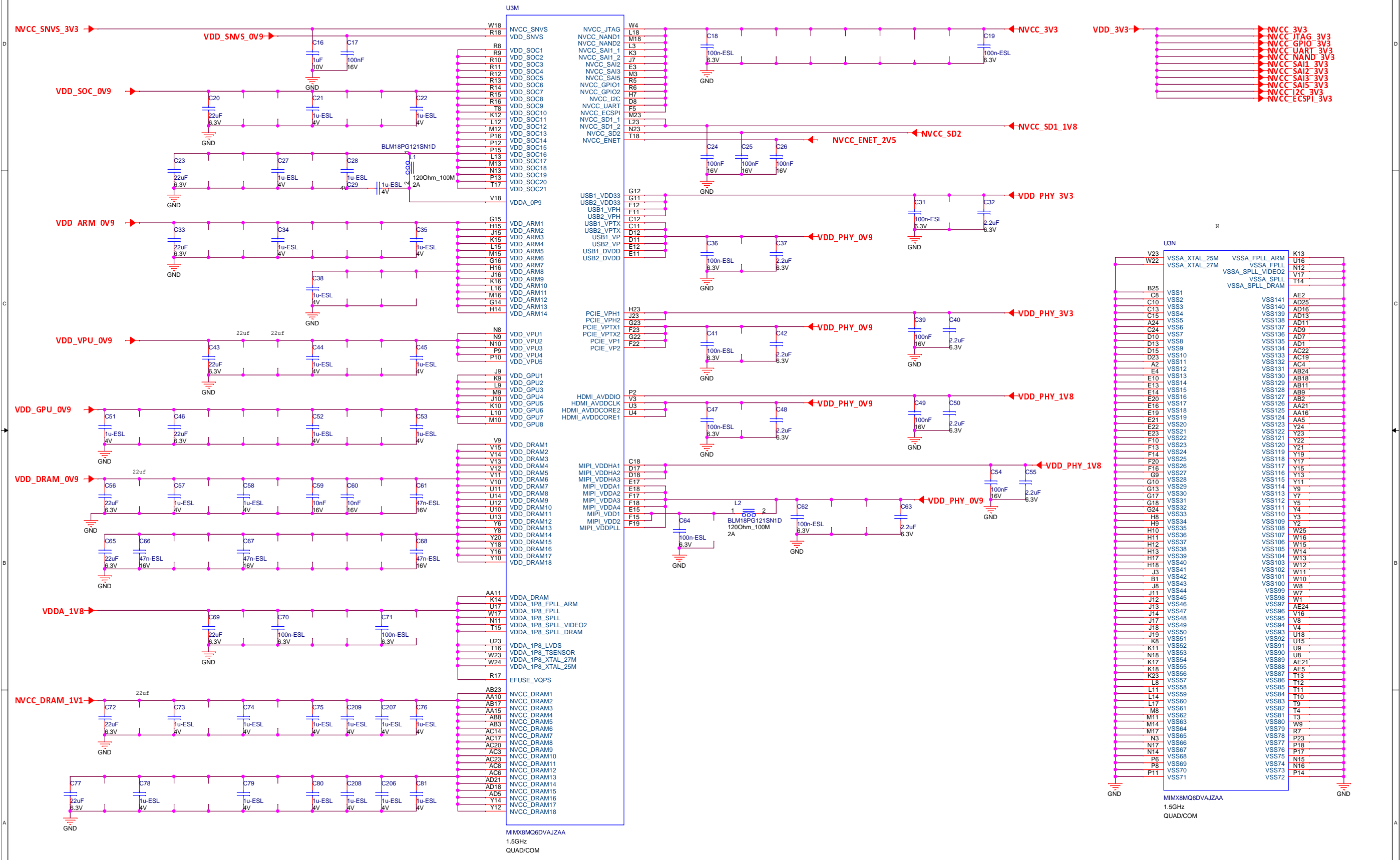


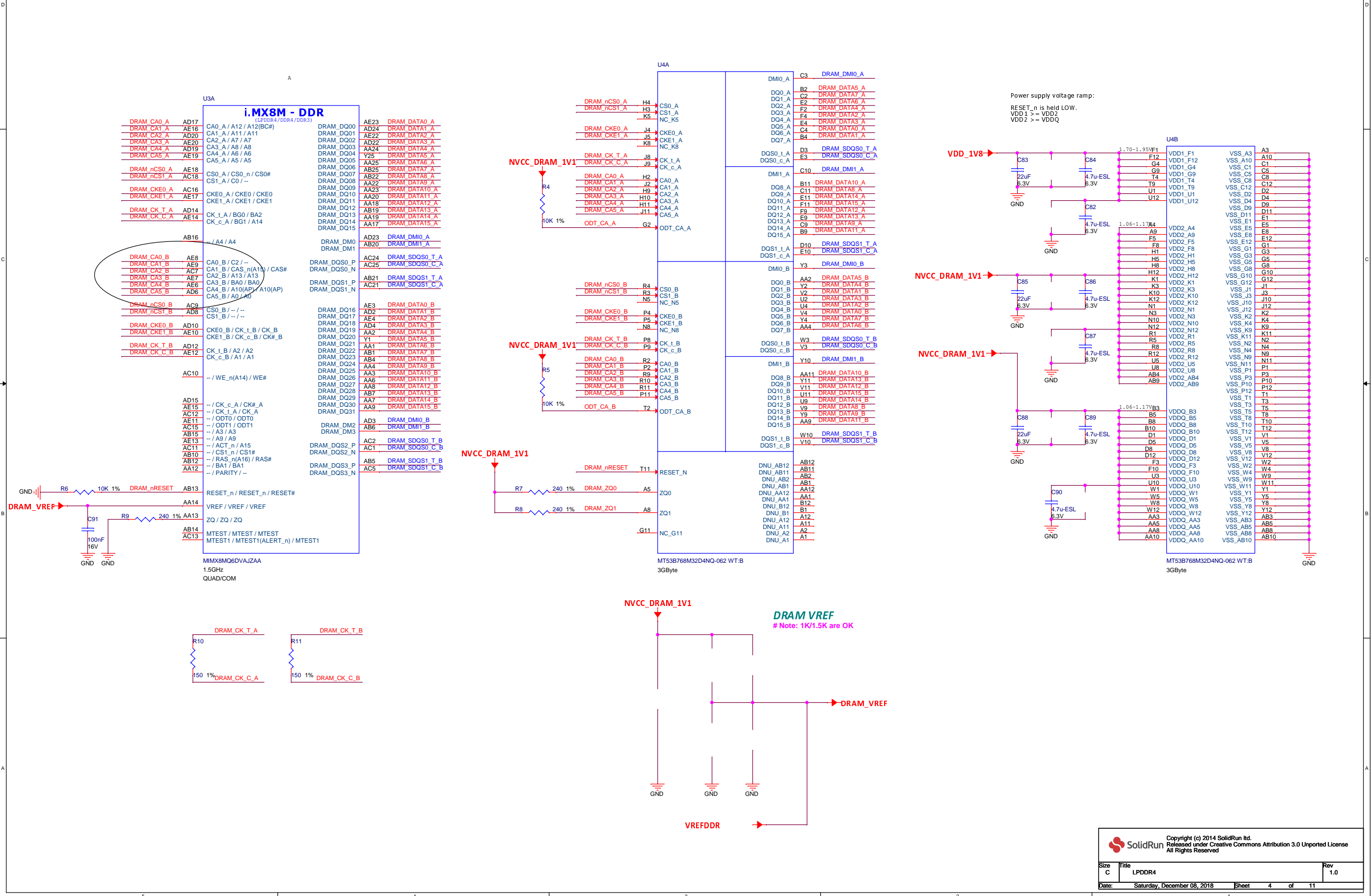
# mScale850 PWR

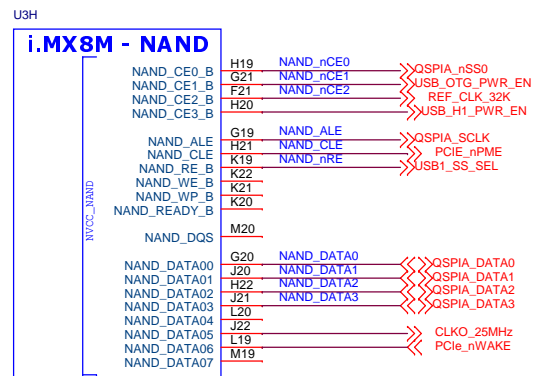


- VDD\_3V3 → NVCC 3V3
- VDD\_3V3 → NVCC\_JTAG 3V3
- VDD\_3V3 → NVCC\_GPIO 3V3
- VDD\_3V3 → NVCC\_UART 3V3
- VDD\_3V3 → NVCC\_NAND 3V3
- VDD\_3V3 → NVCC\_SAI1 3V3
- VDD\_3V3 → NVCC\_SAI2 3V3
- VDD\_3V3 → NVCC\_SAI3 3V3
- VDD\_3V3 → NVCC\_SAI5 3V3
- VDD\_3V3 → NVCC\_I2C 3V3
- VDD\_3V3 → NVCC\_ECSP1 3V3

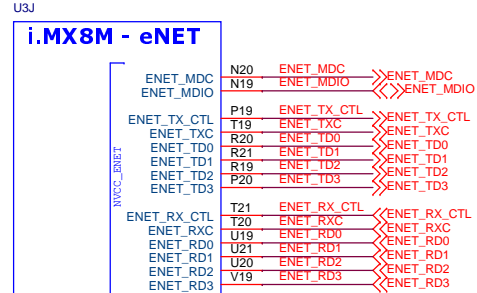
- V23 → VSSA\_XTAL\_25M
- W22 → VSSA\_XTAL\_27M
- B25 → VSS1
- C8 → VSS2
- C10 → VSS3
- C13 → VSS4
- C15 → VSS5
- A24 → VSS6
- C29 → VSS7
- D10 → VSS8
- D13 → VSS9
- D15 → VSS10
- D23 → VSS11
- A2 → VSS12
- E4 → VSS13
- E10 → VSS14
- E13 → VSS15
- E14 → VSS16
- E20 → VSS17
- E16 → VSS18
- E19 → VSS19
- E21 → VSS20
- E22 → VSS21
- E23 → VSS22
- F10 → VSS23
- F13 → VSS24
- F14 → VSS25
- F20 → VSS26
- F16 → VSS27
- G10 → VSS28
- G13 → VSS29
- G17 → VSS30
- G18 → VSS31
- G24 → VSS32
- H8 → VSS33
- H9 → VSS34
- H10 → VSS35
- H11 → VSS36
- H12 → VSS37
- H13 → VSS38
- H17 → VSS39
- H18 → VSS40
- J3 → VSS41
- B1 → VSS42
- VSS43 → VSS100
- J8 → VSS44
- J11 → VSS45
- J12 → VSS46
- J13 → VSS47
- J14 → VSS48
- J17 → VSS49
- J18 → VSS50
- J19 → VSS51
- K8 → VSS52
- K11 → VSS53
