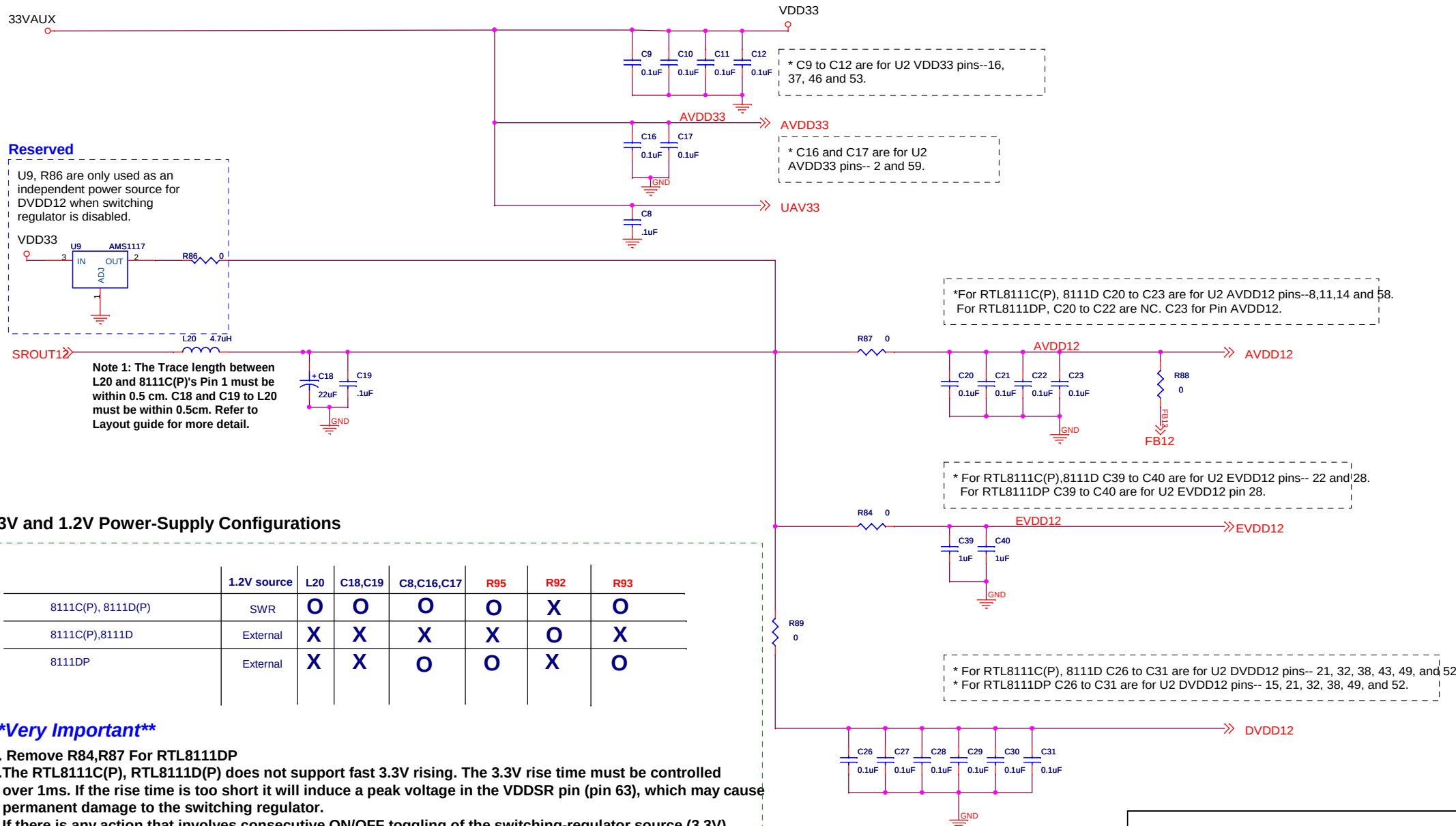


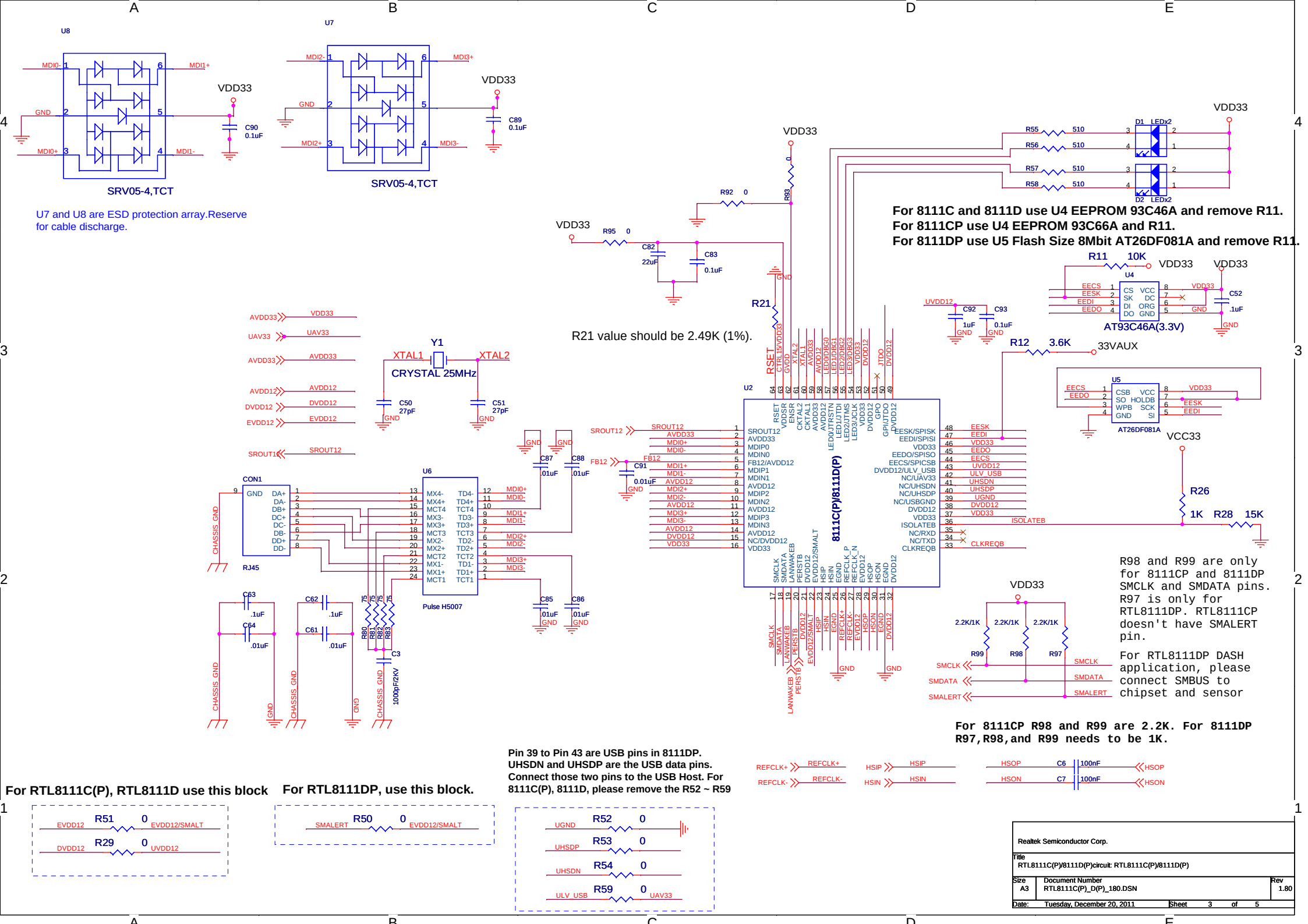
# RTL8111C(P)/8111D(P) circuit

Rev. 1.90

## PAGE INDEX

- 1. Title page
- 2. POWER
- 3. RTL8111C(P)/8111D(P)
- 4. X Change Note 1
- 5. X Change Note 2





