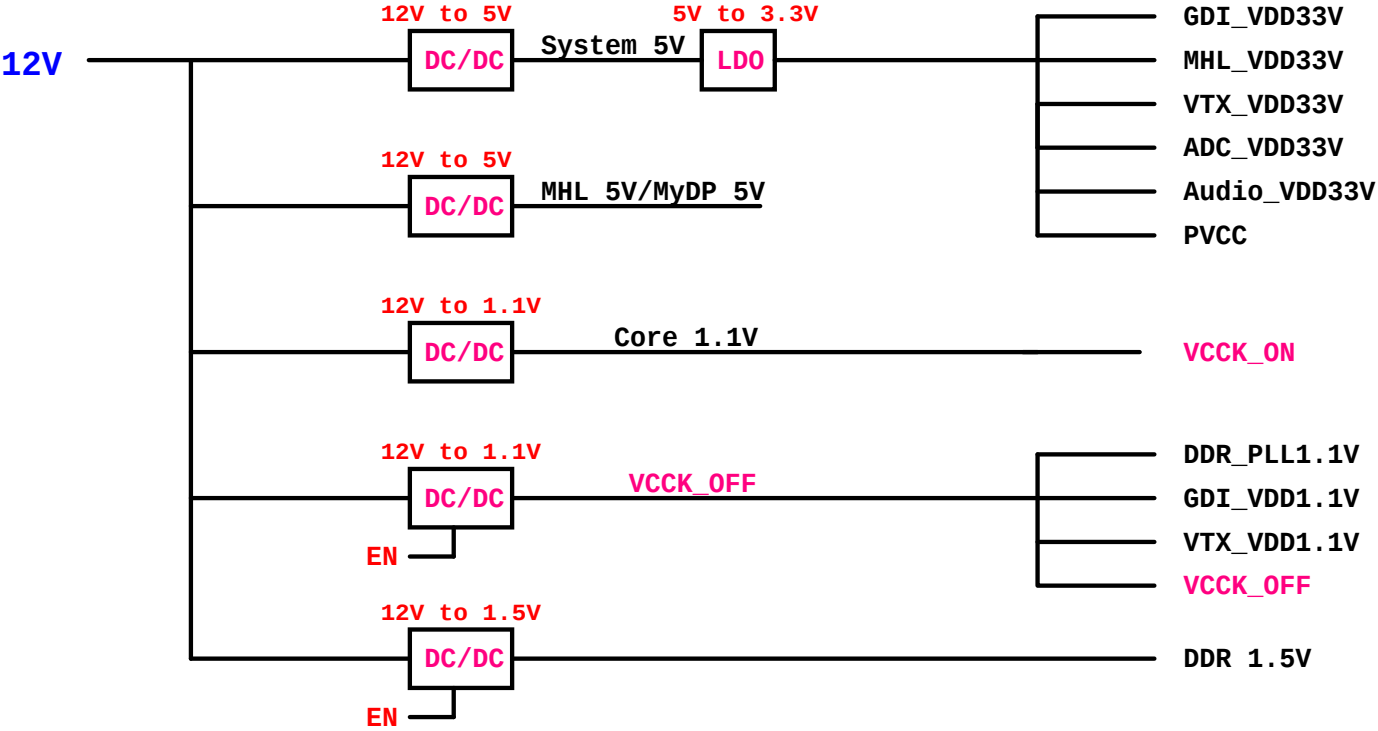




|       |                         |  |         |   |       |
|-------|-------------------------|--|---------|---|-------|
| Title |                         |  | VCB1340 |   |       |
| Size  | Document Number         |  |         |   | Rev   |
| B     | 01.POWER TREE           |  |         |   | AA    |
| Date: | Tuesday, April 21, 2015 |  | Sheet   | 1 | of 17 |

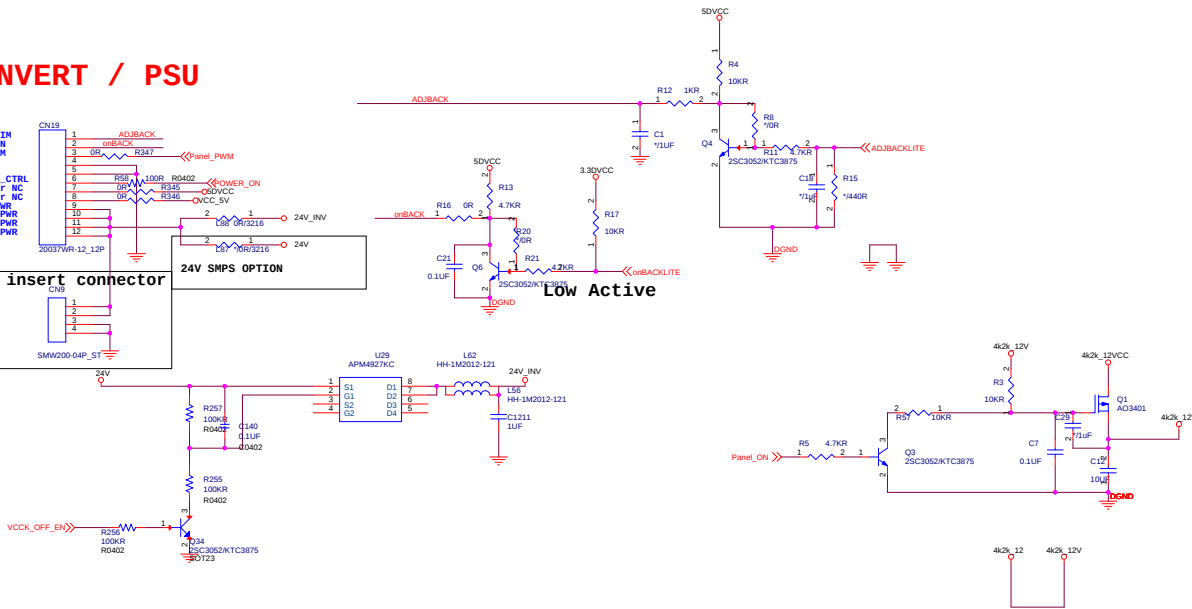
# INVERT / PSU

1. INV\_DIM
2. INV\_ON
3. DIM\_PWM
4. GND
5. GND
6. POWER\_CTRL
7. SVS or NC
8. INV\_PWR
9. INV\_PWR
10. INV\_PWR
11. INV\_PWR
12. INV\_PWR

