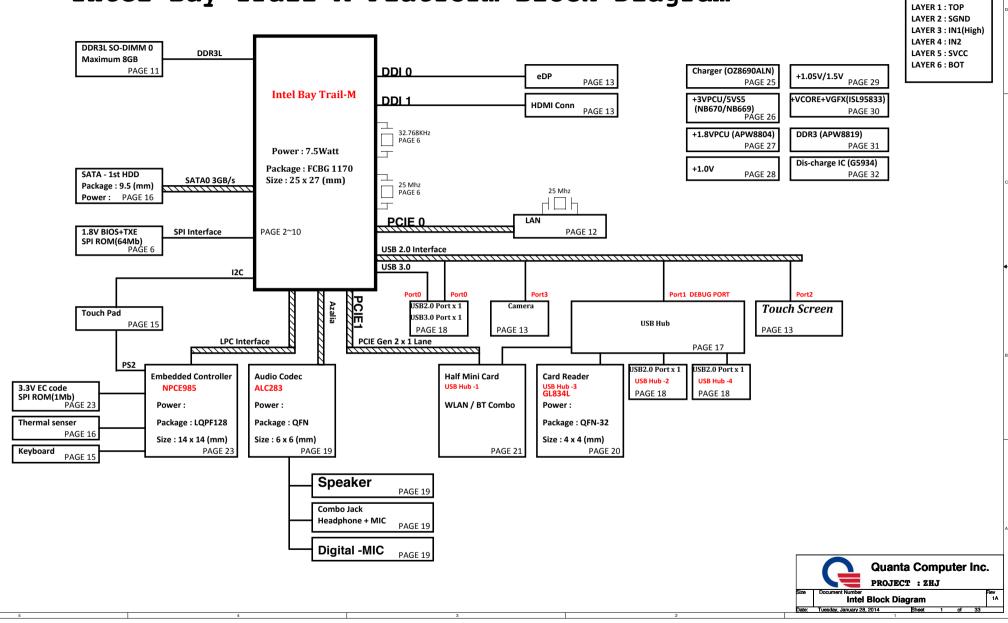
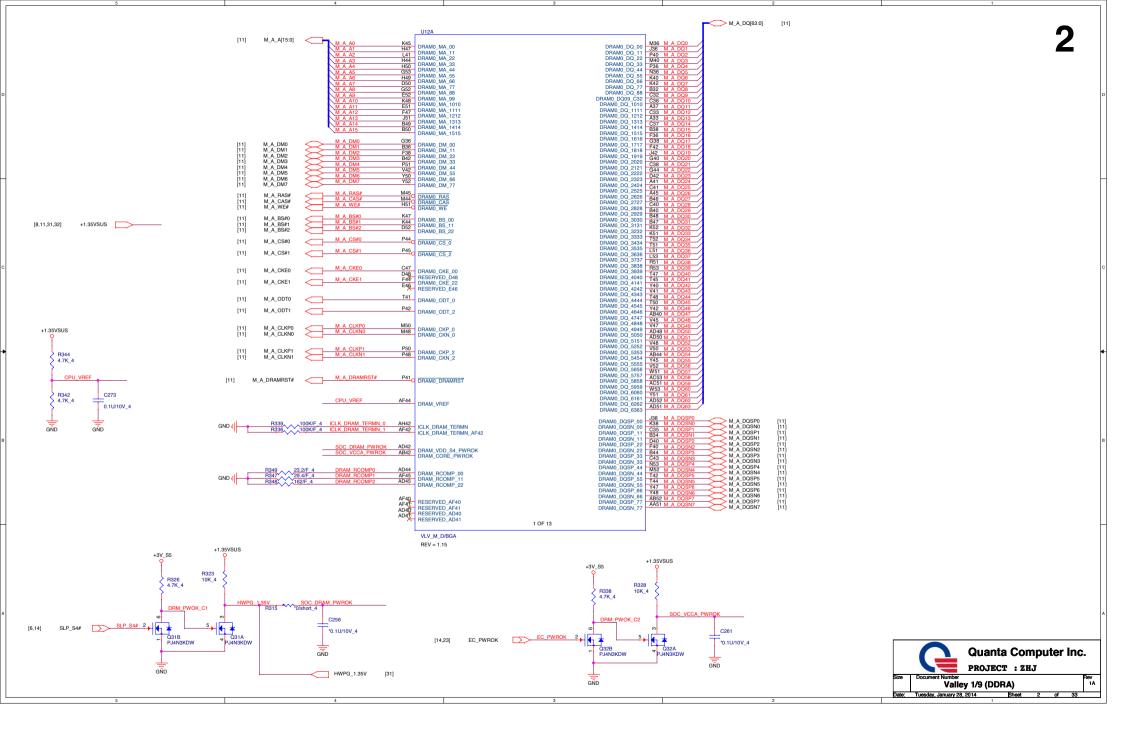
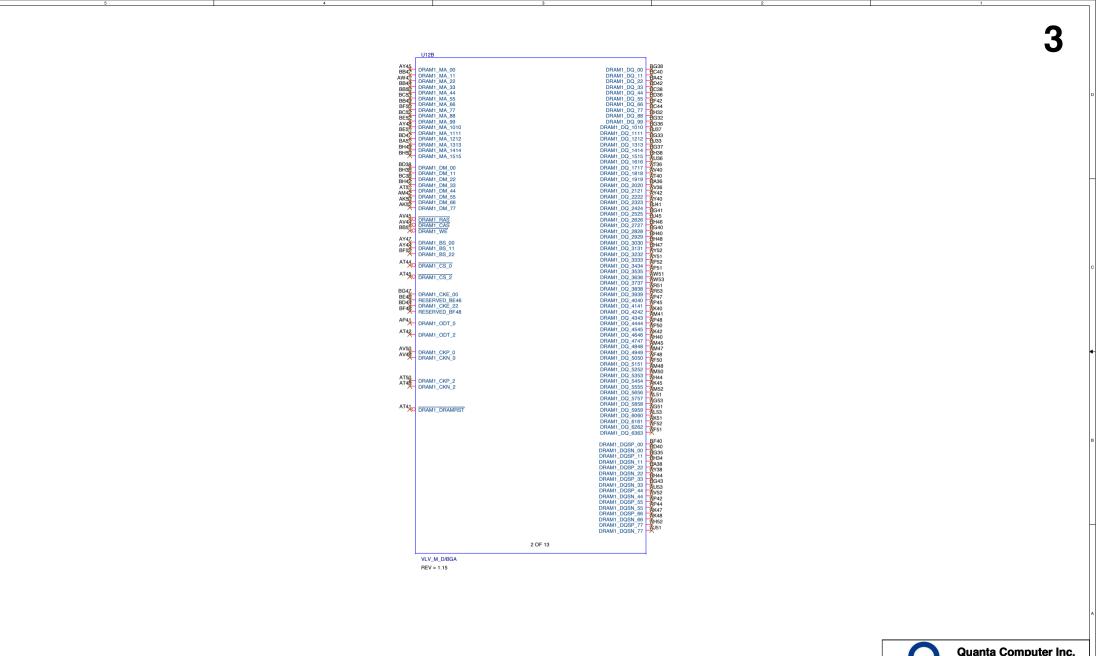
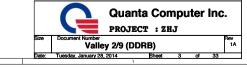
PCB 6L STACK UP

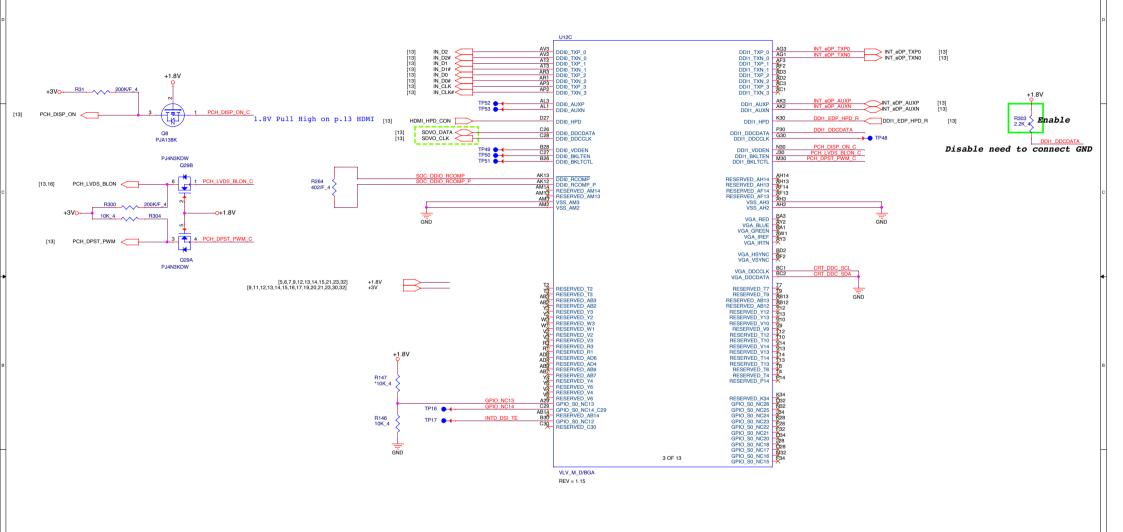
Roxy UMA(11.6") Intel Bay Trail-M Platform Block Diagram



