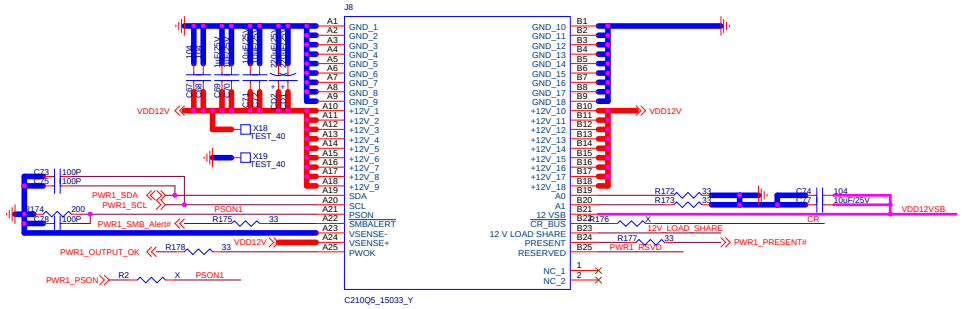
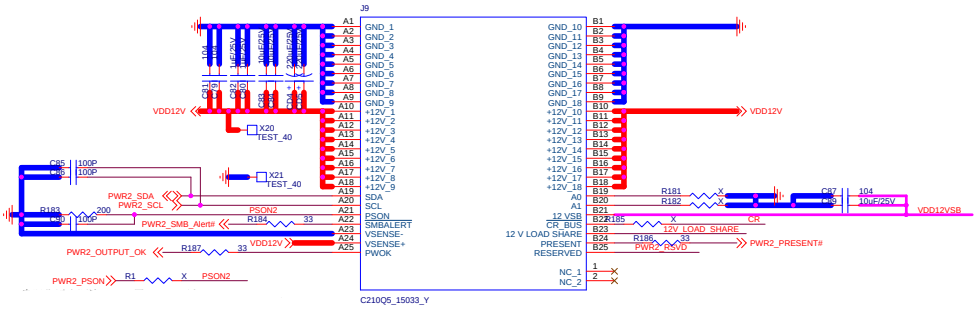
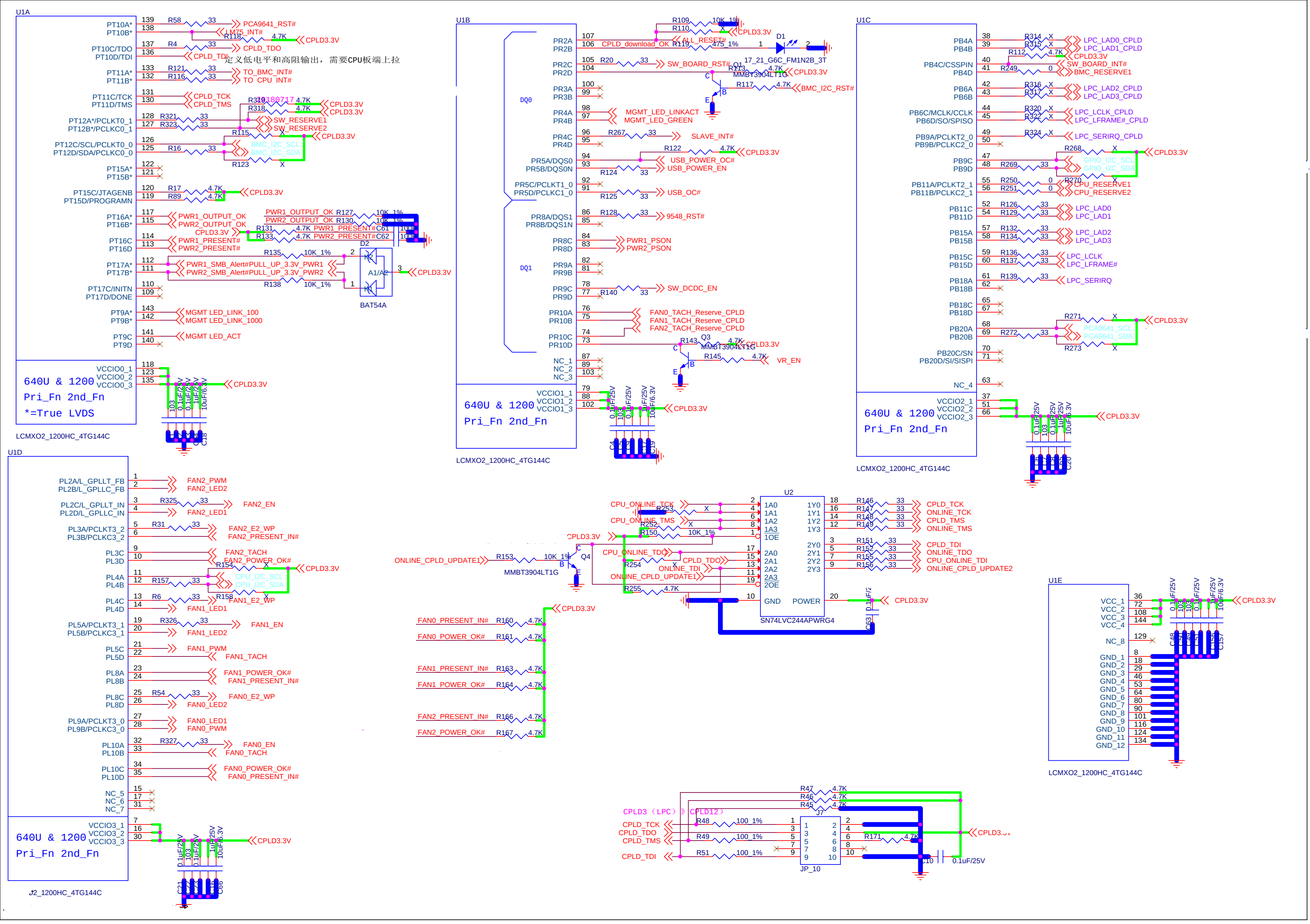
