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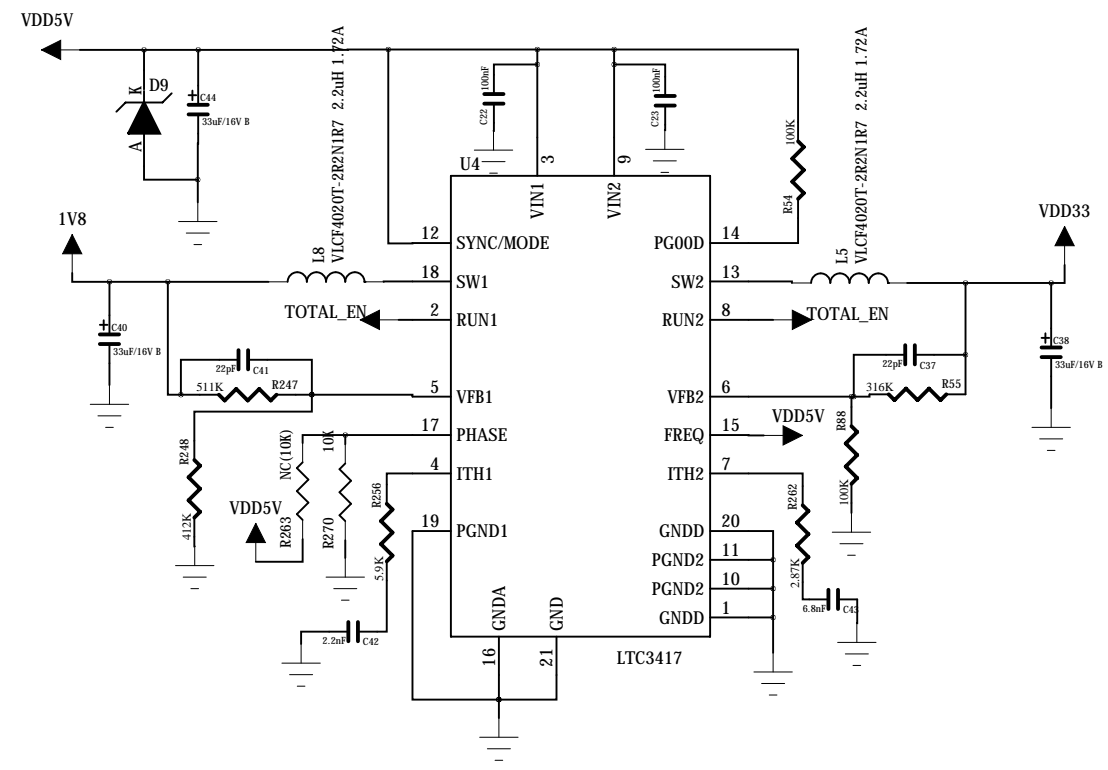
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**Version:V2.0**  
**Name:MINI6245 100102**  
**DATE:20101019**

COMPANY: Timl Technic inc.		
TITLE: MINI6045 100102		
P/N: <CODE>	REV: 1.0	
Design by: <b>wuxiang</b>	Checked by: YANGYK	Approved by: YANGYK
DATED: 2010/10/25	DATED: 2010/10/25	DATED: 2010/10/25
SCALE: <SCALE>	SIZE: A2	SHEET: 1 OF 11

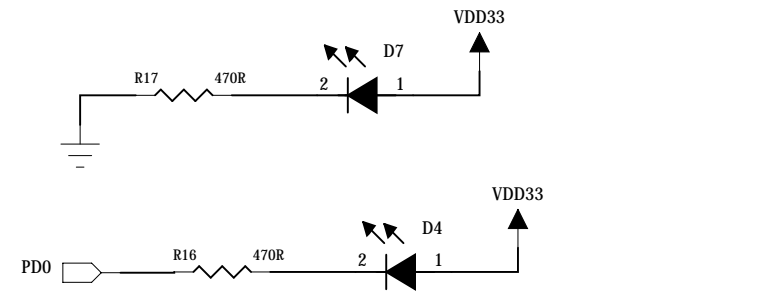
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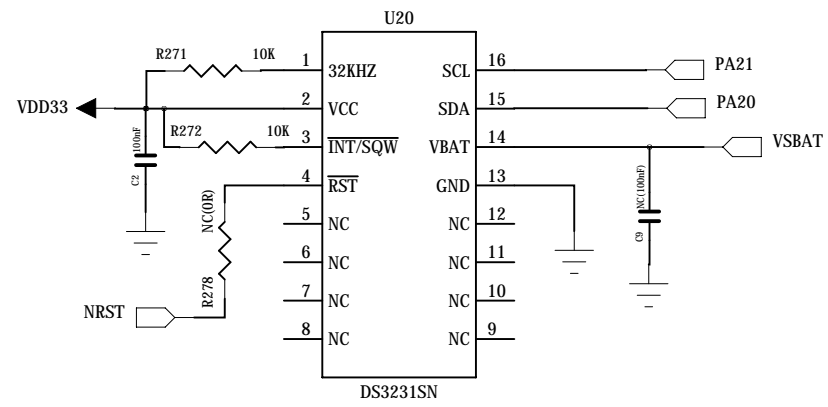
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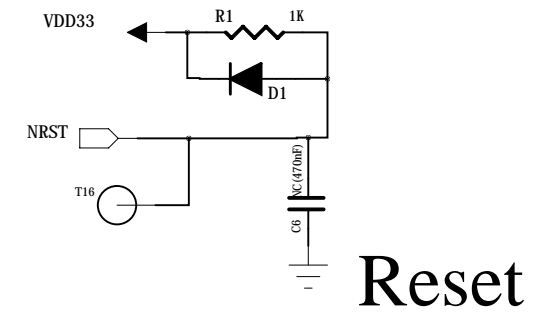
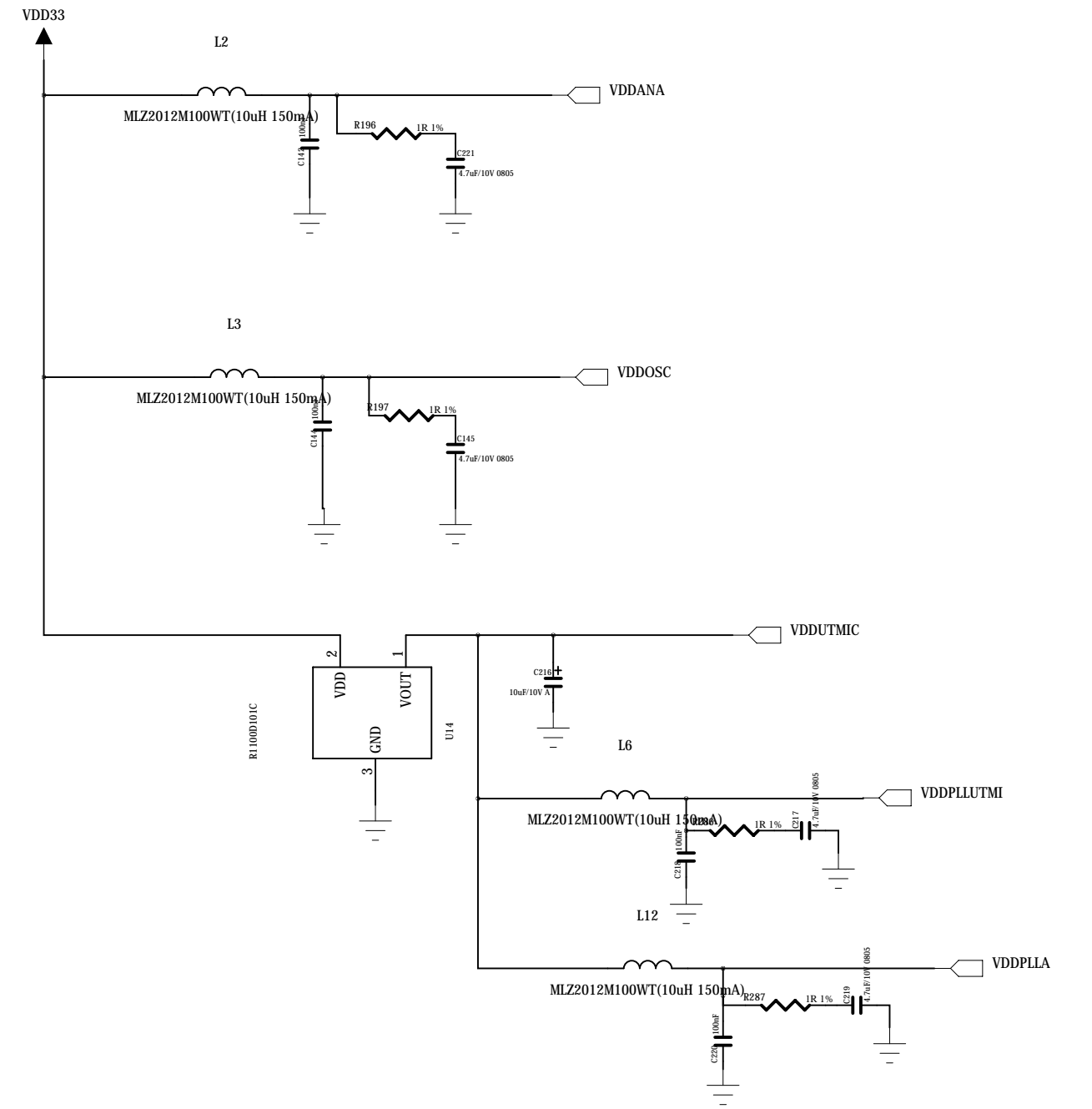
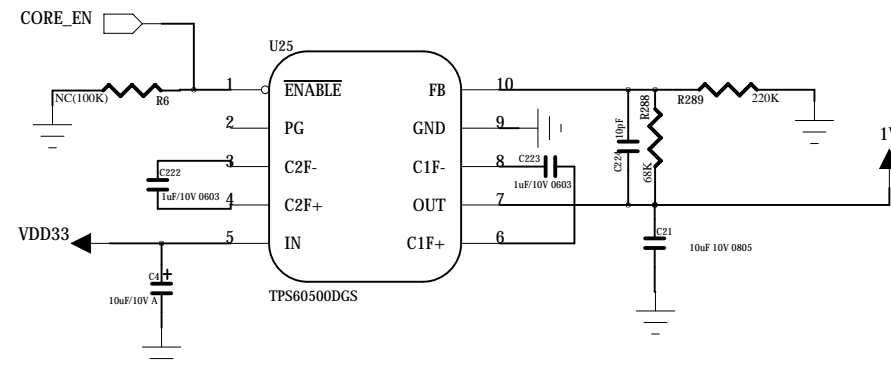
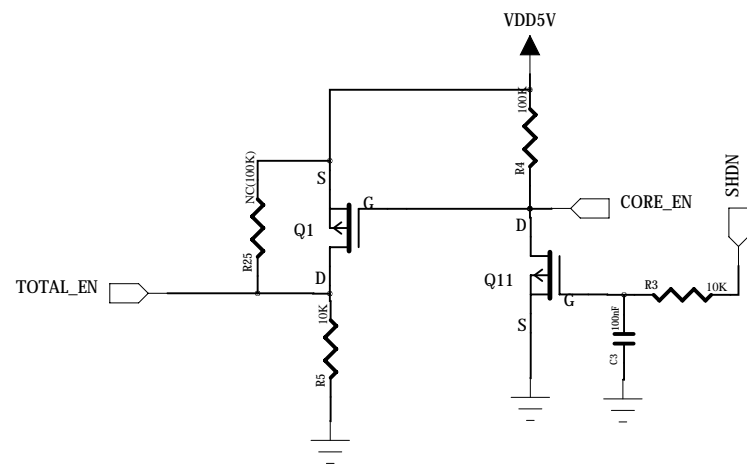
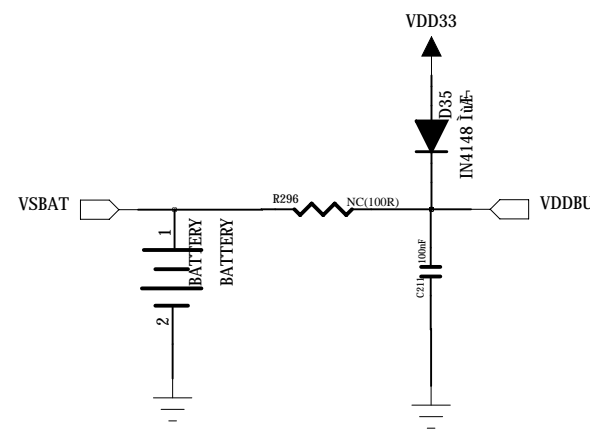
B

