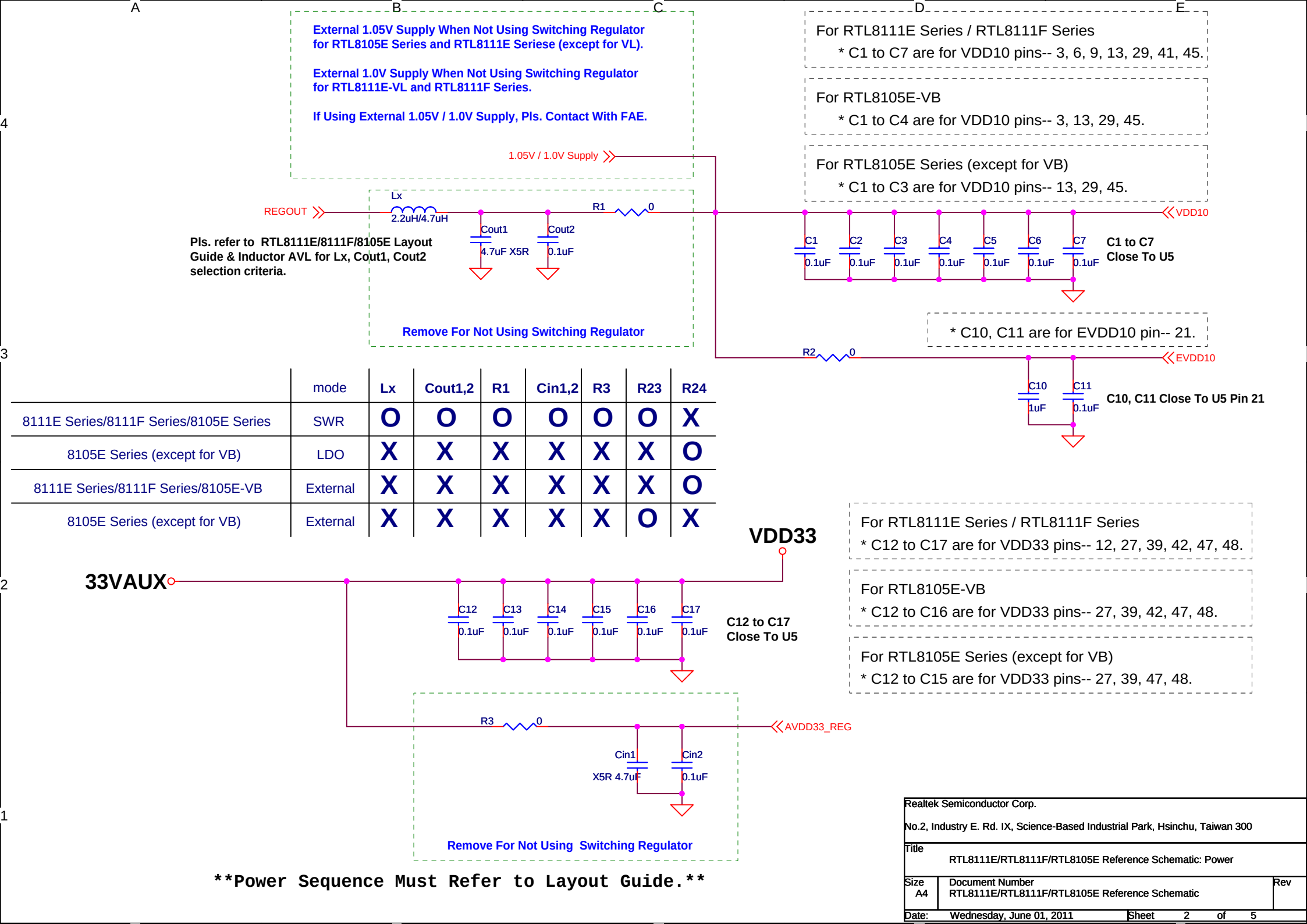


RTL8111E/RTL8111F/RTL8105E 48 Pin Reference Schematic V111

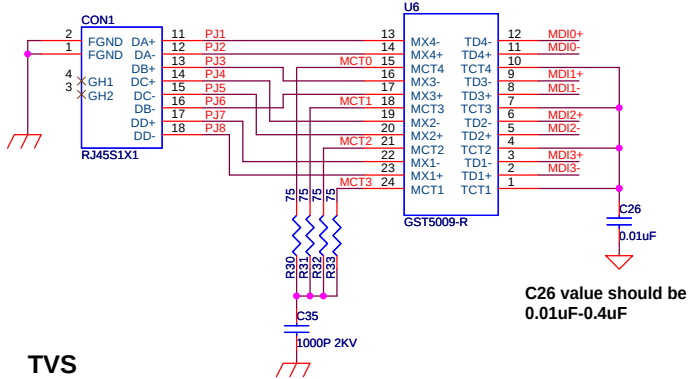
PAGE INDEX

1. Title Page
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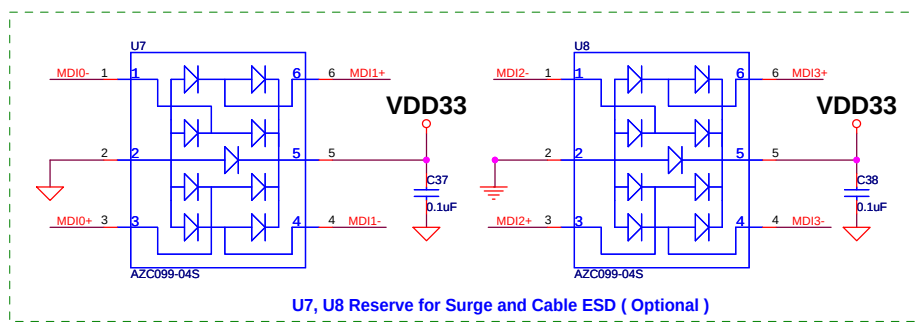
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Title		
