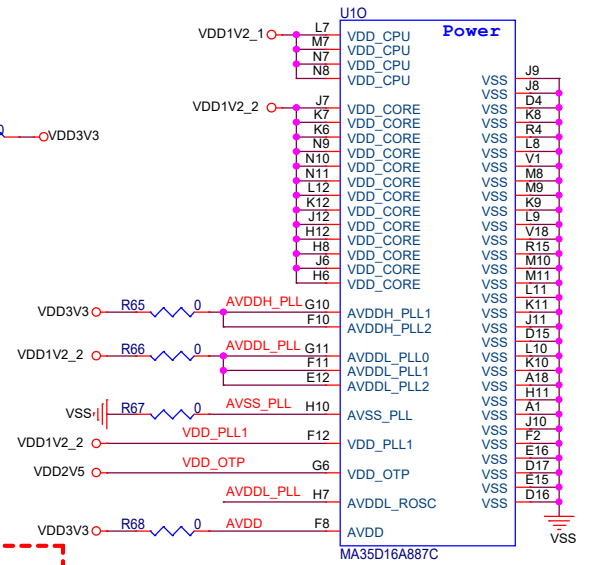
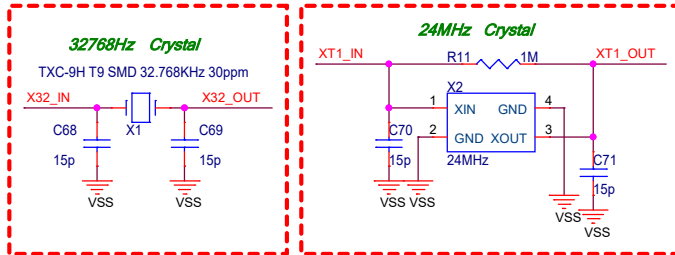


nuvoTon Technology Corp.			
Title			
NuMaker-SOM-MA35D16A8 (BGA312)			
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<b>Title</b> <b>NuMaker-SOM-MA35D16A8 (BGA312)</b>			
<b>Size</b> 5	<b>Document Number</b> <b>PMIC_DA9062</b>		<b>Rev</b> 2.0
<b>Date:</b> Wednesday, April 27, 2022		<b>Sheet</b> 2 <b>of</b> 9	