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Reset

COMPANY: Timl Technic inc.		
TITLE: MINI6045 100102		
P/N: <CODE>	REV: 1.0	
Design by: wuxiang	Checked by: YANGYK	Approved by: YANGYK
DATED: 2010/10/25	DATED: 2010/10/25	DATED: 2010/10/25
SCALE: <SCALE>	SIZE: A2	SHEET: 2 OF 11

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PA[0:31]

PA0	L1	PA0/MCIO CK/TCLK3
PA1	M1	PA1/MCIO_CDA/TIOA3
PA2	L5	PA2/MCIO_DAO/TIOB3
PA3	N1	PA3/MCIO_DAI/TCLK4
PA4	L6	PA4/MCIO_DA2/TIOA4
PA5	M2	PA5/MCIO_DA3/TIOB4
PA6	M3	PA6/MCIO_DAA/ETX2
PA7	M4	PA7/MCIO_DAS/ETX3
PA8	L7	PA8/MCIO_DAE/ERX2
PA9	N2	PA9/MCIO_DAF/ERX3
PA10	M5	PA10/ETX0
PA11	P1	PA11/ETX1
PA12	N3	PA12/ERX0
PA13	P2	PA13/ERX1
PA14	M6	PA14/ETXEN
PA15	N4	PA15/ERXDV
PA16	N5	PA16/ERXER
PA17	N6	PA17/ETXCK
PA18	R1	PA18/EMDC
PA19	P3	PA19/EMDIO
PA20	R2	PA20/TWDO
PA21	P4	PA21/TWCK0
PA22	T1	PA22/MCI1_CDA/SCK3
PA23	P5	PA23/MCI1_DAO/RTS3
PA24	R3	PA24/MCI1_DAI/CTS3
PA25	T2	PA25/MCI1_DA2/PWM3
PA26	T3	PA26/MCI1_DA3/TIOB2
PA27	U1	PA27/MCI1_DAA/ETXER
PA28	U3	PA28/MCI1_DAS/ERXCK
PA29	U2	PA29/MCI1_DAE/ECRS
PA30	R4	PA30/MCI1_DAF/ECOL
PA31	V1	PA31/MCI1_CK/PCK0

U6-A

PB0	T4	PB0/SPI0_MISO
PB1	V2	PB1/SPI0_MOSI
PB2	V3	PB2/SPI0_SPCCK
PB3	U4	PB3/SPI0_NPCS0
PB4	R5	PB4/TXD1
PB5	V4	PB5/RXD1
PB6	T5	PB6/TXD2
PB7	U5	PB7/RXD2
PB8	T12	PB8/TXD3/IS1_D8
PB9	N11	PB9/RXD3/IS1_D9
PB10	U13	PB10/TWD1/IS1_D10
PB11	M11	PB11/TWCK1/IS1_D11
PB12	P6	PB12/DRXD
PB13	R6	PB13/DTXD
PB14	M7	PB14/SPI1_MISO
PB15	V5	PB15/SPI1_MOSI/CTS0
PB16	T6	PB16/SPI1_SPCCK/SCR0
PB17	U6	PB17/SPI1_NPCS0/RTS0
PB18	N7	PB18/RXD0/SPI0_NPCS1
PB19	P7	PB19/TXD0/SPI0_NPCS2
PB20	P12	PB20/IS1_D0
PB21	T15	PB21/IS1_D1
PB22	R12	PB22/IS1_D2
PB23	T16	PB23/IS1_D3
PB24	N12	PB24/IS1_D4
PB25	M12	PB25/IS1_D5
PB26	U14	PB26/IS1_D6
PB27	M13	PB27/IS1_D7
PB28	N13	PB28/IS1_D8
PB29	R13	PB29/IS1_VSYNC
PB30	T13	PB30/IS1_HSYNC
PB31	P13	PB31/IS1_MCK/PCK1

PB[0:31]

PC[0:31]

PC0	A8	PC0/DQM2
PC1	E9	PC1/DQM3
PC2	B8	PC2/A19
PC3	C8	PC3/A20
PC4	F9	PC4/A21/NANDALE
PC5	A7	PC5/A22/NANDCLE
PC6	D8	PC6/A23
PC7	A6	PC7/A24
PC8	E8	PC8/CFCE1
PC9	C7	PC9/CFCE2/RTS2
PC10	B6	PC10/NCS4/CFCS0/TCLK2
PC11	B7	PC11/NCS5/CFCS1/CTS2
PC12	A5	PC12/A25/CFRNW
PC13	D7	PC13/NCS2
PC14	F8	PC14/NCS3/NANDCS
PC15	C6	PC15/NWAIT
PC16	E7	PC16/D16
PC17	B5	PC17/D17
PC18	D6	PC18/D18
PC19	F7	PC19/D19
PC20	A4	PC20/D20
PC21	C5	PC21/D21
PC22	B4	PC22/D22
PC23	E6	PC23/D23
PC24	D5	PC24/D24
PC25	A3	PC25/D25
PC26	C4	PC26/D26
PC27	A1	PC27/D27
PC28	A2	PC28/D28
PC29	B2	PC29/D29
PC30	B3	PC30/D30
PC31	B1	PC31/D31

U6-B

PD0	R7	PD0/TK0/PWM3
PD1	T7	PD1/TF0
PD2	L8	PD2/TD0
PD3	V6	PD3/RD0
PD4	M8	PD4/RK0
PD5	V7	PD5/RF0
PD6	N8	PD6/AC97RX
PD7	U7	PD7/AC97TX/TIOA5
PD8	P8	PD8/AC97FS/TIOB5
PD9	R8	PD9/97CK/TCLK5
PD10	U8	PD10/TD1
PD11	T8	PD11/RD1
PD12	V8	PD12/TK1/PCK0
PD13	L9	PD13/RK1
PD14	U9	PD14/TF1
PD15	M9	PD15/RF1
PD16	N9	PD16/RTS1
PD17	V9	PD17/CTS1
PD18	R9	PD18/SPI1_NPCS2/IRQ
PD19	T9	PD19/SPI0_NPCS3/FIQ
PD20	D2	PD20/TIOA0
PD21	E1	PD21/TIOA1
PD22	F1	PD22/TIOA2
PD23	G2	PD23/TCLK0
PD24	F2	PD24/SPI0_NPCS1/PWM0
PD25	G1	PD25/SPI0_NPCS2/PWM1
PD26	H1	PD26/PCK0/PWM2
PD27	H2	PD27/PCK1/SPI0_NPCS3
PD28	P9	PD28/TSADTRG/SPI1_NPCS1
PD29	L10	PD29/TCLK1/SCK1
PD30	T10	PD30/TIOB0/SCK2
PD31	L11	PD31/TIOB1/PWM1

