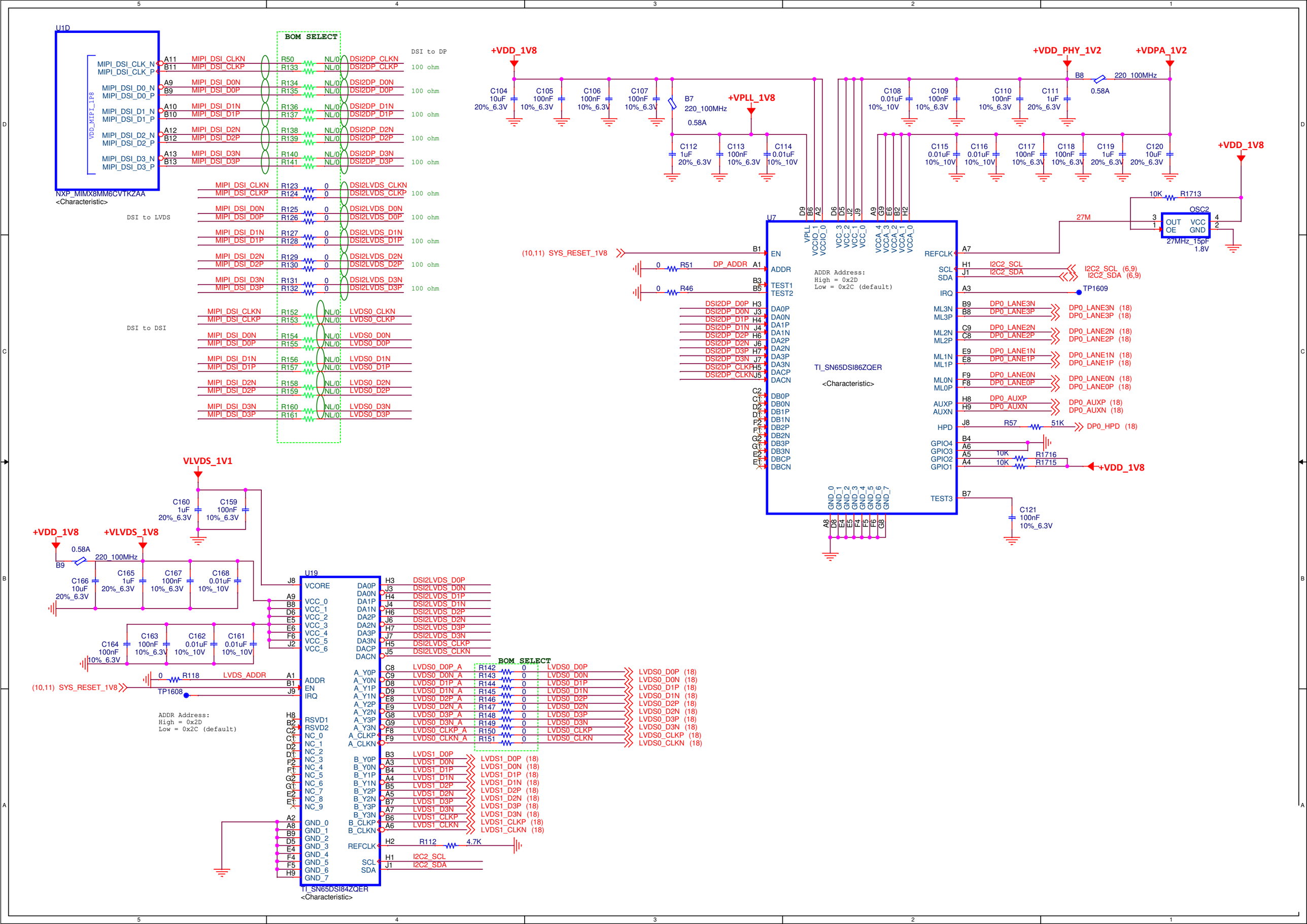
U1D
NXP_MIMX8MM6CVTKZAA
<Characteristic>
VDD_MIPI_1P8
MIPI_DSI_CLK_N
MIPI_DSI_CLK_P
MIPI_DSI_D0_N
MIPI_DSI_D0_P
MIPI_DSI_D1_N
MIPI_DSI_D1_P
MIPI_DSI_D2_N
MIPI_DSI_D2_P
MIPI_DSI_D3_N
MIPI_DSI_D3_P
BOM SELECT
DSI to DP
DSI2DP_CLKN
DSI2DP_CLKP
DSI2DP_D0N
DSI2DP_D0P
DSI2DP_D1N
DSI2DP_D1P
DSI2DP_D2N
DSI2DP_D2P
DSI2DP_D3N
DSI2DP_D3P
100 ohm
DSI to LVDS
DSI2LVDS_CLKN
DSI2LVDS_CLKP
DSI2LVDS_D0N
DSI2LVDS_D0P
DSI2LVDS_D1N
DSI2LVDS_D1P
DSI2LVDS_D2N
DSI2LVDS_D2P
DSI2LVDS_D3N
DSI2LVDS_D3P
DSI to DSI
LVDS0_CLKN
LVDS0_CLKP
LVDS0_D0N
LVDS0_D0P
LVDS0_D1N
LVDS0_D1P
LVDS0_D2N
LVDS0_D2P
LVDS0_D3N
LVDS0_D3P
+VDD_1V8
+VPLL_1V8
+VDD_PHY_1V2
+VDPA_1V2
+VLVDS_1V8
VLVDS_1V1
B7
220_100MHz
0.58A
B8
B9
C104 10uF 20%_6.3V
C105 100nF 10%_6.3V
C106 100nF 10%_6.3V
C107 100nF 10%_6.3V
C108 0.01uF 10%_10V
C109 100nF 10%_6.3V
C110 100nF 10%_6.3V
C111 1uF 20%_6.3V
C112 1uF 20%_6.3V
C113 100nF 10%_6.3V
C114 0.01uF 10%_10V
C115 0.01uF 10%_10V
C116 0.01uF 10%_10V
C117 100nF 10%_6.3V
C118 100nF 10%_6.3V
C119 1uF 20%_6.3V
C120 10uF 20%_6.3V
C160 1uF 20%_6.3V
