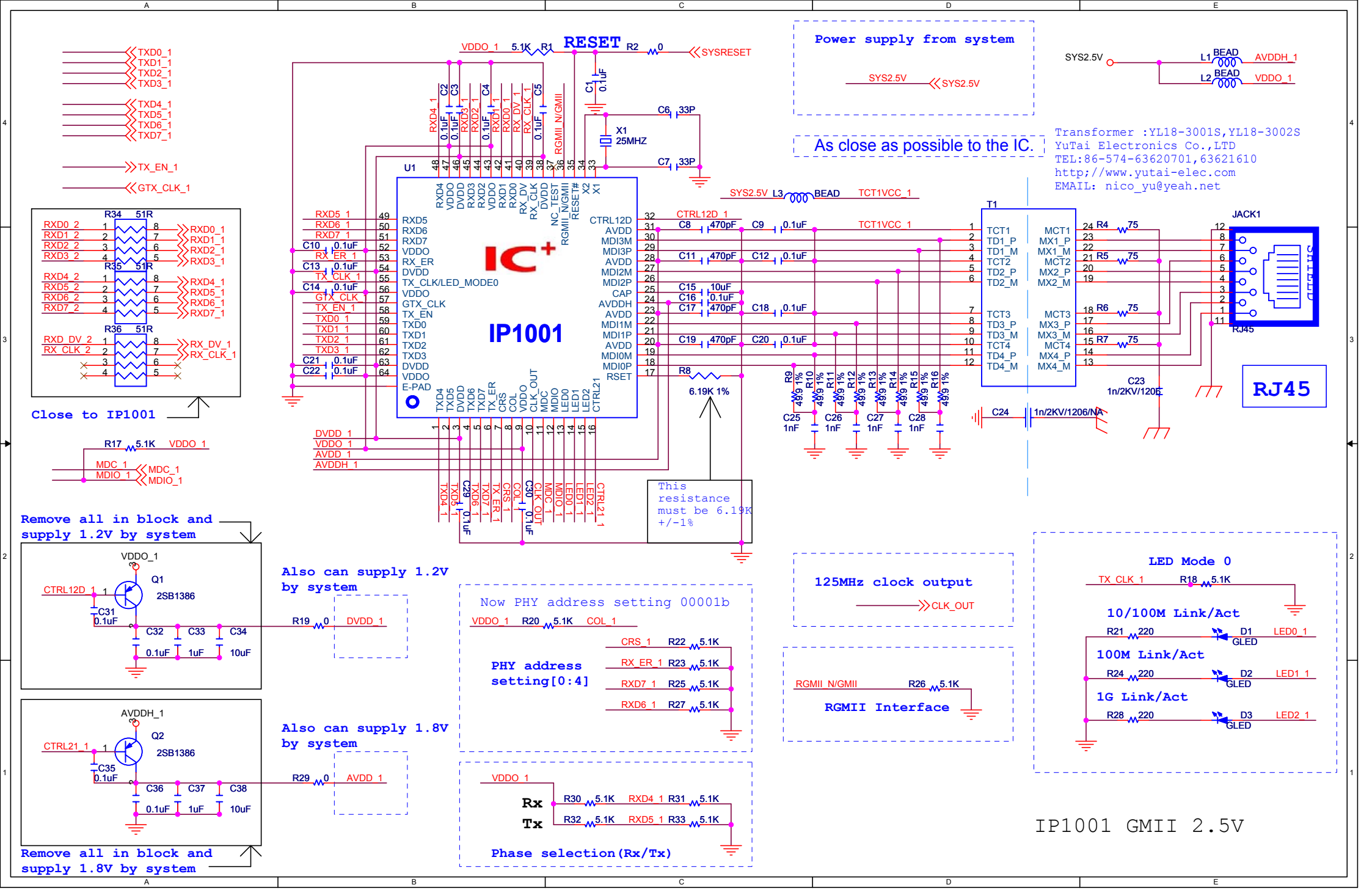
IP1001
U1
RESET
R1 5.1K
R2 0
SYSRESET
VDDO_1
X1 25MHZ
C6 33P
C7 33P
Power supply from system
SYS2.5V
As close as possible to the IC.
Transformer :YL18-3001S,YL18-3002S
YuTai Electronics Co.,LTD
TEL:86-574-63620701,63621610
http;//www.yutai-elec.com
EMAIL: nico_yu@yeah.net
L1 BEAD AVDDH_1
L2 BEAD VDDO_1
L3 BEAD TCT1VCC_1
T1
JACK1
RJ45
R4 75
R5 75
R6 75
R7 75
R8 6.19K 1%
This resistance must be 6.19K +/-1%
C23 1n/2KV/1206
C24 1n/2KV/1206/NA
Close to IP1001
R34 51R
R35 51R
R36 51R
R17 5.1K VDDO_1
MDC_1
MDIO_1
Remove all in block and supply 1.2V by system
Q1 2SB1386
CTRL12D_1
C31 0.1uF
C32 0.1uF
C33 1uF
C34 10uF
R19 0 DVDD_1
Also can supply 1.2V by system
Remove all in block and supply 1.8V by system
Q2 2SB1386
CTRL21_1
C35 0.1uF
C36 0.1uF
C37 1uF
C38 10uF
R29 0 AVDD_1
Also can supply 1.8V by system
Now PHY address setting 00001b
VDDO_1 R20 5.1K COL_1
PHY address setting[0:4]
CRS_1 R22 5.1K
RX_ER_1 R23 5.1K
RXD7_1 R25 5.1K
RXD6_1 R27 5.1K
Rx
Tx
R30 5.1K RXD4_1 R31 5.1K
R32 5.1K RXD5_1 R33 5.1K
Phase selection(Rx/Tx)
125MHz clock output
CLK_OUT
RGMII_N/GMII R26 5.1K
RGMII Interface
LED Mode 0
TX_CLK_1 R18 5.1K
10/100M Link/Act
R21 220 D1 GLED LED0_1
100M Link/Act
R24 220 D2 GLED LED1_1
1G Link/Act
R28 220 D3 GLED LED2_1
IP1001 GMII 2.5V