## Change Notice from 1.00 to 1.01

1. Update decoupling capacitors and comment (Page 2).
2. Change R66 to Bead (Page 2).
3. Update U4 and U5 comment for each product. Update U5 part name. (Page 3)
4. Pin R34 and R35 changed to NC pins (Page 3).
5. Remove R101 and R102 and add R98 and R99(Page 3)
6. Add R11 10K for 8111CP application(Page 3)

## Change Notice from 1.01 to 1.10

1. Add C8, C32, U9, R84, R85, R86 and R87. (page 2)
2. Change L4 to R84 0 ohm. Remove R88. (Page 2)
3. Change component R90's connection and resistance. value(page 3)
4. Add R95 0 ohm for disable switching regulator. (Page 3)
5. Remove R91 to R93. (Page 3)
6. Add R97 for SMALERT pin. (Page 3)
7. Add C91 at FB12 for better EMI performance. (Page 3)

## Change Notice from 1.10 to 1.20

1. RTL811DP Pin chage. Change pin 22 to SMALT. Change Pin 15 to DVDD12 . (page 3)

## Change Notice from 1.20 to 1.30

1. Change C39 and C40 to 1uF. (page 2)
2. Update ESD Protection Array reference part to SRV05-4,TCT. (Page 3)

## Change Notice from 1.30 to 1.40

1. Update Disable/Enable Switching regulator circuit. Add R92 and R93(Page 3).

## Change Notice from 1.40 to 1.50

1. FB12 Signal connect to AVDD12(Page 2).
2. Add R29 for RTL8111CP(Page 3).
3. Add C92,C93 for USB Power(Page 3) .

## Change Notice from 1.50 to 1.60

1. Add comment about R97,R98,R99 values in CP and DP application.

## Change Notice from 1.60 to 1.70

1. Remove R90 and R94.

|                                                    |                                             |              |
|----------------------------------------------------|---------------------------------------------|--------------|
| Realtek Semiconductor Corp.                        |                                             |              |
| Title<br>RTL8111C(P)/8111D(P)circuit: Change Notes |                                             |              |
| Size<br>A                                          | Document Number<br>RTL8111C(P)_D(P)_180.DSN | Rev<br>1.80  |
| Date:                                              | Monday, December 19, 2011                   | Sheet 4 of 5 |

Change Notice from 1.70 to 1.80

- 1. RTL8111DP Pin change. Change pin 5 to FB12/AVDD12. Change pin 39 to USBGND. Change pin 41 to UHSDN. Change pin 57 to LED0/JTRSTN. (page 3).
- 2. Connect UGND to GND. (page 3).
- 3. Change pin 58 net name from ADVDD12 to AVDD12. (page 3).
- 4. Add comment about SMBUS in DP application. (page 3).
- 5. Modify comment about C20 to C23 in DP application. (page 2).

Change Notice from 1.80 to 1.90

- 1. Add R52, R53, R54 and R59. (page 3).
- 2. Modify comment about R29,R50 and R51. (page 3).
- 3. Add 3.3V and 1.2V Power-Supply Configurations table. (page 2).
- 4. Modify comment about C20~C23. (page 2).
- 5. Modify comment about C39~C40. (page 2).
- 6. Modify comment about C26~C31. (page 2).

|                                                    |                                             |       |             |
|----------------------------------------------------|---------------------------------------------|-------|-------------|
| Realtek Semiconductor Corp.                        |                                             |       |             |
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| Date:                                              | Tuesday, December 20, 2011                  | Sheet | 5 of 5      |