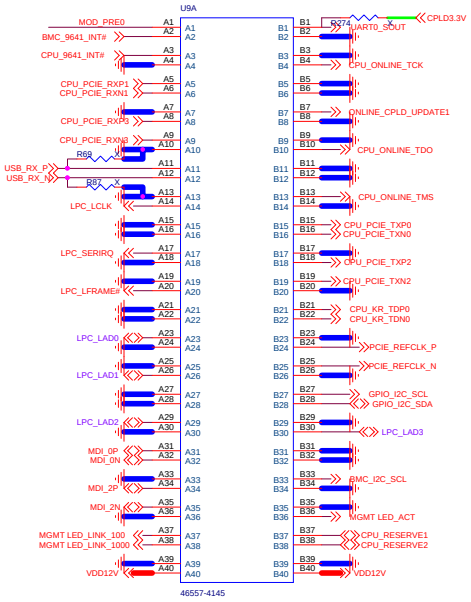
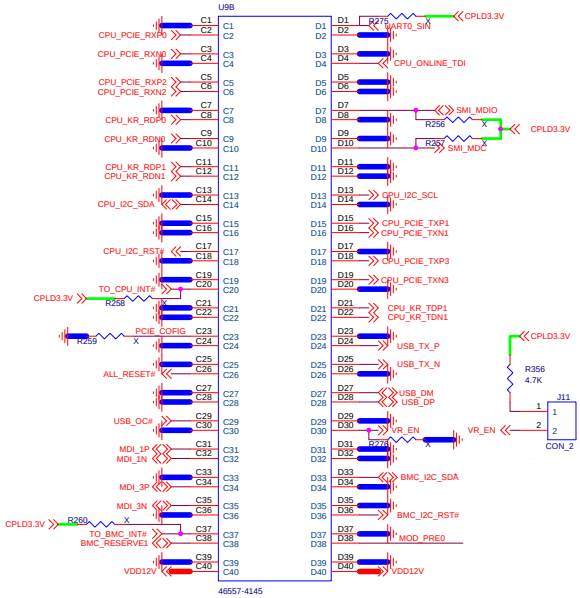