- N18 → VSS54
- K17 → VSS55
- K18 → VSS56
- K23 → VSS57
- L8 → VSS58
- L11 → VSS59
- L14 → VSS60
- L17 → VSS61
- L18 → VSS62
- M11 → VSS63
- M14 → VSS64
- M17 → VSS65
- N3 → VSS66
- N17 → VSS67
- N14 → VSS68
- P6 → VSS69
- P8 → VSS70
- P11 → VSS71
- K13 → VSS141
- N12 → VSS142
- V17 → VSS143
- T14 → VSS144
- AE2 → VSS145
- AD25 → VSS146
- AD16 → VSS147
- AD13 → VSS148
- AD11 → VSS149
- AD9 → VSS150
- AD7 → VSS151
- AD1 → VSS152
- AC22 → VSS153
- AC19 → VSS154
- AC4 → VSS155
- AB24 → VSS156
- AB18 → VSS157
- AB11 → VSS158
- AB9 → VSS159
- AB2 → VSS160
- AA21 → VSS161
- AA16 → VSS162
- A5 → VSS163
- Y24 → VSS164
- Y23 → VSS165
- Y21 → VSS166
- Y19 → VSS167
- Y15 → VSS168
- Y11 → VSS169
- Y13 → VSS170
- Y11 → VSS171
- Y9 → VSS172
- Y7 → VSS173
- Y5 → VSS174
- Y4 → VSS175
- Y3 → VSS176
- Y2 → VSS177
- W25 → VSS178
- W16 → VSS179
- W15 → VSS180
- W14 → VSS181
- W13 → VSS182
- W12 → VSS183
- W11 → VSS184
- W10 → VSS185
- W8 → VSS186
- W7 → VSS187
- AE24 → VSS188
- V16 → VSS189
- V8 → VSS190
- V4 → VSS191
- U15 → VSS192
- U9 → VSS193
- U8 → VSS194
- AE21 → VSS195
- T13 → VSS196
- T12 → VSS197
- T10 → VSS198
- T9 → VSS199
- T4 → VSS200
- W9 → VSS201
- R7 → VSS202
- P23 → VSS203
- P18 → VSS204
- P17 → VSS205
- N15 → VSS206
- N16 → VSS207
- P14 → VSS208

