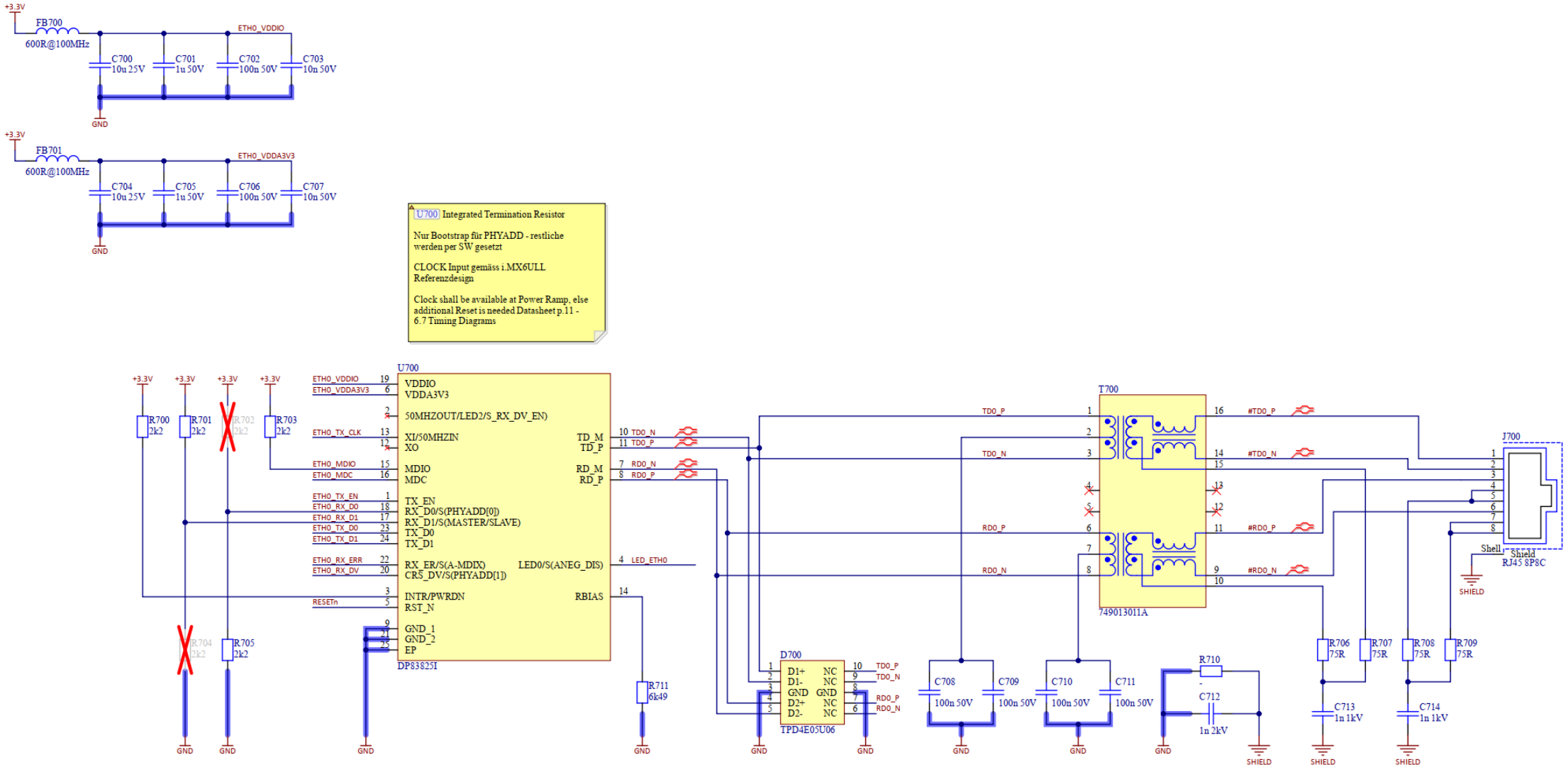
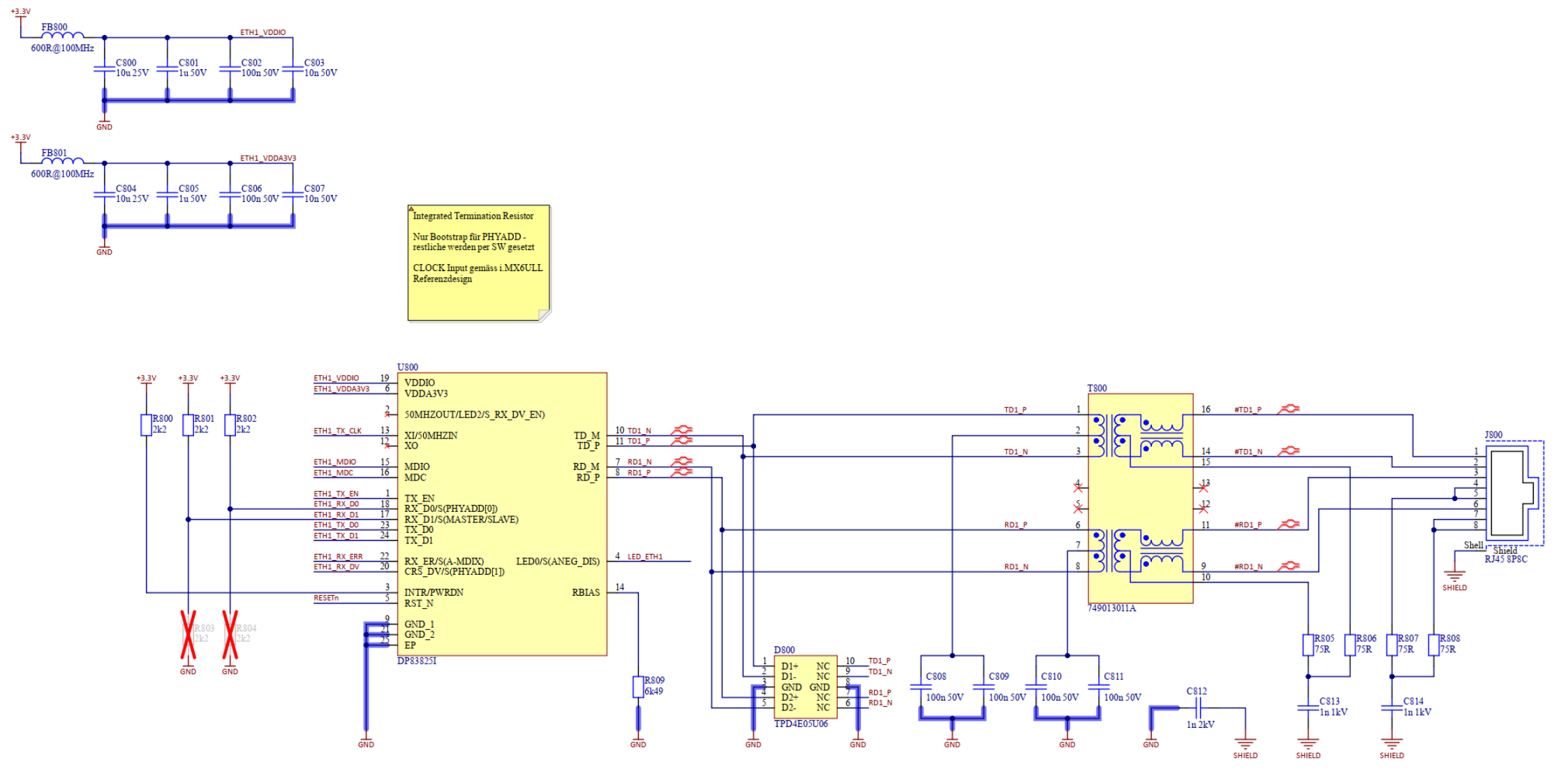
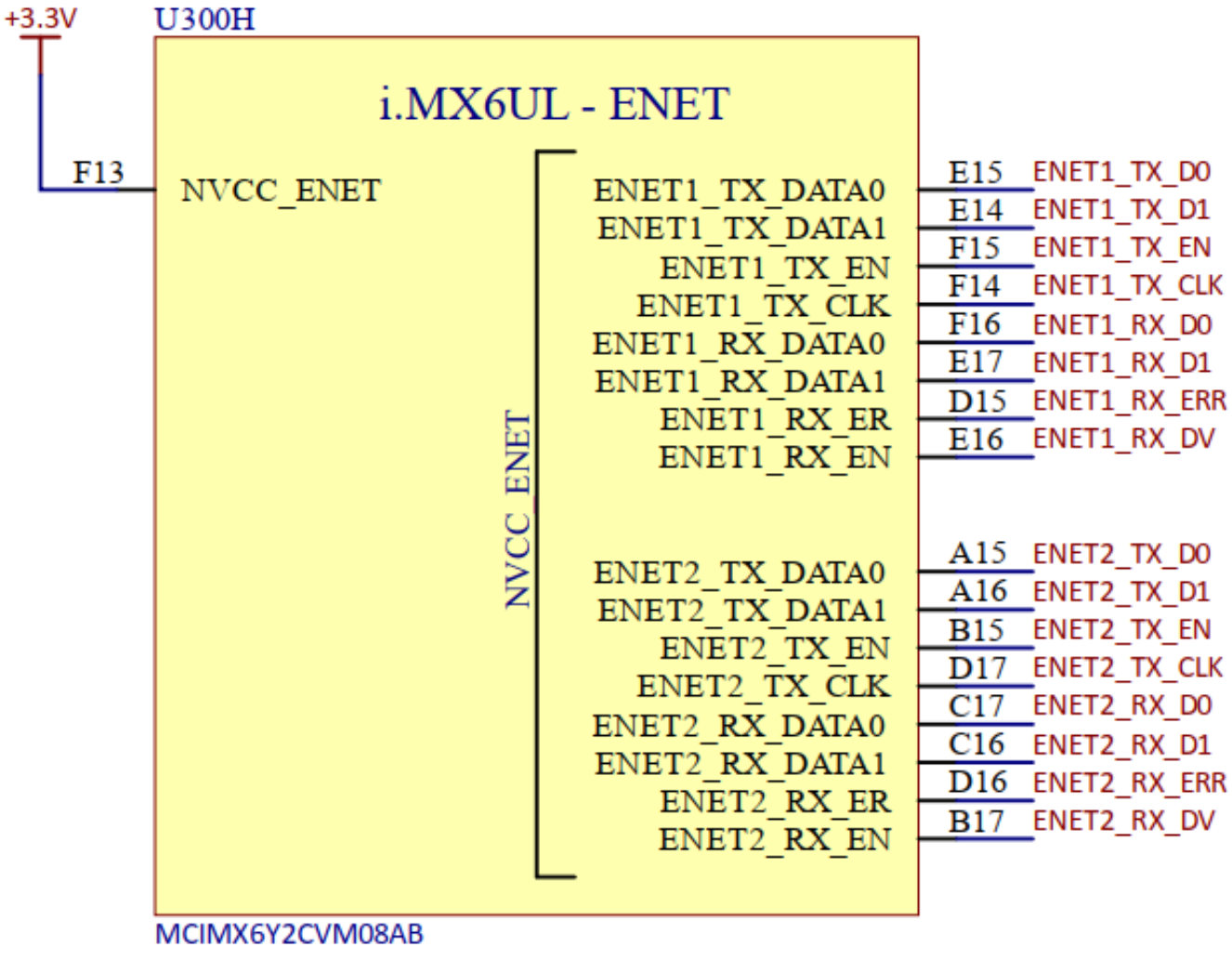

+3.3V
FB700
600R@100MHz
ETH0_VDDIO
C700
10u 25V
C701
1u 50V
C702
100n 50V
C703
10n 50V
GND
+3.3V
FB701
600R@100MHz
ETH0_VDDA3V3
C704
10u 25V
C705
1u 50V
C706
100n 50V
C707
10n 50V
GND
U700 Integrated Termination Resistor
Nur Bootstrap für PHYADD - restliche werden per SW gesetzt
CLOCK Input gemäss i.MX6ULL Referenzdesign
Clock shall be available at Power Ramp, else additional Reset is needed Datasheet p.11 - 6.7 Timing Diagrams
U700
VDDIO
VDDA3V3
50MHZOUT/LED2/S_RX_DV_EN)