PD[0:31]

AT91SAM9G45

AT91SAM9G45

PE[0:31]

PE0	G4	PE0/LCDPWR/PCK0
PE1	F4	PE1/LCDMOD
PE2	G5	PE2/LCDCC
PE3	F5	PE3/LCDVSYNC
PE4	G7	PE4/LCDHSYNC
PE5	H5	PE5/LCDDOTCK
PE6	G3	PE6/LCDDEN
PE7	H6	PE7/LCDD0/LCDD2
PE8	G6	PE8/LCDD1/LCDD3
PE9	H7	PE9/LCDD2/LCDD4
PE10	H8	PE10/LCDD3/LCDD5
PE11	G8	PE11/LCDD4/LCDD6
PE12	J5	PE12/LCDD5/LCDD7
PE13	H4	PE13/LCDD6/LCDD10
PE14	J3	PE14/LCDD7/LCDD11
PE15	J4	PE15/LCDD8/LCDD12
PE16	J2	PE16/LCDD9/LCDD13
PE17	J6	PE17/LCDD10/LCDD14
PE18	J7	PE18/LCDD11/LCDD15
PE19	J1	PE19/LCDD12/LCDD18
PE20	J8	PE20/LCDD13/LCDD19
PE21	K1	PE21/LCDD14/LCDD20
PE22	K4	PE22/LCDD15/LCDD21
PE23	K2	PE23/LCDD16/LCDD22
PE24	K5	PE24/LCDD17/LCDD23
PE25	K6	PE25/LCDD18
PE26	K3	PE26/LCDD19
PE27	K7	PE27/LCDD20
PE28	K8	PE28/LCDD21
PE29	L3	PE29/LCDD22
PE30	L2	PE30/LCDD23
PE31	L4	PE31/PWM2/PCK1

U6-C

AT91SAM9G45

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COMPANY: Timll Technic inc.		
TITLE: MINI6045 100102		
P/N: <CODE>	REV: 1.0	
Design by: wuxiang	Checked by: YANGYK	Approved by: YANGYK
DATED: 2010/10/25	DATED: 2010/10/25	DATED: 2010/10/25
SCALE: <SCALE>	SIZE: A2	SHEET: 3 OF 11

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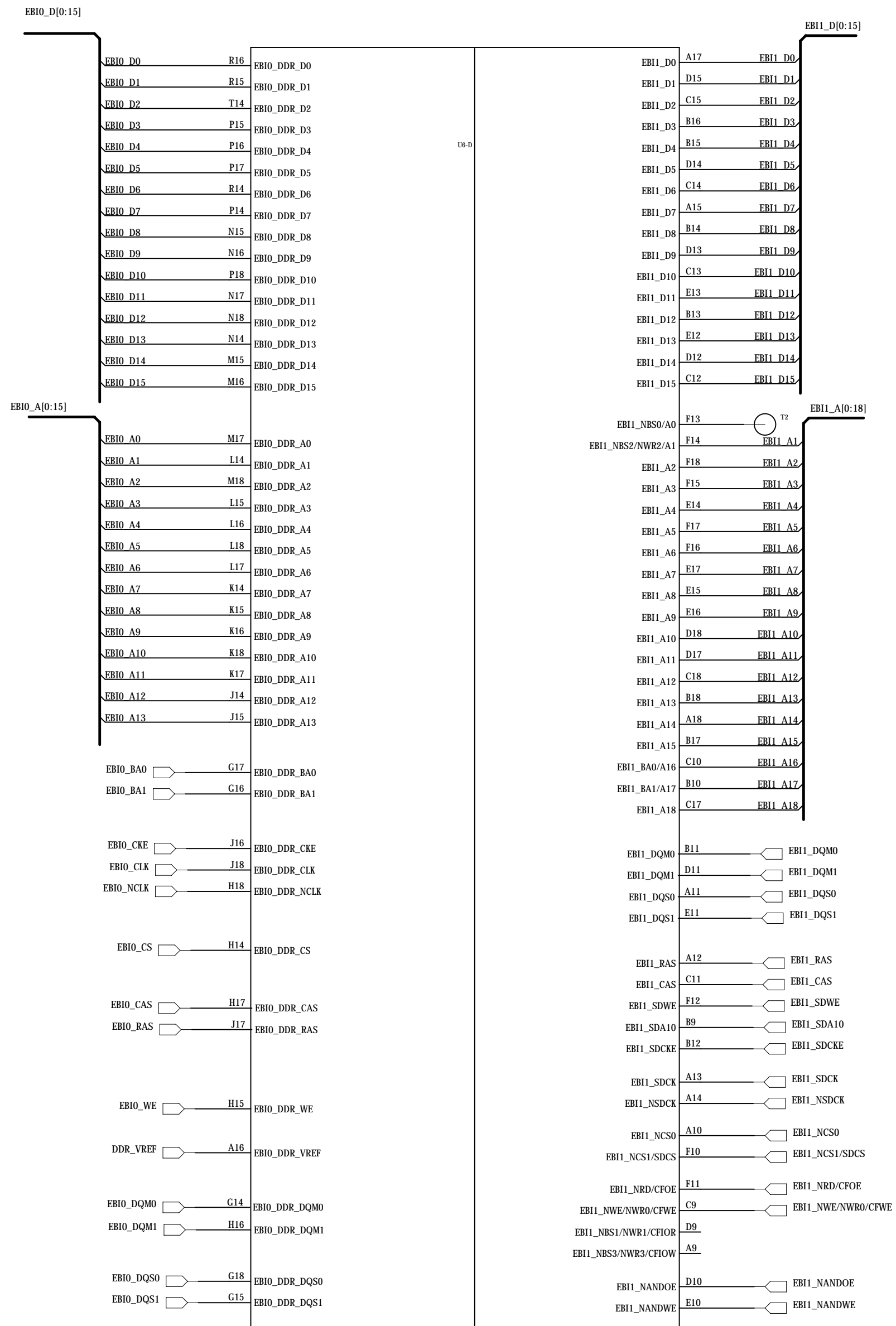
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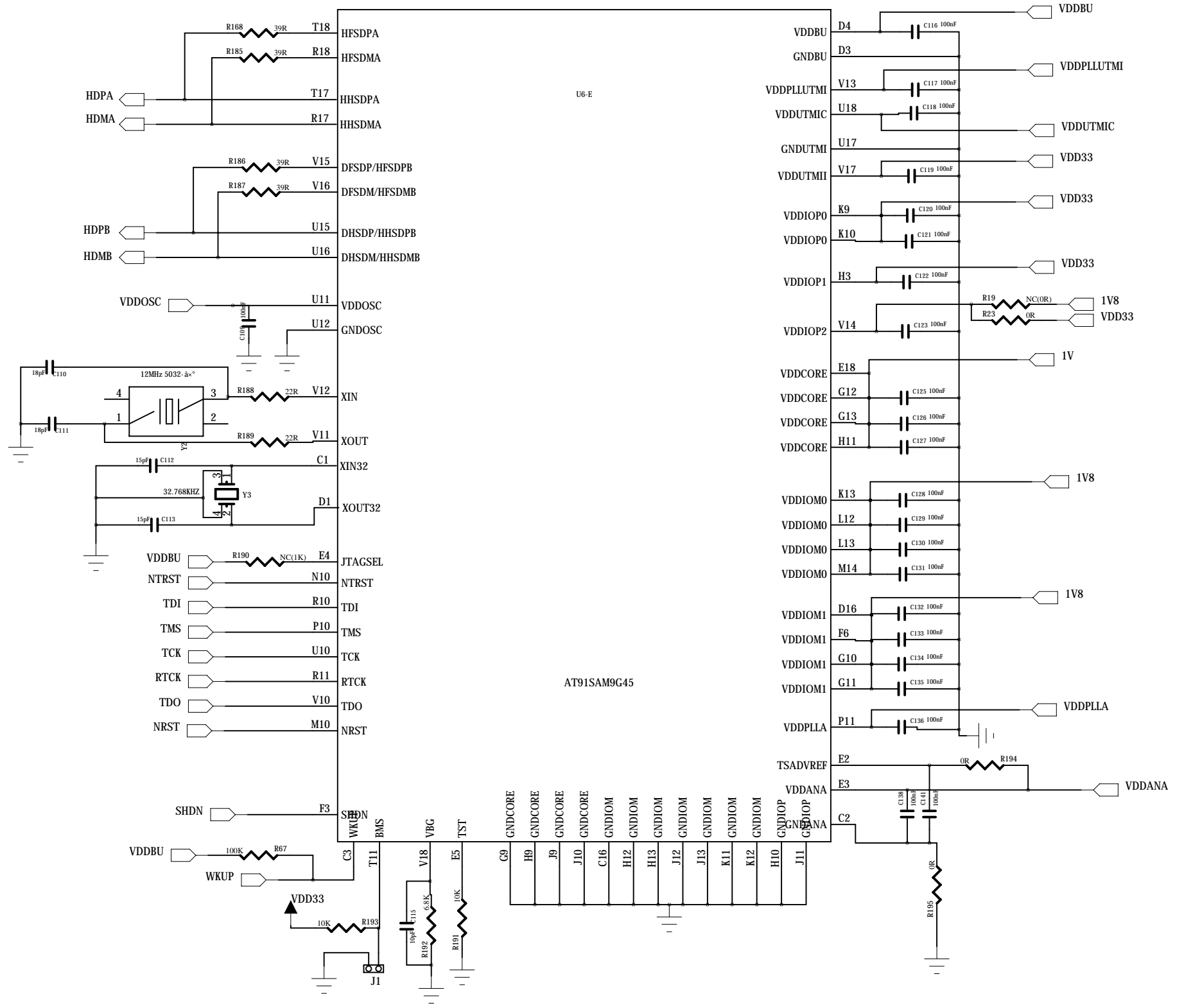
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AT91SAM9G45