# LPDDR4

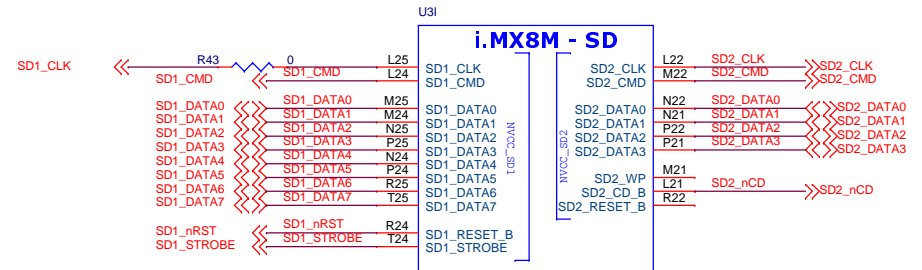




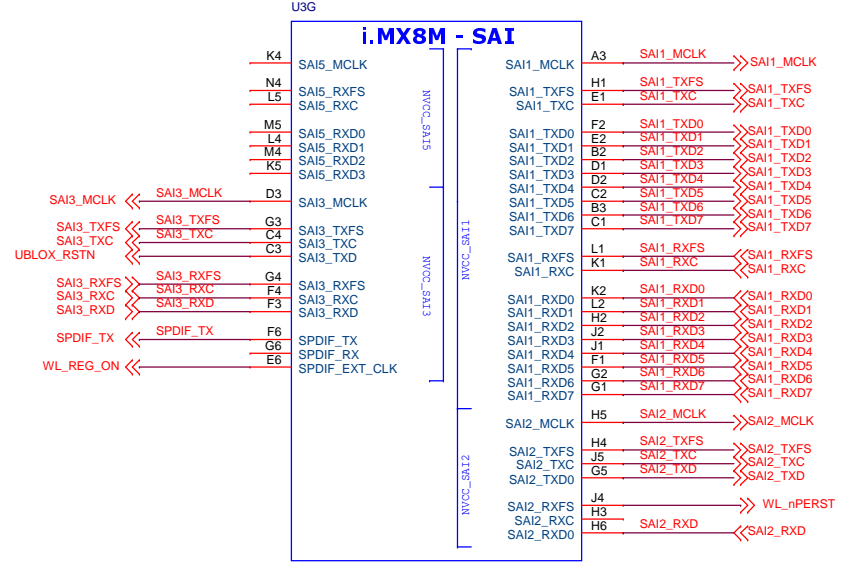
MIMX8M06DVAJZAA  
1.5GHz  
QUAD/COM



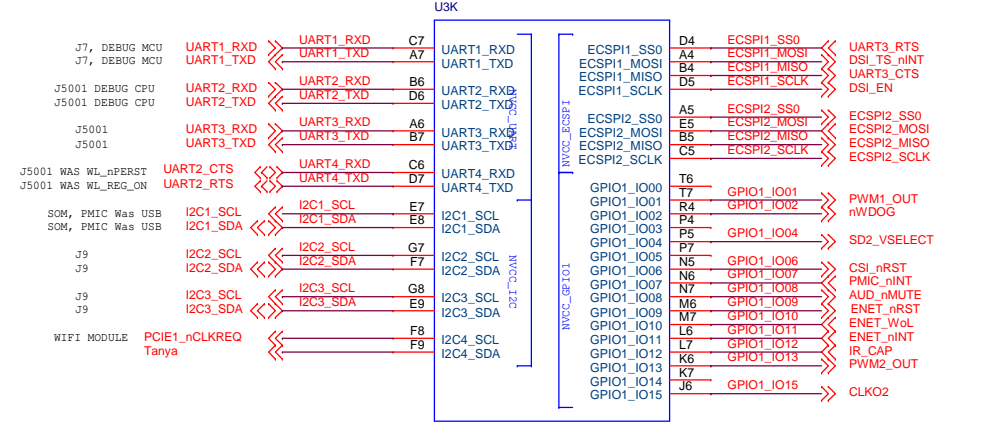
MIMX8M06DVAJZAA  
1.5GHz  
QUAD/COM



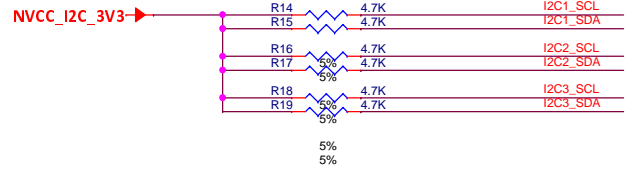
MIMX8M06DVAJZAA  
1.5GHz  
QUAD/COM



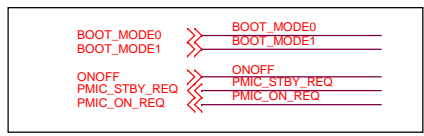
MIMX8M06DVAJZAA  
1.5GHz  
QUAD/COM



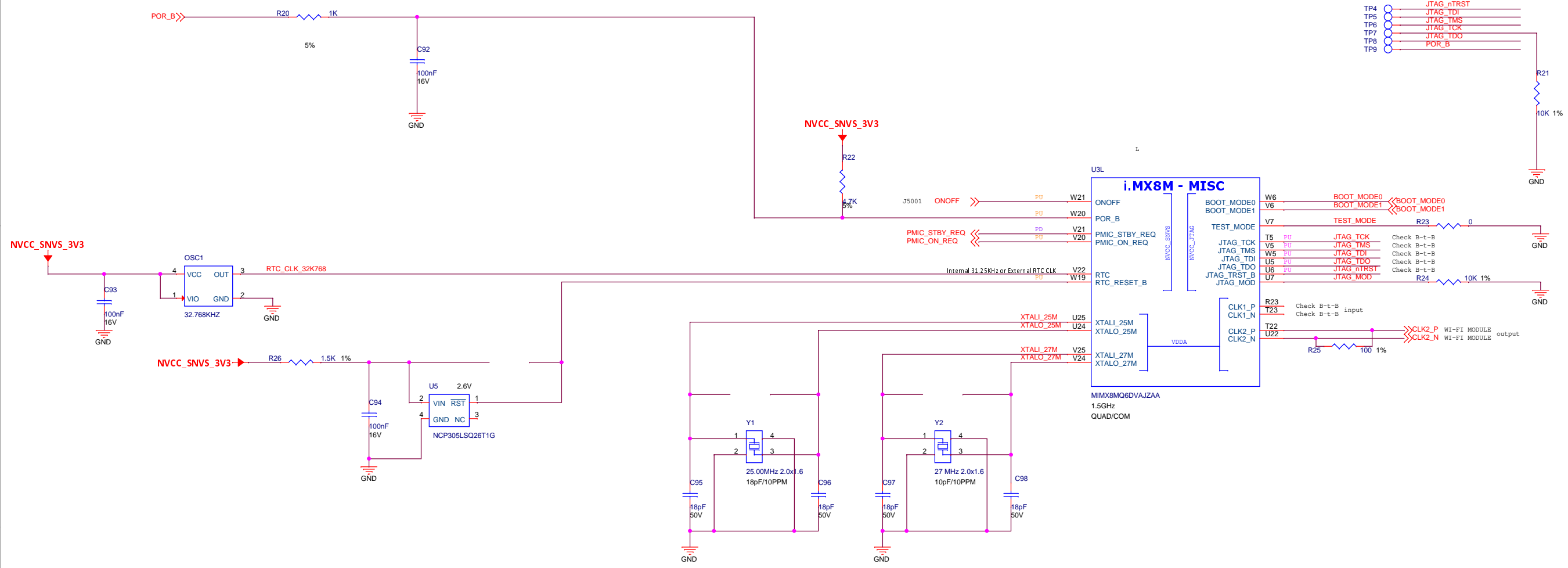
MIMX8M06DVAJZAA  
1.5GHz  
QUAD/COM



-Internal pullup resistors 27 kOhm;  
-Internal pulldown resistor of 90kOhm is always enabled