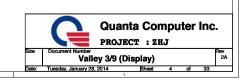


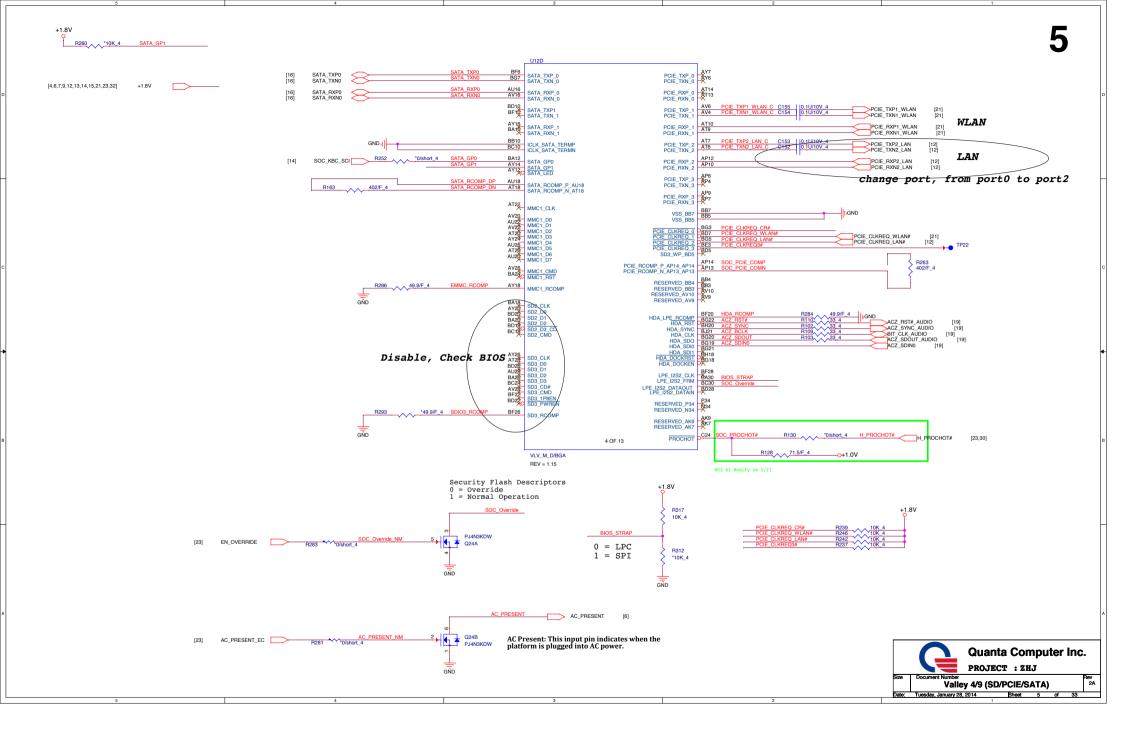


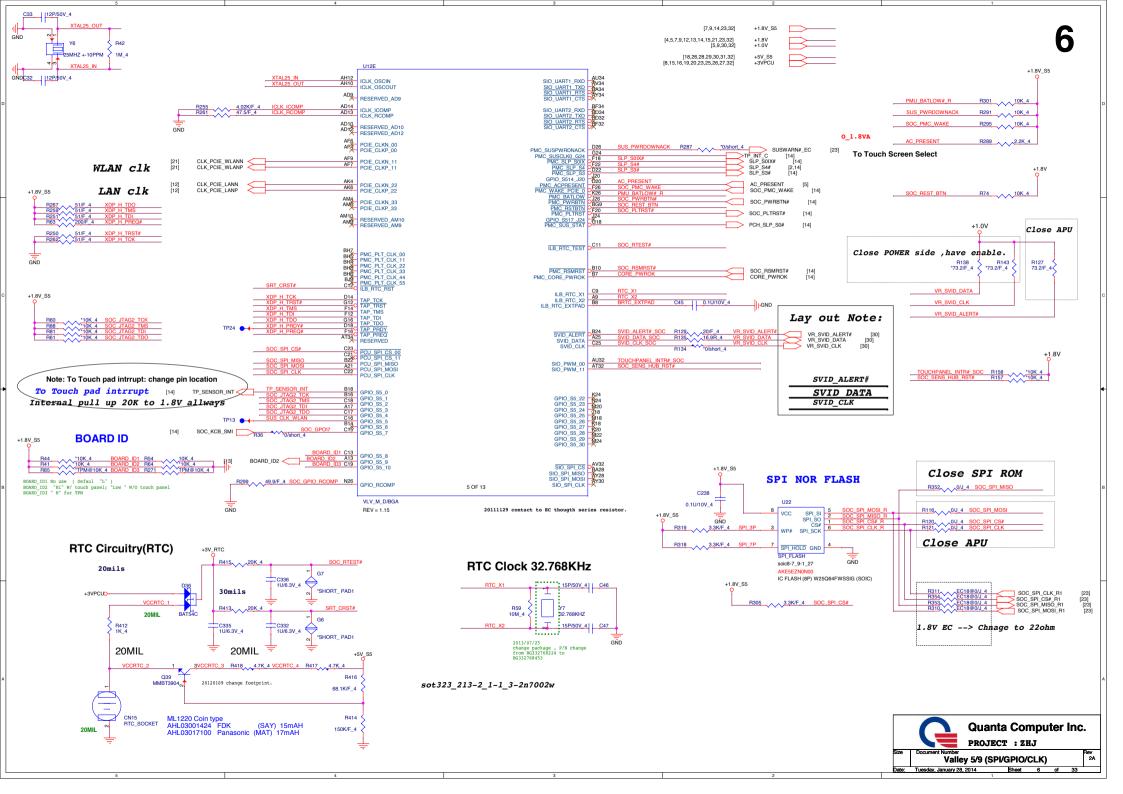


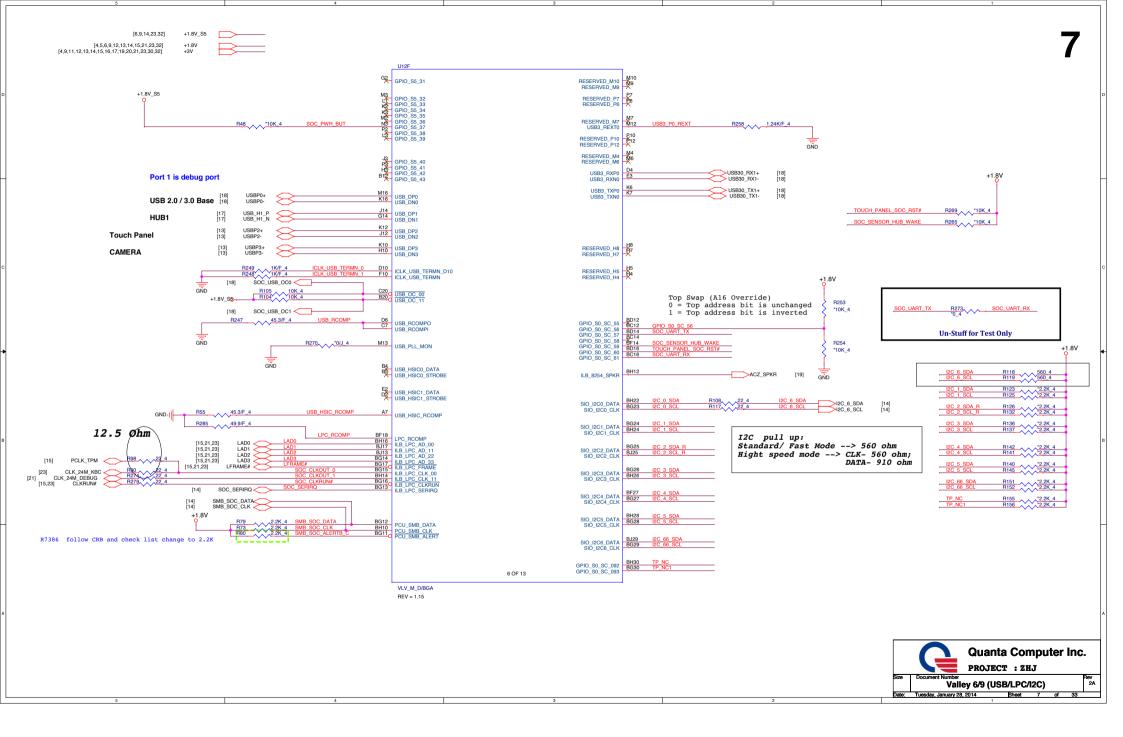


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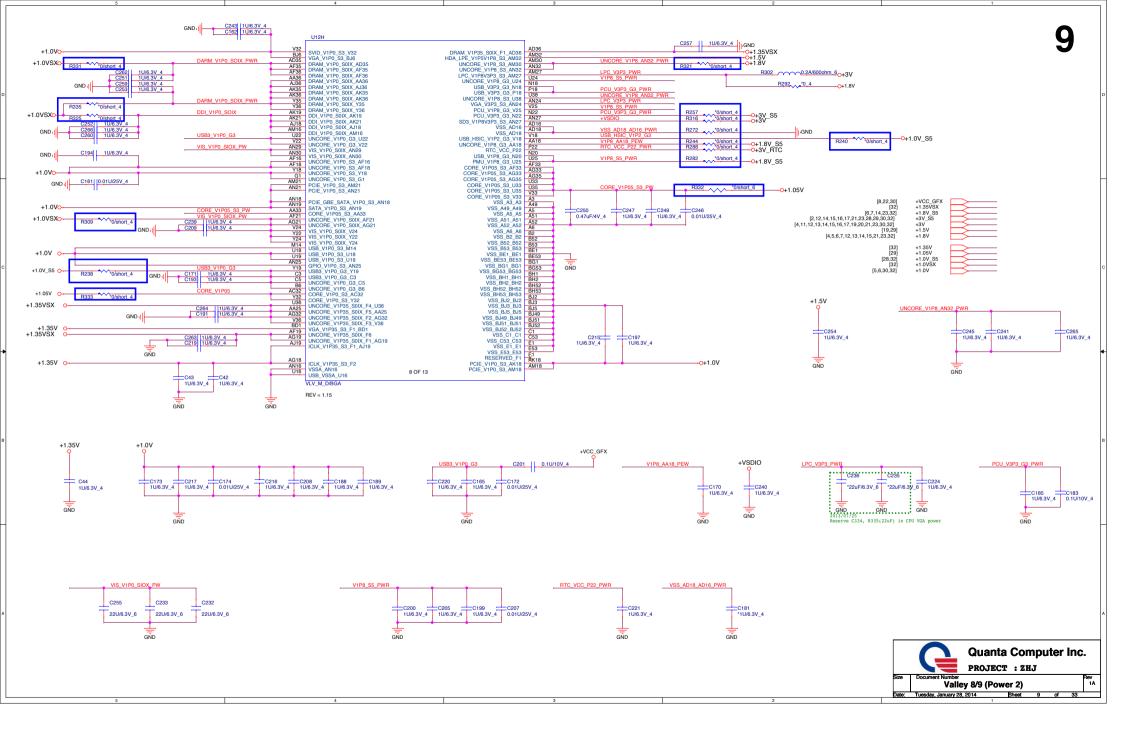