AT91SAM9G45

COMPANY: Timl Technic inc.		
TITLE: MINI6045 100102		
P/N: <CODE>	REV: 1.0	
Design by: wuxiang	Checked by: YANGYK	Approved by: YANGYK
DATED: 2010/10/25	DATED: 2010/10/25	DATED: 2010/10/25
SCALE: <SCALE>	SIZE: A2	SHEET: 4 OF 11



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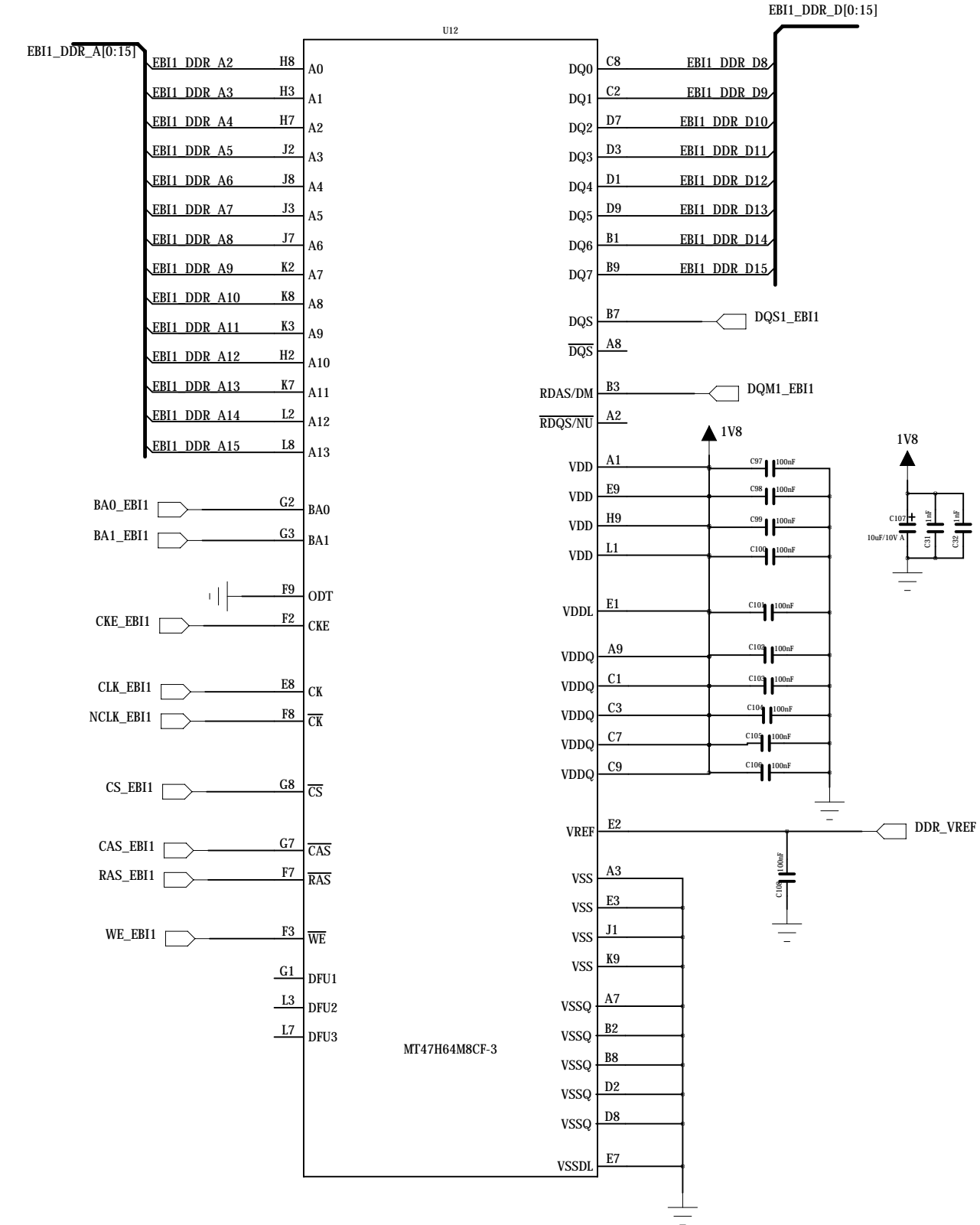
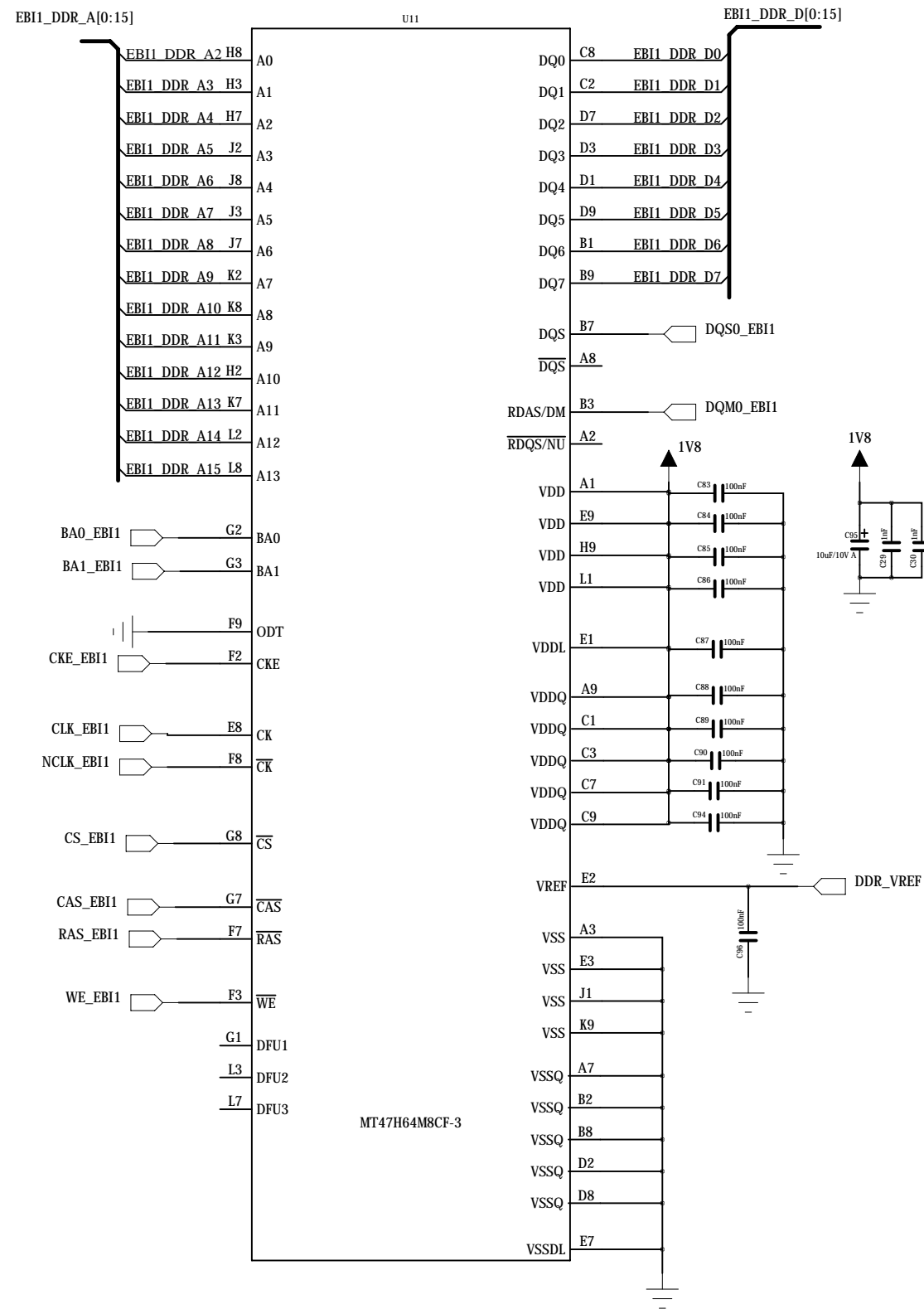
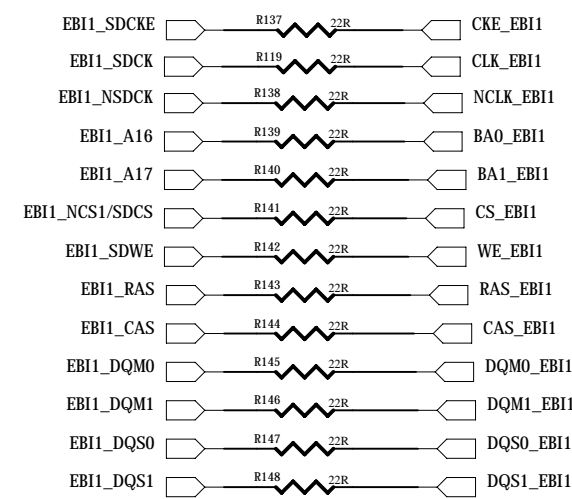
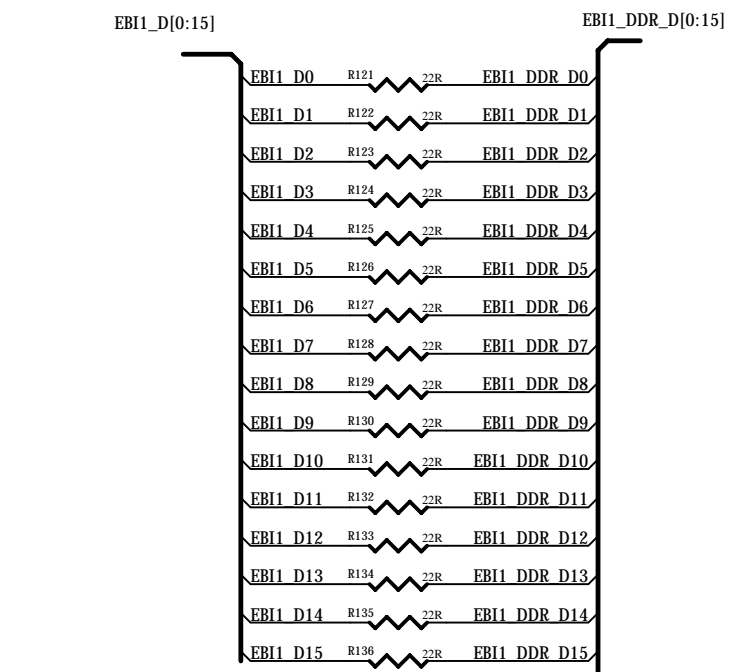
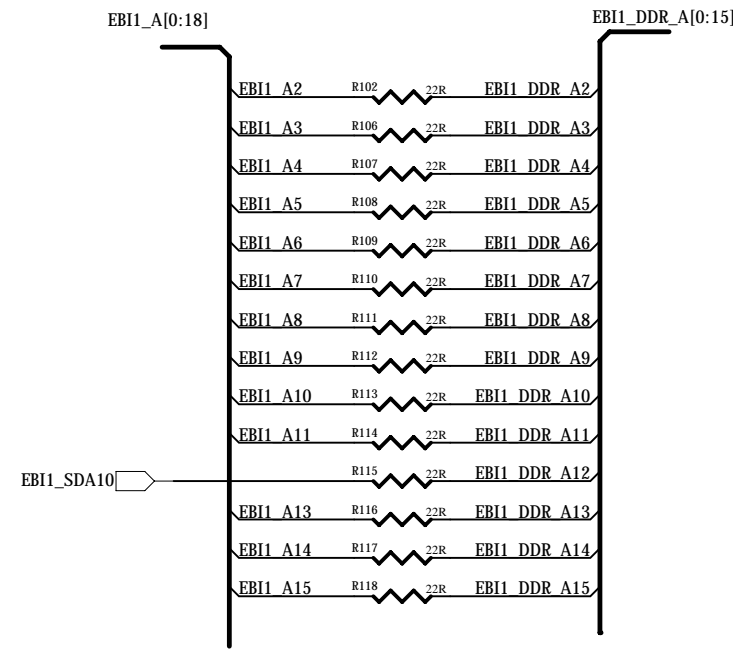
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COMPANY: Timl Technic inc.		
TITLE: MINI6045 100102		
P/N: <CODE>	REV: 1.0	
Design by: wuxiang	Checked by: YANGYK	Approved by: YANGYK
DATED: 2010/10/25	DATED: 2010/10/25	DATED: 2010/10/25
SCALE: <SCALE>	SIZE: A2	SHEET: 6 OF 11