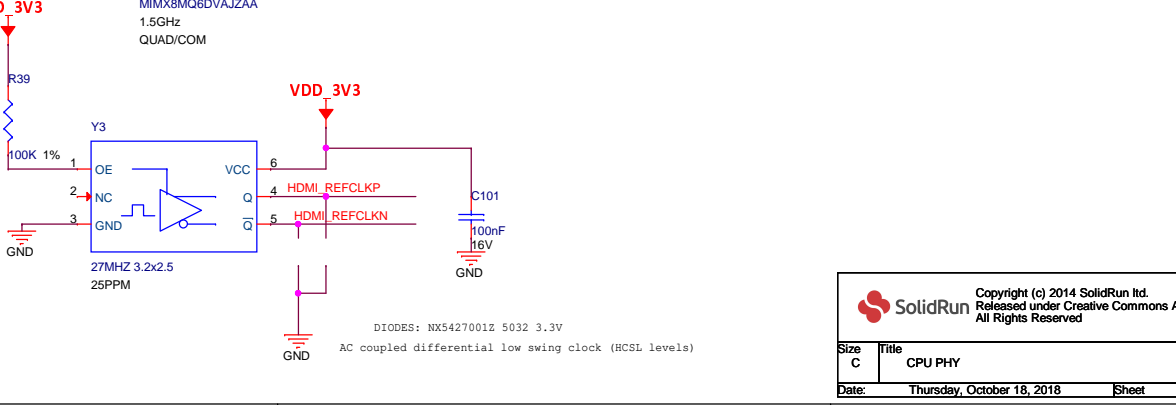
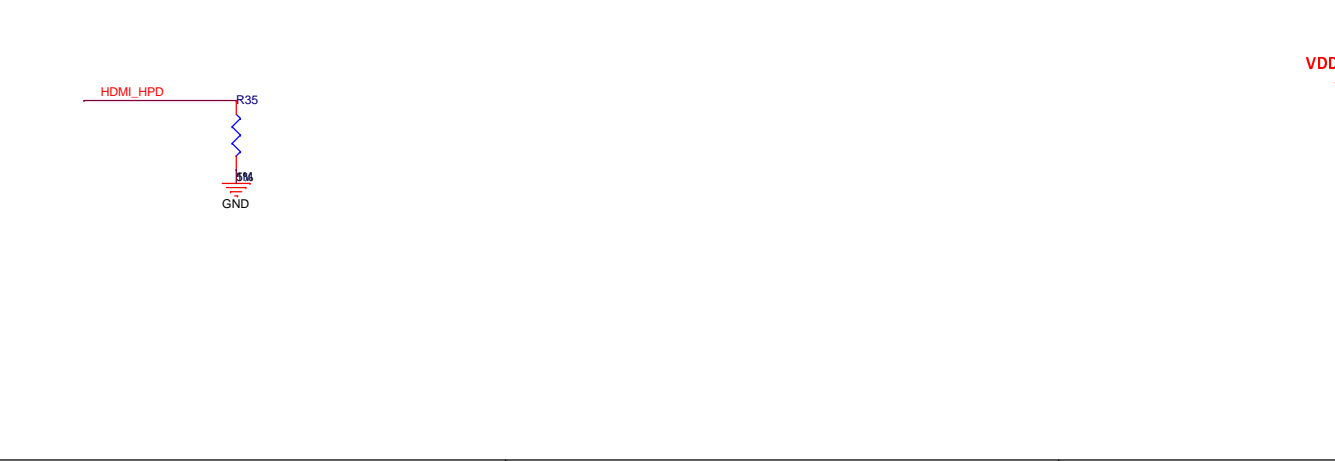