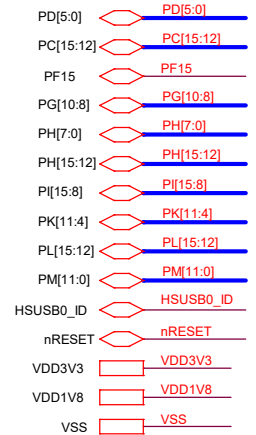
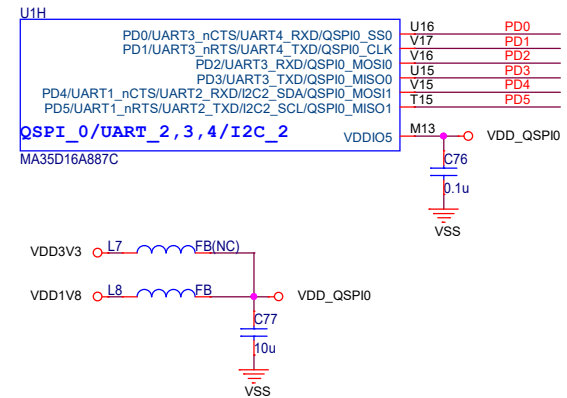
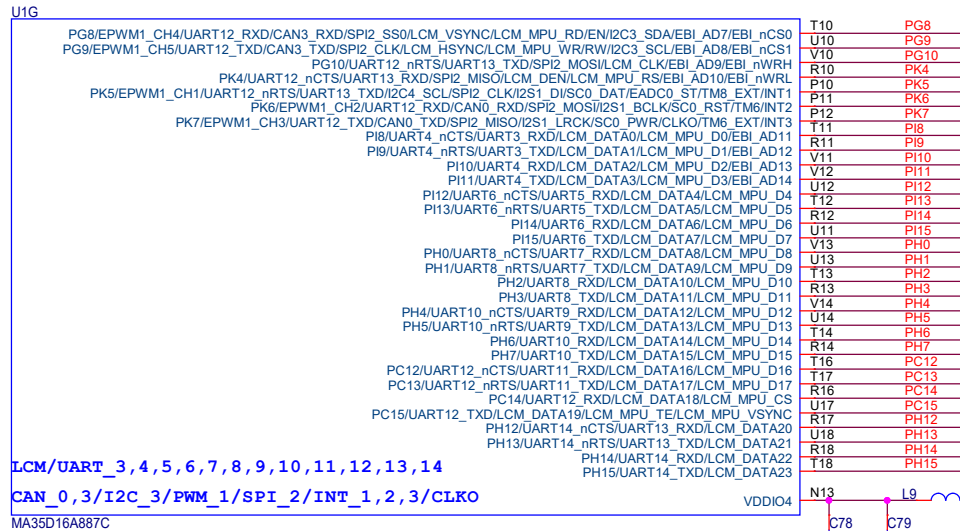
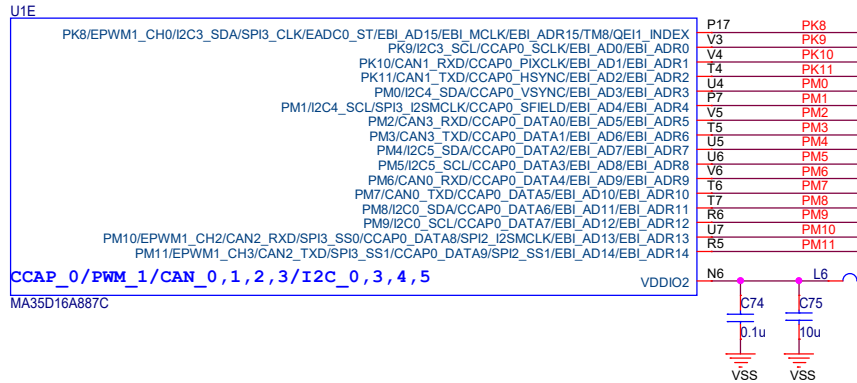
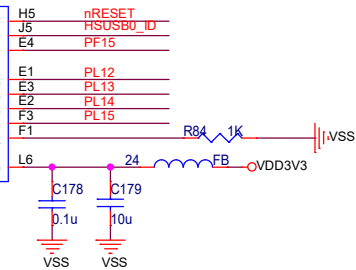
U1C

nRESET/WDT\_nRST  
HSUSB0\_ID  
PF15/HSUSB0\_VBUSVLD

PL12/EPWM0\_SYNC\_IN/UART7\_nCTS/ECAP1\_IC0/UART14\_RXD/SPI0\_SS0/I2S1\_LRCK/SC1\_CLK/EBI\_AD0/HSUSBH\_PWREN/I2C2\_SDA/TM0/EPWM0\_CH2/EBI\_AD11/RGMII0\_PPS/RMII0\_PPS  
PL13/EPWM0\_SYNC\_OUT/UART7\_nRTS/ECAP1\_IC1/UART14\_TXD/SPI0\_CLK/I2S1\_BCLK/SC1\_DAT/EBI\_AD1/HSUSBH\_OVC/I2C2\_SCL/TM0\_EXT/EPWM0\_CH3/EBI\_AD12/RGMII1\_PPS/RMII1\_PPS  
PL14/EPWM0\_CH2/UART7\_RXD/CAN1\_RXD/SPI0\_MOSI/I2S1\_DI/SC1\_RST/EBI\_AD2/TM2/INT0/EBI\_AD13  
PL15/EPWM0\_CH1/UART7\_TXD/TRACE\_CLK/CAN1\_TXD/SPI0\_MISO/I2S1\_DO/SC1\_PWR/EBI\_AD3/TM2\_EXT/INT2/EBI\_AD14  
JTAGSEL