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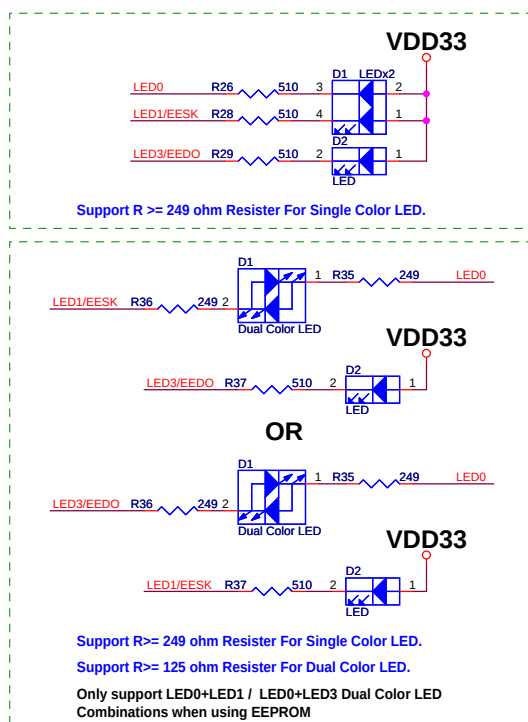
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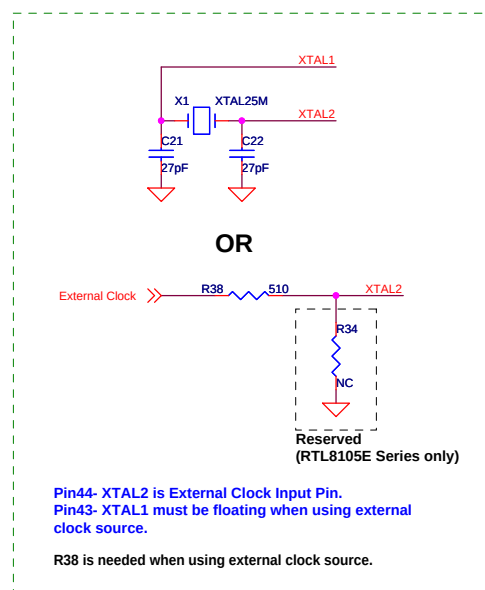
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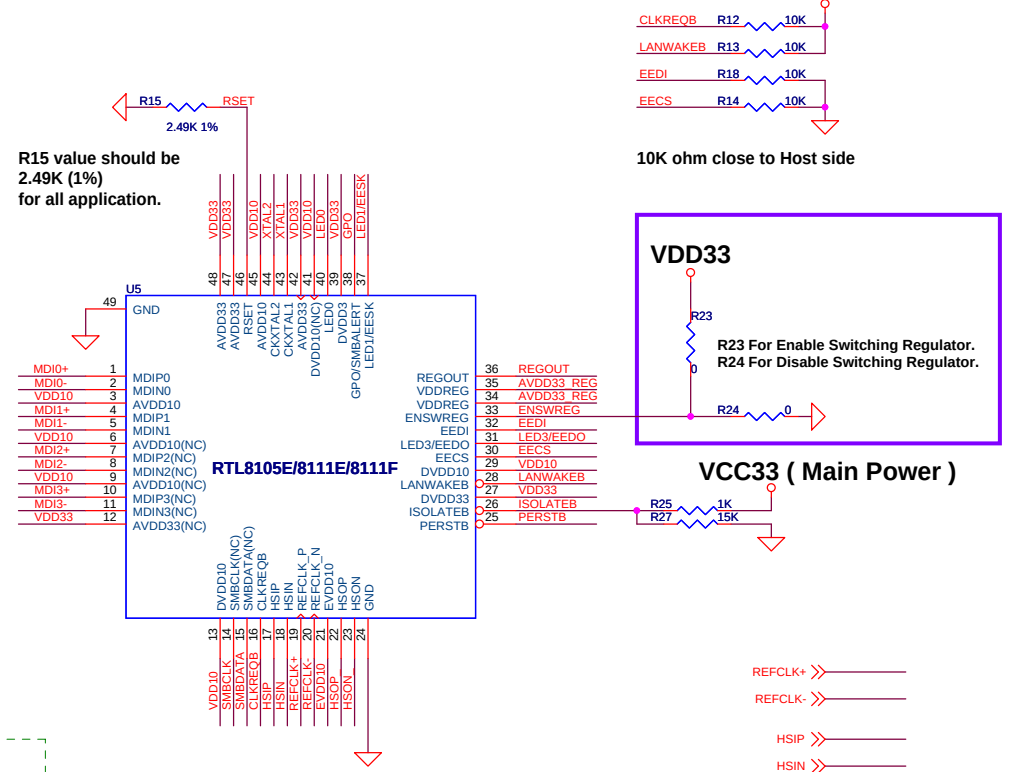
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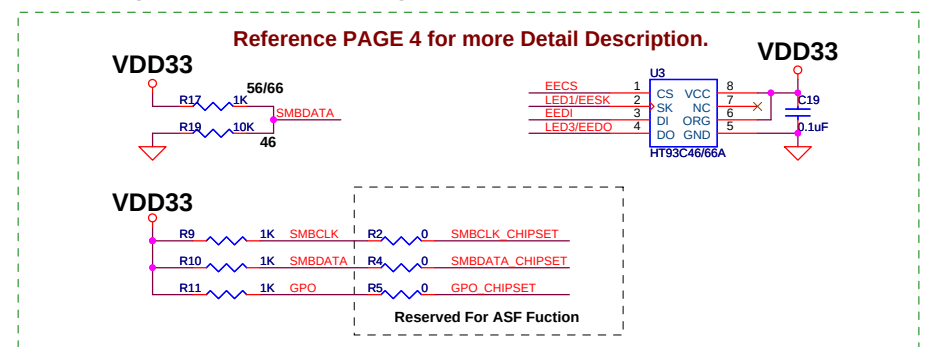
XTAL/OSC



