77</b>	RSVD4	<b>D77</b>	RSVD
<b>C78</b>	PEG_RX8+	<b>D78</b>	PEG_TX8+
<b>C79</b>	PEG_RX8-	<b>D79</b>	PEG_TX8-



<b>C80</b>	GND10	<b>D80</b>	GND23
<b>C81</b>	PEG_RX9+	<b>D81</b>	PEG_TX9+
<b>C82</b>	PEG_RX9-	<b>D82</b>	PEG_TX9-
<b>C83</b>	RSVD5	<b>D83</b>	RSVD8
<b>C84</b>	GND6	<b>D84</b>	GND30
<b>C85</b>	PEG_RX10+	<b>D85</b>	PEG_TX10+
<b>C86</b>	PEG_RX10-	<b>D86</b>	PEG_TX10-
<b>C87</b>	GND35	<b>D87</b>	GND31
<b>C88</b>	PEG_RX11+	<b>D88</b>	PEG_TX11+
<b>C89</b>	PEG_RX11-	<b>D89</b>	PEG_TX11-
<b>C90</b>	GND27	<b>D90</b>	GND24
<b>C91</b>	PEG_RX12+	<b>D91</b>	PEG_TX12+
<b>C92</b>	PEG_RX12-	<b>D92</b>	PEG_TX12-
<b>C93</b>	GND11	<b>D93</b>	GND32
<b>C94</b>	PEG_RX13+	<b>D94</b>	PEG_TX13+
<b>C95</b>	PEG_RX13-	<b>D95</b>	PEG_TX13-
<b>C96</b>	GND12	<b>D96</b>	GND33
<b>C97</b>	RSVD6	<b>D97</b>	RSVD
<b>C98</b>	PEG_RX14+	<b>D98</b>	PEG_TX14+
<b>C99</b>	PEG_RX14-	<b>D99</b>	PEG_TX14-
<b>C100</b>	GND13	<b>D100</b>	GND25
<b>C101</b>	PEG_RX15+	<b>D101</b>	PEG_TX15+
<b>C102</b>	PEG_RX15-	<b>D102</b>	PEG_TX15-
<b>C103</b>	GND	<b>D103</b>	GND34
<b>C104</b>	VCC_12V1	<b>D104</b>	VCC_12V7
<b>C105</b>	VCC_12V2	<b>D105</b>	VCC_12V8
<b>C106</b>	VCC_12V3	<b>D106</b>	VCC_12V9
<b>C107</b>	VCC_12V4	<b>D107</b>	VCC_12V10
<b>C108</b>	VCC_12V5	<b>D108</b>	VCC_12V11
<b>C109</b>	VCC_12V6	<b>D109</b>	VCC_12V12
<b>C110</b>	GND14	<b>D110</b>	GND26

# Board Layout: Dimensions (Unit: mm)