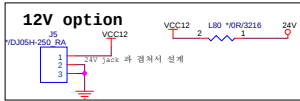
When FRC, insert connector

24V SMPS OPTION

Low Active

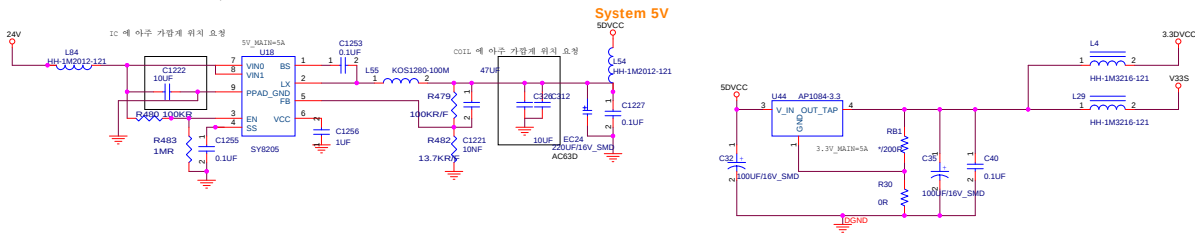


12V option



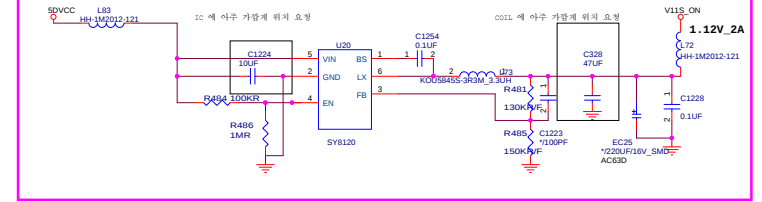
12V R472 : 510KR/F R477: 27KR/F  
10V R472 : 680KR/F R477: 43KR/F  
12.5V R472 : 150KR/F R477: 7.5KR/F

$V_{out} = 0.6(1+R1/R2)$   
R1, R2 10K ~ 1MR



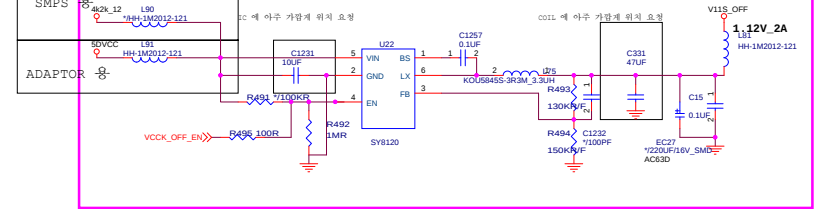
$V_{out} = 0.6(1+R1/R2)$   
R1, R2 10K ~ 1MR

V1.1 VCCK ON



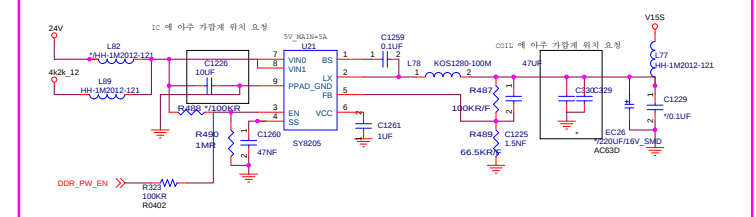
$V_{out} = 0.6(1+R1/R2)$   
R1, R2 10K ~ 1MR