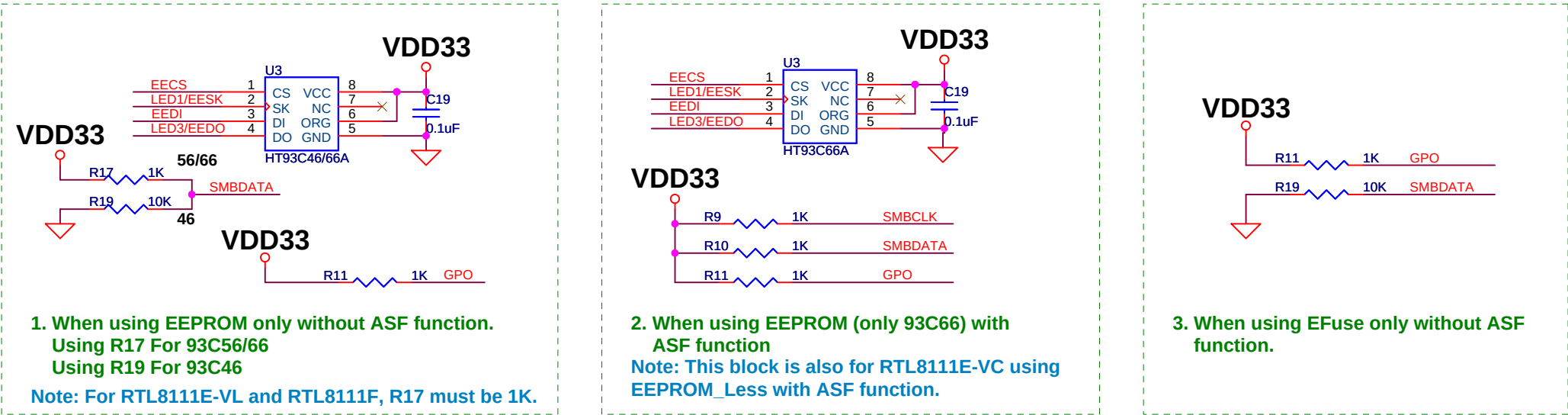
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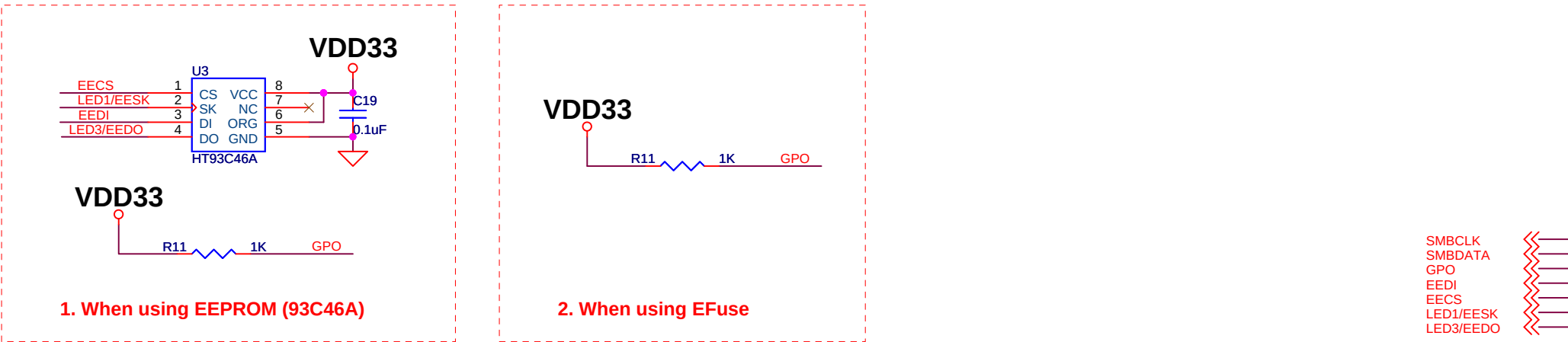
Function (EEPROM, Efuse, ASF)