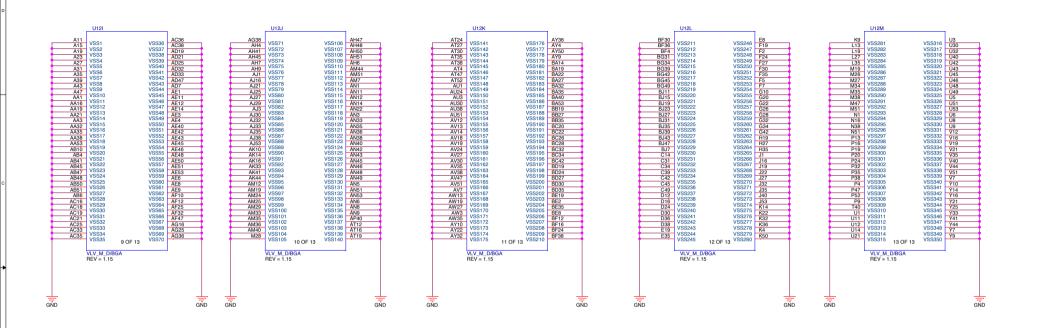




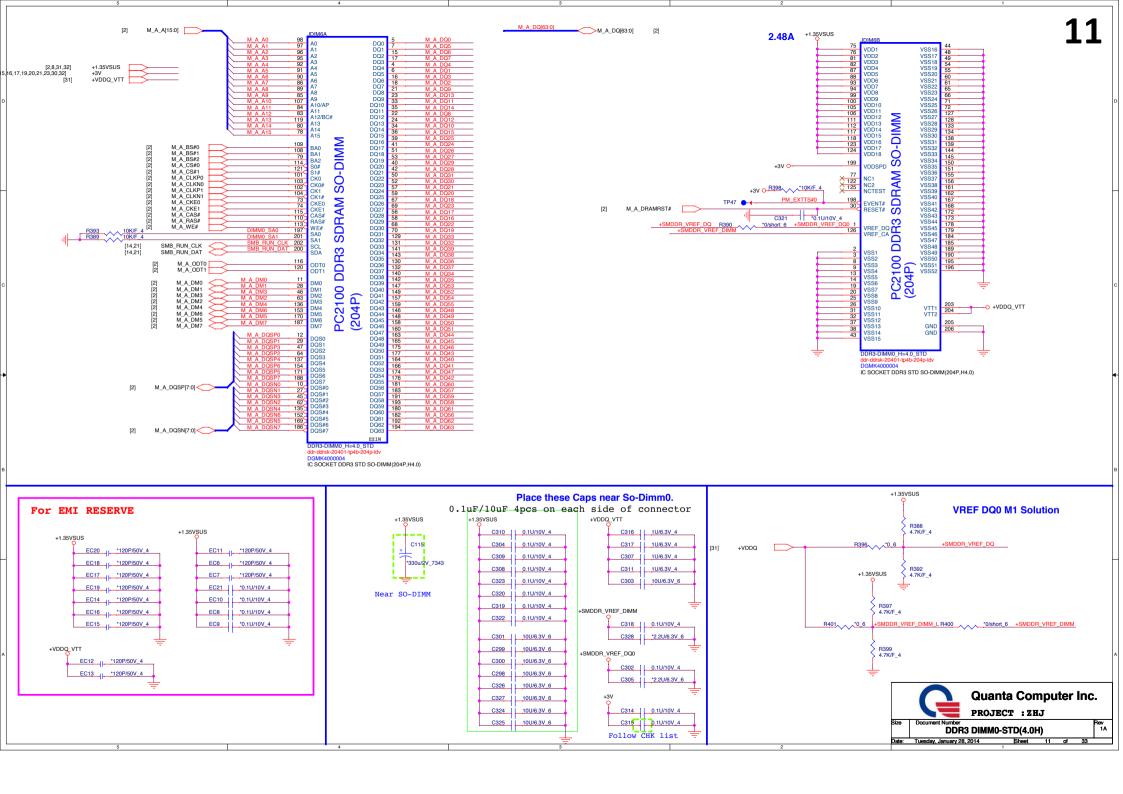
Quanta Computer Inc.
PROJECT: ZHJ

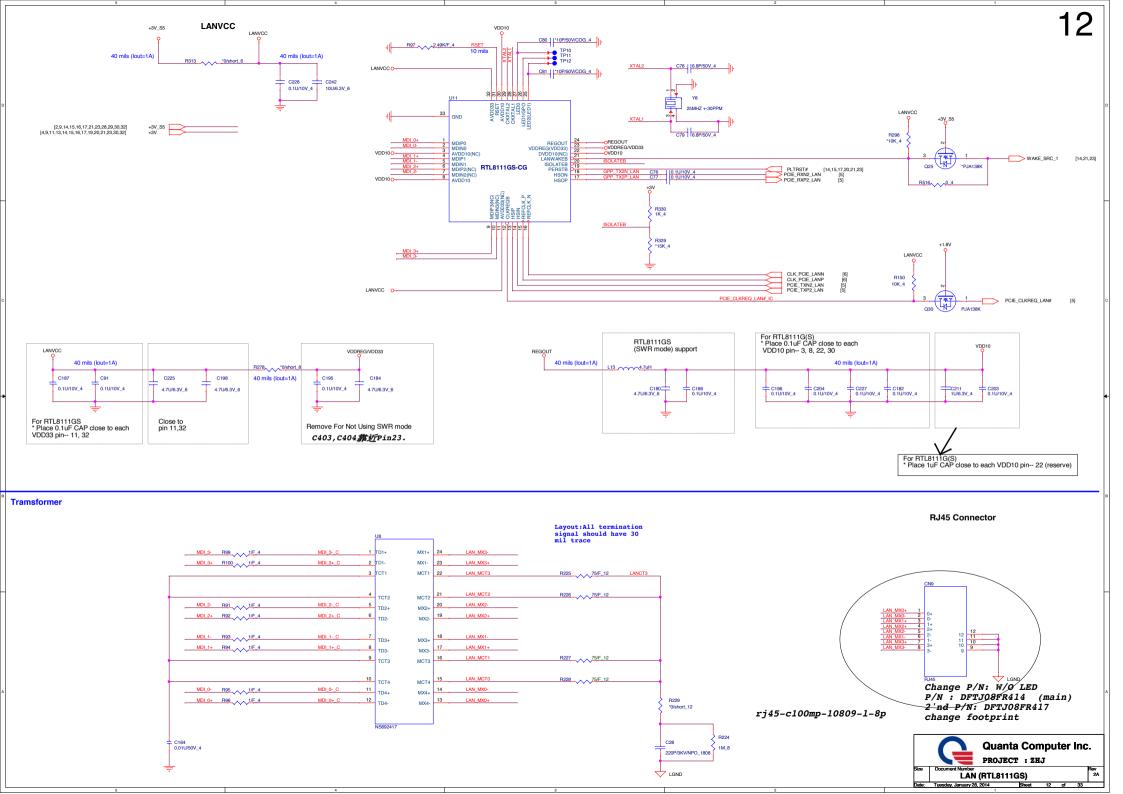
Size | Document Number | Valley 7/9 (Power 1) | Provided P