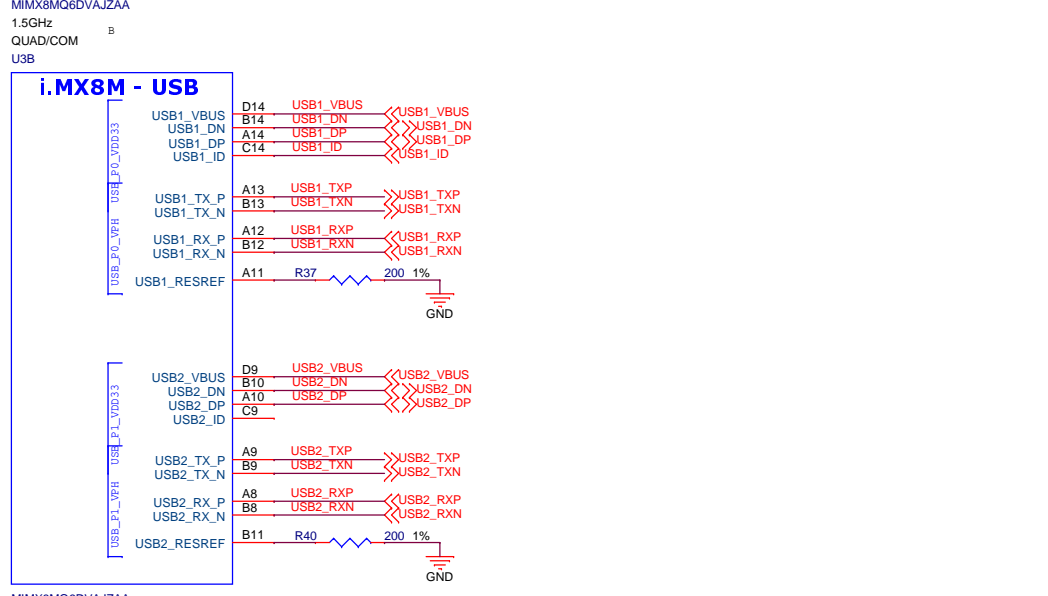
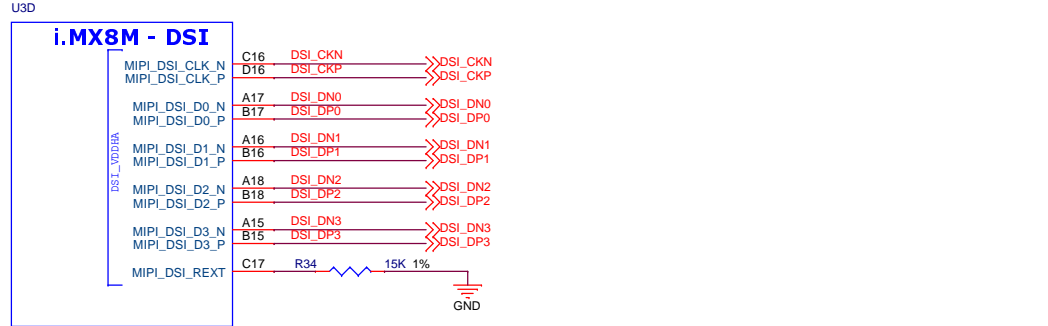
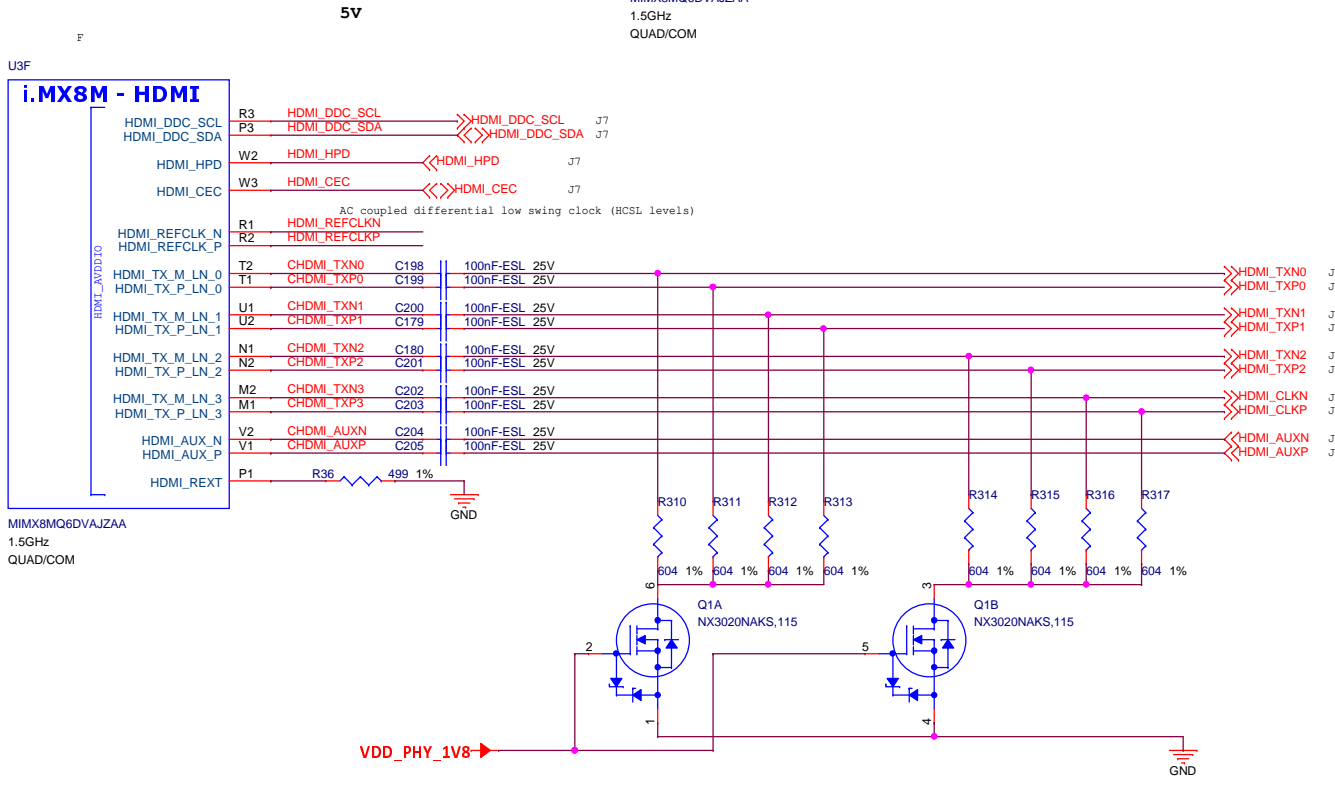