nRESET/HSUSB0\_ID,VBUSVLD/HSUSBH\_PWREN,OVC/PWM\_0/UART\_7,14/CAN\_1/SPI\_0/SC\_1/I2C\_2/INT\_0,2

MA35D16A887C



PA0/UART1_nCTS/UART1_RXD/NAND_DATA0/EBI_ADO/EBI_ADRO	G3	PA0	NAND_DATA0
PA1/UART1_nRTS/UART16_TXD/NAND_DATA1/EBI_ADI/EBI_ADRI	H3	PA1	NAND_DATA1
PA2/UART1_RXD/NAND_DATA2/EBI_ADI/EBI_ADRI	K1	PA2	NAND_DATA2
PA3/UART1_TXD/NAND_DATA3/EBI_ADI/EBI_ADRI	F4	PA3	NAND_DATA3
PA4/UART3_nCTS/UART2_RXD/NAND_DATA4/EBI_ADI/EBI_ADRI	K2	PA4	NAND_DATA4
PA5/UART3_nRTS/UART2_TXD/NAND_DATA5/EBI_ADI/EBI_ADRI	G4	PA5	NAND_DATA5
PA6/UART3_RXD/NAND_DATA6/EBI_ADI/EBI_ADRI	K3	PA6	NAND_DATA6
PA7/UART3_TXD/NAND_DATA7/EBI_ADI/EBI_ADRI	H4	PA7	NAND_DATA7
PA8/UART5_nCTS/UART4_RXD/NAND_RDY0/EBI_ADI/EBI_ADRI	J4	PA8	NAND_RDY
PA9/UART5_nRTS/UART4_TXD/NAND_nRE/EBI_ADI/EBI_ADRI	K3	PA9	NAND_nRE
PA10/UART5_RXD/NAND_nRDY0/EBI_ADI/EBI_ADRI	K5	PA10	NAND_nRDY
PA11/UART5_TXD/NAND_CLE/EBI_ADI/EBI_ADRI	L2	PA11	NAND_CLE
PA12/UART7_nCTS/UART8_RXD/NAND_ALE/EBI_ADI/EBI_ADRI	K4	PA12	NAND_ALE
PA13/UART7_nRTS/UART8_TXD/NAND_nWP/EBI_ADI/EBI_ADRI	L1	PA13	NAND_nCS
PA14/UART7_RXD/CAN3_RXD/NAND_nPO/EBI_ADI/EBI_ADRI	M5	PA14	NAND_nWP

M2	PG0	PMIC_nIRQ
G15	PA15	
M1	PG1	
L3	PG2	
M4	PG3	
L4	PG4	
M3	PG5	
L5	PG6	
N4	PG7	

P4	PG11	
P2	PG12	
R2	PG13	
R1	PG14	
P3	PG15	
U1	PD6	PMIC_I2C0_SD
R3	PD7	PMIC_I2C0_SC
U2	PD8	
V2	PD9	
U3	PD10	
T3	PD11	

M18	PL0
N18	PL1
P18	PL2
L18	PL3
K18	PL4
J18	PL5

K15	PI0
H15	PI1
J15	PI2
L15	PI3

H17	PL6
J17	PL7
K17	PL8
L17	PL9
M17	PL10
N17	PL11

K16	PK2
J16	PK3
L16	PJ12
M16	PJ13
P16	PJ14
N16	PJ15

N15	PI4
M15	PI5
F16	PI6
P15	PI7
H16	PK0
G16	PK1

M14	PD12
G14	PD13
L14	PD14
F15	PD15
N3	PM12
N1	PM13
N2	PM14
P1	PM15

T1	PE14
T2	PE15

PG0	Secure Boot	Power	
L	Secure Boot Enable		
H	Secure Boot Disable		

PG1	Boot Source	QSPI0, SD/eMMC I/O Voltage
L	3.3V	
H	1.8V	

PG3	PG2	Boot Source
L	L	QSPI0 Flash
L	H	SD/eMMC
H	L	NAND Flash
H	H	USB

PG7	PG6	Bootling from QSPI0
L	L	SPI-NAND, 1-bit
L	H	SPI-NAND, 4-bit
H	L	SPI-NOR, 1-bit
H	H	SPI-NOR, 4-bit

