

RTL8110S(B/C)-32/RTL8100C

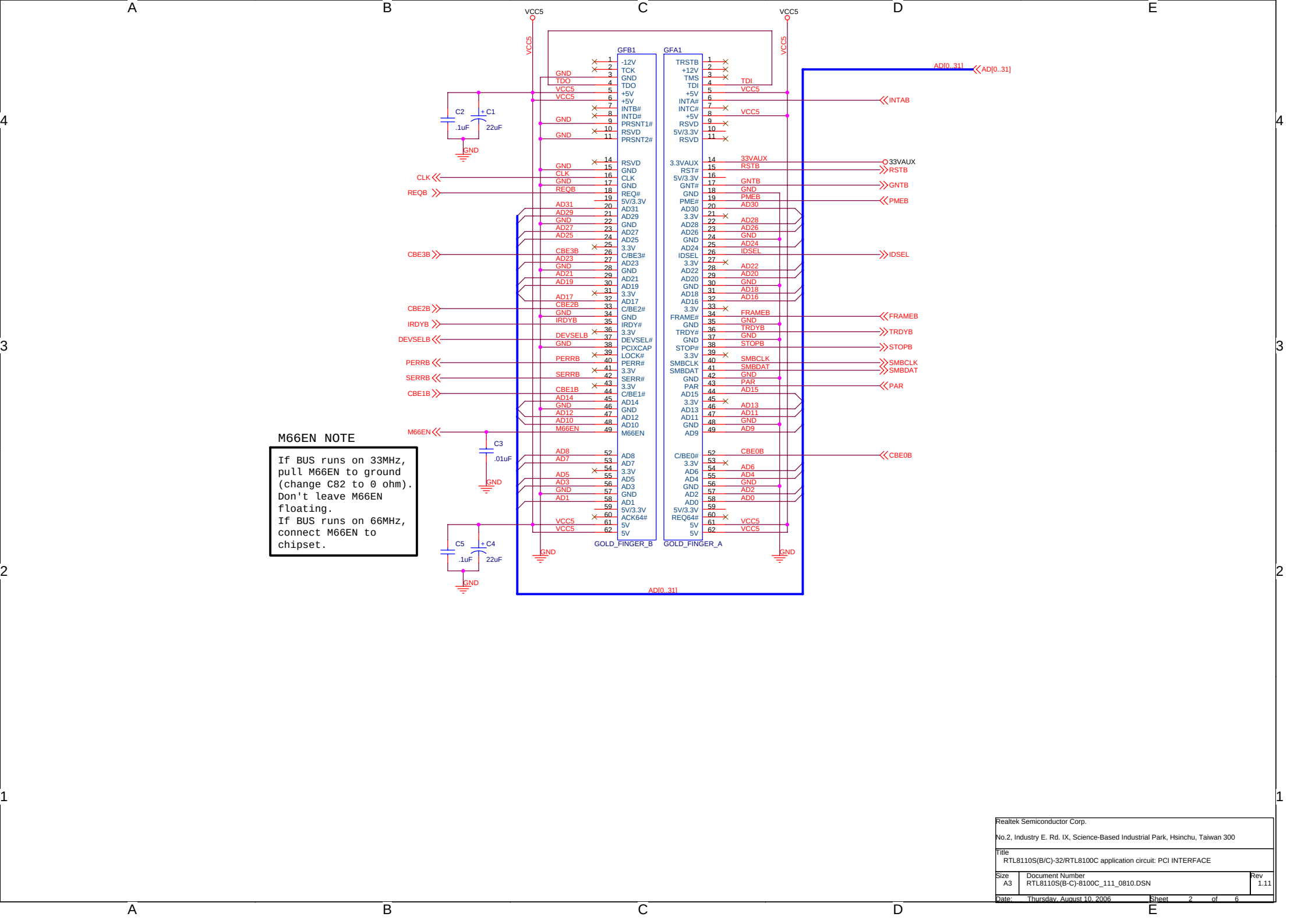
Application Circuit

Rev. 1.11

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Realtek Semiconductor Corp.		
No.2, Industry E. Rd. IX, Science-Based Industrial Park, Hsinchu, Taiwan 300		
Title		
RTL8110S(B/C)-32/RTL8100C application circuit: Index		
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M66EN NOTE

If BUS runs on 33MHz,
pull M66EN to ground
(change C82 to 0 ohm).
Don't leave M66EN
floating.
If BUS runs on 66MHz,
connect M66EN to
chipset.

MODIFICATION FROM VER 1.02 TO VER 1.03

1. For RTL8100C Application: Both L4 & L10 are replaced with 0 Ohm Resistors
2. For RTL8100C Application: R32's value is changed to 5.6K (1%) ohm from 5.9K ohm
3. For RTL8100C/RTL8110S(B) Application: R44's value is changed to 3.6K ohm from 5.6K ohm
4. For RTL8100C Application: Add 10/100 Fast Ethernet Transformer Part No. from PE (H1285)

MODIFICATION FROM VER 1.03 TO VER 1.04

1. For all Applications: R61 is removed since it is no longer required (Page. 5)
2. For all applications : R60 is re-defined and needed for both RTL8110S / RTL8110SB applications but no needed for RTL8100C application (Page 5)
3. For RTL8110SB: Power Pin Definition Table is updated and added with RTL8110SB power pin information (Page 4)

MODIFICATION FROM VER 1.04 TO VER 1.05

1. Change Pin 125 name from CTRL18 to CTRL12/CTRL18 since this pin is used as CTRL12 in RTL8110SB(L) application
2. Add special description of L4 & L10 for RTL8100C(L) application

MODIFICATION FROM VER 1.05 TO VER 1.06

1. Change description on R58 and R59 in order to have 1.25V output (Limitation of Regulator)

MODIFICATION FROM VER 1.06 TO VER 1.07

1. Add 8111B circuit
2. Change netlist CTRL12/CTRL18 to CTRL12/18/15 and CTRL25 to CTRL18/25.

MODIFICATION FROM VER 1.07 TO VER 1.08

1. Add R50 between pin10 of U8 and C57
2. Add description table for CTRL12/18/15 and CTRL18/25.

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MODIFICATION FROM VER 1.08 TO VER 1.09

- 1. Add RTL8110SC circuit.

MODIFICATION FROM VER 1.09 TO VER 1.10

- 1. Change L8 to 0 ohm when RTL8110s(B-C) is used.
- 2. Remove RTL8111B related circuit.
- 3. Aadd Resistor R80 0 ohm for RL8110S(B/C) application.

MODIFICATION FROM VER 1.10 TO VER 1.11

- 1. Add layout guildeline for PIN 88-M66EN.

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