C159 100nF 10%_6.3V
C165 1uF 20%_6.3V
C166 10uF 20%_6.3V
C167 100nF 10%_6.3V
C168 0.01uF 10%_10V
C163 100nF 10%_6.3V
C162 0.01uF 10%_10V
C161 0.01uF 10%_10V
C164 100nF 10%_6.3V
U7
TI_SN65DSI86ZQER
<Characteristic>
ADDR Address:
High = 0x2D
Low = 0x2C (default)
(10,11) SYS_RESET_1V8
DP_ADDR
R51
R46
R57 51K
R1713 10K
OSC2
27M
OUT VCC
OE GND
27MHz_15pF
1.8V
I2C2_SCL (6,9)
I2C2_SDA (6,9)
TP1609
DP0_LANE3N (18)
DP0_LANE3P (18)
DP0_LANE2N (18)
DP0_LANE2P (18)
DP0_LANE1N (18)
DP0_LANE1P (18)
DP0_LANE0N (18)
DP0_LANE0P (18)
DP0_AUXP (18)
DP0_AUXN (18)
DP0_HPD (18)
R1716 10K
R1715 10K
C121 100nF 10%_6.3V
U19
TI_SN65DSI84ZQER
<Characteristic>
R118 LVDS_ADDR
TP1608
R112 4.7K
DSI2LVDS_D0P
DSI2LVDS_D0N
DSI2LVDS_D1P
DSI2LVDS_D1N
DSI2LVDS_D2P
DSI2LVDS_D2N
DSI2LVDS_D3P
DSI2LVDS_D3N
DSI2LVDS_CLKP
DSI2LVDS_CLKN
LVDS1_D0P
LVDS1_D0N
LVDS1_D1P
LVDS1_D1N
LVDS1_D2P
LVDS1_D2N
LVDS1_D3P
LVDS1_D3N
LVDS1_CLKP
LVDS1_CLKN
LVDS1_D0P (18)
LVDS1_D0N (18)
LVDS1_D1P (18)
LVDS1_D1N (18)
LVDS1_D2P (18)
LVDS1_D2N (18)
LVDS1_D3P (18)
LVDS1_D3N (18)
LVDS1_CLKP (18)
LVDS1_CLKN (18)