PG7	Booting from SD/eMMC
L	eMMC 4-bit booting
H	eMMC 8-bit booting

PG4	Booting from USB
L	USBD booting
H	USBH booting

PG5	Booting from USBH
L	USBH port 0 booting
H	USBH port 1 booting

PG6	Booting from USBH
L	Over-current low-active detect
H	Over-current high-active detect

PD[15:6] PD[15:6]

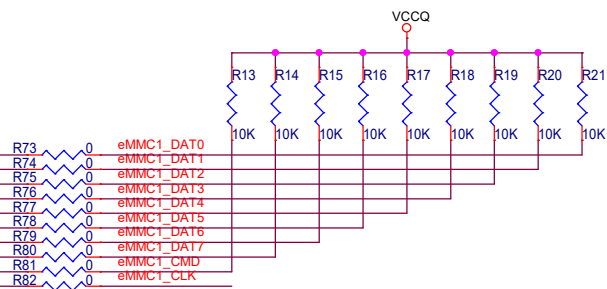
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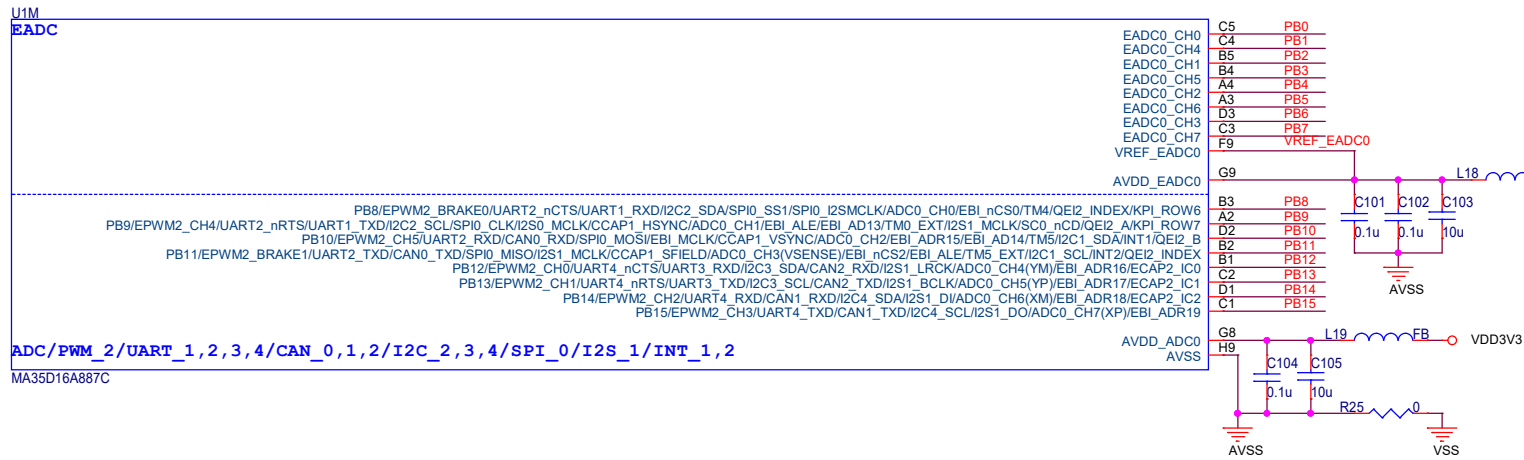
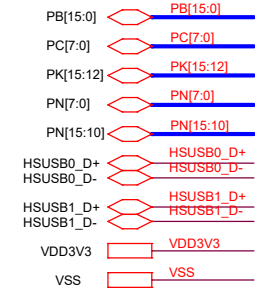
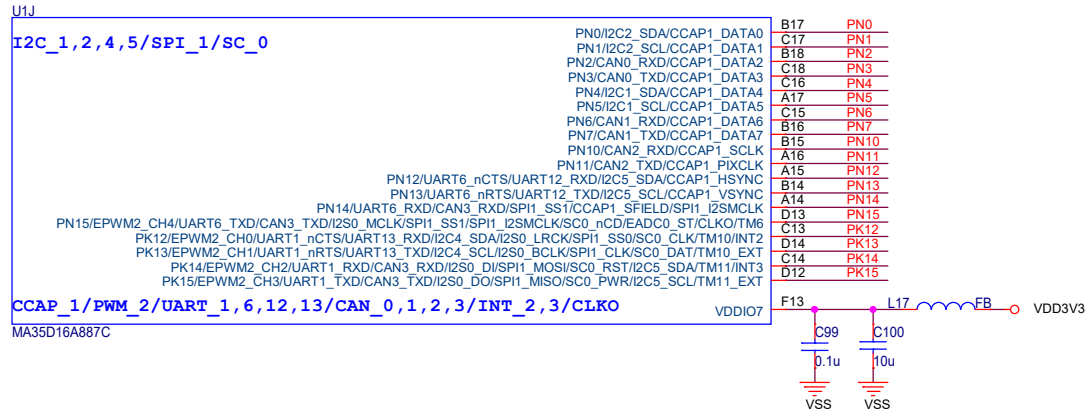
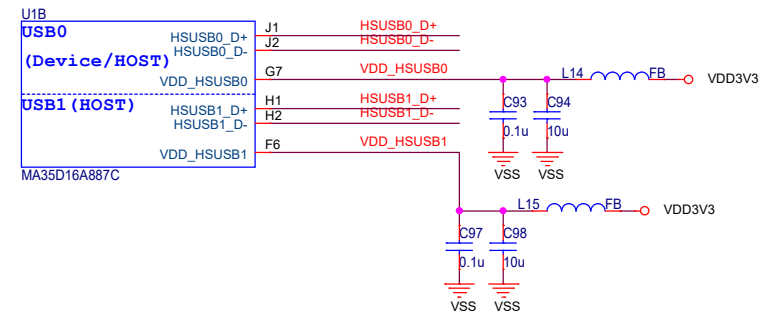
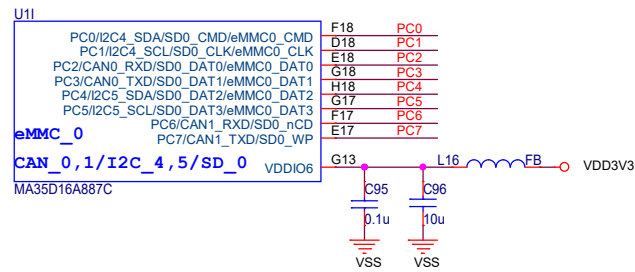
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VDD3V3