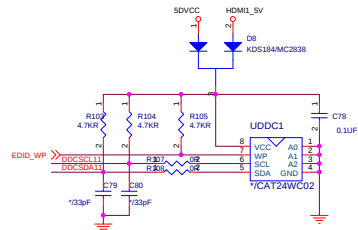
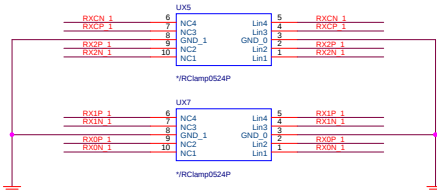
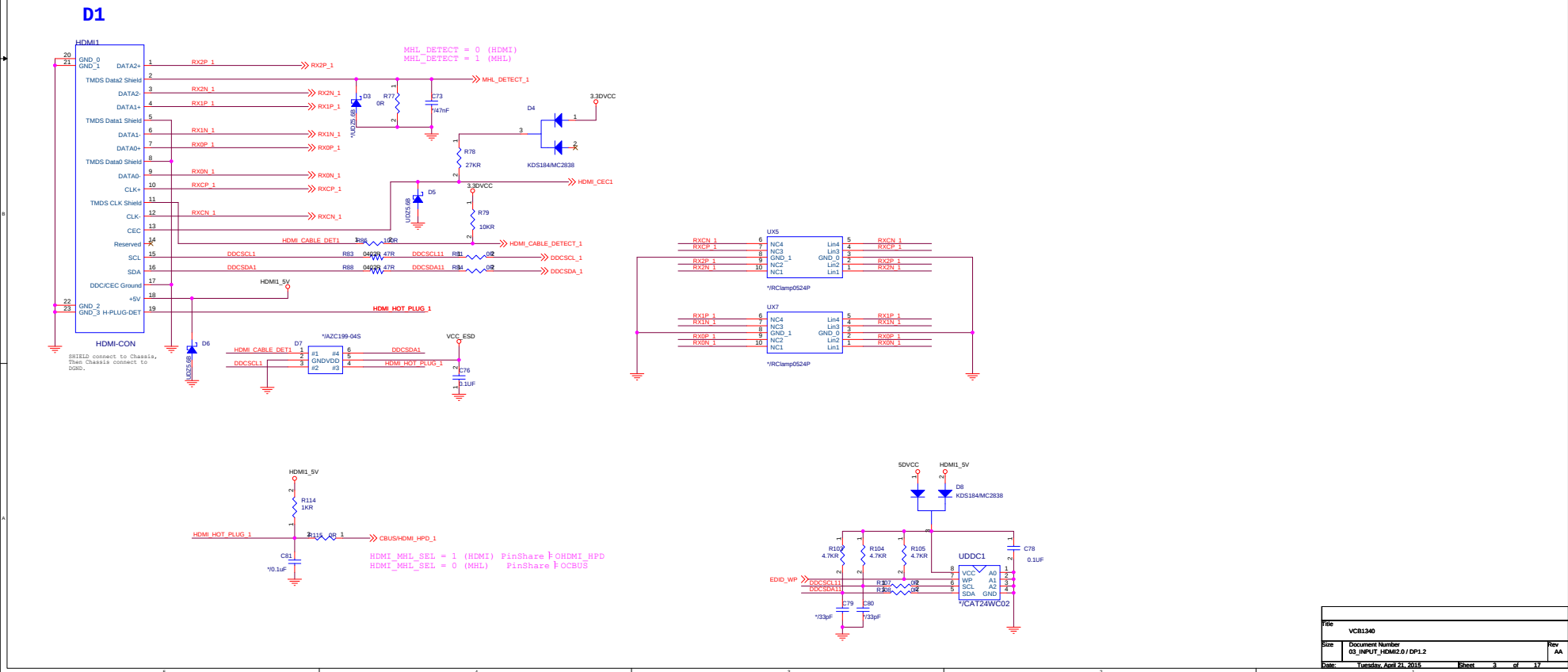
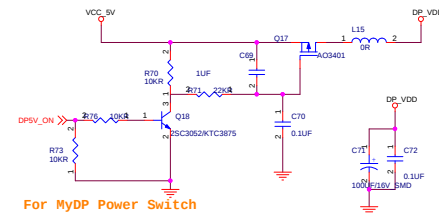
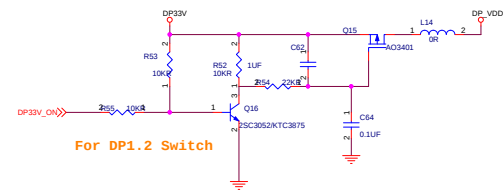
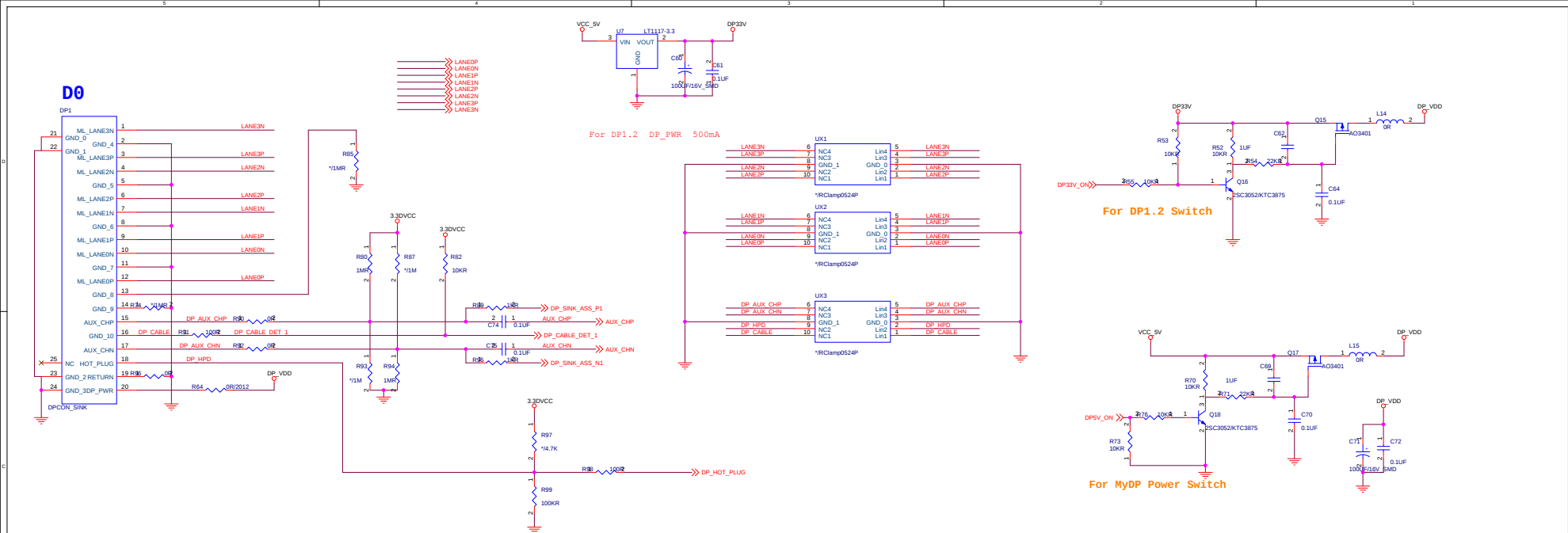
V1.1 VCCK OFF