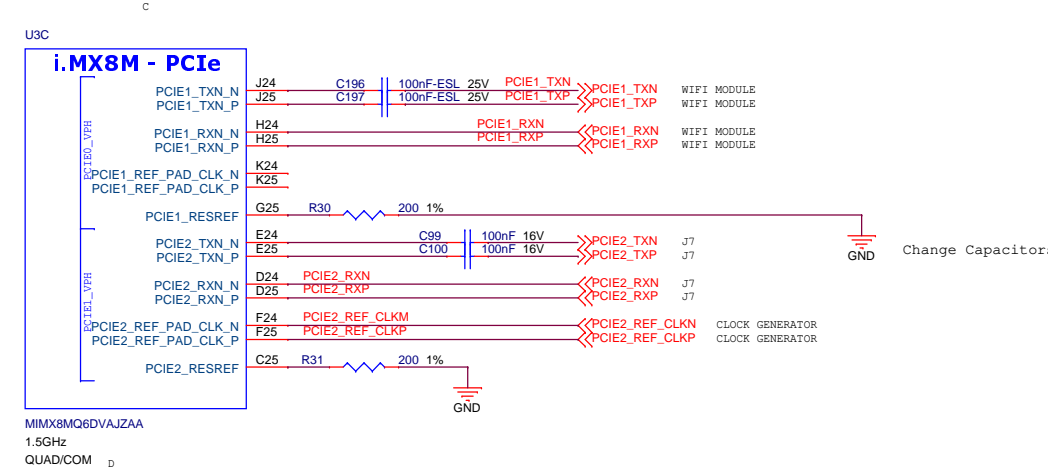
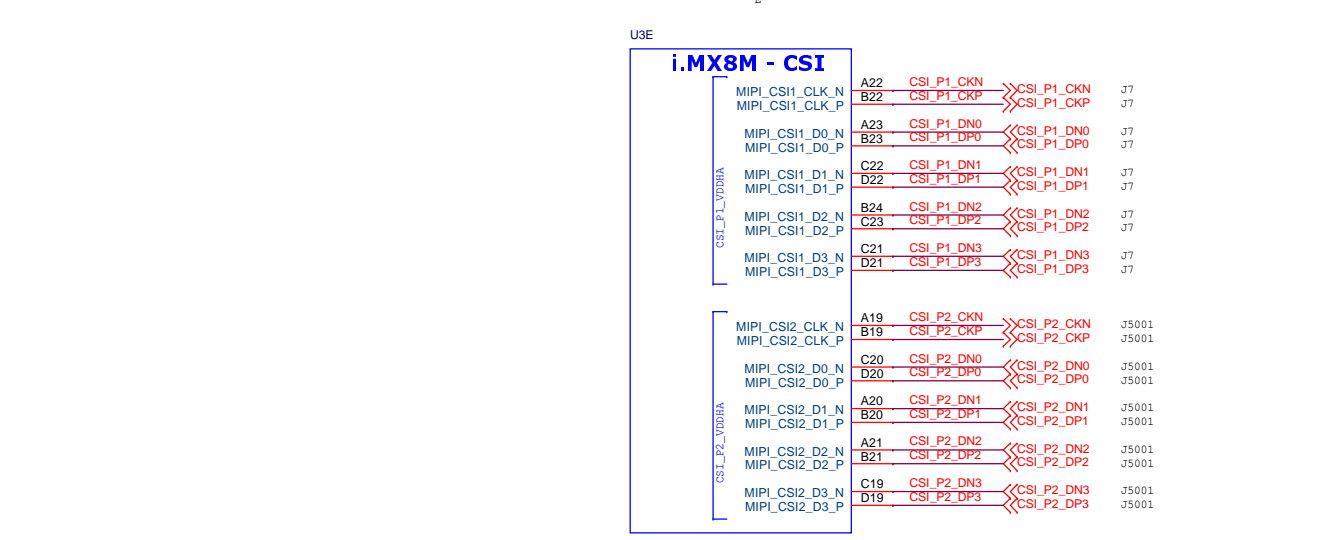
### JTAG Debug