<b>nuvoTon Technology Corp.</b>			
<b>Title</b> <b>NuMaker-SOM-MA35D16A8 (BGA312)</b>			
<b>Size B</b>	<b>Document Number</b> <b>VDDIO1</b>	<b>Rev</b> <b>2.0</b>	
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CCAP_1 PE0/UART9_nCTS/UART8_RXD/CCAP1_DATA0/RGMII0_MDC/RMII0_MDC
PE1/UART9_nRTS/UART8_TXD/CCAP1_DATA1/RGMII0_MDIO/RMII0_MDIO
PE2/UART9_RXD/CCAP1_DATA2/RGMII0_TXCTL/RMII0_TXE
PE3/UART9_TXD/CCAP1_DATA3/RGMII0_TXD0/RMII0_TXD0
PE4/UART4_nCTS/UART3_RXD/CCAP1_DATA4/RGMII0_TXD1/RMII0_TXD1
PE5/UART4_nRTS/UART3_TXD/CCAP1_DATA5/RGMII0_RXCLK/RMII0_REFCLK
PE6/UART4_RXD/CCAP1_DATA6/RGMII0_RXCTL/RMII0_CRSDV
PE7/UART4_TXD/CCAP1_DATA7/RGMII0_RXD0/RMII0_RXD0
PE8/UART13_nCTS/UART12_RXD/CCAP1_SCLK/RGMII0_RXD1/RMII0_RXD1
PE9/UART13_nRTS/UART12_TXD/CCAP1_PIXCLK/RGMII0_RXD2/RMII0_RXERR
PE10/UART15_nCTS/UART14_RXD/SP11_S0/CCAP1_HSYNCR/RGMII0_TXCLK
PE11/UART15_nRTS/UART14_TXD/SP11_CLK/CCAP1_VSYNCR/RGMII0_TXCLK
PE12/UART15_RXD/SP11_MISO/CCAP1_DATA8/RGMII0_TXD2
PE13/UART15_TXD/SP11_MISO/CCAP1_DATA9/RGMII0_TXD3

