

9J.G0T21.001

| Rev | Description | Date |
|-----|-------------|------|
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |

- INTERRUP

RPOWN : POWER\_CUT

EXTFIQ : MMP\_INT

SIM\_CD : FLIP

IO13 : T-FLASH DET
- IO 0 : LCM\_RESET

IO 1 : POPLESS\_EN

IO 2 : USB\_EN

IO 3 : NLED\_SD

IO 4 : BT\_RESET

IO 5 : SIM\_PCTL

IO 6 : ACCESSORY\_IN

IO 7 : NRSTOUT

IO 8 : BYPASS\_MODE

IO 9 : BT interface

IO 10 : BT interface

IO 11 : BT interface

IO 12 : BT interface

IO 13 : T\_FLASH\_IN

- nCS0 : NROM/CS0
- nCS1 : /CS1
- nCS2 : NRAM/CS2
- nCS3 : MMP\_CS/CS3
- nCS4 : SUB\_CS/CS4

- ADIN1: LCDM\_HW\_ID
- ADIN2: BATEMP
- ADIN3: EARPHONE\_IN
- ADIN4: HS\_TMP

# HERMES C5 EPR1

## Main Board (0420)

### Benq Corporation Proprietary

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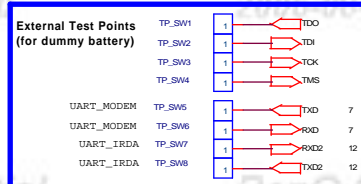
| BenQ Corporation             |                         |                           |  |                             |
|------------------------------|-------------------------|---------------------------|--|-----------------------------|
| Project Code<br>9J.G0T21.001 |                         | Model Name<br>HERC5       |  | OEM/ODM Model Name<br>OBM   |
| Title<br>Main Board          |                         |                           |  |                             |
| Size<br>A4                   | PCB P/N<br>4H.G0T01.A01 | PCB Rev.<br>V4            | Document Number<br>9J.G0T21.000-C3-304-001 | Rev.<br>0                   |
| Date: Friday, June 09, 2006  |                         | Sheet 1 of 13             |  |                             |
| Prepared By<br>Feris Liu     |                         | Reviewed By<br>Agi CC Hsu |  | Approved By<br>Wen Shih Liu |