XI/50MHZIN
XO
MDIO
MDC
TX_EN
RX_D0/S(PHYADD[0])
RX_D1/S(MASTER/SLAVE)
TX_D0
TX_D1
RX_ER/S(A-MDIX)
CRS_DV/S(PHYADD[1])
INTR/PWRDN
RST_N
GND_1
GND_2
EP
TD_M
TD_P
RD_M
RD_P
LED0/S(ANEG_DIS)
RBIAS
DP83825I
ETH0_VDDIO
ETH0_VDDA3V3
ETH0_TX_CLK
ETH0_MDIO
ETH0_MDC
ETH0_TX_EN
ETH0_RX_D0
ETH0_RX_D1
ETH0_TX_D0
ETH0_TX_D1
ETH0_RX_ERR
ETH0_RX_DV
RESETn
TDO_N
TDO_P
RDO_N
RDO_P
LED_ETH0
R700 2k2
R701 2k2
R702 2k2
R703 2k2
R704 2k2
R705 2k2
R711 6k49
D700
D1+
D1-
GND
D2+
D2-
NC
TPD4E05U06
C708 100n 50V
C709 100n 50V
C710 100n 50V
C711 100n 50V
R710 -
C712 1n 2kV
T700
749013011A
#TDO_P
#TDO_N
#RDO_P
#RDO_N
R706 75R
