

# Compal Confidential

## NTV00

LA-5662 Rev 0.2 Schematics

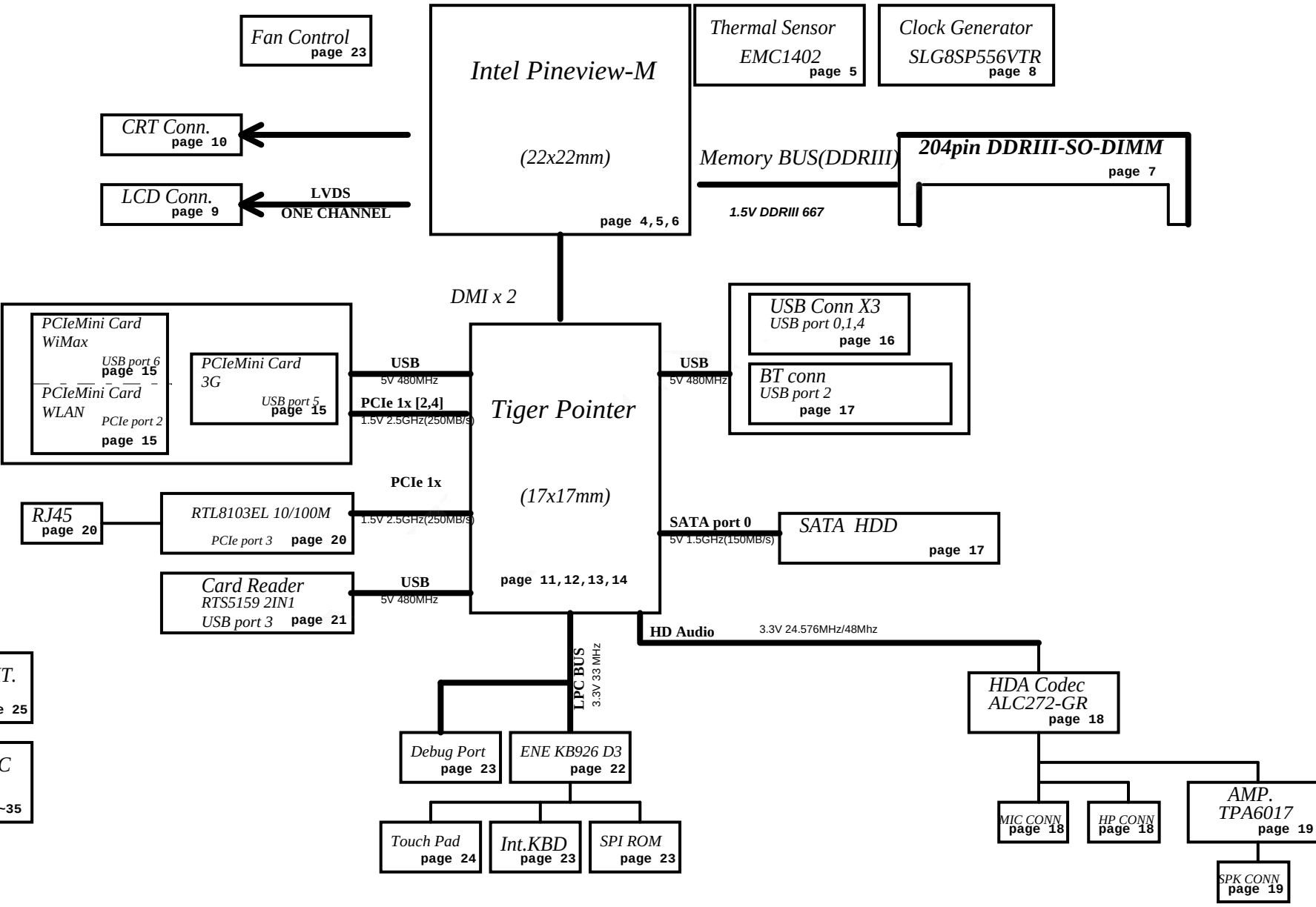
Intel PineView Processor/ Tiger point

2010-05-10 REV : 1.0

|                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            |                    |            |                          |                           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------------------|------------|--------------------------|---------------------------|
| Security Classification                                                                                                                                                                                                                                                                                                                                                                                                                                       |            | Compal Secret Data |            | Compal Electronics, Inc. |                           |
| Issued Date                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2010/02/02 | Deciphered Date    | 2011/02/02 | Title                    | SCHEMATIC MB A5662        |
| THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BY OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC. |            |                    |            | Size<br>Custom           | Document Number<br>401898 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            |                    |            | Date                     | Friday, June 04, 2010     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            |                    |            | Sheet                    | 1 of 36                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            |                    |            | Rev                      | B                         |