R:01~50 (R17)  
C:01~50 (C9)  
RN:11~20 (RN13)  
CN:11~20  
JP:11~20 (JP11)  
TP:01~50 (TP12)  
TVS:11~20

nCS0 : NROM\_CS0  
nCS1 : /CS1  
nCS2 : NRAM\_CS2  
nCS3 : MMP\_CS/CS3  
nCS4 : SUB\_CS/CS4

JP100: 1,2 = Security  
JP100: 2,3 = Non-security

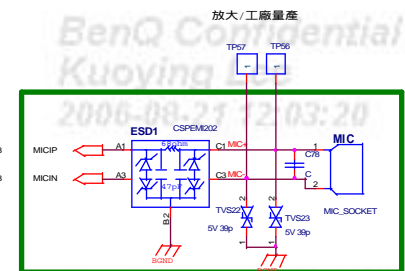
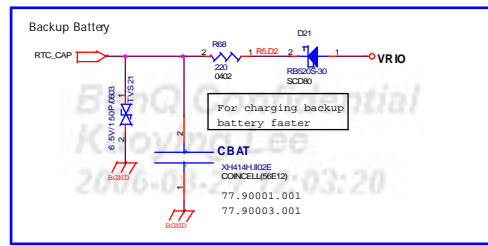
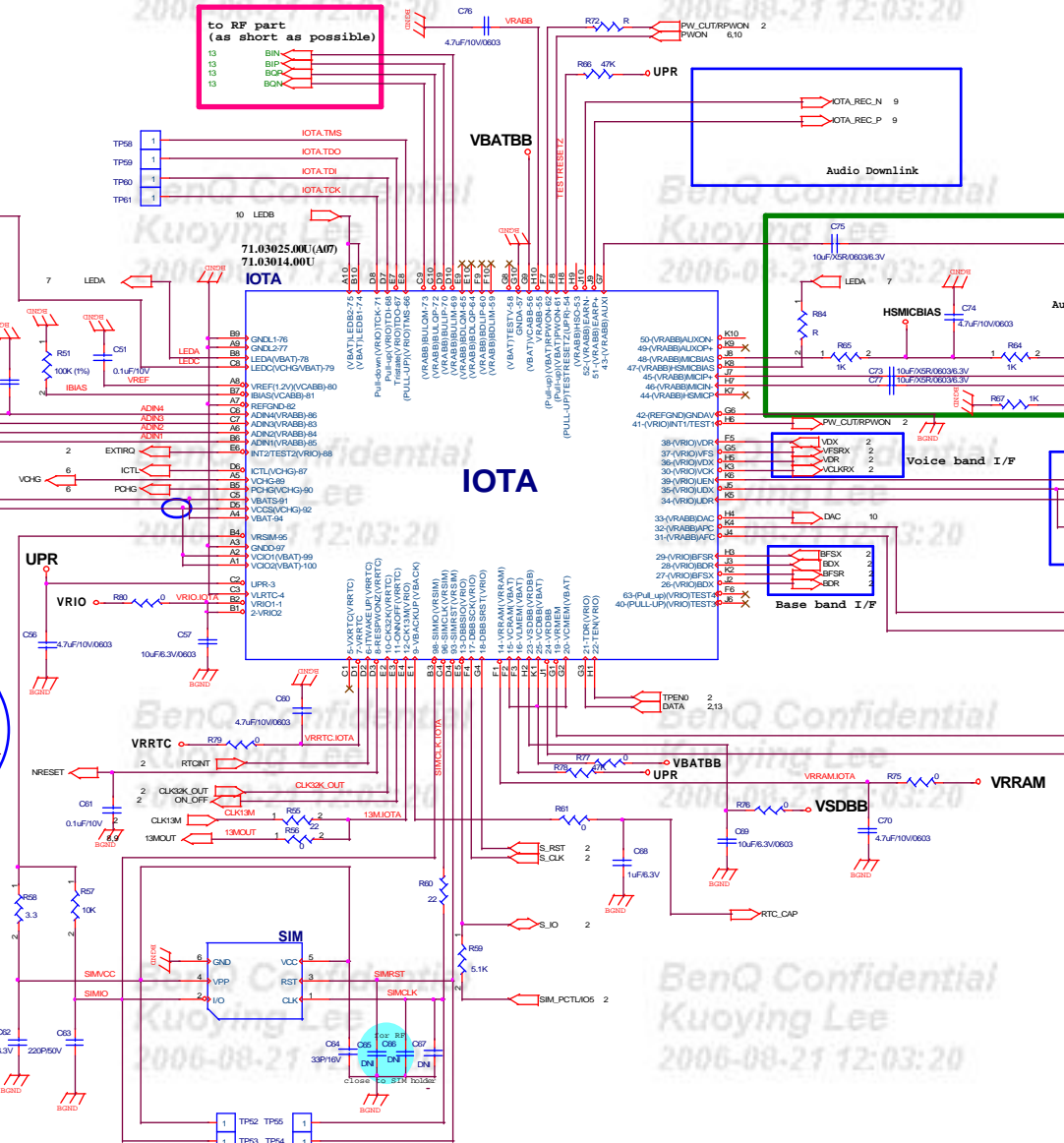
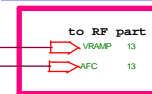
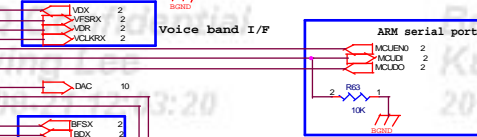
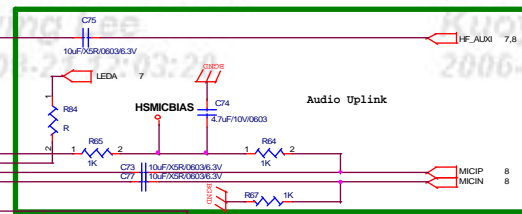
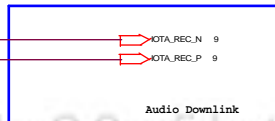
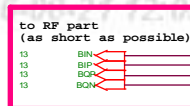
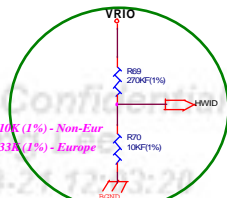
HERCROM400G2



|                         |              |             |                        |                    |
|-------------------------|--------------|-------------|------------------------|--------------------|
| <b>BenQ Corporation</b> |              |             |                        |                    |
| Project Code            |              | Model Name  |                        | OEM/COM Model Name |
| 9UG0721.001             |              | HERC5       |                        | OBM                |
| Title                   |              |             |                        |                    |
| G2                      |              |             |                        |                    |
| Size                    | PCB PIN      | PCB Rev.    | Document Number        | Rev.               |
| A4                      | 4HUG0701.A01 | V4          | 9UG0721.000-C3-304-001 | 0                  |
| Date                    |              | Sheet       |                        |                    |
| Friday, June 09, 2006   |              | 2           |                        | 13                 |
| Prepared By             |              | Reviewed By |                        | Approved By        |
| Fets Liu                |              | Ag CC Hsu   |                        | Wen Shih Liu       |