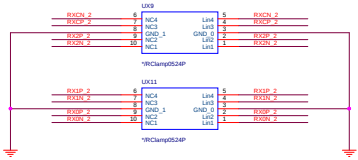
$V_{out} = 0.6(1+R1/R2)$   
R1, R2 10K ~ 1MR

V1.5 DDR

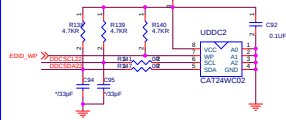
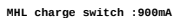




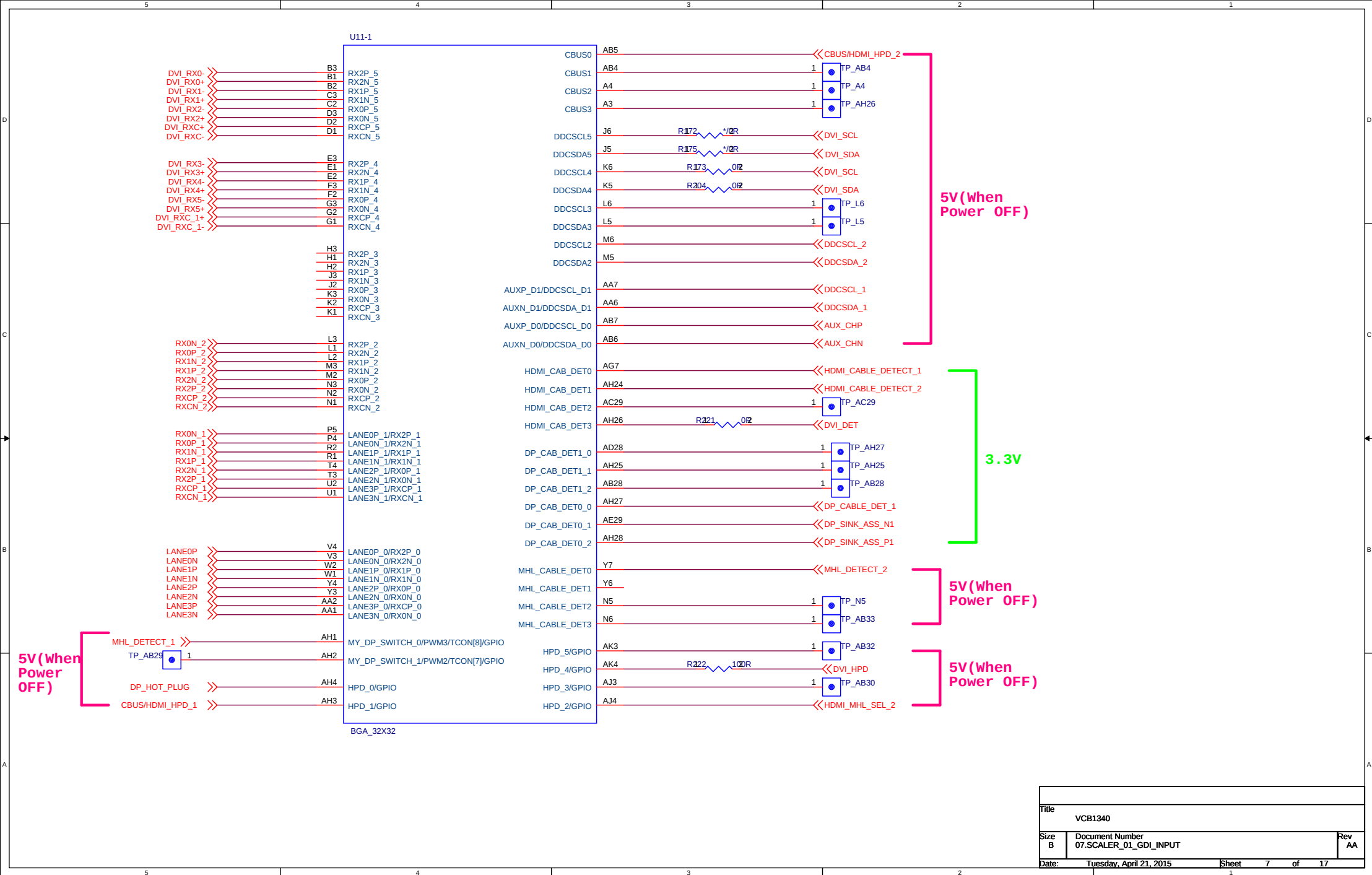