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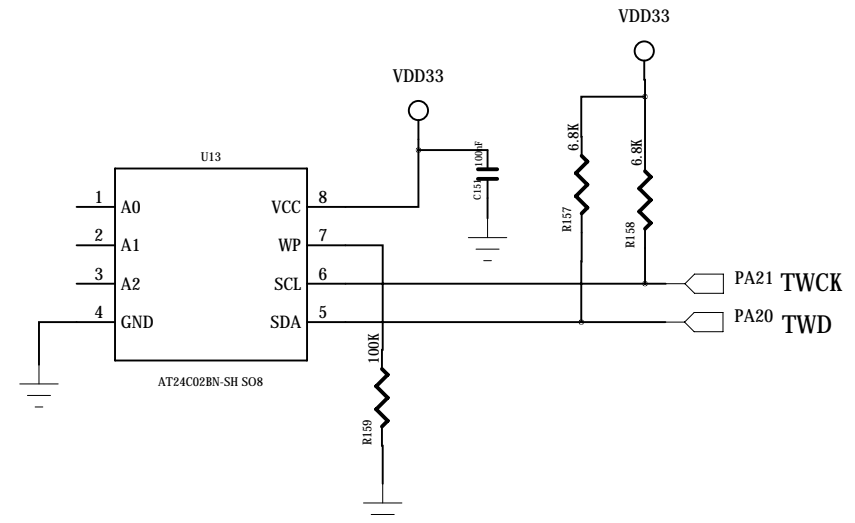
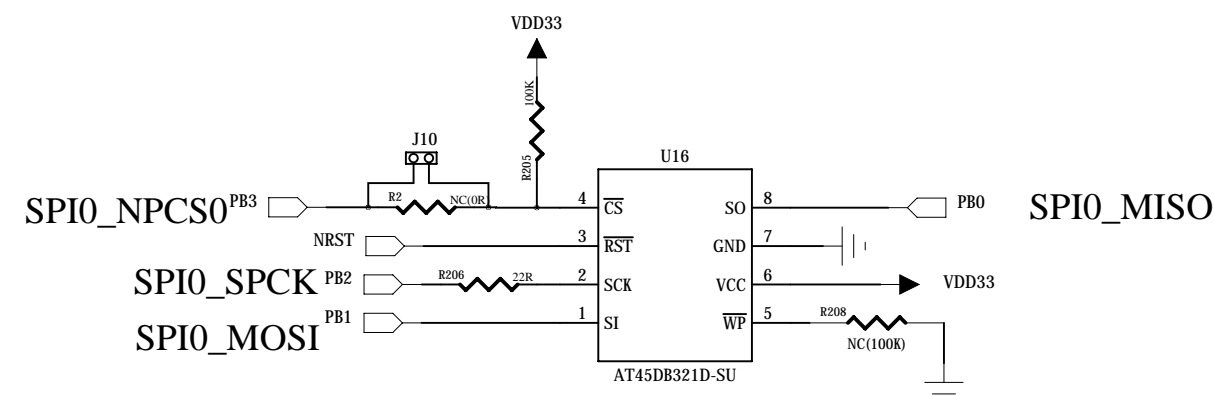
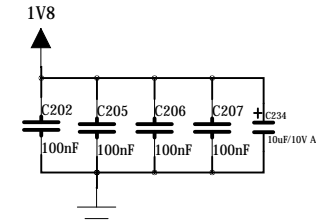
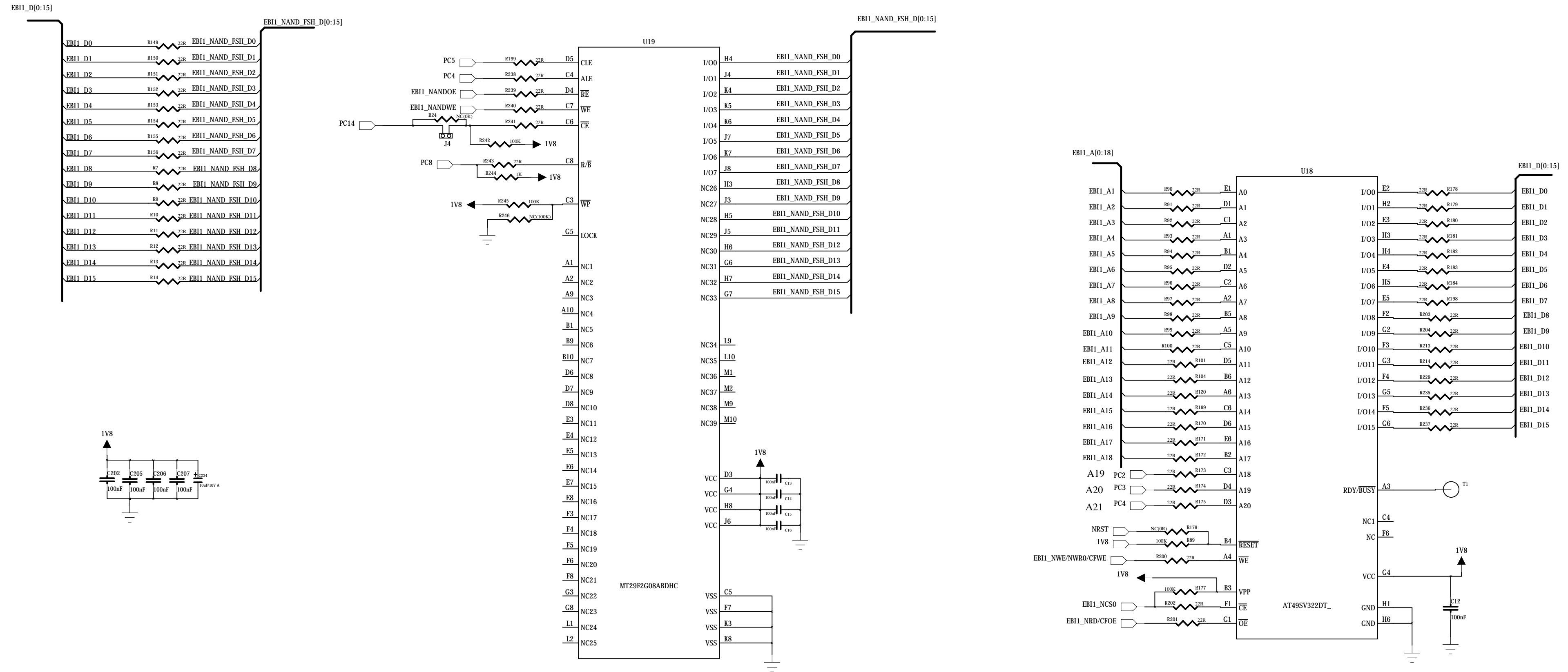
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COMPANY: Timl Technic inc.		
TITLE: MINI6045 100102		
P/N: <CODE>	REV: 1.0	
Design by: wuxiang	Checked by: YANGYK	Approved by: YANGYK
DATED: 2010/10/25	DATED: 2010/10/25	DATED: 2010/10/25
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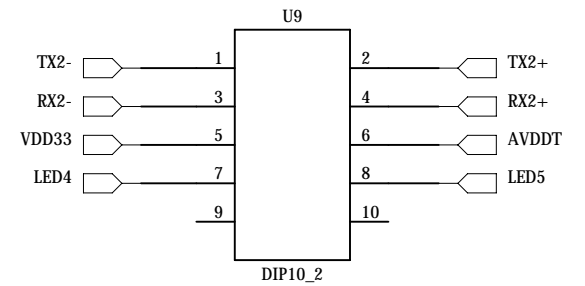
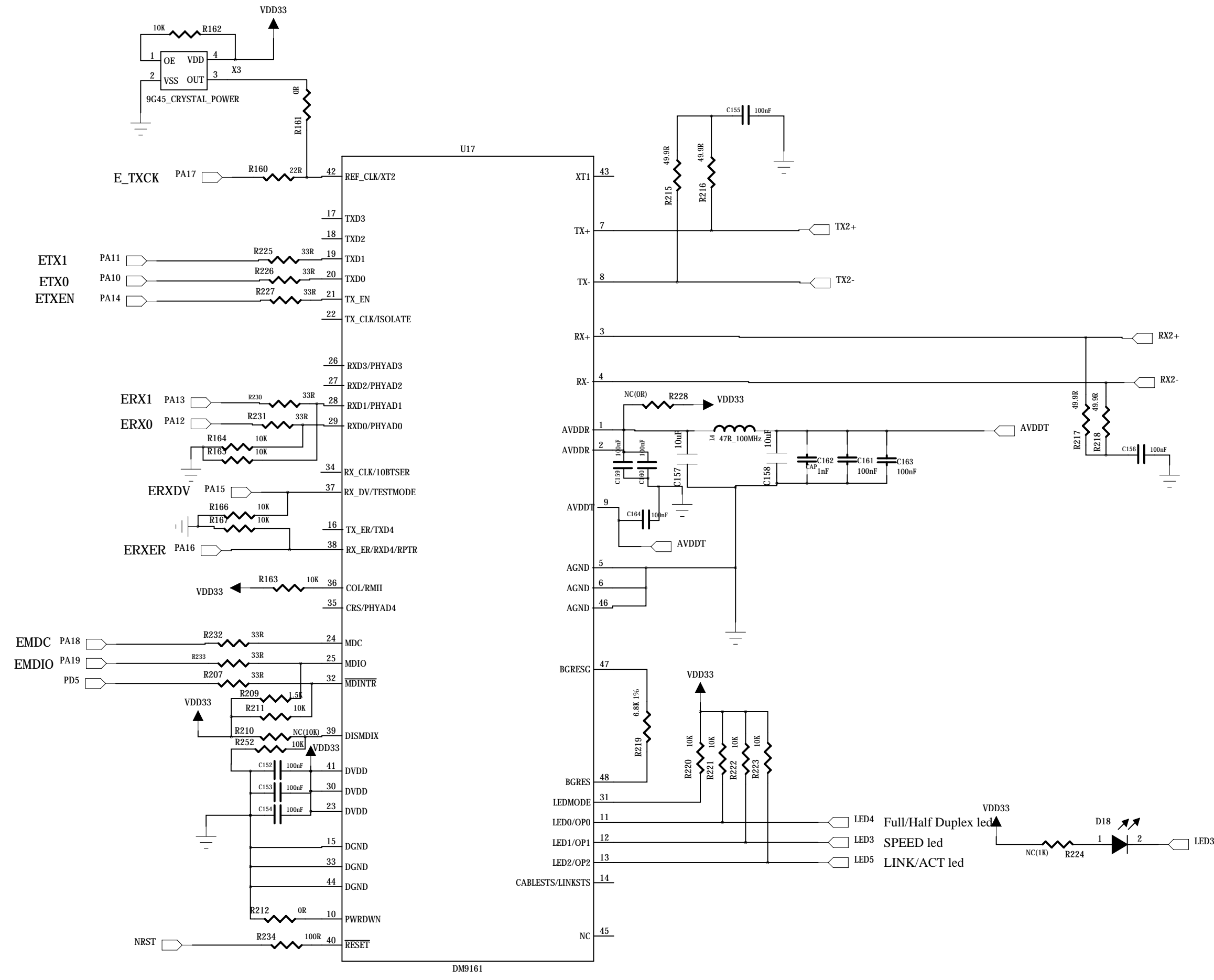
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COMPANY: Timll Technic inc.		
TITLE: MINI6045 100102		
P/N: <CODE>	REV: 1.0	
Design by: wuxiang	Checked by: YANGYK	Approved by: YANGYK
DATED: 2010/10/25	DATED: 2010/10/25	DATED: 2010/10/25
SCALE: <SCALE>	SIZE: A2	SHEET: 8 OF 11