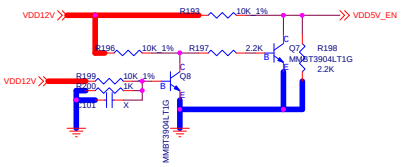


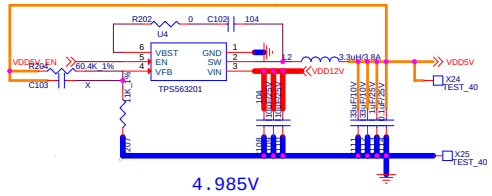
Output Connector Pin Configuration			
Pin	Name	Pin	Name
A1-A9	GND	B1-B9	GND
A10-A18	+12 V	B10-B18	+12 V
A19	SDA	B19	A0 (SMBus address)
A20	SCL	B20	A1 (SMBus address)
A21	PSON	B21	12 VSB
A22	SMBAlert#	B22	CR_BUS#
A23	-VSENSE	B23	12 V load share
A24	+VSENSE	B24	Present
A25	PWOK	B25	Reserved


U1A
PT10A* PT10B*
PT10C/TDO PT10D/TDI
PT11A* PT11B*
PT11C/TCK PT11D/TMS
PT12A*/PCLKT0_1 PT12B*/PCLKC0_1
PT12C/SCL/PCLKT0_0 PT12D/SDA/PCLKC0_0
PT15A* PT15B*
PT15C/JTAGENB PT15D/PROGRAMN
PT16A* PT16B*
PT16C PT16D
PT17A* PT17B*
PT17C/INITN PT17D/DONE
PT9A* PT9B*
PT9C PT9D
VCCIO0_1 VCCIO0_2 VCCIO0_3
640U & 1200
Pri_Fn 2nd_Fn
*=True LVDS
LCMXO2_1200HC_4TG144C
PCA9641_RST#
LM75_INT#
CPLD3.3V
CPLD_TDO
CPLD_TDI
定义低电平和高阻输出，需要CPU板端上拉
TO_BMC_INT#
TO_CPU_INT#
CPLD_TCK
CPLD_TMS
SW_RESERVE1
SW_RESERVE2
BMC_I2C_SCL
BMC_I2C_SDA
PWR1_OUTPUT_OK
PWR2_OUTPUT_OK
PWR1_PRESENT#
PWR2_PRESENT#
PWR1_SMB_Alert#PULL_UP_3.3V_PWR1
PWR2_SMB_Alert#PULL_UP_3.3V_PWR2
BAT54A
MGMT LED_LINK_100
MGMT LED_LINK_1000
MGMT LED_ACT
U1B
PR2A PR2B
PR2C PR2D
PR3A PR3B
PR4A PR4B
PR4C PR4D
PR5A/DQS0 PR5B/DQS0N
PR5C/PCLKT1_0 PR5D/PCLKC1_0
PR8A/DQS1 PR8B/DQS1N
PR8C PR8D
PR9A PR9B
PR9C PR9D
PR10A PR10B
PR10C PR10D
NC_1 NC_2 NC_3
DQ0
DQ1
VCCIO1_1 VCCIO1_2 VCCIO1_3
640U & 1200
Pri_Fn 2nd_Fn
LCMXO2_1200HC_4TG144C
CPLD_download_OK
ALL_RESET#
SW_BOARD_RST#
MMBT3904LT1G
BMC_I2C_RST#
MGMT_LED_LINKACT
MGMT_LED_GREEN
SLAVE_INT#
USB_POWER_OC#
USB_POWER_EN
USB_OC#
9548_RST#
PWR1_PSON
PWR2_PSON
SW_DCDC_EN
FAN0_TACH_Reserve_CPLD
FAN1_TACH_Reserve_CPLD
FAN2_TACH_Reserve_CPLD
VR_EN
U1C
PB4A PB4B
PB4C/CSSPIN PB4D
PB6A PB6B
PB6C/MCLK/CCLK PB6D/SO/SPISO
PB9A/PCLKT2_0 PB9B/PCLKC2_0