**D2**



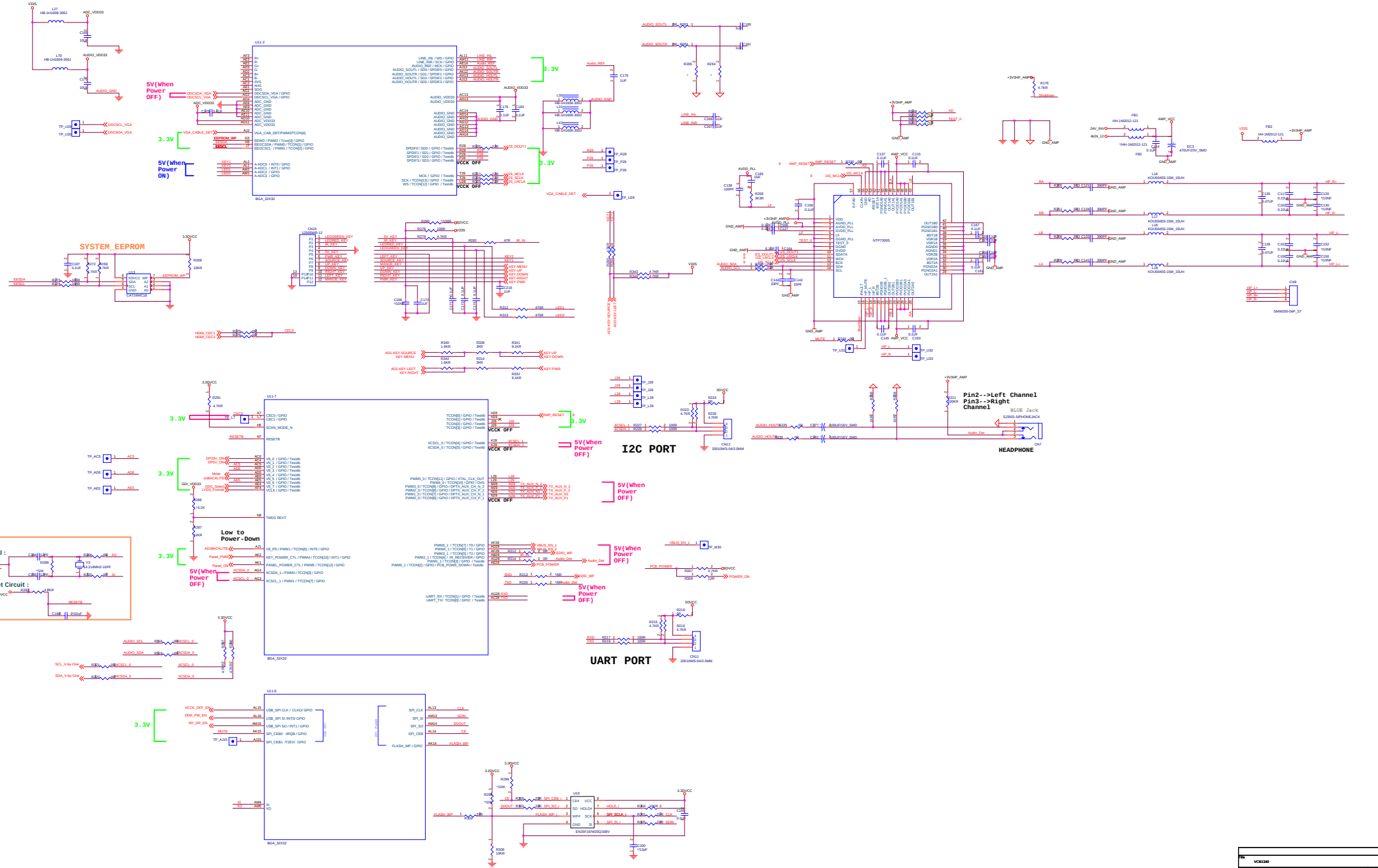
## HDMI\_MHL switch circuit



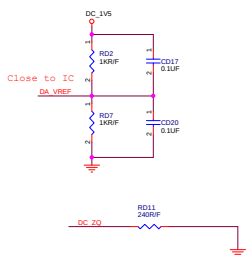
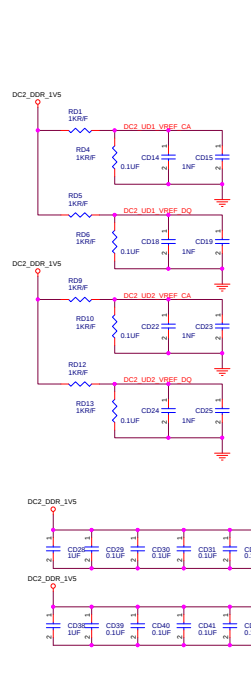
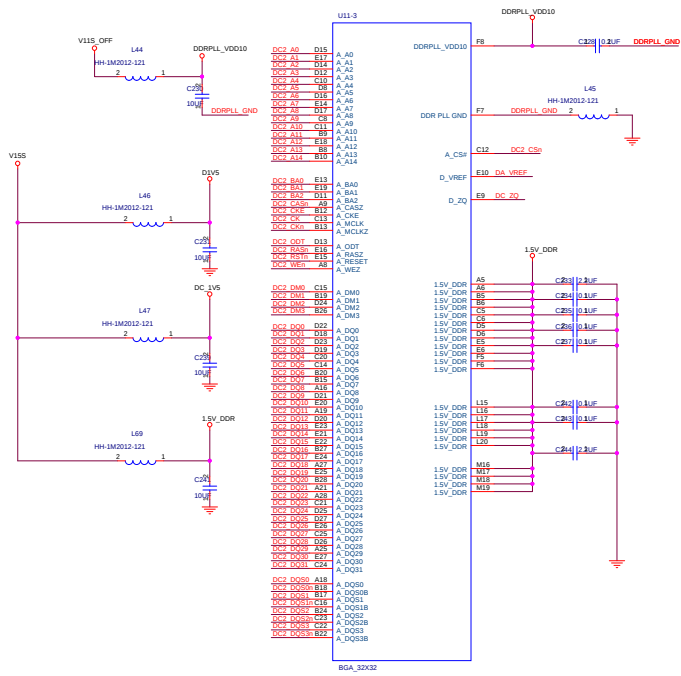




