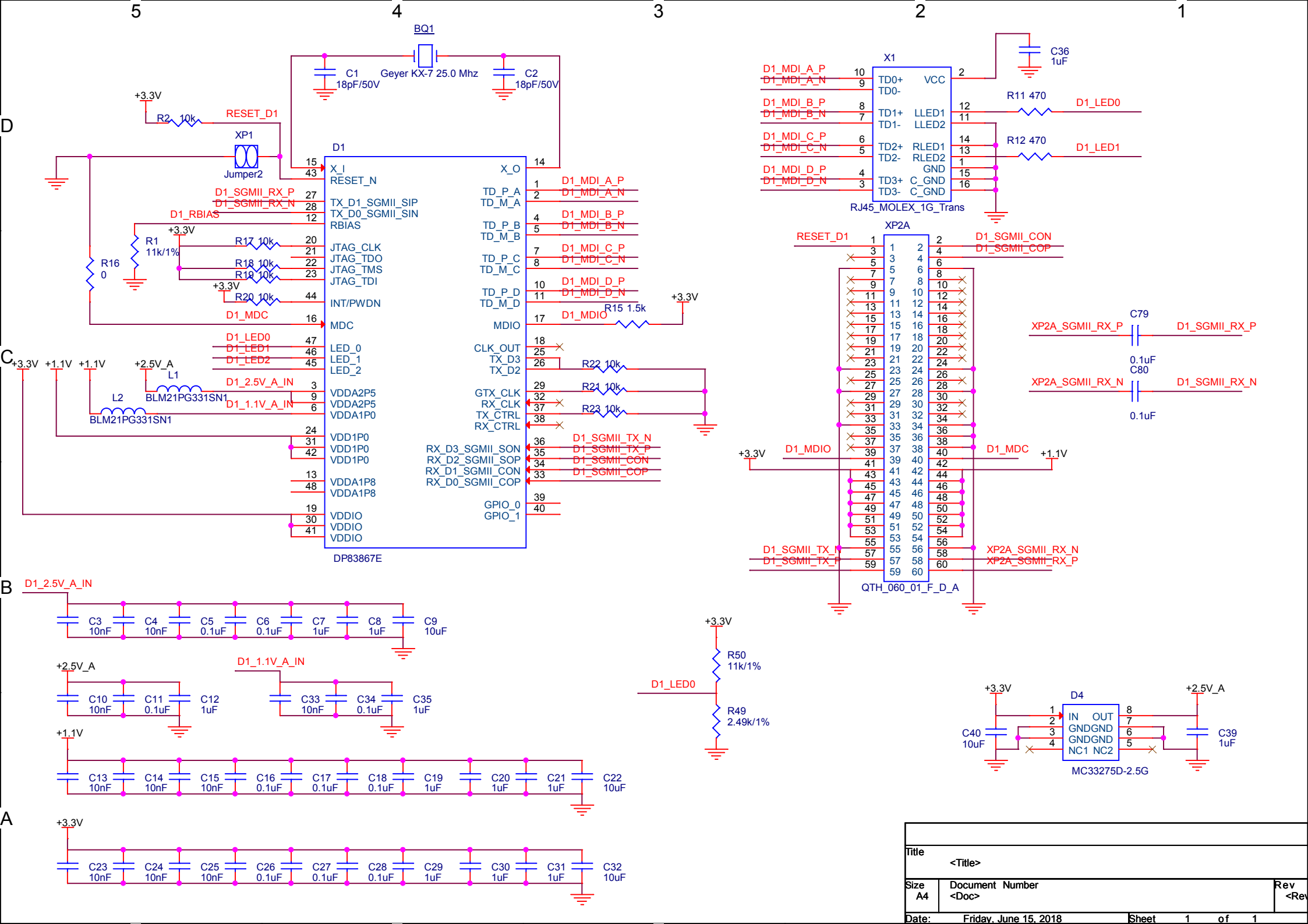
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4
3
2
1
D
C
B
A
BQ1
Geyer KX-7 25.0 Mhz
C1
18pF/50V
C2
18pF/50V
+3.3V
R2 10k
RESET_D1
XP1
Jumper2
D1
DP83867E
X_I
RESET_N
TX_D1_SGMII_SIP
TX_D0_SGMII_SIN
RBIAS
JTAG_CLK
JTAG_TDO
JTAG_TMS
JTAG_TDI
INT/PWDN
MDC
LED_0
LED_1
LED_2
VDDA2P5
VDDA2P5
VDDA1P0
VDD1P0
VDD1P0
VDD1P0
VDDA1P8
VDDA1P8
VDDIO
VDDIO
VDDIO
X_O
TD_P_A
TD_M_A
TD_P_B
TD_M_B
TD_P_C
TD_M_C
TD_P_D
TD_M_D
MDIO
CLK_OUT
TX_D3
TX_D2
GTX_CLK
RX_CLK
TX_CTRL
RX_CTRL
RX_D3_SGMII_SON
RX_D2_SGMII_SOP
RX_D1_SGMII_CON
RX_D0_SGMII_COP
GPIO_0
GPIO_1
D1_SGMII_RX_P
D1_SGMII_RX_N
D1_RBIAS
R1 11k/1%
R16 0
R17 10k
R18 10k
R19 10k
R20 10k
D1_MDC
D1_LED0
D1_LED1
D1_LED2
+1.1V
+2.5V_A
L1
L2
BLM21PG331SN1
D1_2.5V_A_IN
D1_1.1V_A_IN
D1_MDI_A_P
D1_MDI_A_N
D1_MDI_B_P
D1_MDI_B_N
D1_MDI_C_P
D1_MDI_C_N
D1_MDI_D_P
D1_MDI_D_N
R15 1.5k
D1_MDIO
R22 10k
R21 10k
R23 10k
D1_SGMII_TX_N
D1_SGMII_TX_P
D1_SGMII_CON
D1_SGMII_COP
X1
RJ45_MOLEX_1G_Trans
TD0+
TD0-
TD1+
TD1-
TD2+
TD2-
TD3+
TD3-
VCC
LLED1
LLED2
RLED1
RLED2