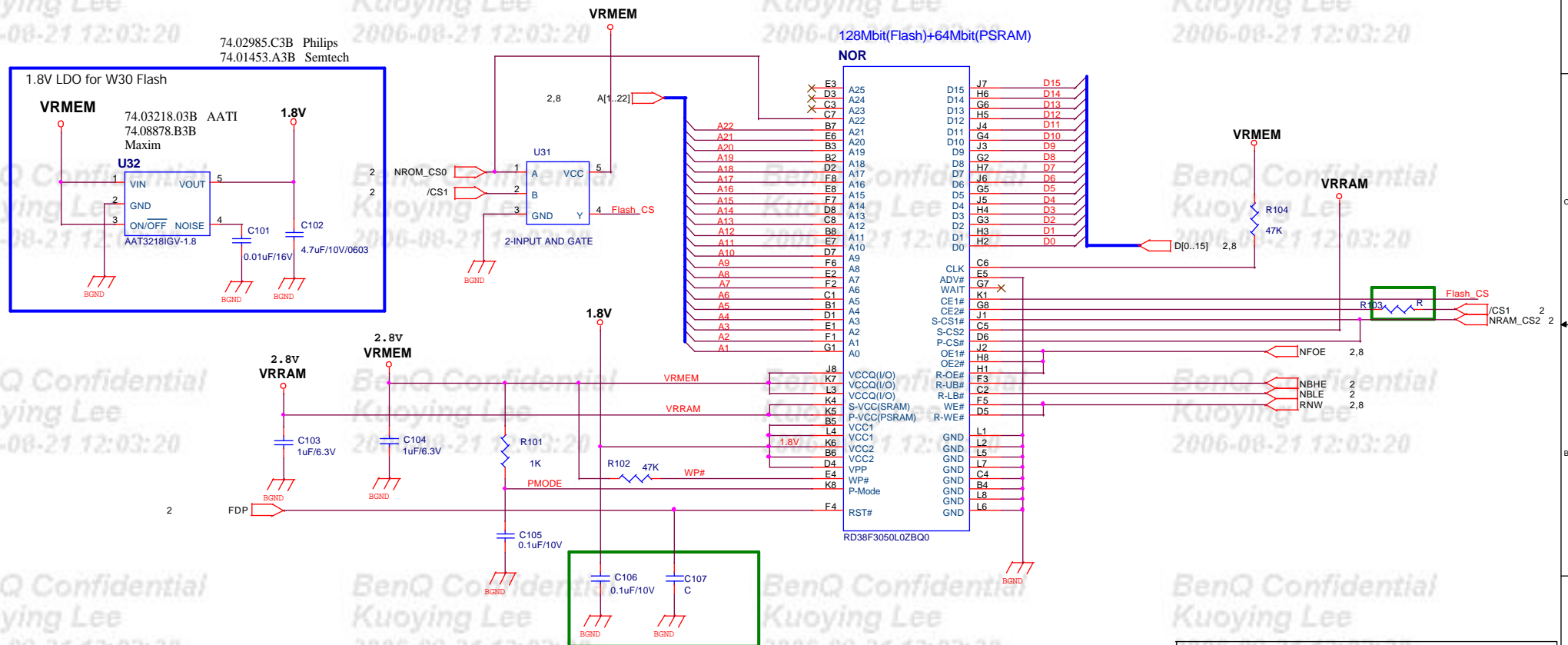
**CAP CLOSE TO IOTA**

|        |      |       |
|--------|------|-------|
| VRABB  | C158 | 4.7uF |
| VBATBB | C180 | 10uF  |
| UPR    | C154 | 1uF   |



|                               |                        |                          |   |                             |
|-------------------------------|------------------------|--------------------------|---|-----------------------------|
| <b>BenQ Corporation</b>       |                        |                          |   |                             |
| Project Code<br>9J G0721.001  |                        | Model Name<br>HERCS      |   | OEM/ODM Model Name<br>OBM   |
| Title<br>IOTA                 |                        |                          |   |                             |
| Size<br>A4                    | PCB PIN<br>4H/G071.A01 | PCB Rev.<br>V4           | Document Number<br>9JG0721.000-03-304-001 | Rev.<br>0                   |
| Date<br>Friday, June 09, 2006 |                        | Sheet 3 of 13            |   |                             |
| Prepared By<br>Fentsi Liu     |                        | Reviewed By<br>Ag CC Hsu |   | Approved By<br>Wen Shih Liu |