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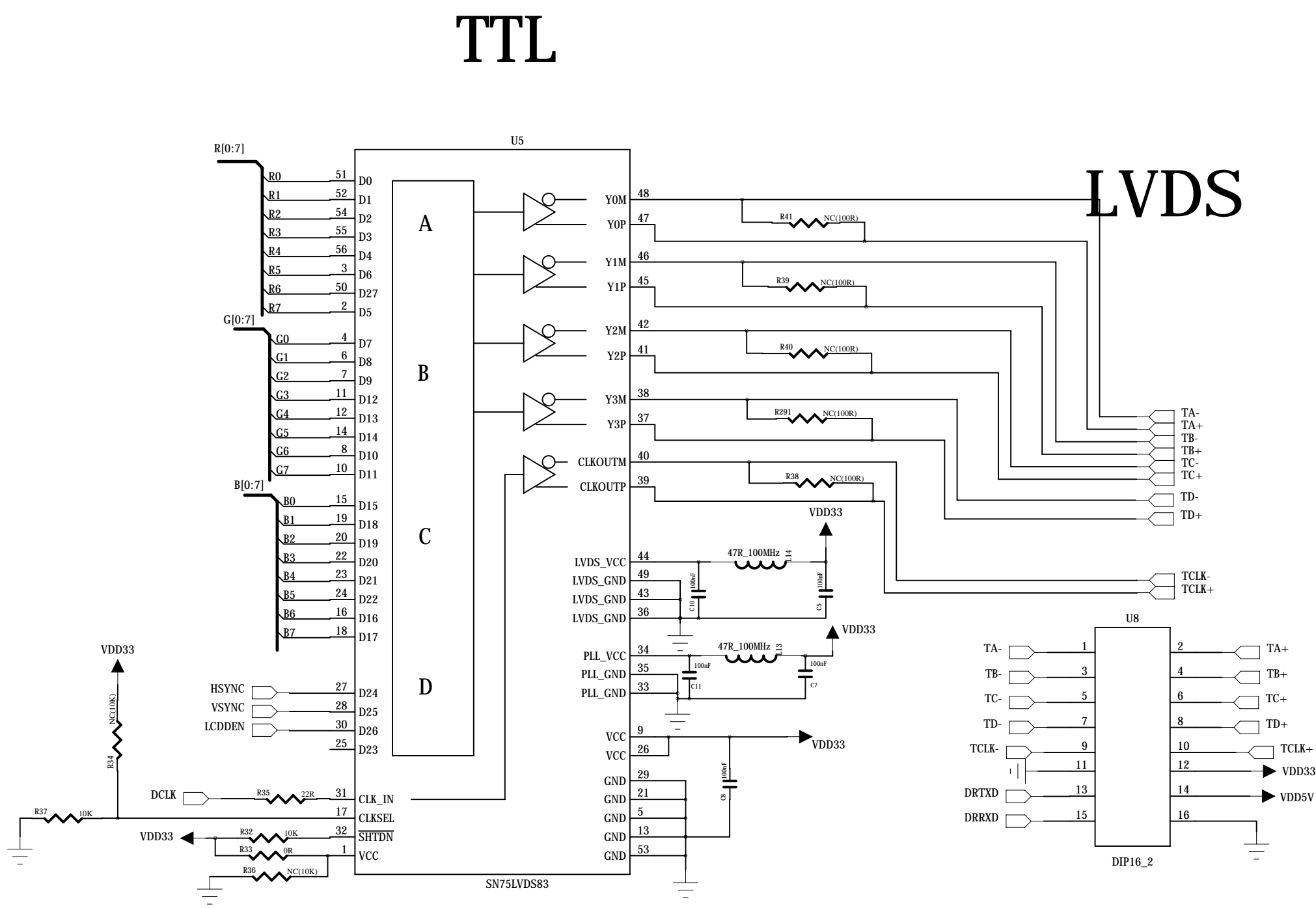
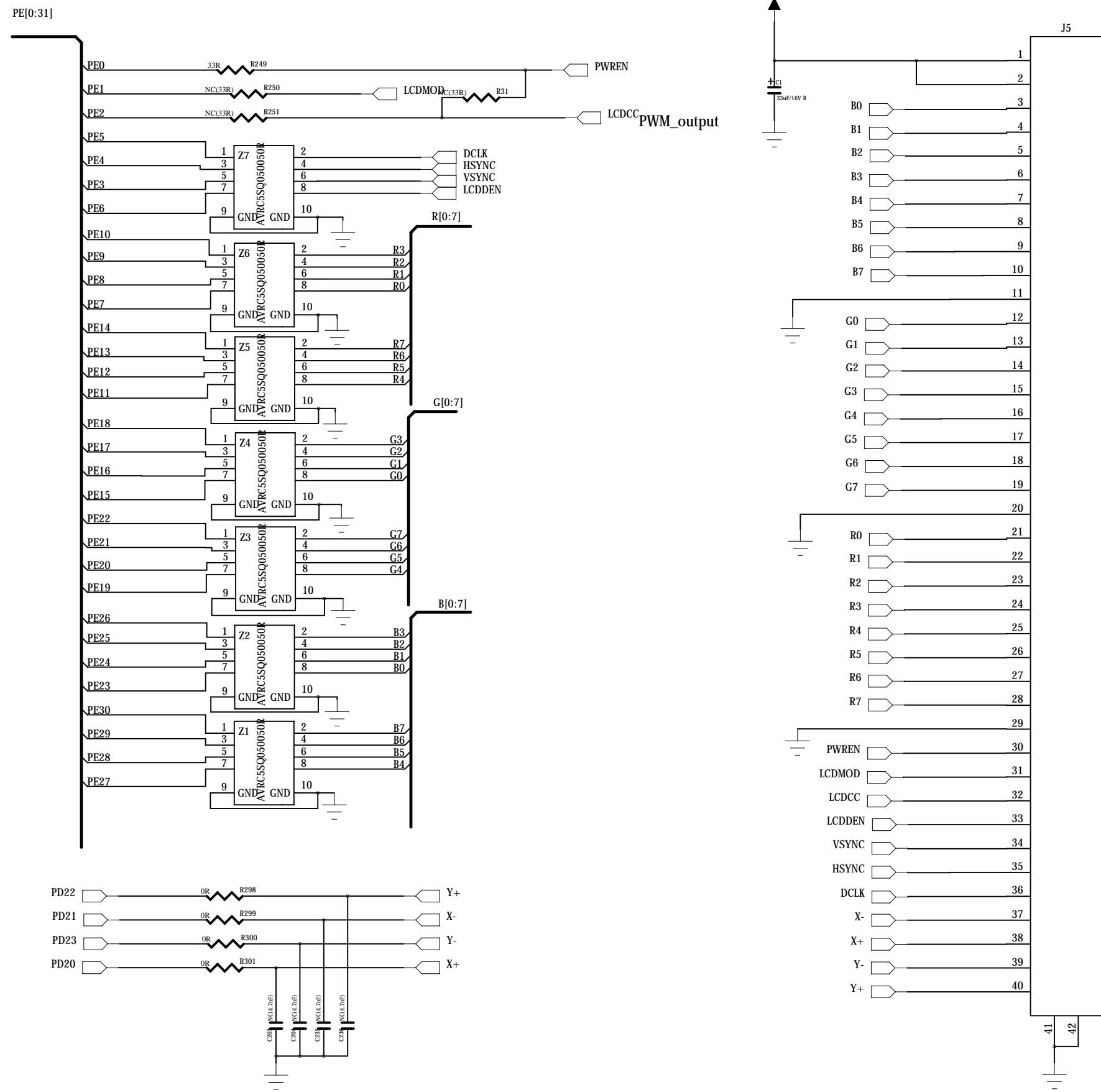
C