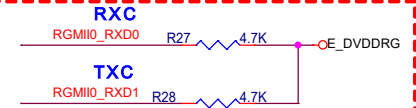
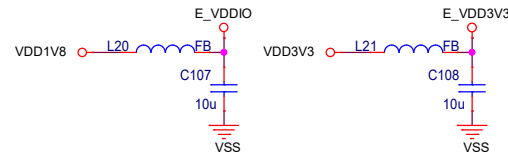
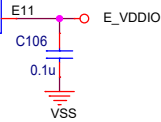
SPI_1

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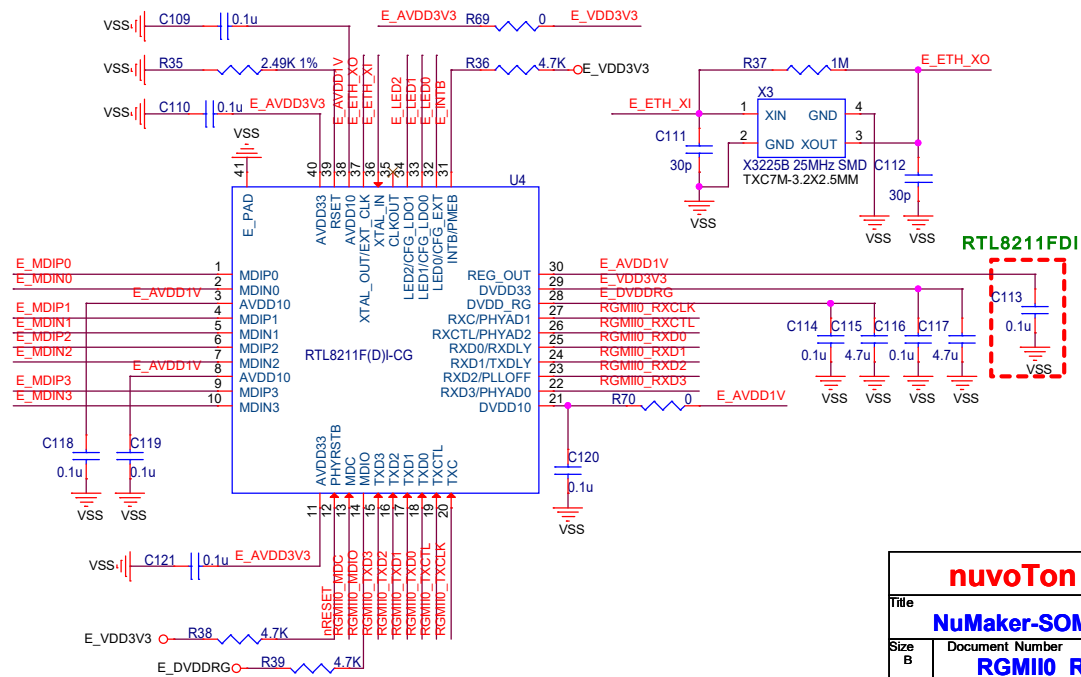
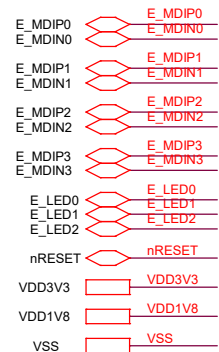
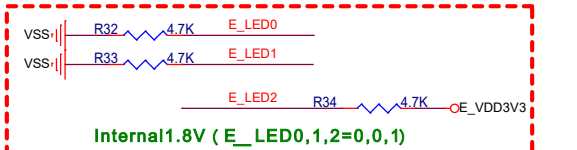
VDDIO8