Compal Confidential

Model Name : NTV00  
File Name : LA-5661P



|                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            |                    |            |                          |                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------------------|------------|--------------------------|-----------------------|
| Security Classification                                                                                                                                                                                                                                                                                                                                                                                                                                       |            | Compal Secret Data |            | Compal Electronics, Inc. |                       |
| Issued Date                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2010/02/02 | Deciphered Date    | 2011/02/02 | Title                    |                       |
| THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BY OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC. |            |                    |            | Size                     | Document Number       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            |                    |            |                          | 401898                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            |                    |            | Date                     | Friday, June 04, 2010 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            |                    |            | Sheet                    | 2 of 36               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            |                    |            | Rev                      | B                     |

Voltage Rails

| Power Plane | Description                                  | S1 | S3  | S5  | G3  |
|-------------|----------------------------------------------|----|-----|-----|-----|
| VIN         | Adapter power supply (19V)                   | ON | ON  | ON  | OFF |
| B+          | AC or battery power rail for power circuit.  | ON | ON  | ON  | ON  |
| +CPU_CORE   | Core voltage for CPU                         | ON | OFF | OFF | OFF |
| +0.89VS     | 0.89VS GFX support voltage                   | ON | OFF | OFF | OFF |
| +0.75VS     | 0.75V switched power rail for DDR terminator | ON | OFF | OFF | OFF |
| +1.05VS     | VCCP switched power rail                     | ON | OFF | OFF | OFF |
| +1.5VS      | 1.5V switched power rail                     | ON | OFF | OFF | OFF |
| +1.5V       | 1.5V power rail for DDR                      | ON | ON  | OFF | OFF |
| +1.8VS      | 1.8VS switched power rail                    | ON | OFF | OFF | OFF |
| +3VALW      | 3.3V always on power rail                    | ON | ON  | ON  | OFF |
| +3V_SB      | 3.3V power rail for LAN                      | ON | ON  | OFF | OFF |
| +3V_LAN     | 3.3V power rail for LAN                      | ON | ON  | OFF | OFF |
| +RTCVCC     | RTC power                                    | ON | ON  | ON  | ON  |
| +3VS        | 3.3V switched power rail                     | ON | OFF | OFF | OFF |
| +5VALW      | 5V always on power rail                      | ON | ON  | ON  | OFF |
| +5V_SB      | 5V power rail for SB                         | ON | ON  | OFF | OFF |
| +5VS        | 5V switched power rail                       | ON | OFF | OFF | OFF |
| +VSB        | VSB always on power rail                     | ON | ON  | ON  | OFF |
|             |                                              |    |     |     |     |
|             |                                              |    |     |     |     |

Note : ON\* means that this power plane is ON only with AC power available, otherwise it is OFF.

| STATE \ SIGNAL       | SLP_S3# | SLP_S4# | SLP_S5# | +VALW | +V  | +VS | Clock |
|----------------------|---------|---------|---------|-------|-----|-----|-------|
| Full ON              | HIGH    | HIGH    | HIGH    | ON    | ON  | ON  | ON    |
| S1(Power On Suspend) | HIGH    | HIGH    | HIGH    | ON    | ON  | ON  | LOW   |
| S3 (Suspend to RAM)  | LOW     | HIGH    | HIGH    | ON    | ON  | OFF | OFF   |
| S4 (Suspend to Disk) | LOW     | LOW     | HIGH    | ON    | OFF | OFF | OFF   |
| S5 (Soft OFF)        | LOW     | LOW     | LOW     | ON    | OFF | OFF | OFF   |

BTO Option Table

| Function    | Mini PCI-E SLOT |        |     |  | STAR         |  |  |  |
|-------------|-----------------|--------|-----|--|--------------|--|--|--|
| description |                 |        |     |  |              |  |  |  |
| explain     | Wi-Fi           | WiMax  | 3G  |  | POWER SAVING |  |  |  |
| BTO         | WLAN@           | WIMAX@ | 3G@ |  | STAR@        |  |  |  |

|             |  |  |  |
|-------------|--|--|--|
| Function    |  |  |  |
| description |  |  |  |
| explain     |  |  |  |
| BTO         |  |  |  |

EC SM Bus1 address

EC SM Bus2 address

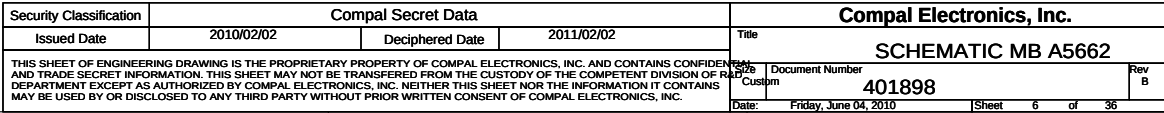
| Device        | Address     | Device  | Address     |
|---------------|-------------|---------|-------------|
| Smart Battery | 0001 011X b | EMC1402 | 1001 010X b |