PB9C PB9D
PB11A/PCLKT2_1 PB11B/PCLKC2_1
PB11C PB11D
PB15A PB15B
PB15C PB15D
PB18A PB18B
PB18C PB18D
PB20A PB20B
PB20C/SN PB20D/SI/SISPI
NC_4
VCCIO2_1 VCCIO2_2 VCCIO2_3
640U & 1200
Pri_Fn 2nd_Fn
LCMXO2_1200HC_4TG144C
LPC_LAD0_CPLD
LPC_LAD1_CPLD
SW_BOARD_INT#
BMC_RESERVE1
LPC_LAD2_CPLD
LPC_LAD3_CPLD
LPC_LCLK_CPLD
LPC_LFRAME#_CPLD
LPC_SERIRQ_CPLD
GPIO_I2C_SCL
GPIO_I2C_SDA
CPU_RESERVE1
CPU_RESERVE2
LPC_LAD0
LPC_LAD1
LPC_LAD2
LPC_LAD3
LPC_LCLK
LPC_LFRAME#
LPC_SERIRQ
PCA9641_SCL
PCA9641_SDA
U1D
PL2A/L_GPLLT_FB PL2B/L_GPLLC_FB
PL2C/L_GPLLT_IN PL2D/L_GPLLC_IN
PL3A/PCLKT3_2 PL3B/PCLKC3_2
PL3C PL3D
PL4A PL4B
PL4C PL4D
PL5A/PCLKT3_1 PL5B/PCLKC3_1
PL5C PL5D
PL8A PL8B
PL8C PL8D
PL9A/PCLKT3_0 PL9B/PCLKC3_0
PL10A PL10B
PL10C PL10D
NC_5 NC_6 NC_7
VCCIO3_1 VCCIO3_2 VCCIO3_3
640U & 1200
Pri_Fn 2nd_Fn
FAN2_PWM
FAN2_LED2
FAN2_EN
FAN2_LED1
FAN2_E2_WP
FAN2_PRESENT_IN#
FAN2_TACH
FAN2_POWER_OK#
CPU_I2C_SCL
CPU_I2C_SDA
FAN1_E2_WP
FAN1_LED1
FAN1_EN
FAN1_LED2
FAN1_PWM
FAN1_TACH
FAN1_POWER_OK#
FAN1_PRESENT_IN#
FAN0_E2_WP
FAN0_LED2
FAN0_LED1
FAN0_PWM
FAN0_EN
FAN0_TACH
FAN0_POWER_OK#
FAN0_PRESENT_IN#
FAN0_PRESENT_IN#
FAN0_POWER_OK#
FAN1_PRESENT_IN#
FAN1_POWER_OK#
FAN2_PRESENT_IN#
FAN2_POWER_OK#
ONLINE_CPLD_UPDATE1
MMBT3904LT1G
U2
1A0 1A1 1A2 1A3 1OE
2A0 2A1 2A2 2A3 2OE
1Y0 1Y1 1Y2 1Y3
2Y0 2Y1 2Y2 2Y3
GND POWER
SN74LVC244APWRG4
CPU_ONLINE_TCK
CPU_ONLINE_TMS
CPU_ONLINE_TDO
CPLD_TDO
ONLINE_TDI
ONLINE_CPLD_UPDATE1
CPLD_TCK
ONLINE_TCK
CPLD_TMS
ONLINE_TMS
CPLD_TDI
ONLINE_TDO
CPU_ONLINE_TDI
ONLINE_CPLD_UPDATE2
U1E
VCC_1 VCC_2 VCC_3 VCC_4
NC_8
GND_1 GND_2 GND_3 GND_4 GND_5 GND_6 GND_7 GND_8 GND_9 GND_10 GND_11 GND_12
LCMXO2_1200HC_4TG144C
CPLD3（LPC）-CPLD12
CPLD_TCK
CPLD_TDO
CPLD_TMS
CPLD_TDI
JP_10
0.1uF/25V