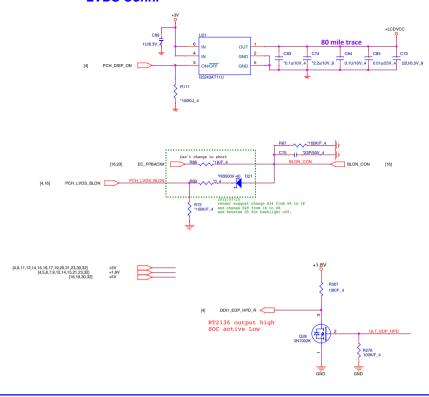


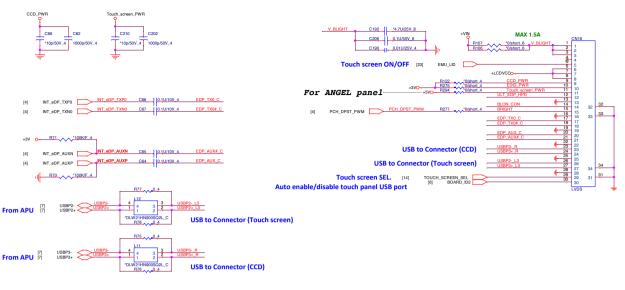


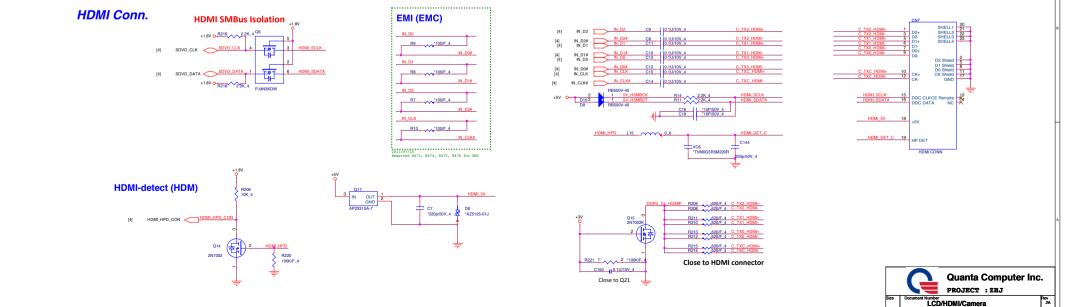


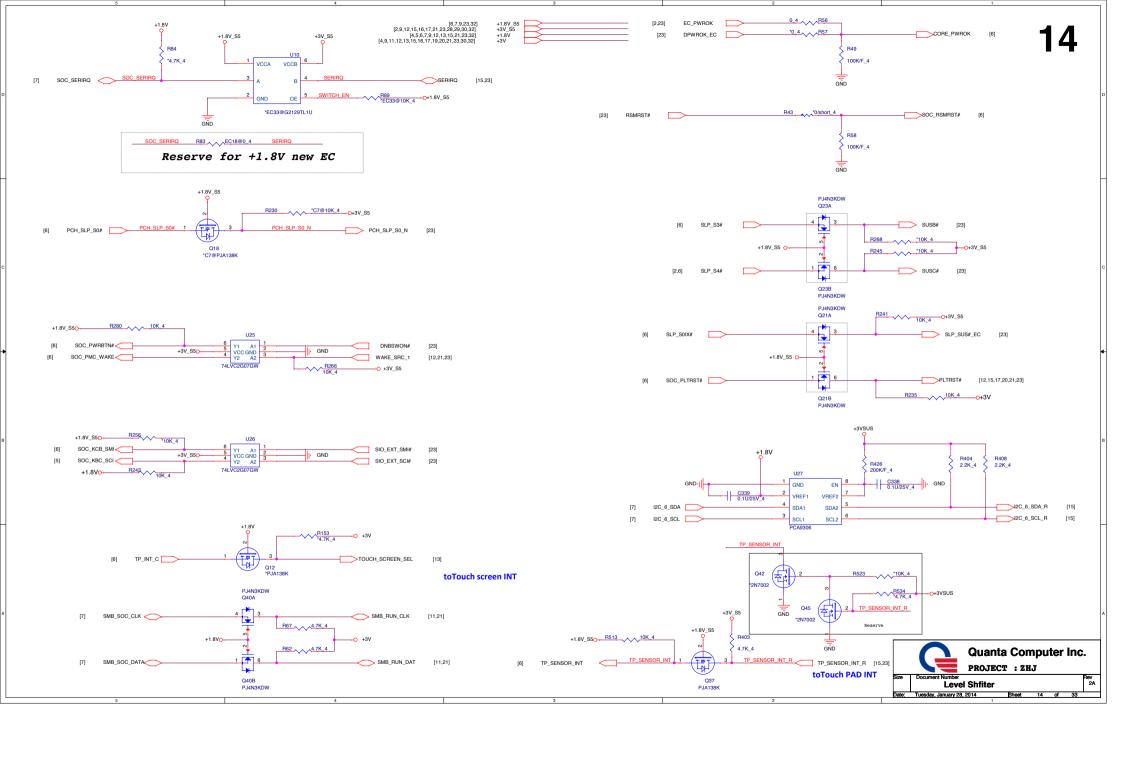


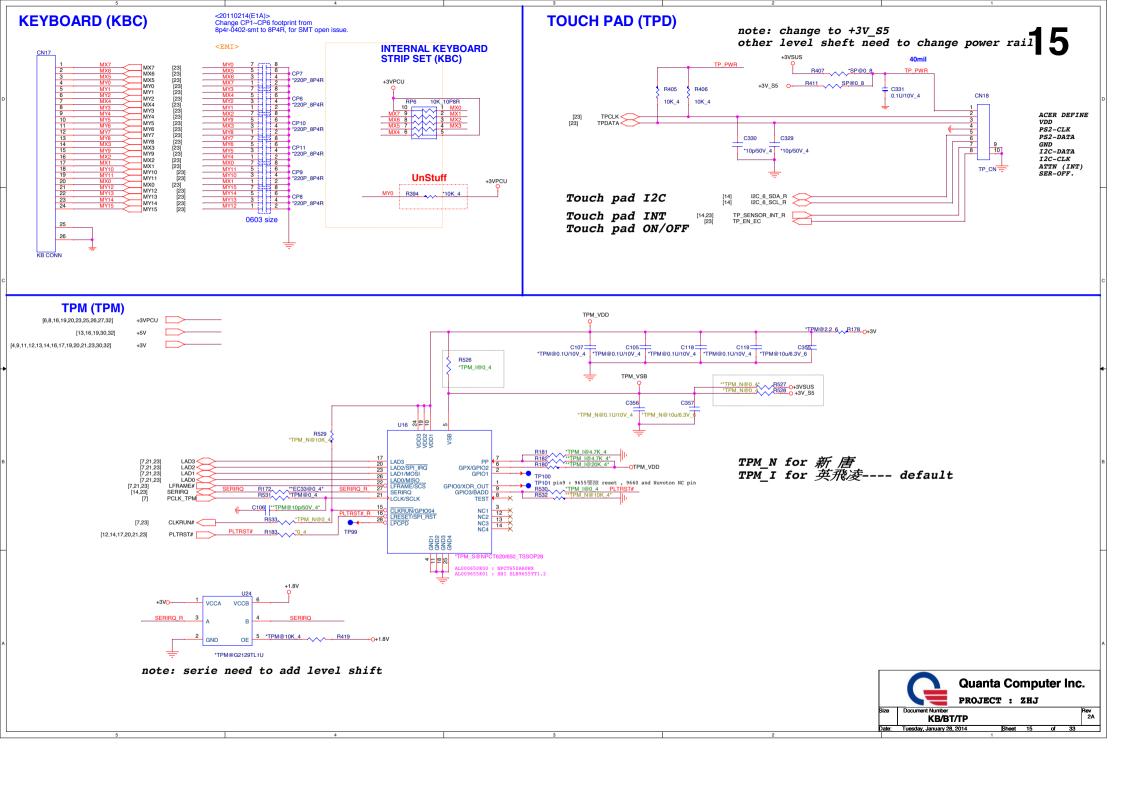
LVDS Conn.