MA35D16A887C
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B12	PE1	RGMI0_MDIO
A12	PE2	RGMI0_TXCTL
D11	PE3	RGMI0_TXD0
C11	PE4	RGMI0_TXD1
A11	PE5	RGMI0_RXCLK
B11	PE6	RGMI0_RXCTL
C10	PE7	RGMI0_RXD0
A10	PE8	RGMI0_RXD1
B10	PE9	RGMI0_RXD2
D10	PE10	RGMI0_RXD3
A9	PE11	RGMI0_TXCLK
B9	PE12	RGMI0_TXD2
C9	PE13	RGMI0_TXD3

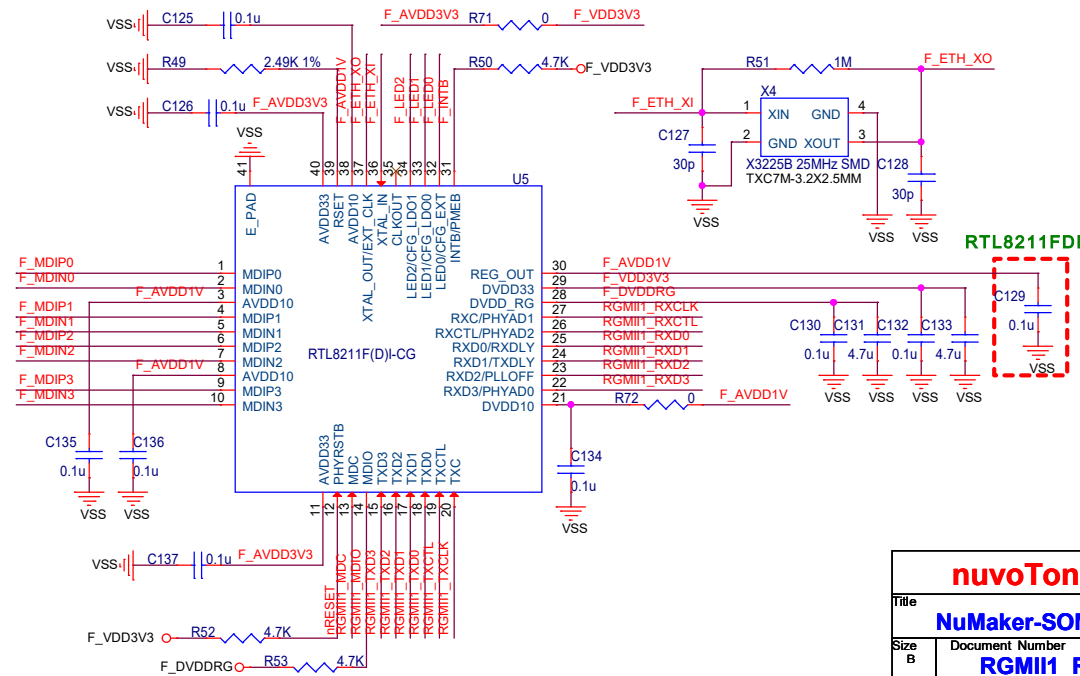
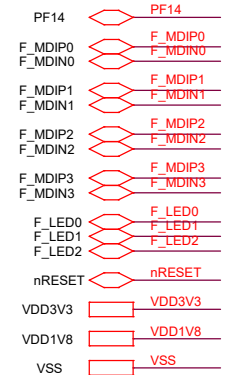
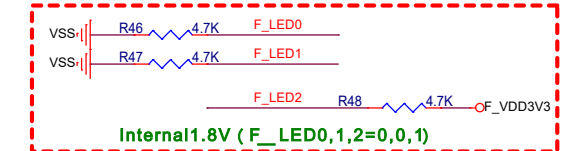
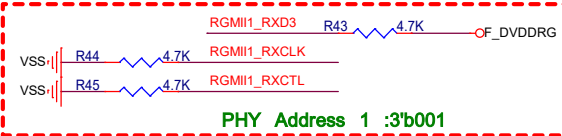
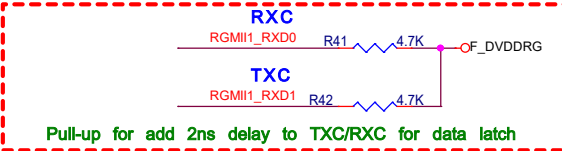
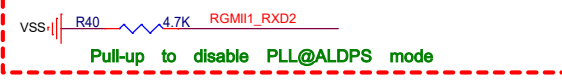
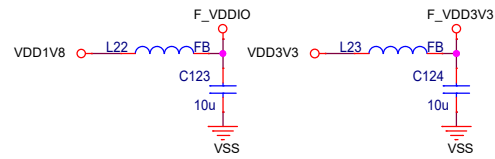
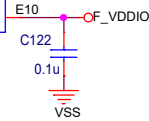
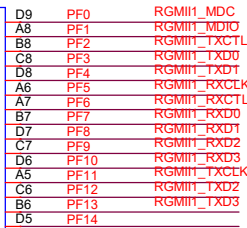
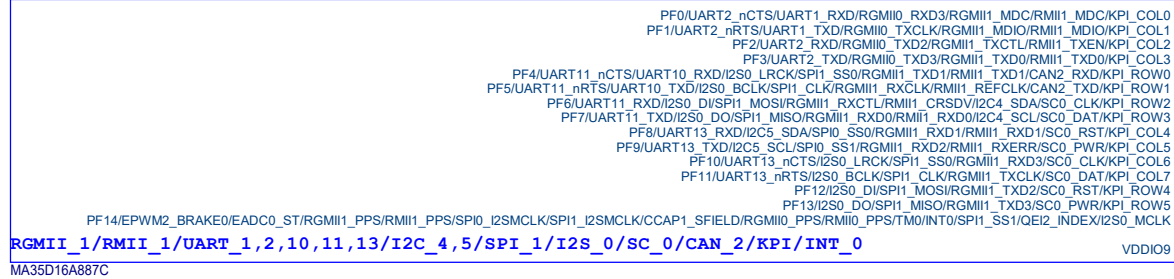