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COMPANY: Timl Technic inc.		
TITLE: MINI6045 100102		
P/N: <CODE>	REV: 1.0	
Design by: wuxiang	Checked by: YANGYK	Approved by: YANGYK
DATED: 2010/10/25	DATED: 2010/10/25	DATED: 2010/10/25
SCALE: <SCALE>	SIZE: A2	SHEET: 9 OF 11

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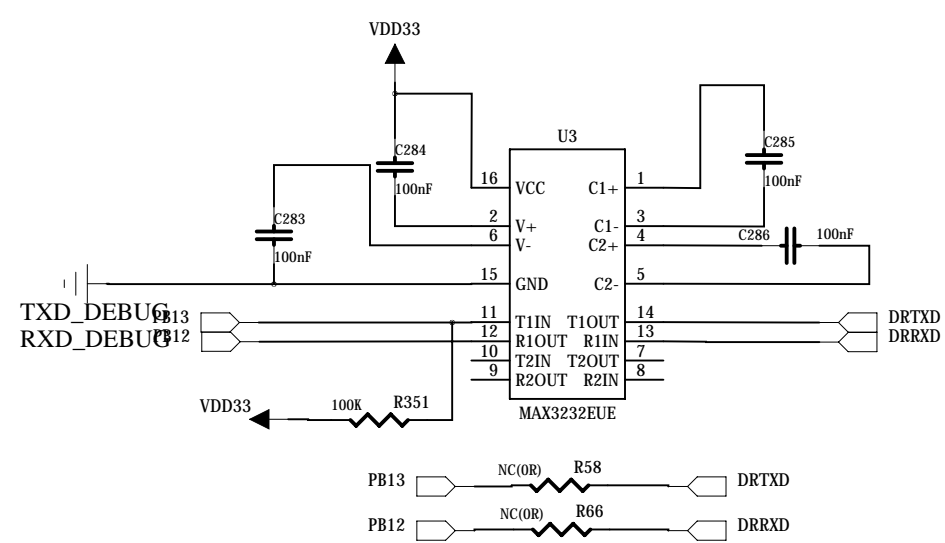
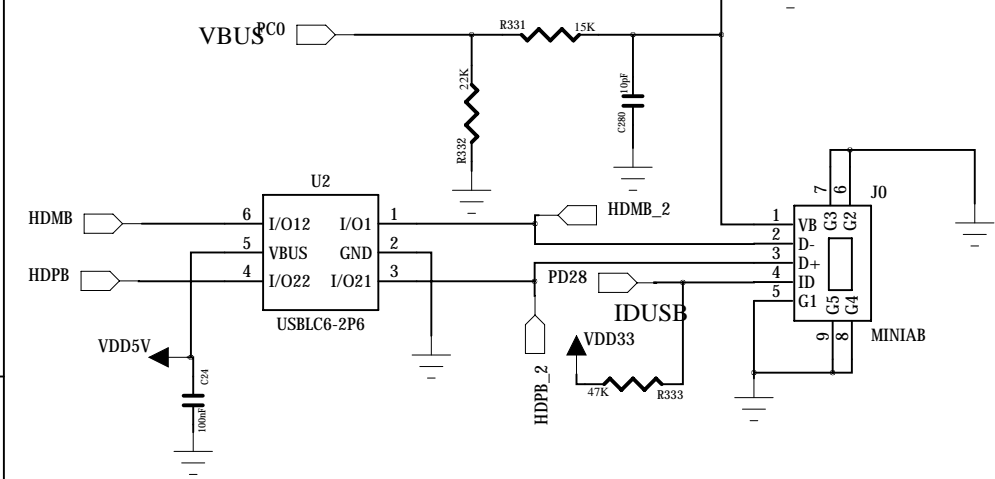
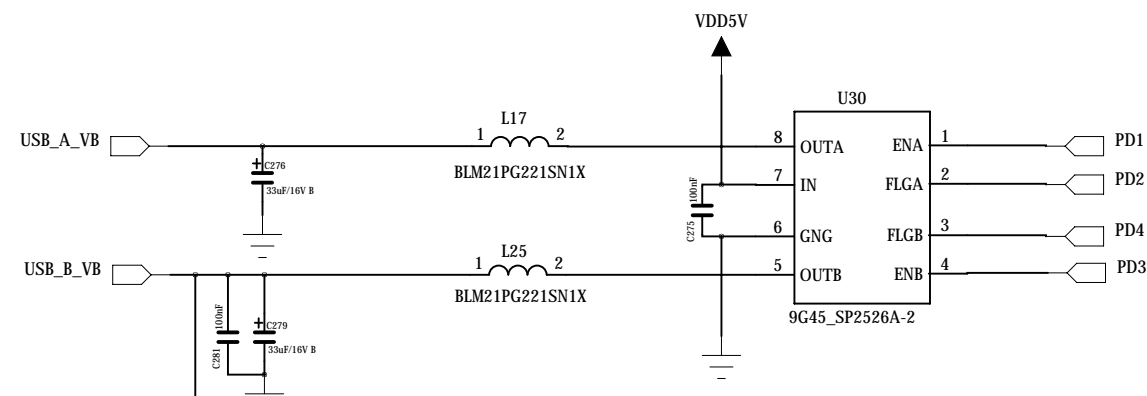
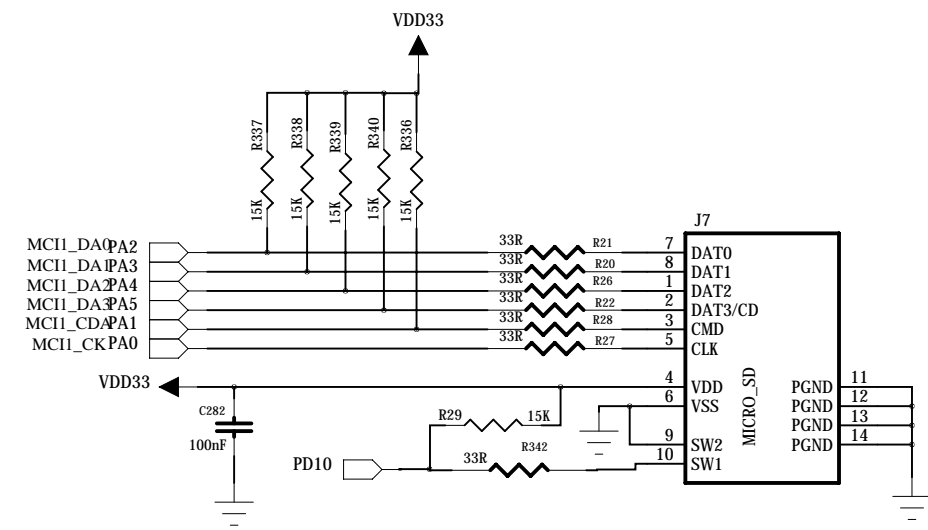
C