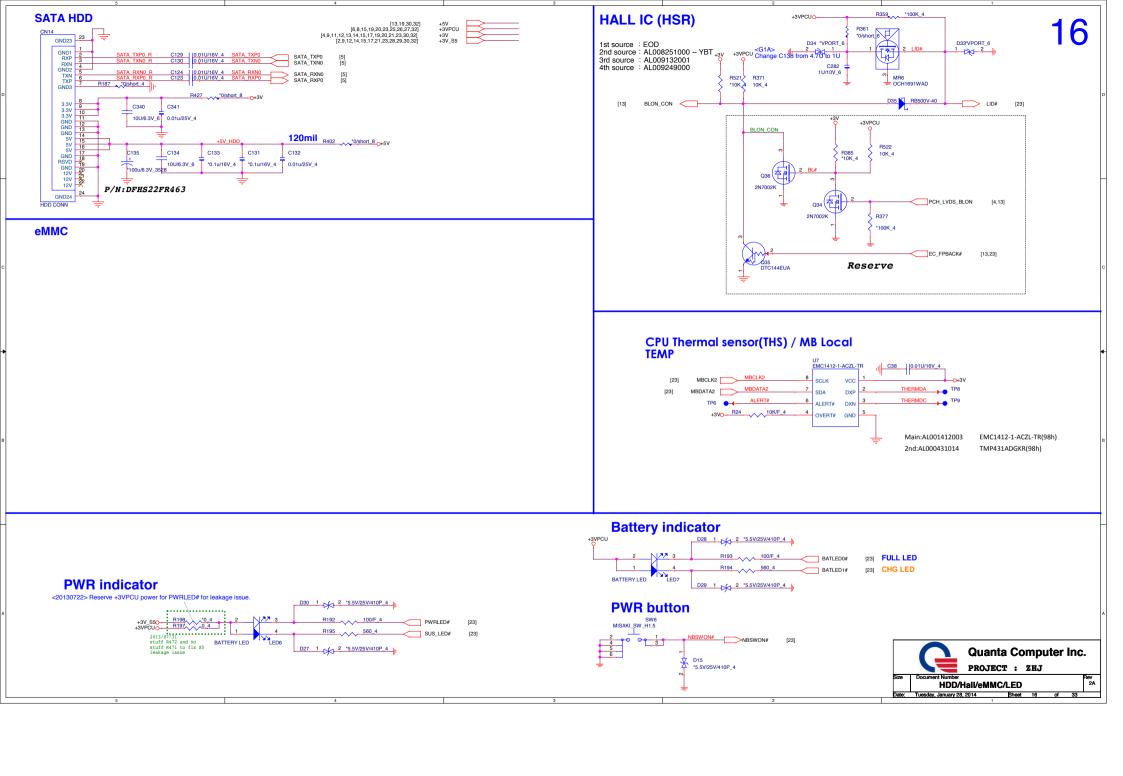


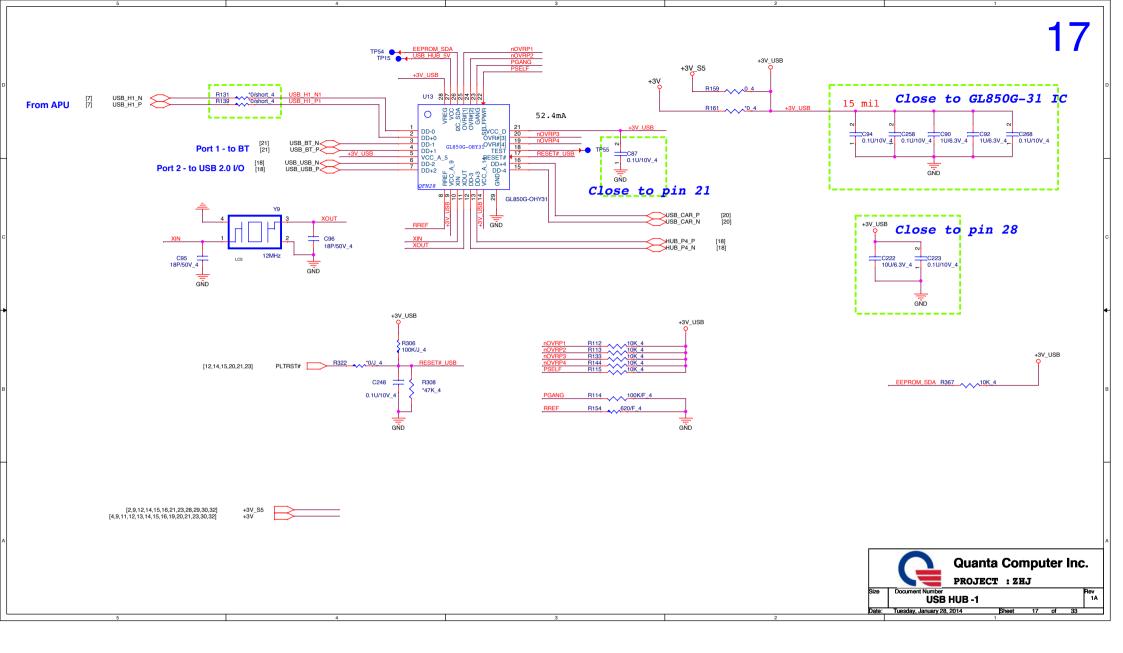








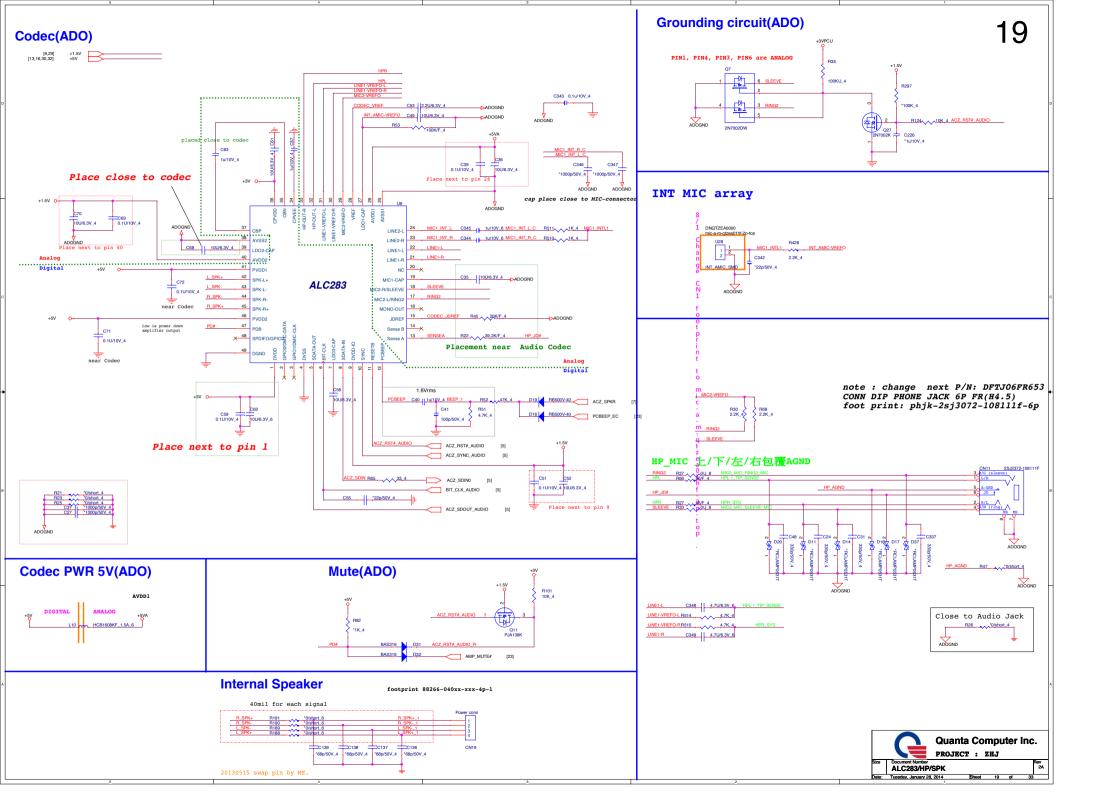