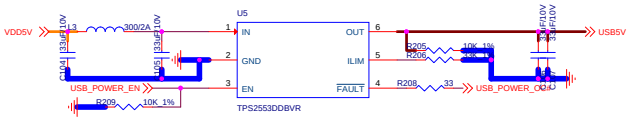

U9A
MOD_PRE0 A1
BMC_9641_INT# A2
CPU_9641_INT# A3 A4
CPU_PCIE_RXP1 A5
CPU_PCIE_RXN1 A6
A7
CPU_PCIE_RXP3 A8
CPU_PCIE_RXN3 A9 A10
R69
USB_RX_P A11
USB_RX_N A12
R87 X
A13
LPC_LCLK A14
A15 A16
LPC_SERIRQ A17 A18
A19
LPC_LFRAME# A20
A21 A22
LPC_LAD0 A23 A24
A25
LPC_LAD1 A26
A27 A28
LPC_LAD2 A29 A30
MDI_0P A31
MDI_0N A32
A33
MDI_2P A34
MDI_2N A35 A36
A37
MGMT LED_LINK_100 A38
MGMT LED_LINK_1000
A39
VDD12V A40
B1 B2 R274 0 CPLD3.3V
UART0_SOUT
B3 B4 CPU_ONLINE_TCK
B5 B6
B7 B8 ONLINE_CPLD_UPDATE1
B9 B10 CPU_ONLINE_TDO
B11 B12
B13 B14 CPU_ONLINE_TMS
B15 B16 CPU_PCIE_TXP0
CPU_PCIE_TXN0
B17 B18 CPU_PCIE_TXP2
B19 B20 CPU_PCIE_TXN2
B21 B22 CPU_KR_TDP0
CPU_KR_TDN0
B23 B24 PCIE_REFCLK_P
B25 B26 PCIE_REFCLK_N
B27 B28 GPIO_I2C_SCL
GPIO_I2C_SDA
B29 B30 LPC_LAD3
B31 B32
B33 B34 BMC_I2C_SCL
B35 B36 MGMT LED_ACT
B37 B38 CPU_RESERVE1
CPU_RESERVE2
B39 B40 VDD12V
46557-4145

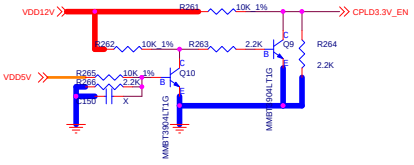

U9B
C1 C2
CPU_PCIE_RXP0
C3 C4
CPU_PCIE_RXN0
C5 C6
CPU_PCIE_RXP2
CPU_PCIE_RXN2
C7 C8
CPU_KR_RDP0
C9 C10
CPU_KR_RDN0
C11 C12
CPU_KR_RDP1
CPU_KR_RDN1
C13 C14
CPU_I2C_SDA
C15 C16
C17 C18
CPU_I2C_RST#
C19 C20
TO_CPU_INT#
CPLD3.3V R258 X
C21 C22
PCIE_CONFIG C23 C24
R259 X
C25 C26
ALL_RESET#
C27 C28
C29 C30
USB_OC#
C31 C32
MDI_1P
MDI_1N
C33 C34
MDI_3P
C35 C36
MDI_3N
CPLD3.3V R260 X
C37 C38
TO_BMC_INT#
BMC_RESERVE1
C39 C40
VDD12V
D1 D2 R275 0 CPLD3.3V
UART0_SIN
D3 D4 CPU_ONLINE_TDI
D5 D6
D7 D8 SMI_MDIO
R256 X
D9 D10 R257 X SMI_MDC
CPLD3.3V
D11 D12
D13 D14 CPU_I2C_SCL
D15 D16 CPU_PCIE_TXP1
CPU_PCIE_TXN1
D17 D18 CPU_PCIE_TXP3
D19 D20 CPU_PCIE_TXN3
D21 D22 CPU_KR_TDP1
CPU_KR_TDN1
D23 D24 USB_TX_P
D25 D26 USB_TX_N
D27 D28 USB_DM
USB_DP
D29 D30 VR_EN
D31 D32 R277 X
D33 D34 BMC_I2C_SDA
D35 D36 BMC_I2C_RST#
D37 D38 MOD_PRE0
D39 D40 VDD12V
46557-4145
CPLD3.3V
R356
4.7K
J11
1
2
VR_EN
CON_2