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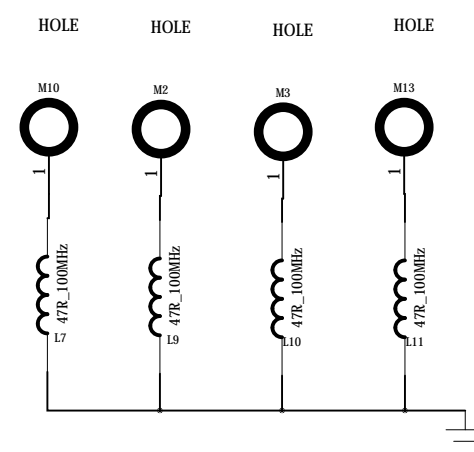
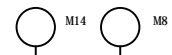
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# DEBUG 3 line USART



COMPANY: Timl Technic inc.		
TITLE: MINI6045 100102		
P/N: <CODE>	REV: 1.0	
Design by: wuxiang	Checked by: YANGYK	Approved by: YANGYK
DATED: 2010/10/25	DATED: 2010/10/25	DATED: 2010/10/25
SCALE: <SCALE>	SIZE: A2	SHEET: 10 OF 11

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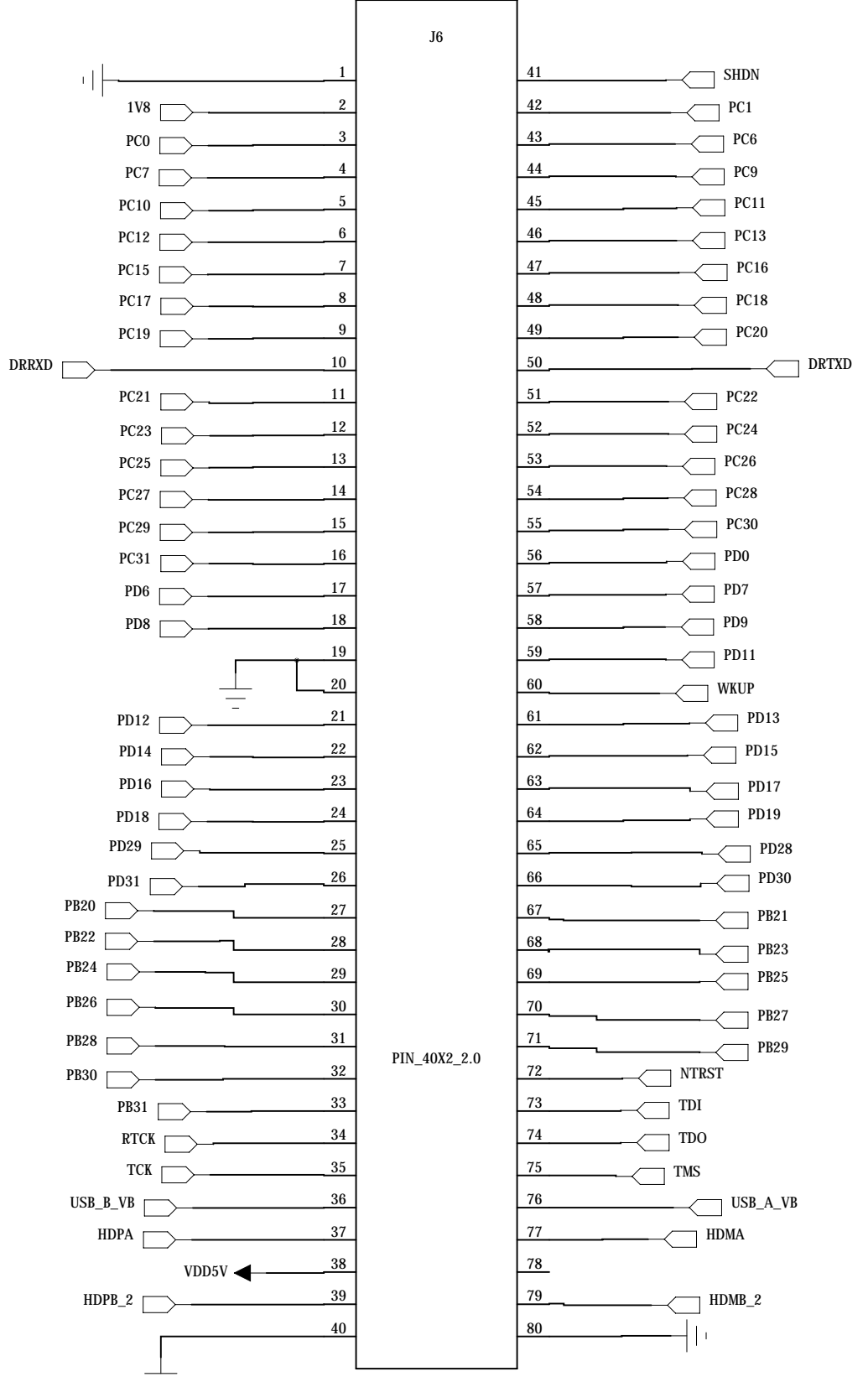
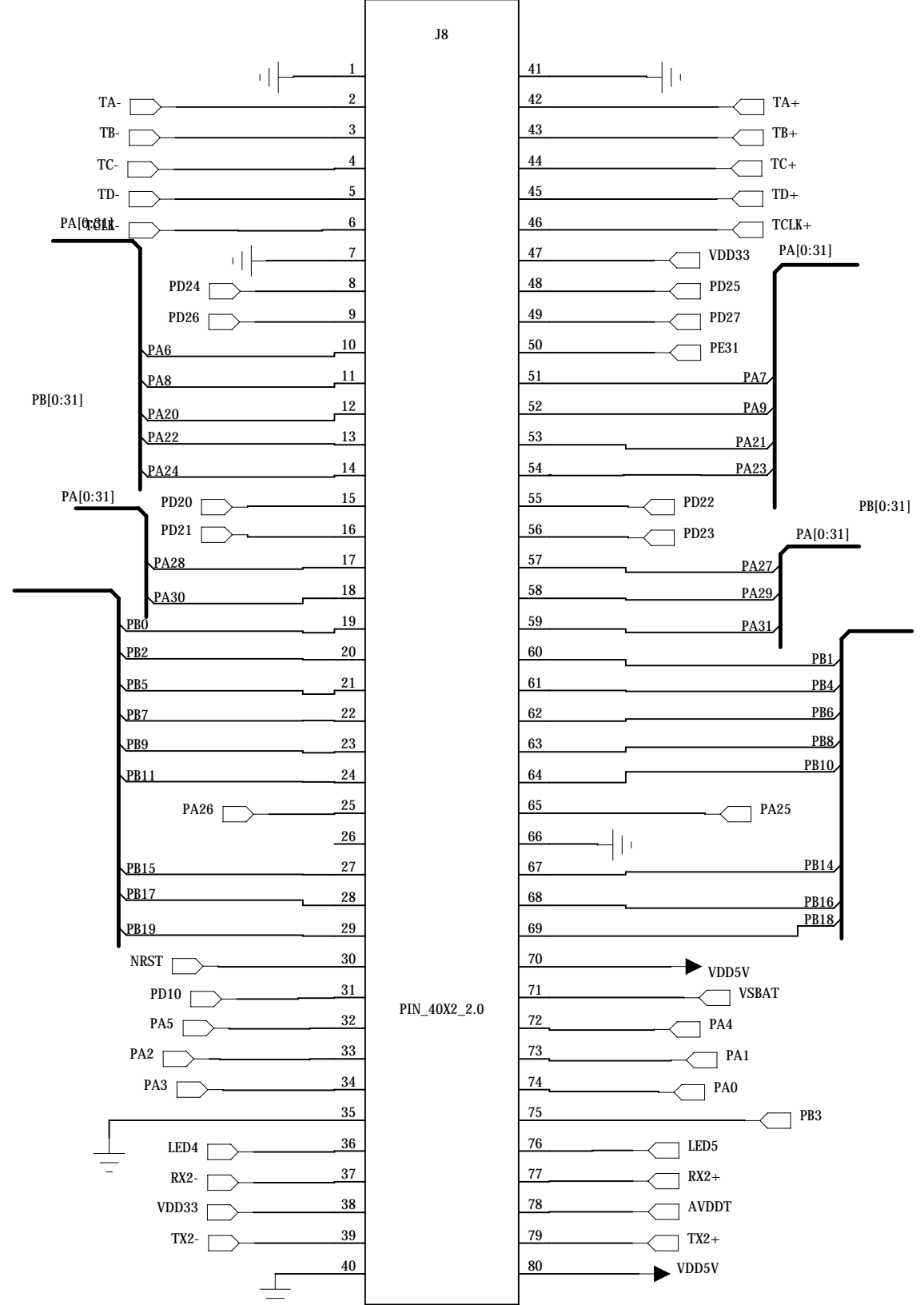
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COMPANY: Timll Technic inc.		
TITLE: MINI6045 100102		
P/N: <CODE>	REV: 1.0	
Design by: wuxiang	Checked by: YANGYK	Approved by: YANGYK
DATED: 2010/10/25	DATED: 2010/10/25	DATED: 2010/10/25
SCALE: <SCALE>	SIZE: A2	SHEET: 11 OF 11