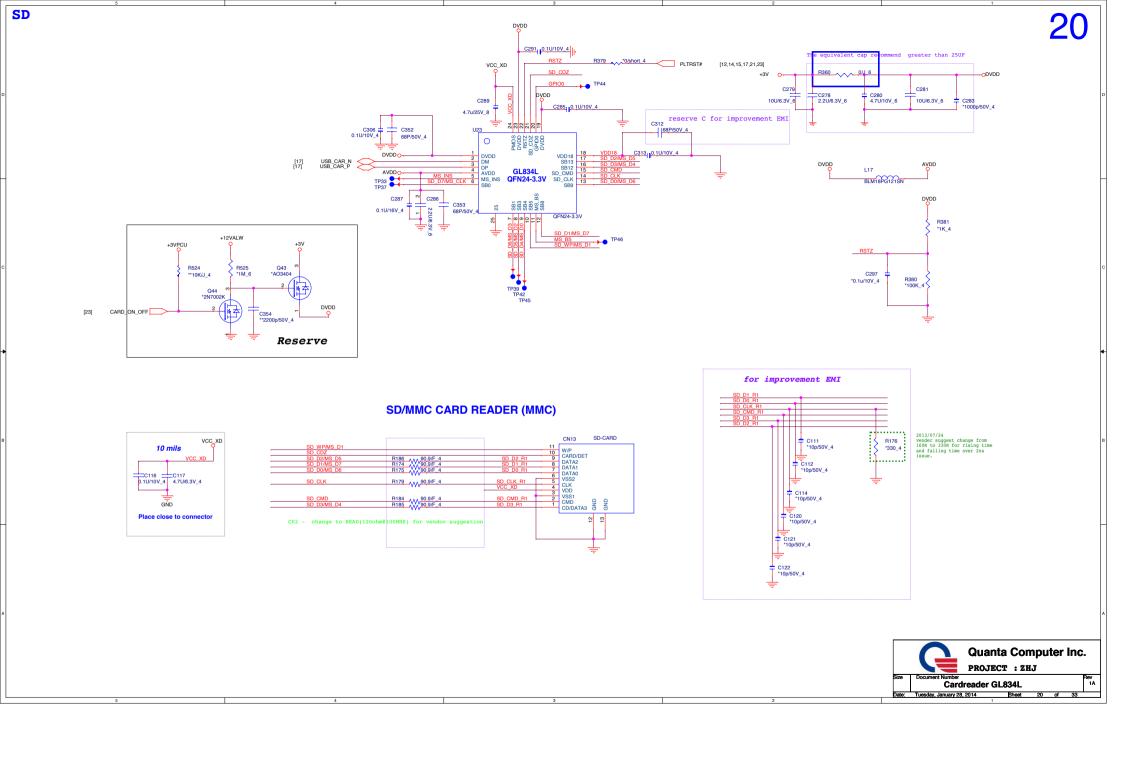


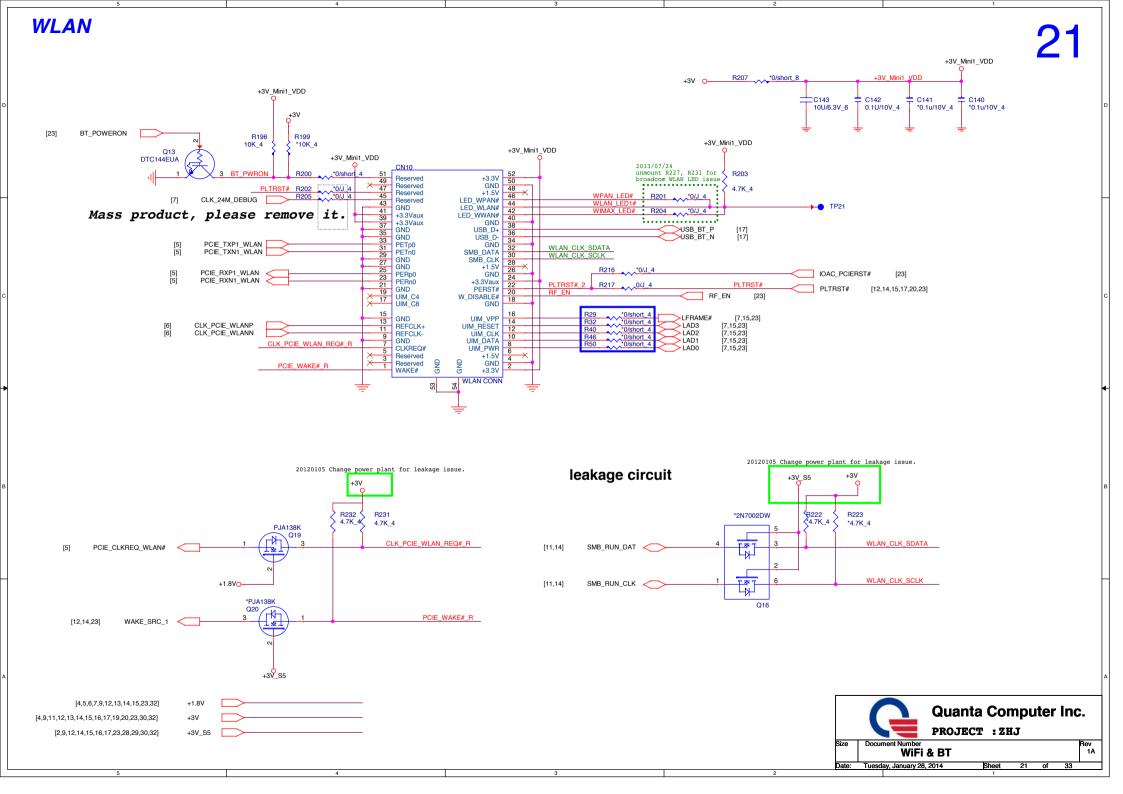
Quanta Computer Inc.