R:101~150 (R104)  
C:101~150 (C107)  
RN:31~40  
CN:31~40  
JP:31~40  
TP:101~150  
TVS:31~40

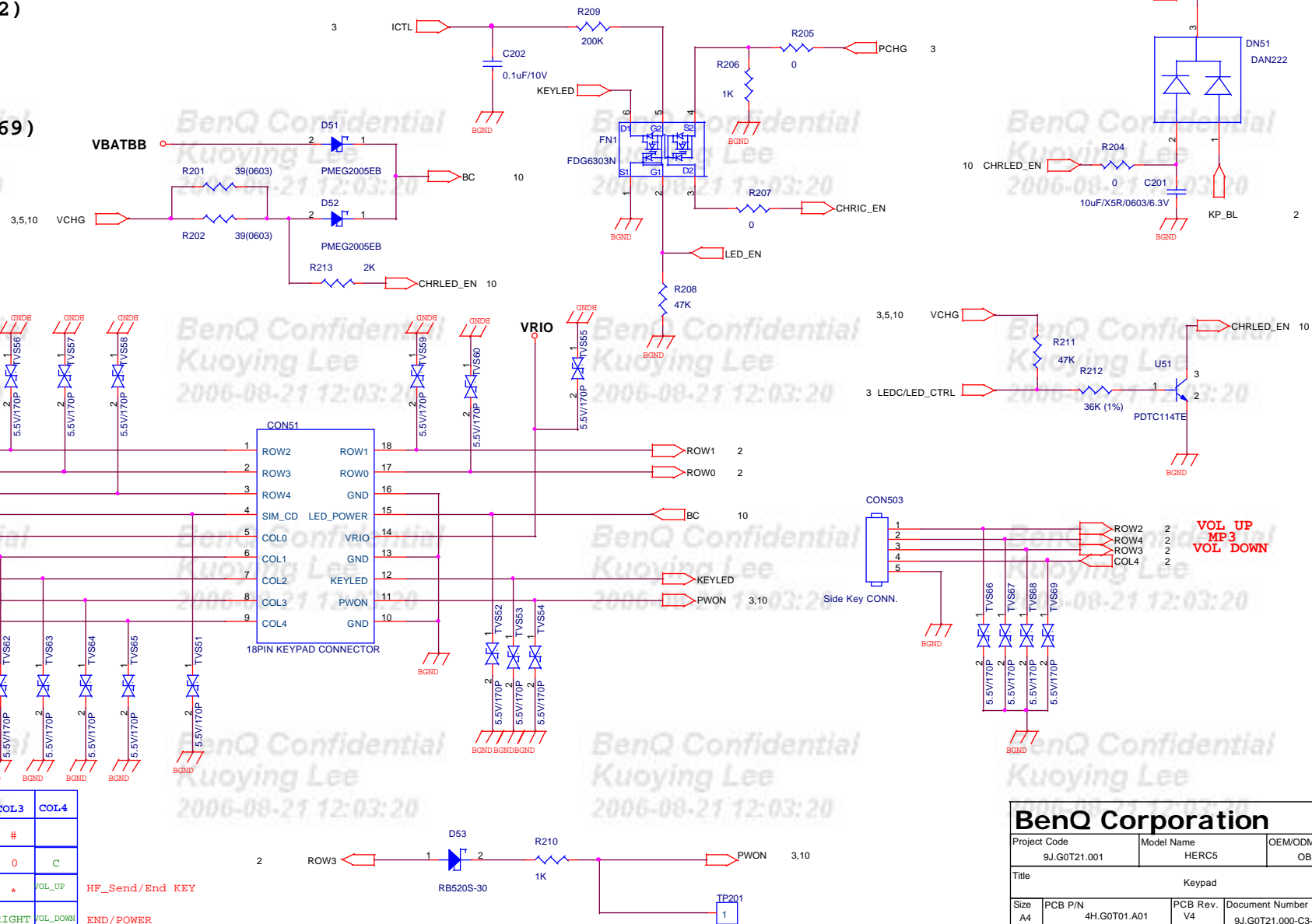


|                              |                         |                           |  |                             |
|------------------------------|-------------------------|---------------------------|--|-----------------------------|
| <b>BenQ Corporation</b>      |                         |                           |  |                             |
| Project Code<br>9J.G0T21.001 |                         | Model Name<br>HERC5       |  | OEM/ODM Model Name<br>OBM   |
| Title                        |                         | External Memory           |  |                             |
| Size<br>A4                   | PCB P/N<br>4H.G0T01.A01 | PCB Rev.<br>V4            | Document Number<br>9J.G0T21.000-C3-304-001 | Rev.<br>0                   |
| Date: Friday, June 09, 2006  |                         | Sheet 4 of 13             |  |                             |
| Prepared By<br>Feris Liu     |                         | Reviewed By<br>Agi CC Hsu |  | Approved By<br>Wen Shih Liu |





R:201~250 (R213)  
C:201~250 (C202)  
RN:51~60  
CN:51~60  
JP:51~60  
TP:201~250  
TVS:51~69 (TVS69)



|      | COL0 | COL1   | COL2 | COL3  | COL4     |
|------|------|--------|------|-------|----------|
| ROW0 | 3    | 6      | 9    | #     |          |
| ROW1 | 2    | 5      | 8    | 0     | C        |
| ROW2 | 1    | 4      | 7    | *     | VOL_UP   |
| ROW3 | DOWN | LEFT   | UP   | RIGHT | VOL_DOWN |
| ROW4 | OK   | SELECT | SEND | QUIT  | MP3      |