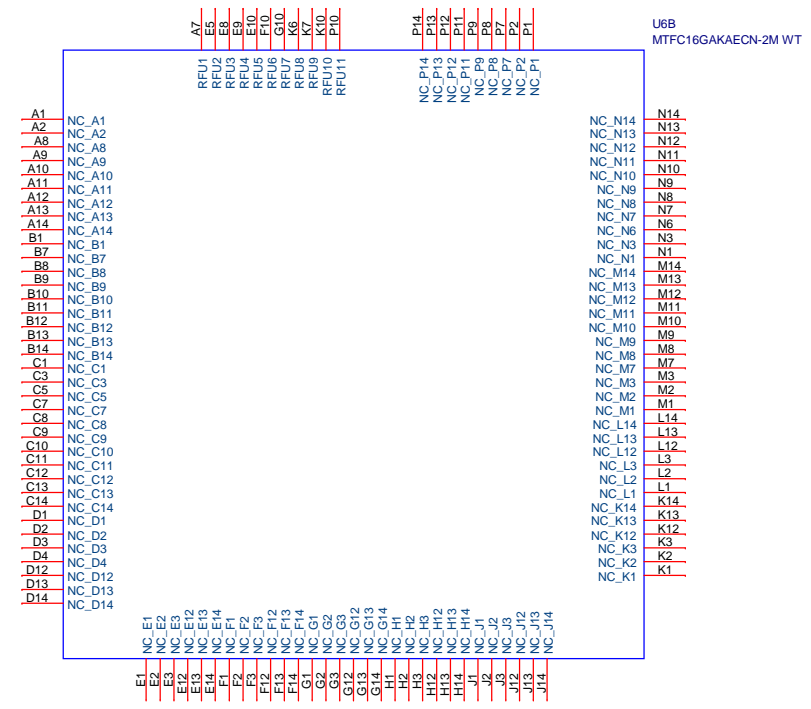
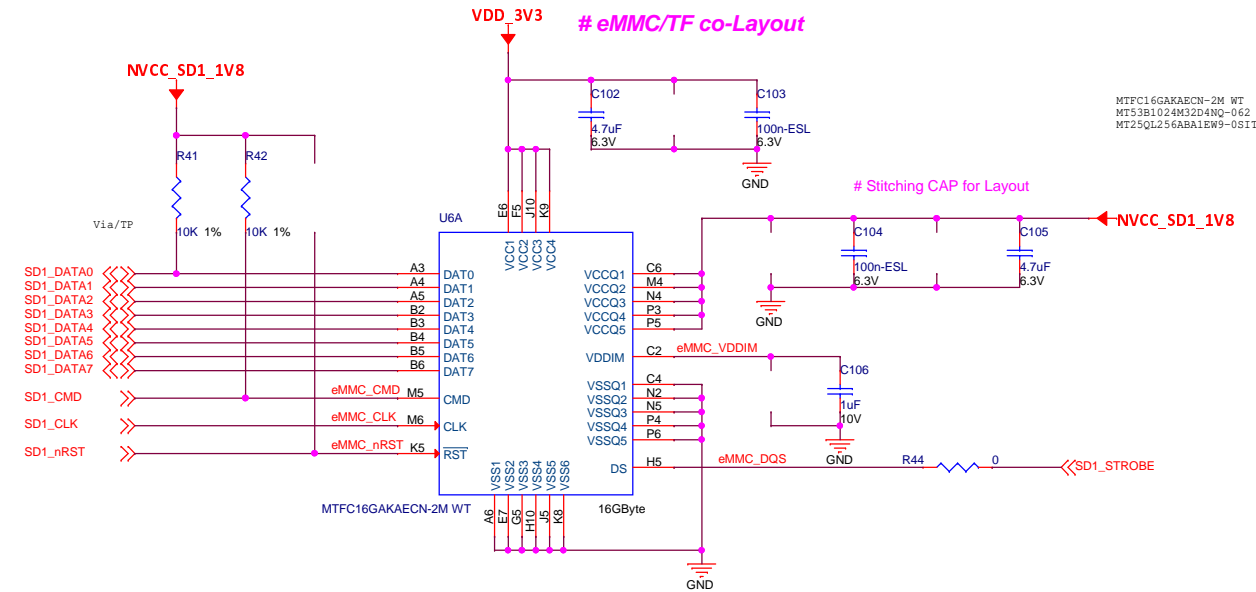
# mScale850 PHY