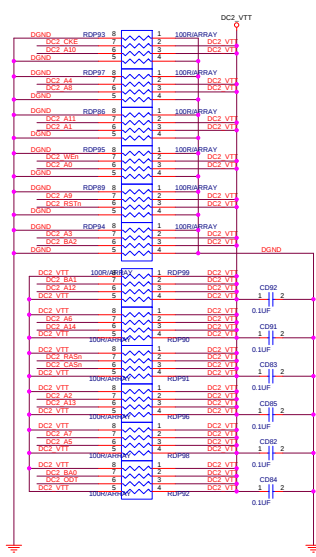
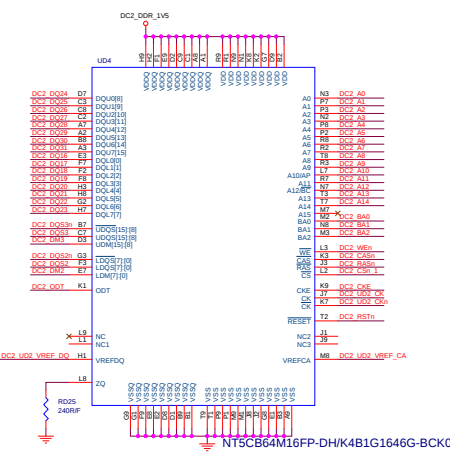
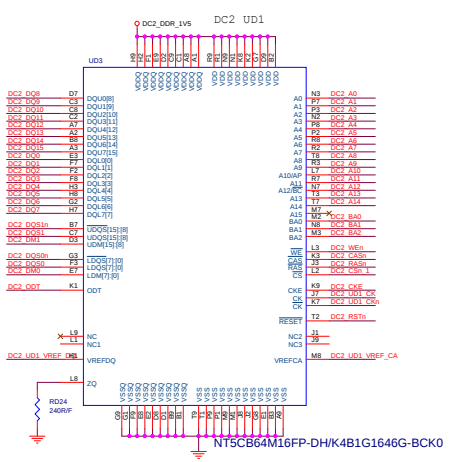
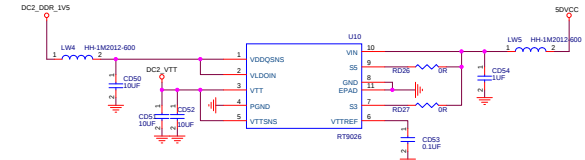
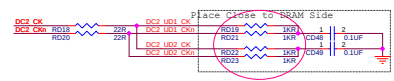
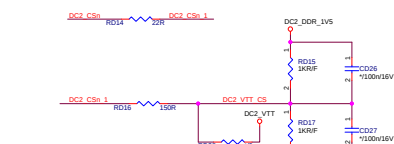