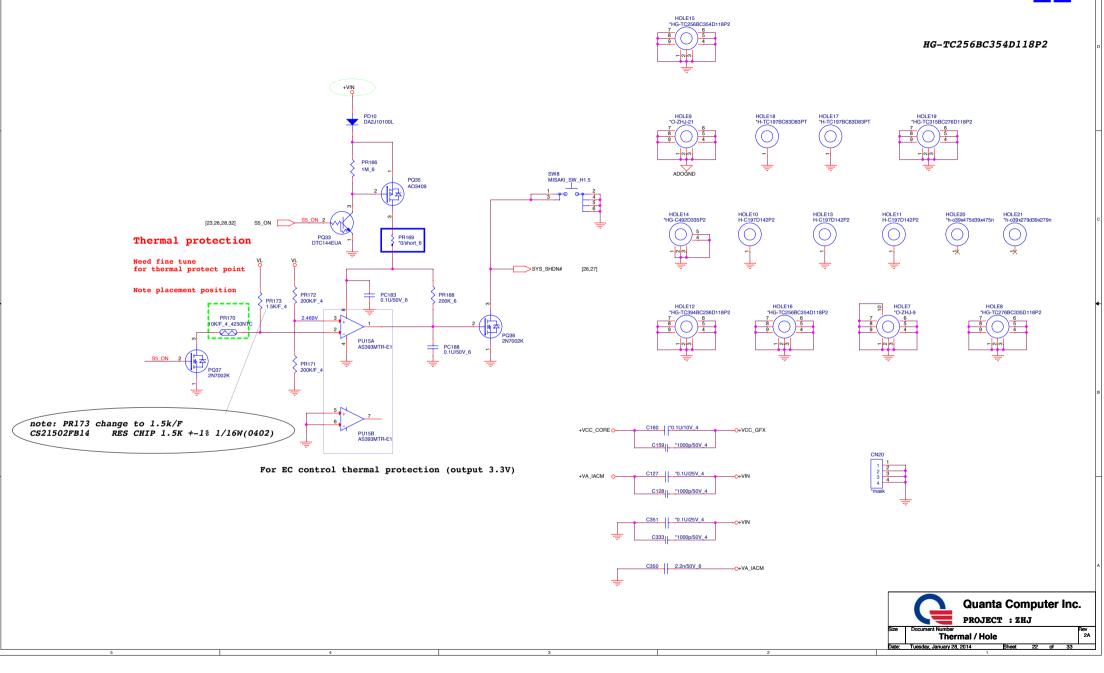
PROJECT : ZHJ
Number
USB / eMMC CONN

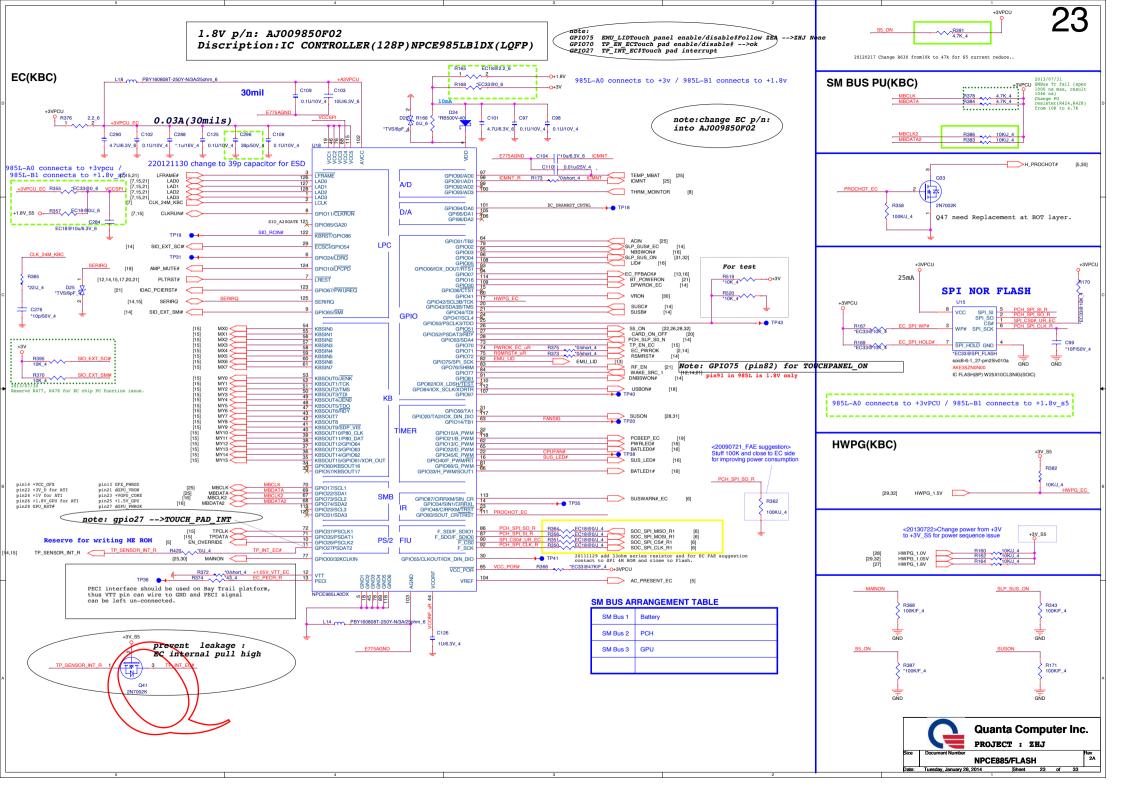
EMI



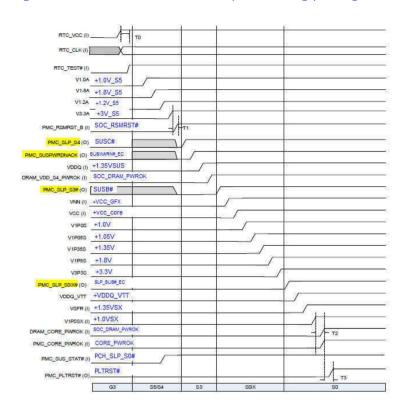




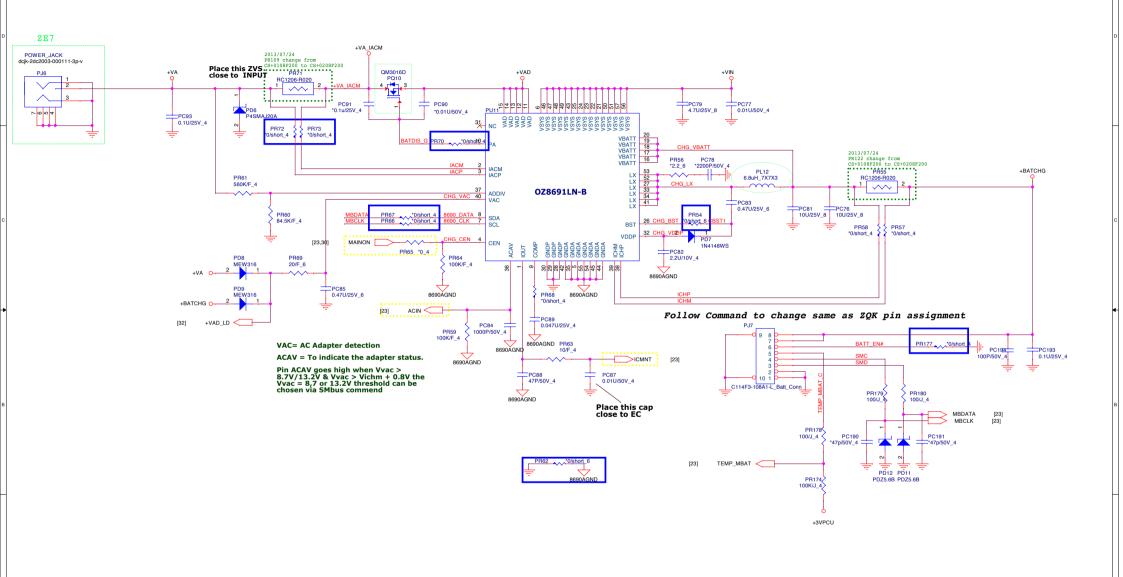




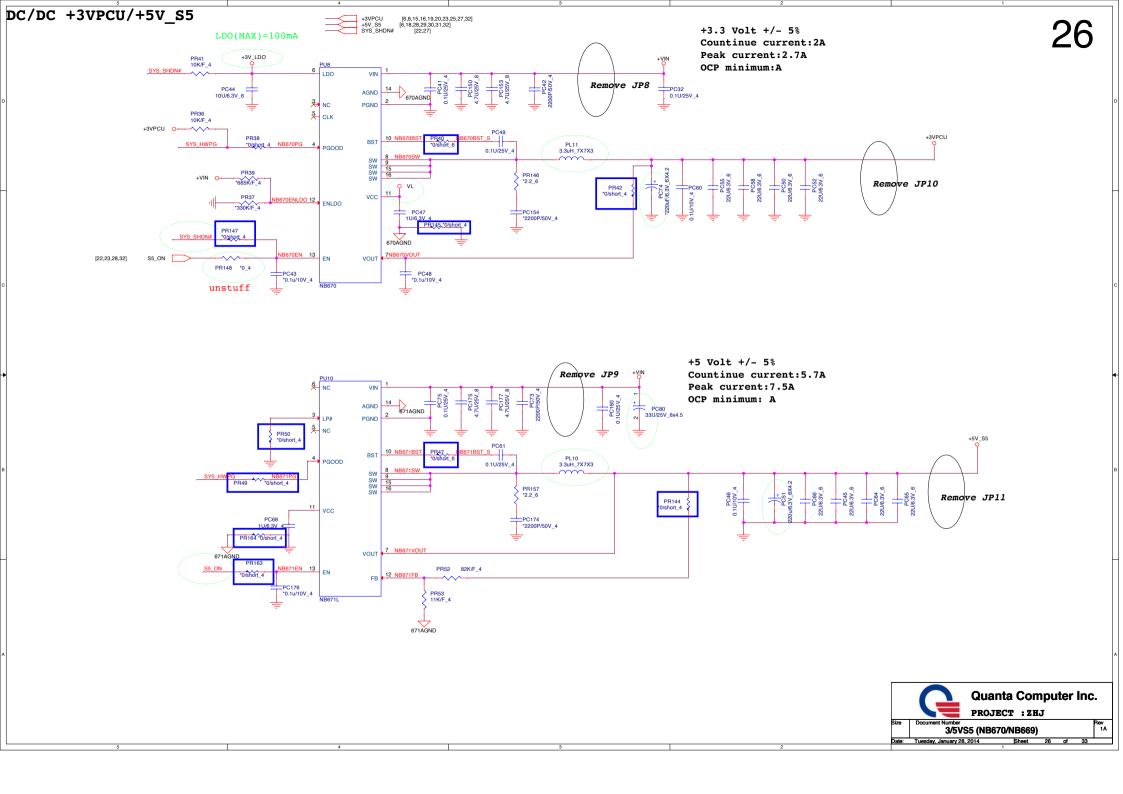
Bay Trail-M S4/S5 to S0 (Power Up) Sequence





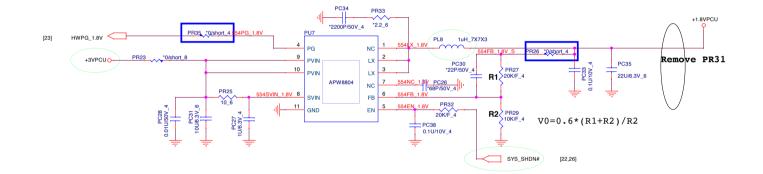


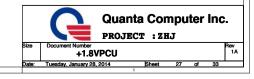




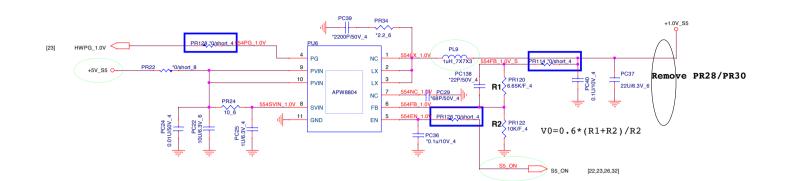
[32] +1.8VPCU [6,8,15,16,19,20,23,25,26,32] +3VPCU

+1.8V Volt +/- 5% Countinue current:0.08A Peak current:0.11A OCP minimum:A





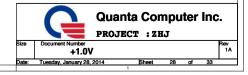
+1.0V Volt +/- 5% Countinue current:2.4A Peak current:3.2A OCP minimum:A



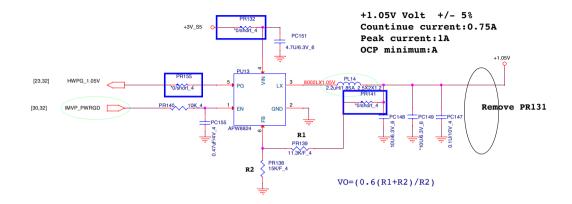
[9,32] [6,18,26,29,30,31,32]

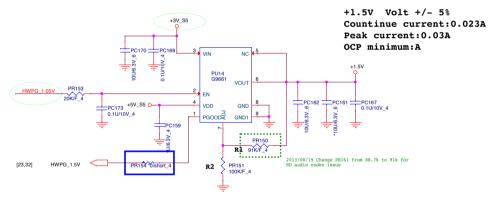
+3V_S5

[2,9,12,14,15,16,17,21,23,29,30,32]