HF\_Send/End KEY

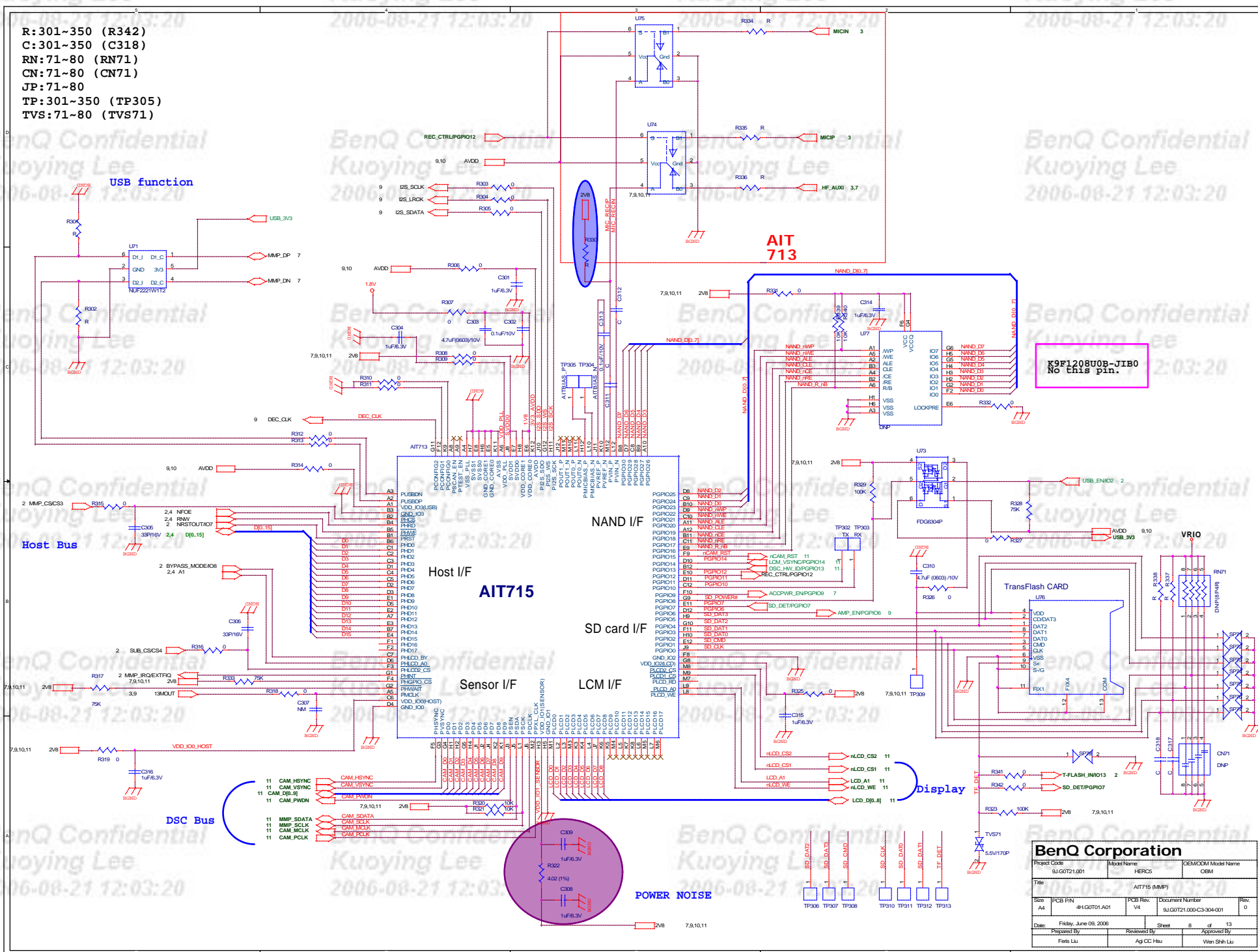
END/POWER

放大/工廠量產

|                              |                         |                           |  |                             |
|------------------------------|-------------------------|---------------------------|--|-----------------------------|
| <b>BenQ Corporation</b>      |                         |                           |  |                             |
| Project Code<br>9J.G0T21.001 |                         | Model Name<br>HERC5       |  | OEM/ODM Model Name<br>OBM   |
| Title<br>Keypad              |                         |                           |  |                             |
| Size<br>A4                   | PCB P/N<br>4H.G0T01.A01 | PCB Rev.<br>V4            | Document Number<br>9J.G0T21.000-C3-304-001 | Rev<br>0                    |
| Date: Friday, June 09, 2006  |                         |                           | Sheet 6 of 13                              |                             |
| Prepared By<br>Feris Liu     |                         | Reviewed By<br>Agi CC Hsu |  | Approved By<br>Wen Shih Liu |