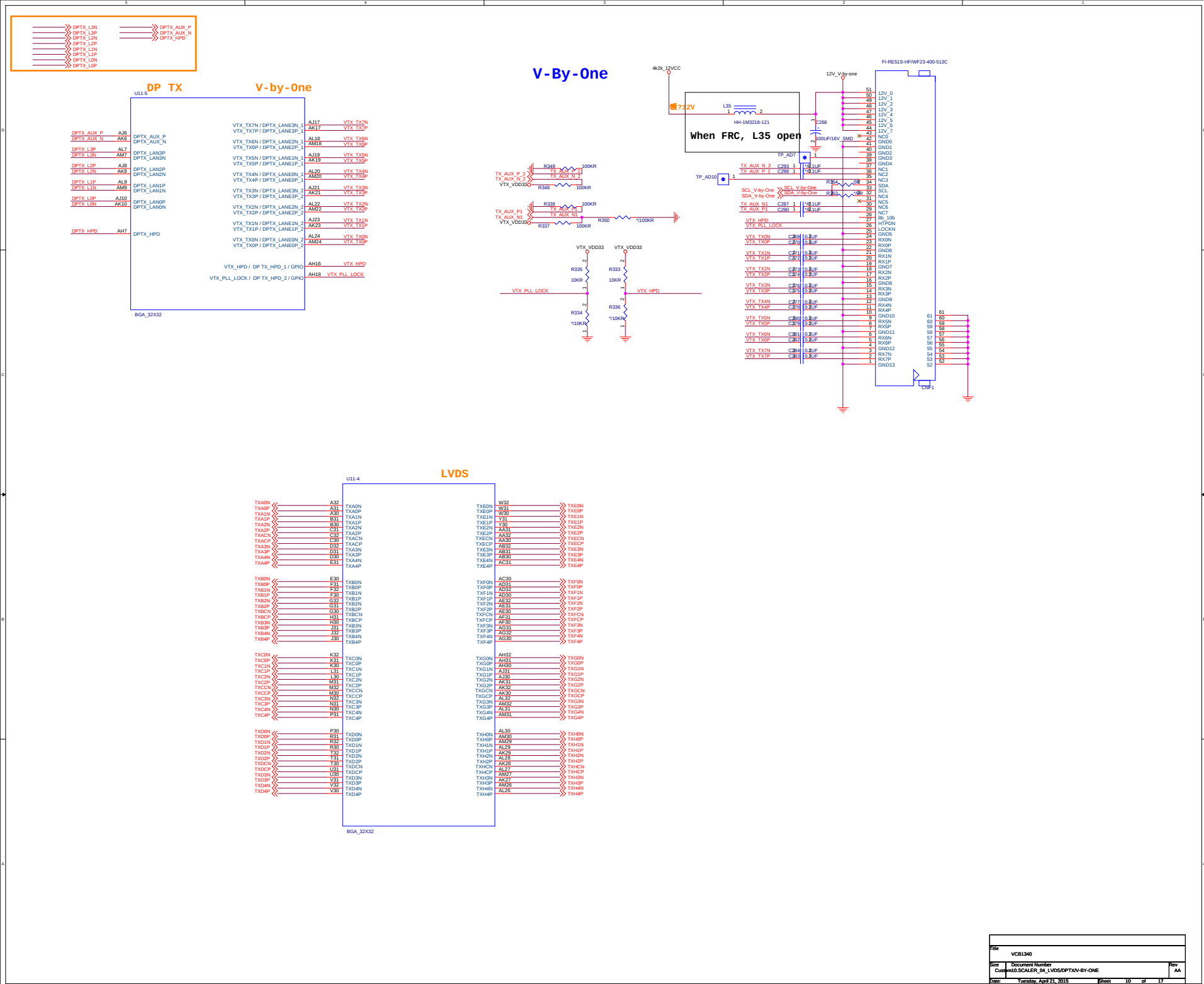


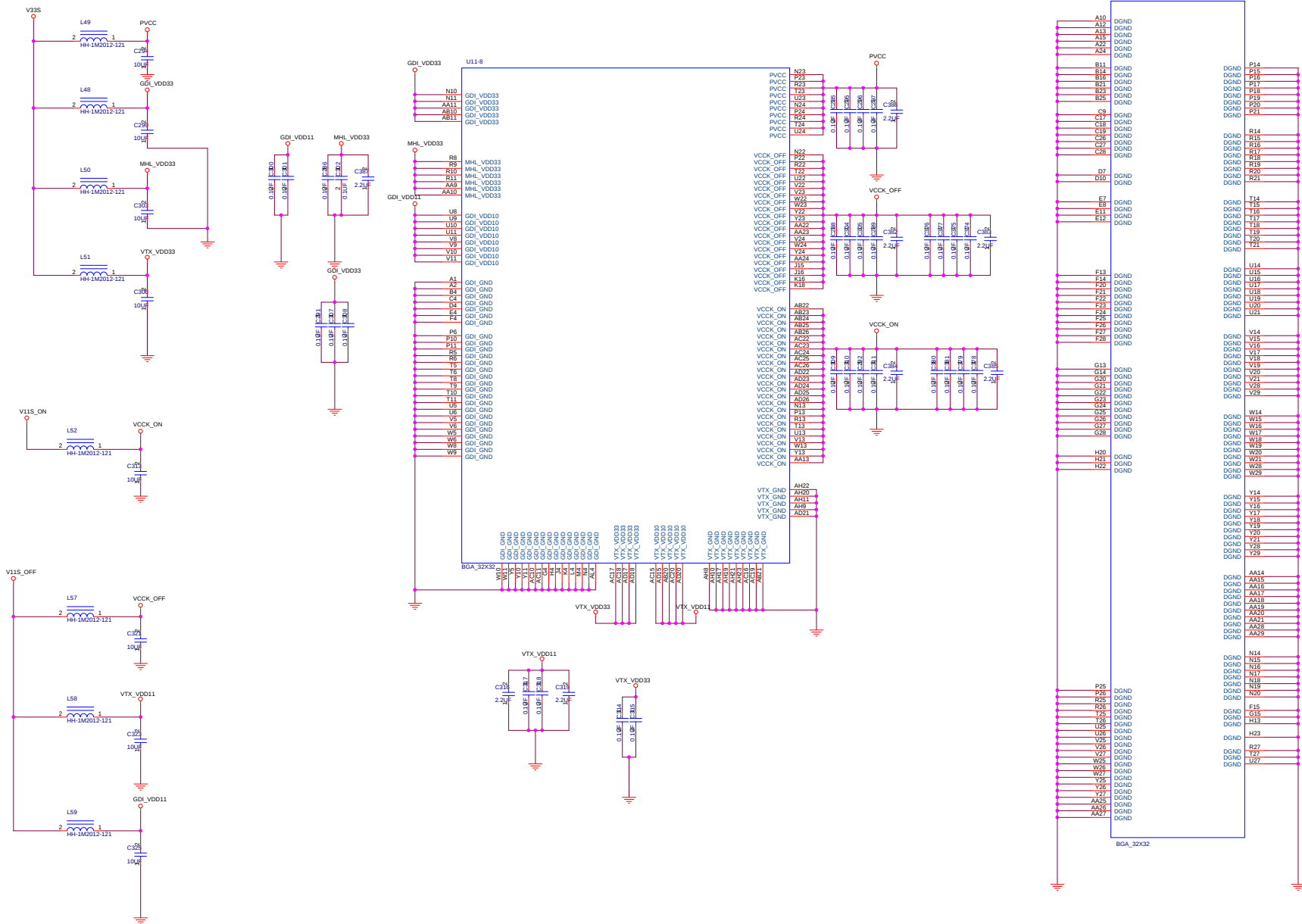
|     |            |       |          |      |
|-----|------------|-------|----------|------|
| Ref | Designator | Value | Quantity | Unit |
| 1   | R1         | 10K   | 1        | PCB  |
| 2   | R2         | 10K   | 1        | PCB  |
| 3   | R3         | 10K   | 1        | PCB  |
| 4   | R4         | 10K   | 1        | PCB  |
| 5   | R5         | 10K   | 1        | PCB  |
| 6   | R6         | 10K   | 1        | PCB  |
| 7   | R7         | 10K   | 1        | PCB  |
| 8   | R8         | 10K   | 1        | PCB  |
| 9   | R9         | 10K   | 1        | PCB  |
| 10  | R10        | 10K   | 1        | PCB  |
| 11  | R11        | 10K   | 1        | PCB  |
| 12  | R12        | 10K   | 1        | PCB  |
| 13  | R13        | 10K   | 1        | PCB  |
| 14  | R14        | 10K   | 1        | PCB  |
| 15  | R15        | 10K   | 1        | PCB  |
| 16  | R16        | 10K   | 1        | PCB  |
| 17  | R17        | 10K   | 1        | PCB  |
| 18  | R18        | 10K   | 1        | PCB  |
| 19  | R19        | 10K   | 1        | PCB  |
| 20  | R20        | 10K   | 1        | PCB  |
| 21  | R21        | 10K   | 1        | PCB  |
| 22  | R22        | 10K   | 1        | PCB  |
| 23  | R23        | 10K   | 1        | PCB  |
| 24  | R24        | 10K   | 1        | PCB  |
| 25  | R25        | 10K   | 1        | PCB  |
| 26  | R26        | 10K   | 1        | PCB  |
| 27  | R27        | 10K   | 1        | PCB  |
| 28  | R28        | 10K   | 1        | PCB  |
| 29  | R29        | 10K   | 1        | PCB  |
| 30  | R30        | 10K   | 1        | PCB  |
| 31  | R31        | 10K   | 1        | PCB  |
| 32  | R32        | 10K   | 1        | PCB  |
| 33  | R33        | 10K   | 1        | PCB  |
| 34  | R34        | 10K   | 1        | PCB  |
| 35  | R35        | 10K   | 1        | PCB  |
| 36  | R36        | 10K   | 1        | PCB  |
| 37  | R37        | 10K   | 1        | PCB  |
| 38  | R38        | 10K   | 1        | PCB  |
| 39  | R39        | 10K   | 1        | PCB  |
| 40  | R40        | 10K   | 1        | PCB  |
| 41  | R41        | 10K   | 1        | PCB  |
| 42  | R42        | 10K   | 1        | PCB  |
| 43  | R43        | 10K   | 1        | PCB  |
| 44  | R44        | 10K   | 1        | PCB  |
| 45  | R45        | 10K   | 1        | PCB  |
| 46  | R46        | 10K   | 1        | PCB  |
| 47  | R47        | 10K   | 1        | PCB  |
| 48  | R48        | 10K   | 1        | PCB  |
| 49  | R49        | 10K   | 1        | PCB  |