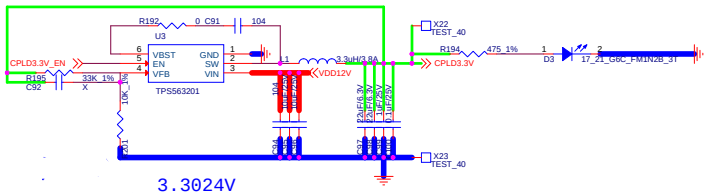




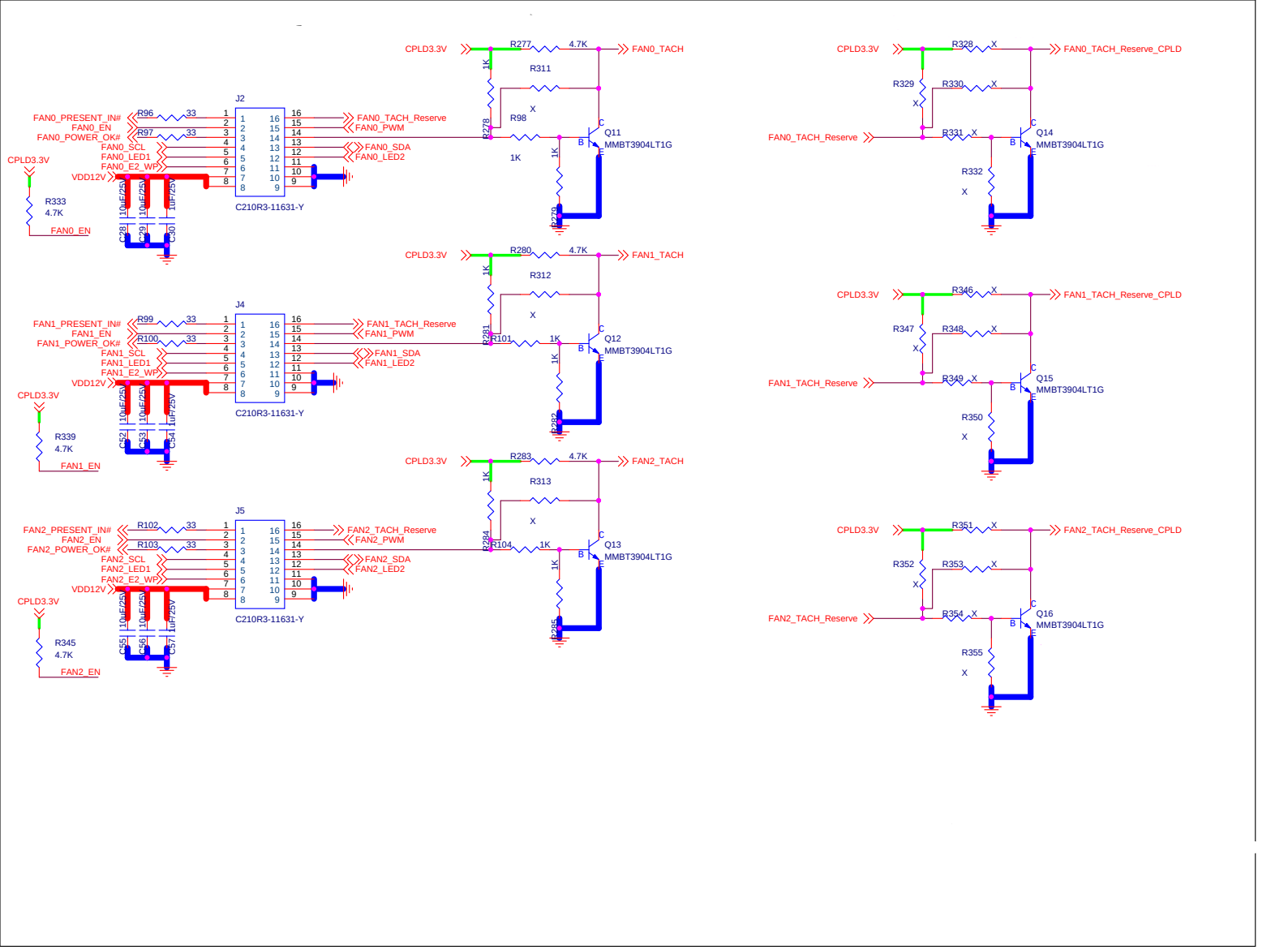
4.985V



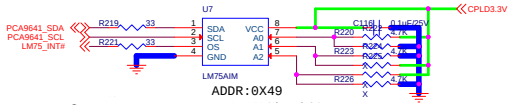




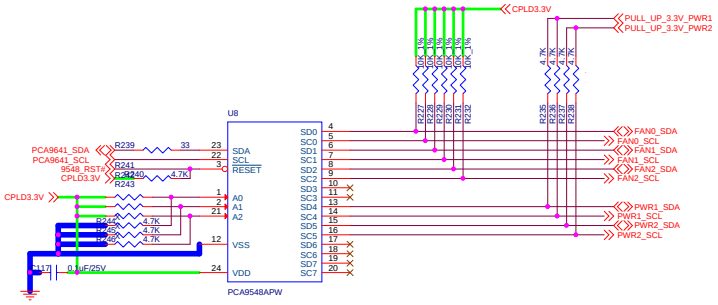
3.3024V


J2
FAN0_PRESENT_IN#
FAN0_EN
FAN0_POWER_OK#
FAN0_SCL
FAN0_LED1
FAN0_E2_WP
VDD12V
R96
R97
33
CPLD3.3V
R333
4.7K
FAN0_EN
C28
C29
C30
10uF/25V
C210R3-11631-Y
FAN0_TACH_Reserve
FAN0_PWM
FAN0_SDA
FAN0_LED2
R277
4.7K
FAN0_TACH
R278
1K
R311
R98
X
Q11
MMBT3904LT1G
R279
J4
FAN1_PRESENT_IN#
FAN1_EN
FAN1_POWER_OK#
FAN1_SCL
FAN1_LED1
FAN1_E2_WP
R99
R100
R339
FAN1_EN
C52
C53
C54
FAN1_TACH_Reserve
FAN1_PWM
FAN1_SDA
FAN1_LED2
R280
FAN1_TACH
R281
R312
R101
Q12
R282
J5
FAN2_PRESENT_IN#
FAN2_EN
FAN2_POWER_OK#
FAN2_SCL
FAN2_LED1
FAN2_E2_WP
R102
R103
R345
FAN2_EN
C55
C56
C57
FAN2_TACH_Reserve
FAN2_PWM
FAN2_SDA
FAN2_LED2
R283
FAN2_TACH
R284
R313
R104
Q13
R285
R328
FAN0_TACH_Reserve_CPLD
R329
R330
R331
R332
Q14
R346
FAN1_TACH_Reserve_CPLD
R347
R348
R349
R350
Q15
R351
FAN2_TACH_Reserve_CPLD
R352
R353
R354
R355
Q16