R:301~350 (R342)  
C:301~350 (C318)  
RN:71~80 (RN71)  
CN:71~80 (CN71)  
JP:71~80  
TP:301~350 (TP305)  
TVS:71~80 (TVS71)



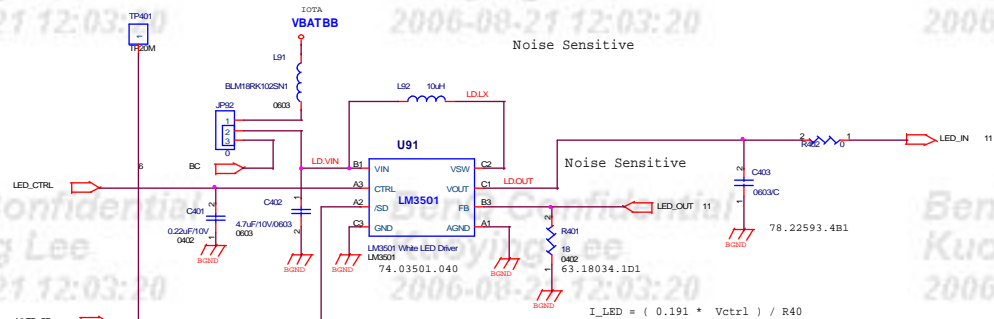
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|-------------------------------|-------------------------|---------------------------|---|-----------------------------|
| <b>BenQ Corporation</b>       |                         |                           |   |                             |
| Project Code<br>SLG0721.001   |                         | Model Name<br>HERC5       |   | GEMCOM Model Name<br>OEM    |
| Title<br>AIT715 (MVP)         |                         |                           |   |                             |
| Size<br>A4                    | PCB PIN<br>4H/G0701.A01 | PCB Rev.<br>V4            | Document Number<br>SLG0721.001-C3-304-001 | Page<br>8                   |
| Date<br>Friday, June 09, 2006 |                         | Sheet 8 of 13             |   |                             |
| Prepared by<br>Felix Liu      |                         | Reviewed by<br>Aoi CC Hsu |   | Approved by<br>Wen Shih Liu |



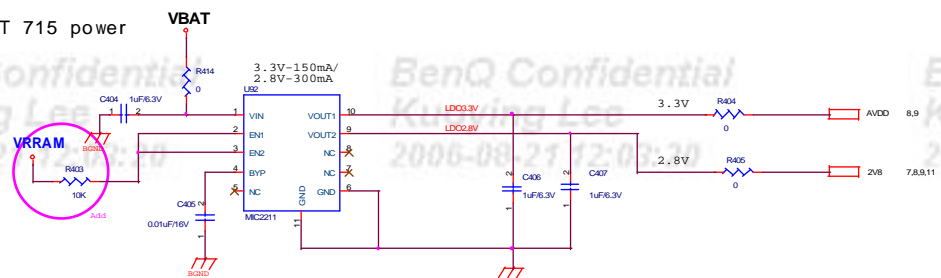


R:401~450 (R414)  
C:401~450 (C408)  
RN:91~100  
CN:91~100  
JP:91~100  
TP:401~450 (TP402)  
TVS:91~100 (TVS92)