VDD\_PHY\_3V3 → VDD\_PHY\_3V3  
 VDD\_PHY\_1V8 → VDD\_PHY\_1V8  
 VDD\_PHY\_0V9 → VDD\_PHY\_0V9

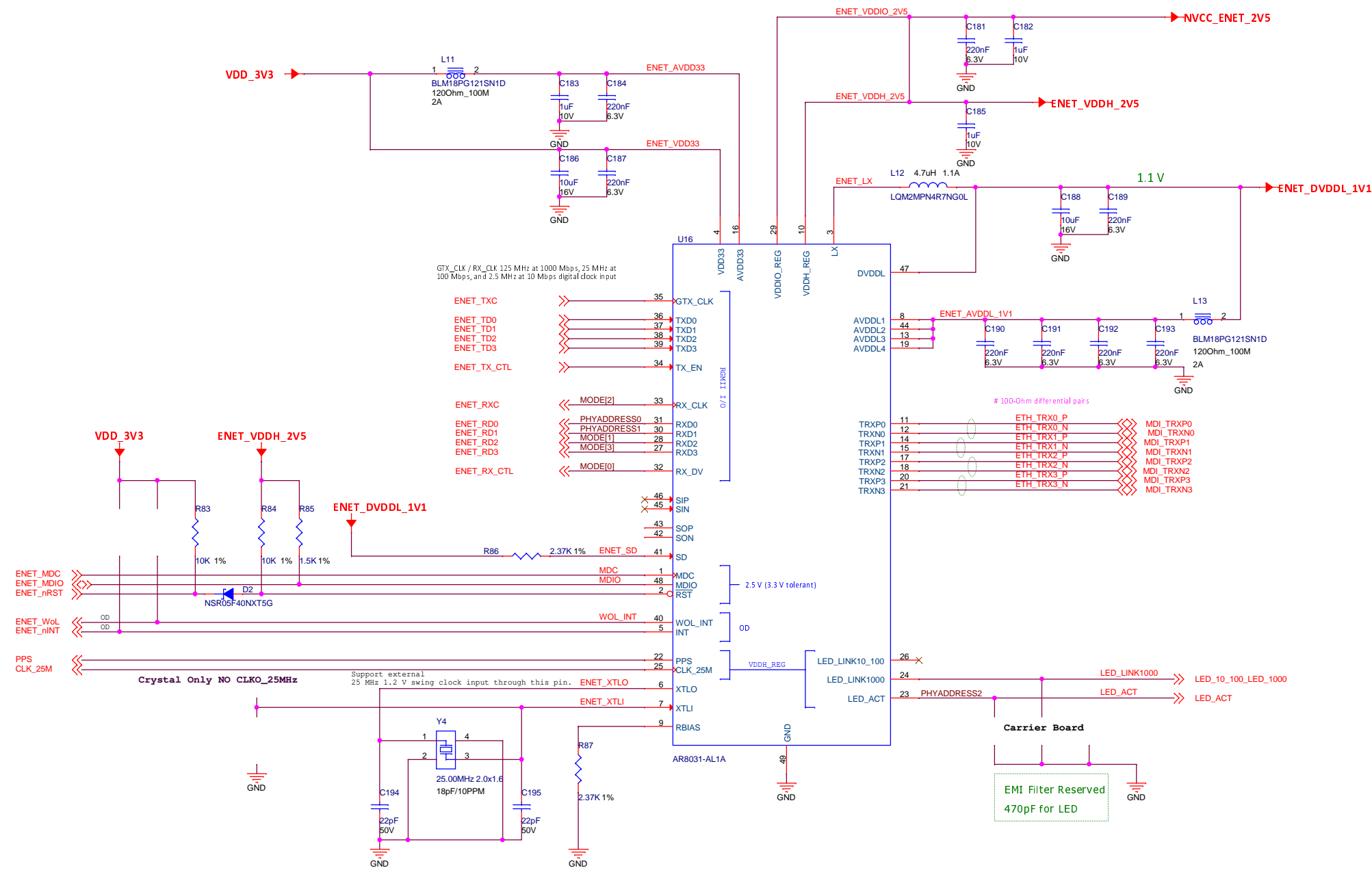
USB\_RESREF: Attach a 200-Ω, 1% 100-ppm/C precision resistor-to-ground on the board.  
 MIPI\_DSI\_REXT: 15k-Ω,  
 PCIE1: 200-Ω, 1% 100 ppm/°C precision resistor-to-ground on the board.  
 HDMI: a 499-Ω, 1% 1% tolerance resistor-to-ground on the board



# eMMC 5.0 Footprint



# RGMII 10/100/1000 Ethernet



## Power-on Strapping Pins

PHY PIN	PHY CFG	Default	Definition
RXD0	PHYADDRESS0	0	LED_ACT and RXD1-0 set the lower three bits of the physical address. The upper two bits of the physical address are set to the default, '100'.
RXD1	PHYADDRESS1	0	
LED_ACT	PHYADDRESS2	1	
RX_DV	MODE[0]	0	0000 1000 0 = 1, RGMII 0001 1000 0 = 7, 50 MB 0010 1000 0 = 6, 50 MB 50% 0011 1000 0 = 8, RGMII 75% 0100 1000 0 = 9, RGMII 50% 0101 1000 0 = 4, TX, 75% 0110 1000 0 = 5, RGMII 50% 0111 1000 0 = 6, TX, TRANS, 50% 1011 RGMII copper fiber auto-detection. 1100 1000 0 = 6, RGMII 75% 1111 1000 0 = 6, TX, TRANS, 75% 000000 RGMII 50%
RXD2	MODE[1]	0	
RX_CLK	MODE[2]	0	
RXD3	MODE[3]	0	
LED_LINK1000	INT_SELECT	1	0: INT ; 1: GPIO

## Power-on Strapping Pins CFG (Default)