GND
C_GND
C_GND
C36 1uF
R11 470
R12 470
D1_LED0
D1_LED1
XP2A
QTH_060_01_F_D_A
XP2A_SGMII_RX_P
XP2A_SGMII_RX_N
D1_SGMII_CON
D1_SGMII_COP
C79
C80
0.1uF
C3 10nF
C4 10nF
C5 0.1uF
C6 0.1uF
C7 1uF
C8 1uF
C9 10uF
C10 10nF
C11 0.1uF
C12 1uF
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C15 10nF
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C19 1uF
C20 1uF
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C22 10uF
C23 10nF
C24 10nF
C25 10nF
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C27 0.1uF
C28 0.1uF
C29 1uF
C30 1uF
C31 1uF
C32 10uF
R50 11k/1%
R49 2.49k/1%
D4
MC33275D-2.5G
IN
OUT
GNDGND
GNDGND
NC1 NC2
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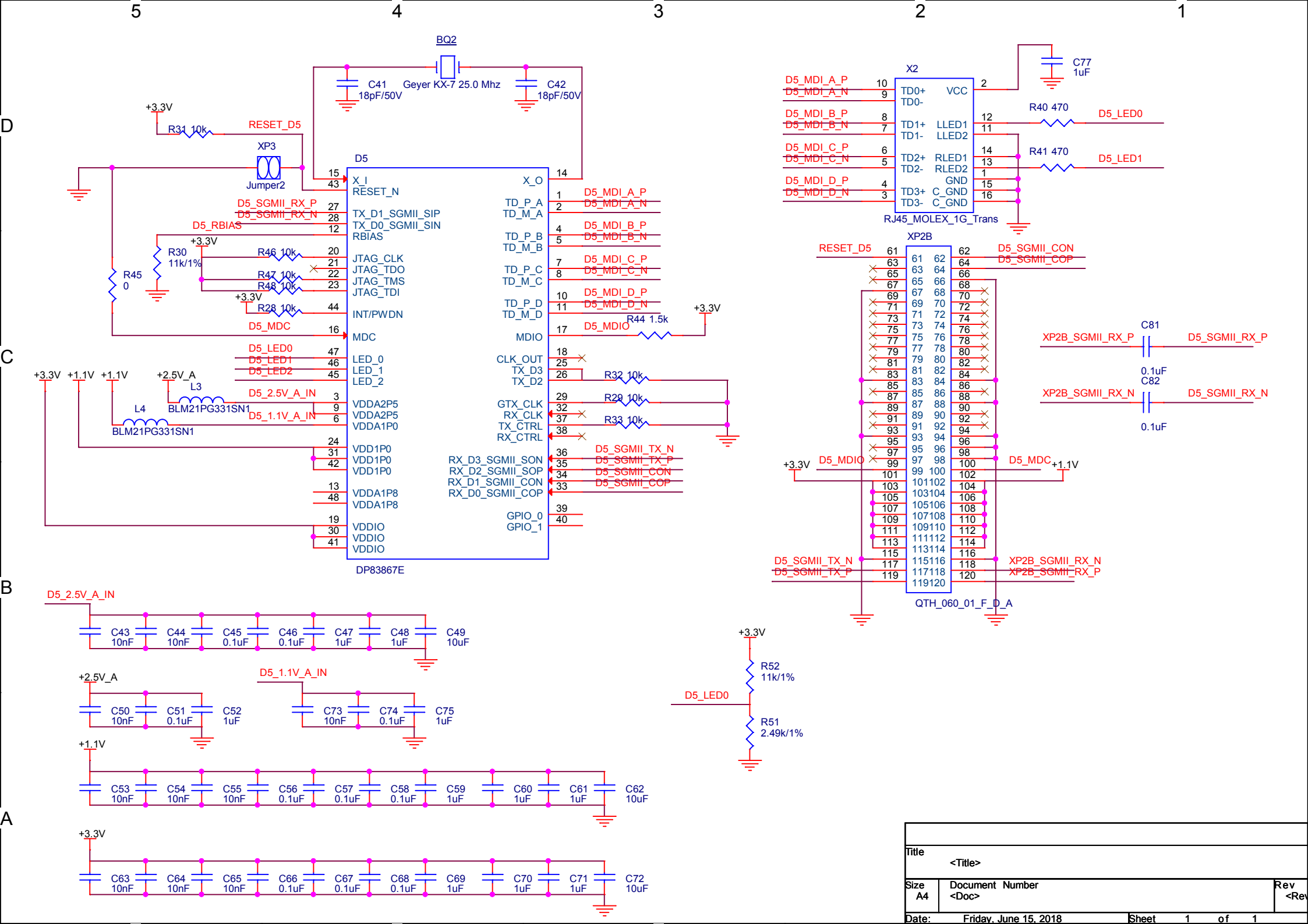
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4
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2
1
D
C
B
A
BQ2
C41 18pF/50V
Geyer KX-7 25.0 Mhz
C42 18pF/50V
+3.3V
R31 10k
RESET_D5
XP3
Jumper2
D5
DP83867E
X_I
RESET_N
TX_D1_SGMII_SIP
TX_D0_SGMII_SIN
RBIAS
JTAG_CLK
JTAG_TDO
JTAG_TMS
JTAG_TDI
INT/PWDN
MDC