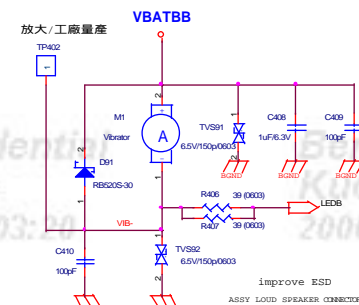
### LCD backlight LED driver



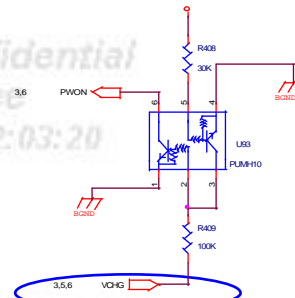
### AIT 715 power



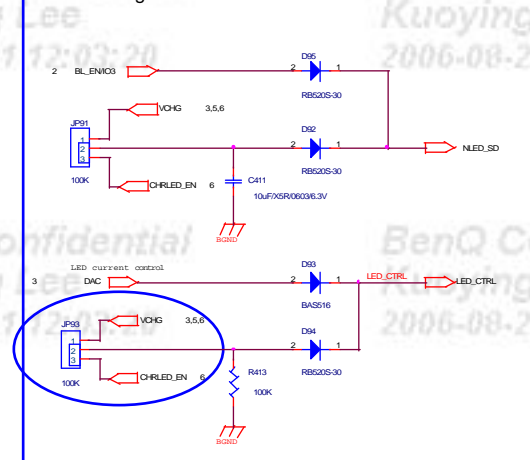
### Vibrator



### VRIO



### Precharge function

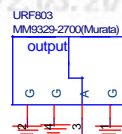


| BenQ Corporation       |              |             |                         |
|------------------------|--------------|-------------|-------------------------|
| Project Code           |              | Model Name  | OEM/ODM Model Name      |
| 6J.G0T21.001           |              | HERC5       | OBM                     |
| Title                  |              |             |                         |
| Power                  |              |             |                         |
| Size                   | PCB PIN      | PCB Rev.    | Document Number         |
| A4                     | 4H.G0T01.A01 | V4          | 6J.G0T21.000-C3-304-001 |
| Date                   |              | Sheet       | 10 of 13                |
| Fictley, June 09, 2006 |              | Prepared By | Reviewed By             |
|                        |              | Felix Liu   | Agg CC Hau              |
|                        |              |             | Wen Shih Liu            |