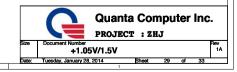


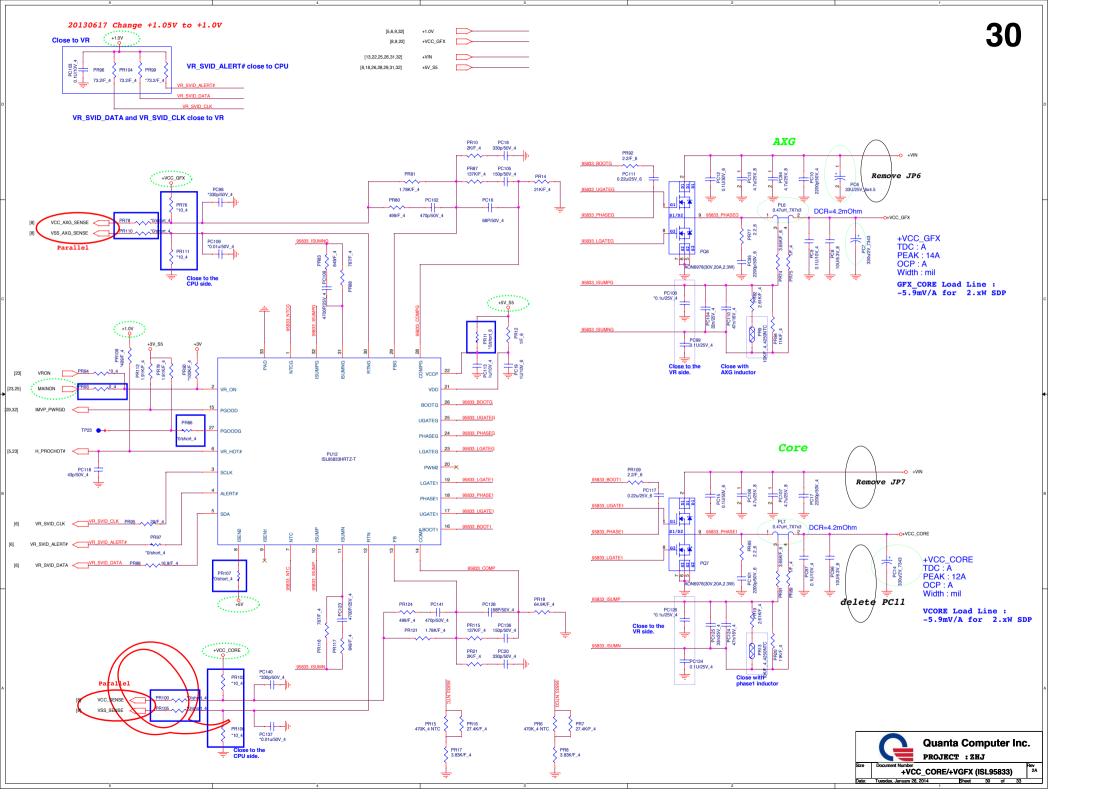




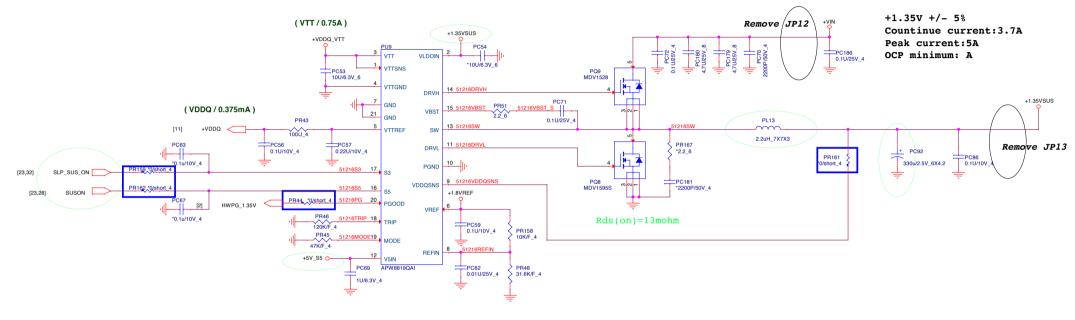


VO=(0.8(R1+R2)/R2) R2<120Kohm

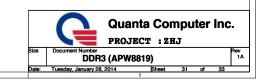


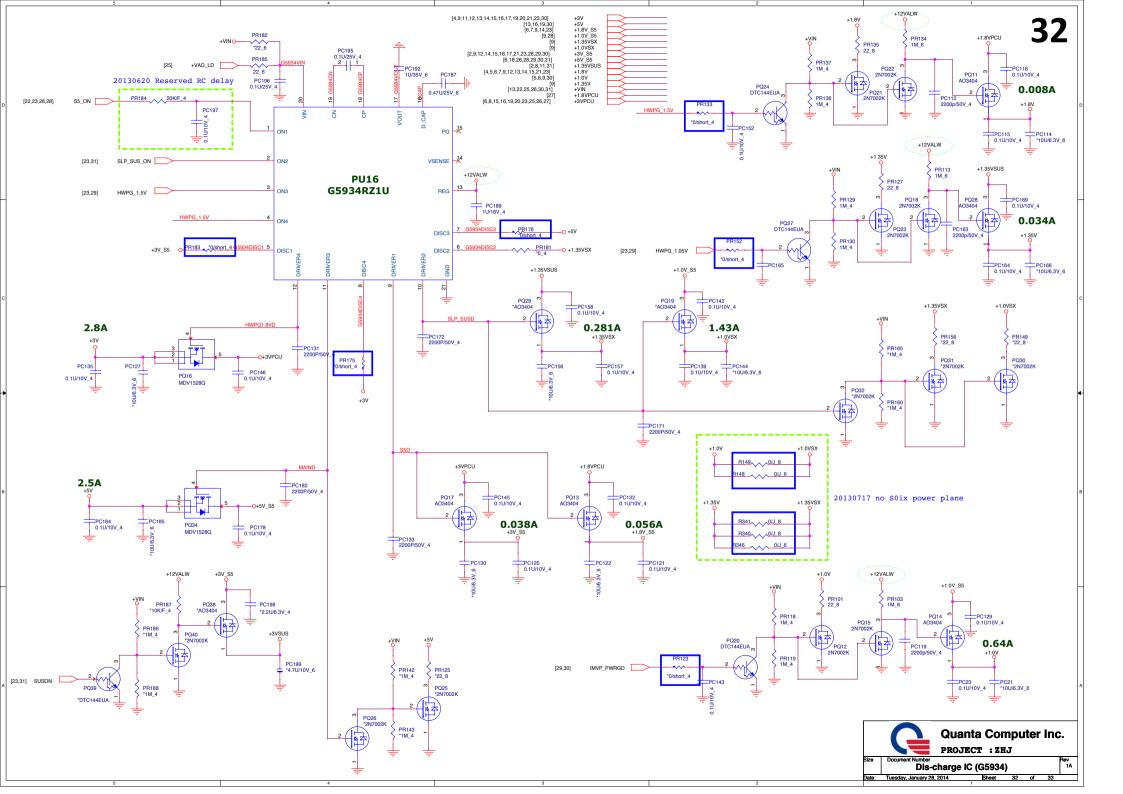






Fsw = 400KHz





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B stage:
          1. Page4 ,SWAP DDI0 DDI1 port
          2. Page5 , Delete NGFF function , C517,C516,C272,C275,R234,R233
          3. Page6 , Mount R310, R311, R353, R354 for 1.8V EC
          4. Page7 , Change R118 & R119 value form *2.2K to *560K (NC)
          5. Page8 , Delete C60
          6. Page12 , Change CN9 (LAN) of P/N; Add R516 ; Off*R298, *O25
          7. Page13 , Add toutch sreen ON/OFF net " EMU LID" to CN16
          8. Page14 ,Change power for TP wakeup function, mount R58,Delete 09,010 Add 040 for 0C issue.
                      Delete Q26,Q22,Q38; Add U25, U26, U27 C339, C338, R426; chamge R404 & R408 value to 560 Ohm;
                      mount R266; remove R256; Add R513 for TP-int.
                      not mount R89,U10, mount R83 for 1.8V of EC
          9. Pagel5 , Change power rial , change/add *R172 (0 Ohm) of value, Add U24 & R419; Delete R410, R409 short pad; remove R407, Add R411
          10. Page16 , Add C340, C341 & R427 for NGFF/SSD
          11. Page19 , Change CN11(Audio) of P/N & footprint ; Add D37 & C337 ; delete R34,R28,U6,D12,D13,C6,C30,C34;
                       Change R27,R66 value; Add U28,R428,R511,R510,R514,R515,C342,C344,C345,C348,C349.
          12. Page22 , Remove SW7, change PR173 of value
          13. Page 23 , Change EC of P/N; add R420 for TP INT to EC; Cgange R391 value from 47K to 4.7K
                       Add Q41 prevent leakage (EC internal pull high); mount R395,R370 for EC
                       not mount R167,R169,R170,R168,R355,R366,U15 for 1.8V of EC
                       mount C284, R165, R357, R350, R351, R356, R364 for 1.8V of EC
          14. Page30 , Rmove PC11 for RF request
                Change 0 hm to short pad: PR100, PR105, PR110, PR132, PR177, PR22, PR23, PR78, PR97, R106, R107
C stage:
                                      R107,R122,R130,R131,R134,R139,R173,R188,R189,R190,R191,R200,R207
                                      R229,R238,R240,R244,R257,R275,R281,R282,R283,R288,R290,R294,R309
                                      R313,R315,R316,R321,R325,R331,R332,R333,R335,R36,R361,R372,R373
                                      R375,R379,R390,R400,R402,R427,R43
           1. Page5 , Mount R286
           2. Page6 , Mount R41, Delete *R64
           3. Page13 , Remove R86, R87, R69, R72, D21, C75 for LDC BLON
           4. Page16 , chage R371 power rail to 3VPCU, remove *R385 & add R522 ; Mount Q34,Q35,Q36, R385,R377 for LDC BLON
           5. Page17 , Remove R369
           6. Page19 , R66,R27 change P/N from 47 to 56 Ohm; change R37 & R33 footprint from 0402 to 0805
           7. Page20 , C312 chage to 68P, Add C352, C286 68P; change R184,R185,R186,R174,R175,R179 to 91 Ohm for vendor suggestion
           8. Page26 , Remove JP8, JP9, JP10, JP11
           9. Page27 , Remove PR31
          10. Page28 , Remove PR28, PR30
          11. Page29 , Remove PR131
          12. Page30 , Remove JP6, JP7
          13. Page26 , Remove JP12, JP13
          14. Page21 , Remove Q20
D stage:
           1. Page4 ,change R31 & R300 to 200K
           2. Page6 ,change CLK port0 to port2 ; change D36 footprint change P/N
           3. Page13 , Remove R111
           4. Page14 ,Add *R523, *R534, *Q42 & *Q45 for +3vsus ;
                      Q12 gate change to 1.8V; Remove R153 & Q12
           5. Page15 , Change R407 power reail to +3vsus; Delete R177; TPM co-layout
            6. Pagel6 , change R192, R193 from 33 to 100 Ohm; R194, R195 from 220 to 560 Ohm; Remove R377
           7. Page17 , Delete *U17, *R363, *R369, *C113, chage R154 of value
           8. Page18 , Delete L6,L8,L9, R16,R15,mount L7 ; Delete 320, R324, mount L16 for EMI; Change R12,R13,R19,R20 of value from 0 to 18 Ohm
           9. Page20 , not mount C111,C112,C114,C120,C121,C122 & R176,Add R360
                         Reserve *R524, *R525, *Q43, *Q44, *C354 for card reader on/off; Swap CN13 Pin10 & Pin11 net name
                                                                                                                               Quanta Computer Inc.
           10. Page22 , Mount C350 for EMI request
                                                                                                                               PROJECT : ZHJ
           11. Page 30 , Change PU12 footprin; Add *PR186, *PR187, *PR188, *PC198, *PC199, *PO38, *PO39, *PO40.
                                                                                                                           Change note
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