LED_0
LED_1
LED_2
VDDA2P5
VDDA2P5
VDDA1P0
VDD1P0
VDD1P0
VDD1P0
VDDA1P8
VDDA1P8
VDDIO
VDDIO
VDDIO
X_O
TD_P_A
TD_M_A
TD_P_B
TD_M_B
TD_P_C
TD_M_C
TD_P_D
TD_M_D
MDIO
CLK_OUT
TX_D3
TX_D2
GTX_CLK
RX_CLK
TX_CTRL
RX_CTRL
RX_D3_SGMII_SON
RX_D2_SGMII_SOP
RX_D1_SGMII_CON
RX_D0_SGMII_COP
GPIO_0
GPIO_1
D5_SGMII_RX_P
D5_SGMII_RX_N
D5_RBIAS
R30 11k/1%
R45 0
R46 10k
R47 10k
R48 10k
R28 10k
D5_MDC
D5_LED0
D5_LED1
D5_LED2
D5_2.5V_A_IN
D5_1.1V_A_IN
+1.1V
+2.5V_A
L3
L4
BLM21PG331SN1
R44 1.5k
R32 10k
R29 10k
R33 10k
D5_MDIO
D5_SGMII_TX_N
D5_SGMII_TX_P
D5_SGMII_CON
D5_SGMII_COP
D5_MDI_A_P
D5_MDI_A_N
D5_MDI_B_P
D5_MDI_B_N
D5_MDI_C_P
D5_MDI_C_N
D5_MDI_D_P
D5_MDI_D_N
X2
RJ45_MOLEX_1G_Trans
TD0+
TD0-
TD1+
TD1-
TD2+
TD2-
TD3+
TD3-
VCC
LLED1
LLED2
RLED1
RLED2
GND
C_GND
C77 1uF
R40 470
R41 470
D5_LED0
D5_LED1
XP2B
QTH_060_01_F_D_A
C81
C82
0.1uF
XP2B_SGMII_RX_P
XP2B_SGMII_RX_N
XP2B_SGMII_TX_N
XP2B_SGMII_TX_P
R52 11k/1%
R51 2.49k/1%
C43 10nF
C44 10nF
C45 0.1uF
C46 0.1uF
C47 1uF
C48 1uF
C49 10uF
C50 10nF
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