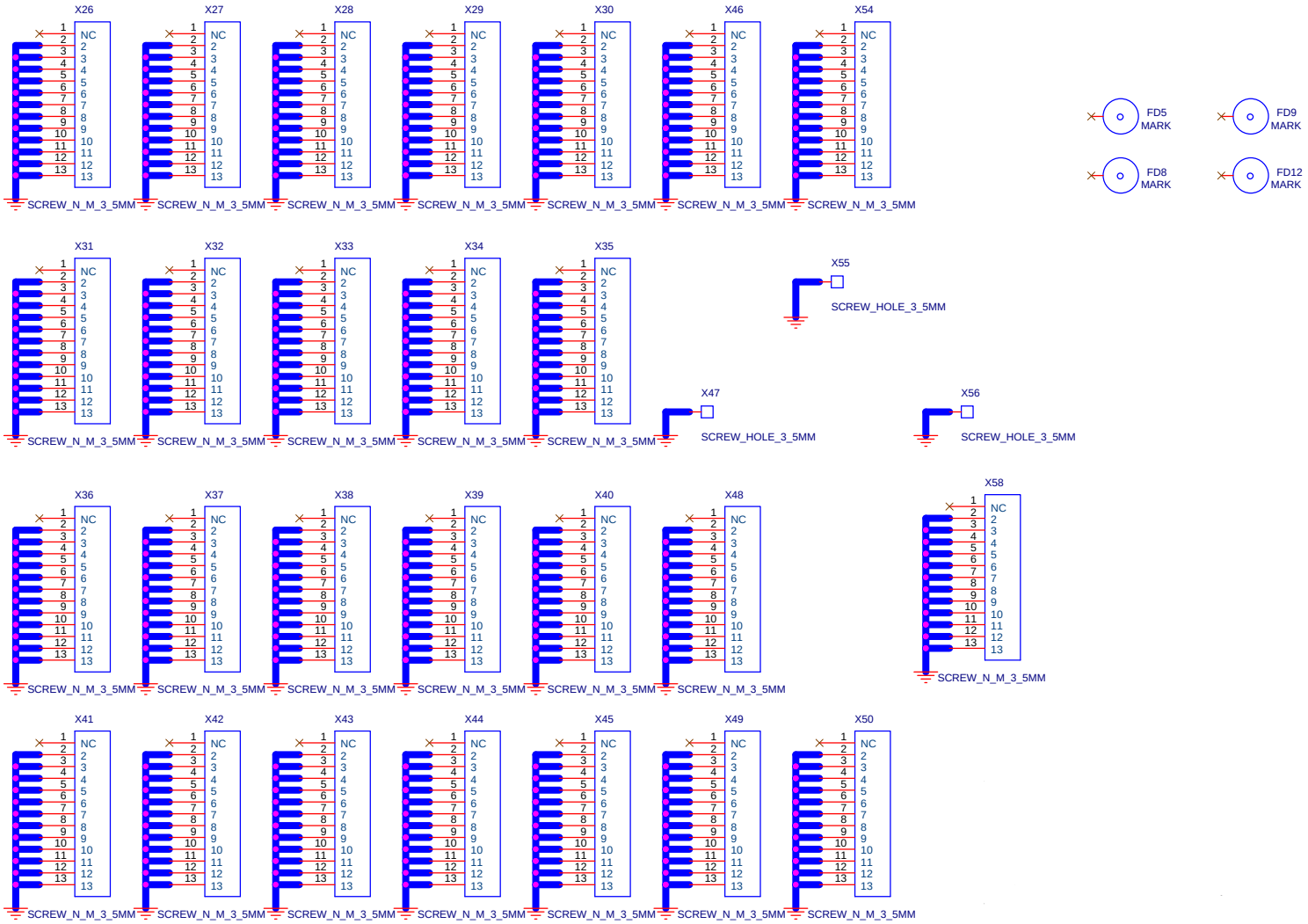
100 1XXX

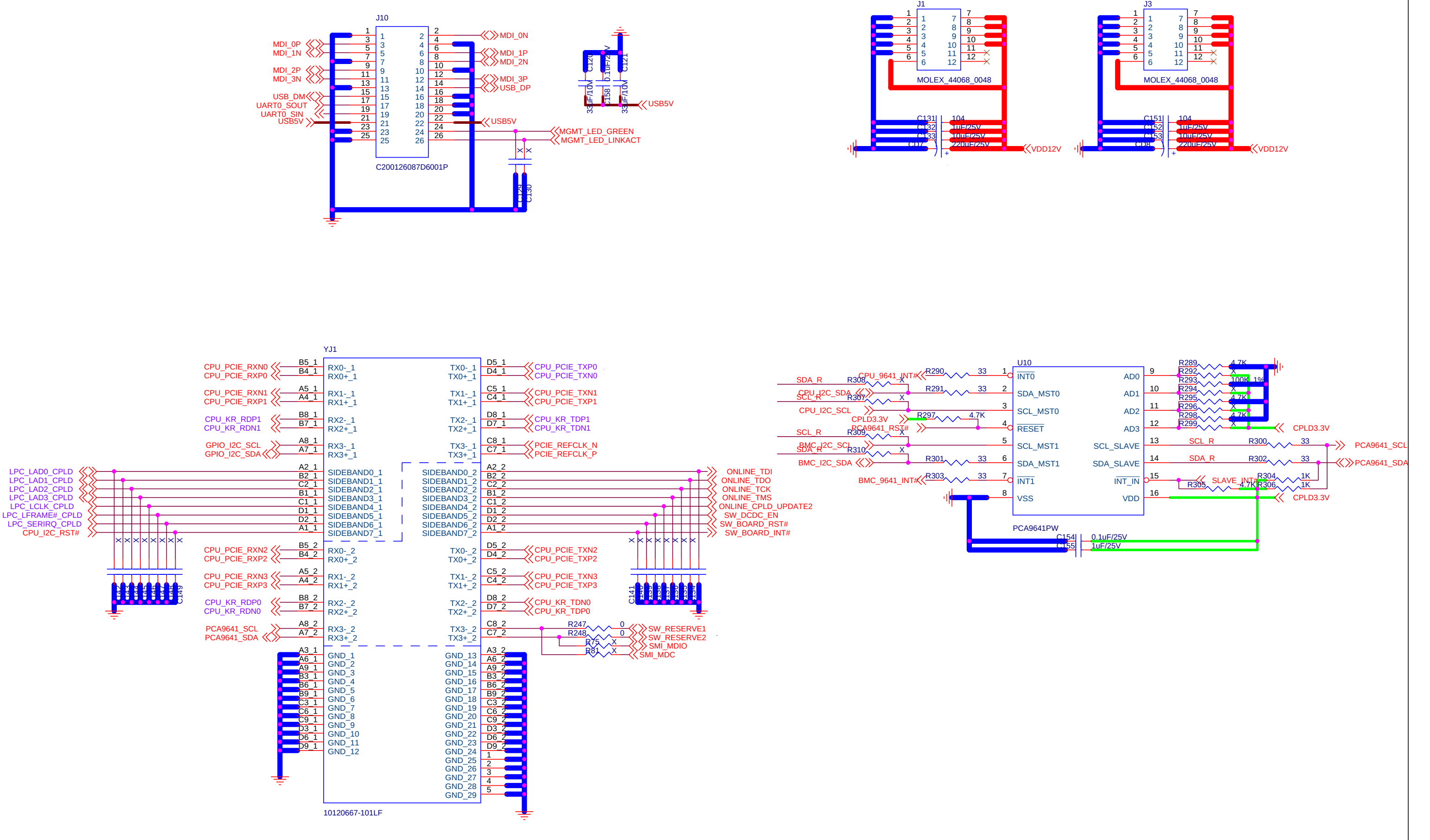


ADDR:0X49



I2C ADDRESS 0X70


X26
X27
X28
X29
X30
X46
X54
NC
SCREW_N_M_3_5MM
FD5
MARK
FD9
MARK
FD8
MARK
FD12
MARK
X31
X32
X33
X34
X35
X55
SCREW_HOLE_3_5MM
X47
X56
X36
X37
X38
X39
X40
X48
X58
X41
X42
X43
X44
X45
X49
X50


J10
C200126087D6001P
MDI_0P
MDI_1N
MDI_2P
MDI_3N
USB_DM
UART0_SOUT
UART0_SIN
USB5V
MDI_0N
MDI_1P
MDI_2N
MDI_3P
USB_DP
USB5V
MGMT_LED_GREEN
MGMT_LED_LINKACT
C129
C130
C120
C158
C121
33uF/10V
0.1uF/25V
33uF/10V
USB5V
J1
MOLEX_44068_0048
C131
C132
C133
CD7
104
1uF/25V
10uF/25V
220uF/25V
VDD12V
J3
MOLEX_44068_0048
C151
C152
C153
CD8
104
1uF/25V
10uF/25V
220uF/25V
VDD12V
YJ1
10120667-101LF
CPU_PCIE_RXN0
CPU_PCIE_RXP0
CPU_PCIE_RXN1
CPU_PCIE_RXP1
CPU_KR_RDP1
CPU_KR_RDN1
GPIO_I2C_SCL
GPIO_I2C_SDA
LPC_LAD0_CPLD
LPC_LAD1_CPLD
LPC_LAD2_CPLD
LPC_LAD3_CPLD
LPC_LCLK_CPLD
LPC_LFRAME#_CPLD
LPC_SERIRQ_CPLD
CPU_I2C_RST#
CPU_PCIE_RXN2
CPU_PCIE_RXP2
CPU_PCIE_RXN3
CPU_PCIE_RXP3
CPU_KR_RDP0
CPU_KR_RDN0
PCA9641_SCL
PCA9641_SDA
RX0-_1
RX0+_1
RX1-_1
RX1+_1
RX2-_1
RX2+_1
RX3-_1
RX3+_1