R707 75R
R708 75R
R709 75R
C713 1n 1kV
C714 1n 1kV
J700
Shell
Shield
RJ45 8P8C
SHIELD


+3.3V
FB800
600R@100MHz
ETH1_VDDIO
C800 10u 25V
C801 1u 50V
C802 100n 50V
C803 10n 50V
GND
+3.3V
FB801
600R@100MHz
ETH1_VDDA3V3
C804 10u 25V
C805 1u 50V
C806 100n 50V
C807 10n 50V
GND
Integrated Termination Resistor
Nur Bootstrap für PHYADD - restliche werden per SW gesetzt
CLOCK Input gemäss i.MX6ULL Referenzdesign
U800
VDDIO
VDDA3V3
50MHZOUT/LED2/S_RX_DV_EN)
XI/50MHZIN
XO
MDIO
MDC
TX_EN
RX_D0/S(PHYADD[0])
RX_D1/S(MASTER/SLAVE)
TX_D0
TX_D1
RX_ER/S(A-MDIX)
CR5_DV/S(PHYADD[1])
INTR/PWRDN
RST_N
GND_1
GND_2
EP
TD_M
TD_P
RD_M
RD_P
LED0/S(ANEG_DIS)
RBIAS
DP83825I
ETH1_VDDIO
ETH1_VDDA3V3
ETH1_TX_CLK
ETH1_MDIO
ETH1_MDC
ETH1_TX_EN
ETH1_RX_D0
ETH1_RX_D1
ETH1_TX_D0
ETH1_TX_D1
ETH1_RX_ERR
ETH1_RX_DV
RESETn
TD1_N
TD1_P
RD1_N
RD1_P
LED_ETH1
R800 2k2
R801 2k2
R802 2k2
R803 2k2
R804 2k2
R809 6k49
D800
D1+ NC
D1- NC
GND GND
D2+ NC
D2- NC
TPD4E05U06
T800
749013011A
#TD1_P
#TD1_N
#RD1_P
#RD1_N
J800
Shell
Shield
RJ45 8P8C
SHIELD
C808 100n 50V
C809 100n 50V
C810 100n 50V
C811 100n 50V
C812 1n 2kV
R805 75R
R806 75R
R807 75R
R808 75R
C813 1n 1kV
C814 1n 1kV

ENET1_TX_CLK & ENET2_TX_CLK
-> 50MHZ REF_CLK



Decoupling Capacitor
ENET