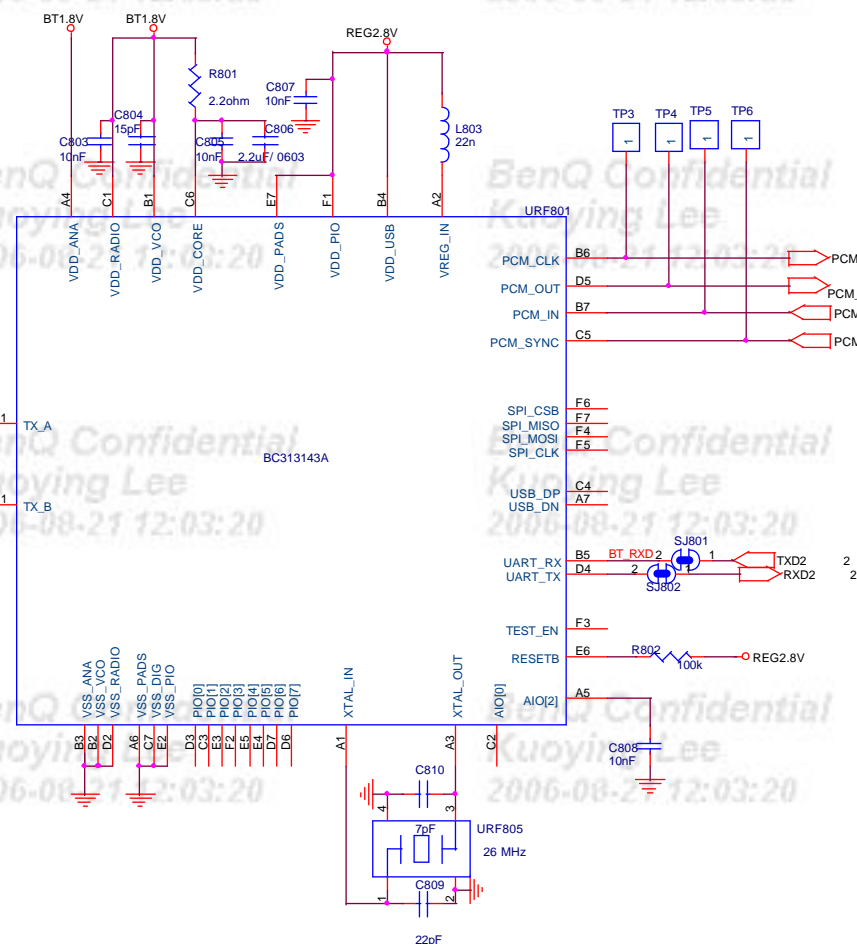




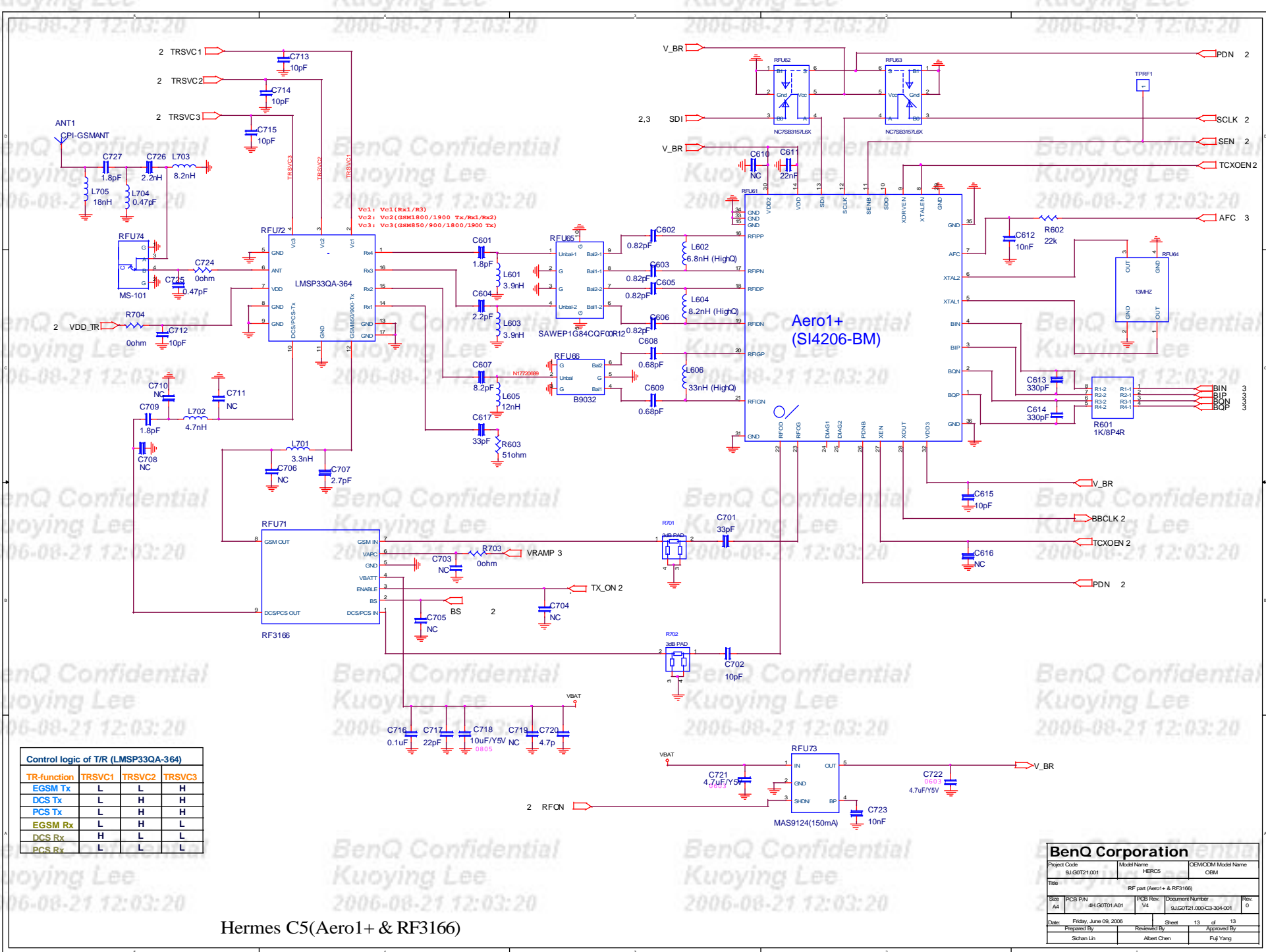
```
RFJP1: 1,2 = 1.5pF
RFJP1: 2,3 = OPEN
```



2 BT Reset/IO4



|                                   |                         |                            |  |                           |
|-----------------------------------|-------------------------|----------------------------|--|---------------------------|
| <b>BenQ Corporation</b>           |                         |                            |  |                           |
| Project Code<br>9J.G0T21.001      |                         | Model Name<br>HERC5        |  | OEM/ODM Model Name<br>OBM |
| Title<br>Bluetooth part (BC3-CSP) |                         |                            |  |                           |
| Size<br>A4                        | PCB P/N<br>4H.G0T01.A01 | PCB Rev.<br>V4             | Document Number<br>9J.G0T21.000-C3-304-001 | Rev<br>0                  |
| Date: Friday, June 09, 2006       |                         | Sheet 12 of 13             |  |                           |
| Prepared By<br>Sichan Lin         |                         | Reviewed By<br>Albert Chen |  | Approved By<br>Fuji Yang  |



| Control logic of T/R (LMSP33QA-364) |       |       |       |
|-------------------------------------|-------|-------|-------|
| TR-function                         | TRSV1 | TRSV2 | TRSV3 |
| EGSM Tx                             | L     | L     | H     |
| DCS Tx                              | L     | H     | H     |
| PCS Tx                              | L     | H     | H     |
| EGSM Rx                             | L     | H     | L     |
| DCS Rx                              | H     | L     | L     |
| PCS Rx                              | L     | L     | L     |

Hermes C5(Aero1+ & RF3166)

| BenQ Corporation          |              |            |                         |
|---------------------------|--------------|------------|-------------------------|
| Project Code              |              | Model Name | OEM/ODM Model Name      |
| 9J.G0T21.001              |              | HERC5      | OEM                     |
| Title                     |              |            |                         |
| RF part (Aero1+ & RF3166) |              |            |                         |
| Size                      | PCB PIN      | PCB Rev    | Document Number         |
| A4                        | 4H.G0T01.A01 | V4         | 9J.G0T21.000.C3-304-001 |
| Date                      | Sheet        |            | Rev. 0                  |
|                           | 13 of 13     |            |                         |
| Prepared By               | Reviewed By  |            | Approved By             |
| Sichan Lin                | Albert Chen  |            | Fuj Yang                |