SIDEBAND0_1
SIDEBAND1_1
SIDEBAND2_1
SIDEBAND3_1
SIDEBAND4_1
SIDEBAND5_1
SIDEBAND6_1
SIDEBAND7_1
TX0-_1
TX0+_1
TX1-_1
TX1+_1
TX2-_1
TX2+_1
TX3-_1
TX3+_1
SIDEBAND0_2
SIDEBAND1_2
SIDEBAND2_2
SIDEBAND3_2
SIDEBAND4_2
SIDEBAND5_2
SIDEBAND6_2
SIDEBAND7_2
CPU_PCIE_TXP0
CPU_PCIE_TXN0
CPU_PCIE_TXN1
CPU_PCIE_TXP1
CPU_KR_TDP1
CPU_KR_TDN1
PCIE_REFCLK_N
PCIE_REFCLK_P
ONLINE_TDI
ONLINE_TDO
ONLINE_TCK
ONLINE_TMS
ONLINE_CPLD_UPDATE2
SW_DCDC_EN
SW_BOARD_RST#
SW_BOARD_INT#
CPU_PCIE_TXN2
CPU_PCIE_TXP2
CPU_PCIE_TXN3
CPU_PCIE_TXP3
CPU_KR_TDN0
CPU_KR_TDP0
R247 0
R248 0
R75 X
R81 X
SW_RESERVE1
SW_RESERVE2
SMI_MDIO
SMI_MDC
C149
C141
U10
PCA9641PW
INT0
SDA_MST0
SCL_MST0
RESET
SCL_MST1
SDA_MST1
INT1
VSS
AD0
AD1
AD2
AD3
SCL_SLAVE
SDA_SLAVE
INT_IN
VDD
SDA_R
SCL_R
CPU_9641_INT#
CPU_I2C_SDA
CPU_I2C_SCL
CPLD3.3V
PCA9641_RST#
BMC_I2C_SCL
BMC_I2C_SDA
BMC_9641_INT#
R290 33
R291 33
R297 4.7K
R301 33
R303 33
R308
R307
R309
R310
R289 4.7K
R292
R293 100K 1%
R294
R295 4.7K
R296
R298 4.7K
R299
R300 33
R302 33
R304 1K
R305 4.7K
R306 1K
SLAVE_INT#
PCA9641_SCL
PCA9641_SDA
CPLD3.3V
C154 0.1uF/25V
C155 1uF/25V