For RTL8111E Series and RTL8111F Series EEPROM / ASF / Efuse Function (3 Option)



For RTL8105E Series EEPROM / Efuse Function (2 Option)



Keep R11 for RTL8105E-VB application
Remove R11 for RTL8105E Series (except for VB)



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Change Notice from 1.00 to 1.01

1. C17 rename to Cin1, C18 rename to Cin2. C8 rename to Cout1, C9 rename to Cout2, L1 rename to Lx to align with SWR Layout Guide (Page 2.)
2. Add supported resistor values for Dual Color LED, supported combinations when using EEPROM (Page 3.)
3. Add R38 for external clock circuit. (Page 3.)

Change Notice from 1.01 to 1.02

1. Update Pin name(Pin3, Pin47) For RTL8105E.(Page 3.)
2. Update Capacitor Description For RTL8105E and RTL8111E. (Page 2.)
3. Modify Center tap Schematic for Power Optimization. Center tap short and coconnector 1uF to GND.(Page 3.)
4. Add RTL8105E Optional Function Schematic.(Page 4.)

Change Notice from 1.02 to 1.03

1. Modify Efuse Autoload Schematic, SMBDATA Pull Down. (Page 4.)

Change Notice from 1.03 to 1.04

1. Remove TWSI Schematic. (Page 3 & 4.)
2. Remove TWSI Share Pin Name. (Page 3 & 4.)
3. Add Note For Lanwakeb & Clkreqb.(Page 3.)
4. Add Note For Function Option for Using Efuse/BIOS Patch.(Page 4.)

Change Notice from 1.04 to 1.05

1. Add Resistor For SMB Bus.(Page 3.)
2. Add C26 Value Note.(Page 3.)
3. Add SWR Power Sequence Note.(Page2.)

Change Notice from 1.05 to 1.06

1. Modify Power Mode Table. (Page 2.)
2. Remove C4, C16 For RTL8105E-VC. (Page 2.)
3. Modify Lx Value and Update Note. (Page 2.)
4. Modify C26 Value Note. (Page 3.)

Change Notice from 1.06 to 1.07

1. Remove XTAL14.318M from XTAL Circuit. (Page 3.)

Change Notice from 1.07 to 1.08

1. Modify R17 Value. (Page 3 & 4.)
2. Add note for RTL8111E-VL and RTL8111E-VC (Page 4.)
3. Remove R11 for RTL8105E-VC. (Page 4.)

Change Notice from 1.08 to 1.09

1. Modify Note For RTL8105E Series. (Page 2.)
2. Modify Note For RTL8105E Series EEPROM / Efuse Function. (Page 4.)

Change Notice from 1.09 to 1.10

1. Add Note For RTL8111F Series.
2. Modify Note For External Power Supply When Not Using Switching Regulator (Page 2.)

Change Notice from 1.10 to 1.11

1. Add Reserved Resistor When Using External Clock For RTL8105E Series (Page 3.)

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