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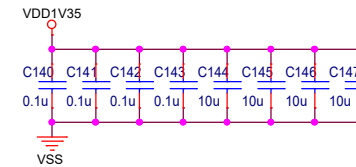
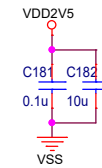
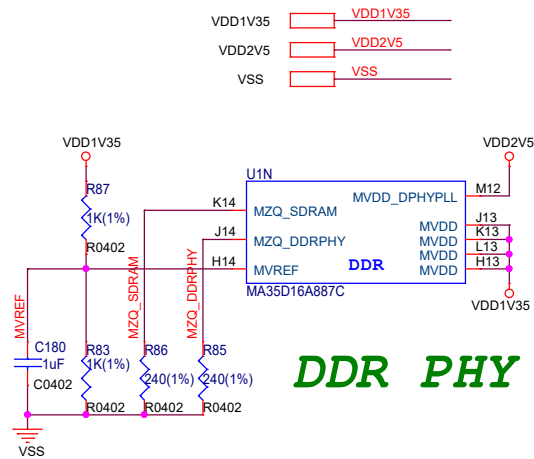
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Title			
NuMaker-SOM-MA35D16A8 (BGA312)			
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	RGMII0_RTL8211F(D) (VDDIO8)	2.0	
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