| 50  | R50        | 10K   | 1        | PCB  |
| 51  | R51        | 10K   | 1        | PCB  |
| 52  | R52        | 10K   | 1        | PCB  |
| 53  | R53        | 10K   | 1        | PCB  |
| 54  | R54        | 10K   | 1        | PCB  |
| 55  | R55        | 10K   | 1        | PCB  |
| 56  | R56        | 10K   | 1        | PCB  |
| 57  | R57        | 10K   | 1        | PCB  |
| 58  | R58        | 10K   | 1        | PCB  |
| 59  | R59        | 10K   | 1        | PCB  |
| 60  | R60        | 10K   | 1        | PCB  |
| 61  | R61        | 10K   | 1        | PCB  |
| 62  | R62        | 10K   | 1        | PCB  |
| 63  | R63        | 10K   | 1        | PCB  |
| 64  | R64        | 10K   | 1        | PCB  |
| 65  | R65        | 10K   | 1        | PCB  |
| 66  | R66        | 10K   | 1        | PCB  |
| 67  | R67        | 10K   | 1        | PCB  |
| 68  | R68        | 10K   | 1        | PCB  |
| 69  | R69        | 10K   | 1        | PCB  |
| 70  | R70        | 10K   | 1        | PCB  |
| 71  | R71        | 10K   | 1        | PCB  |
| 72  | R72        | 10K   | 1        | PCB  |
| 73  | R73        | 10K   | 1        | PCB  |
| 74  | R74        | 10K   | 1        | PCB  |
| 75  | R75        | 10K   | 1        | PCB  |
| 76  | R76        | 10K   | 1        | PCB  |
| 77  | R77        | 10K   | 1        | PCB  |
| 78  | R78        | 10K   | 1        | PCB  |
| 79  | R79        | 10K   | 1        | PCB  |
| 80  | R80        | 10K   | 1        | PCB  |
| 81  | R81        | 10K   | 1        | PCB  |
| 82  | R82        | 10K   | 1        | PCB  |
| 83  | R83        | 10K   | 1        | PCB  |
| 84  | R84        | 10K   | 1        | PCB  |
| 85  | R85        | 10K   | 1        | PCB  |
| 86  | R86        | 10K   | 1        | PCB  |
| 87  | R87        | 10K   | 1        | PCB  |
| 88  | R88        | 10K   | 1        | PCB  |
| 89  | R89        | 10K   | 1        | PCB  |
| 90  | R90        | 10K   | 1        | PCB  |
| 91  | R91        | 10K   | 1        | PCB  |
| 92  | R92        | 10K   | 1        | PCB  |
| 93  | R93        | 10K   | 1        | PCB  |
| 94  | R94        | 10K   | 1        | PCB  |
| 95  | R95        | 10K   | 1        | PCB  |
| 96  | R96        | 10K   | 1        | PCB  |
| 97  | R97        | 10K   | 1        | PCB  |
| 98  | R98        | 10K   | 1        | PCB  |
| 99  | R99        | 10K   | 1        | PCB  |
| 100 | R100       | 10K   | 1        | PCB  |



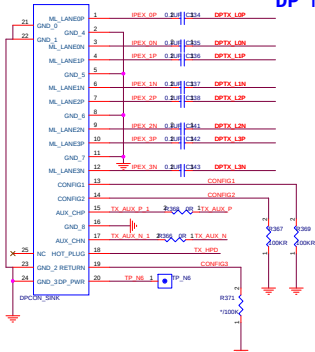
DDR power







# DP MST Daisy-chain out



## DP OUTPUT