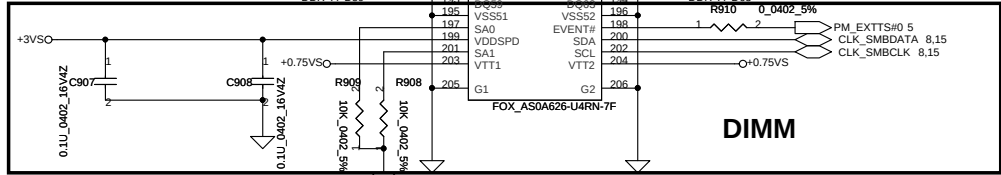
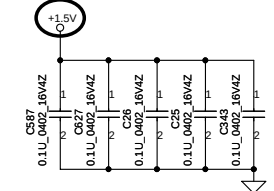
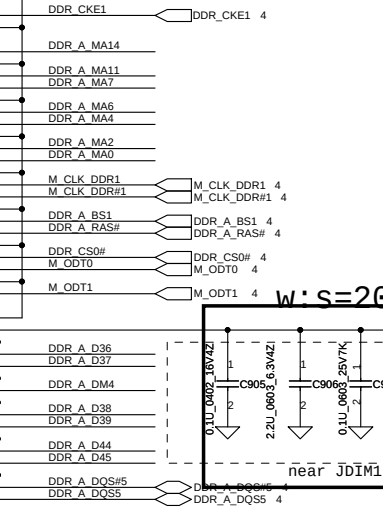
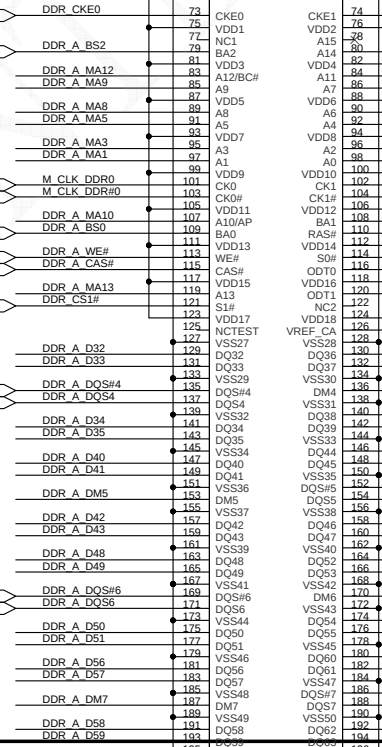
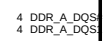
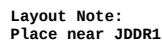
Tiger point SM Bus address

| Device                         | Address    |
|--------------------------------|------------|
| Clock Generator (SLG8SP556VTR) | 1101 001Xb |
| DDR DIMMA                      | 1010 000Xb |







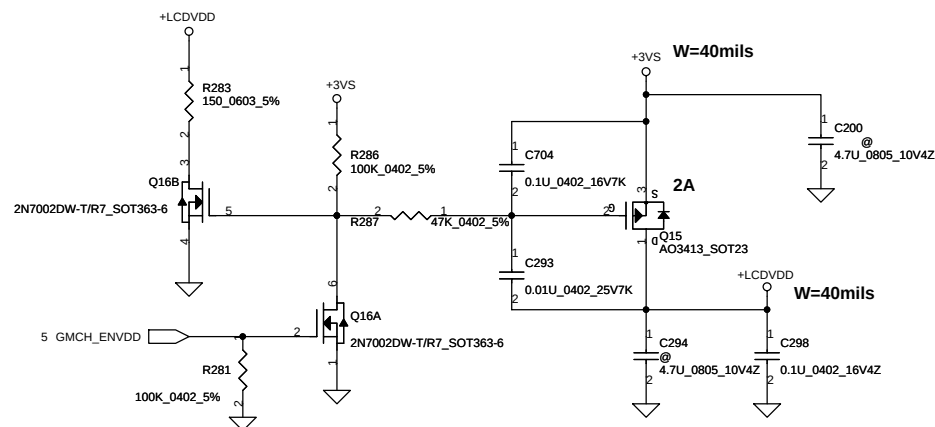


|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    |                 |            |                          |                       |       |         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-----------------|------------|--------------------------|-----------------------|-------|---------|
| Security Classification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Compal Secret Data |                 |            | Compal Electronics, Inc. |                       |       |         |
| Issued Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2010/02/02         | Deciphered Date | 2011/02/02 | Title                    | SCHEMATIC MB A5662    |       |         |
| THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF ROKU CORPORATION TO ANY OTHER DIVISION OR TO ANY OTHER PERSON WITHOUT THE WRITTEN CONSENT OF ROKU CORPORATION. THIS SHEET MAY NOT BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN CONSENT OF ROKU CORPORATION. ANY UNAUTHORIZED REPRODUCTION OR TRANSMISSION OF THIS SHEET IS PROHIBITED AND MAY BE SUBJECT TO CIVIL AND CRIMINAL PENALTIES. |                    |                 |            | Part                     | Document Number       | Rev   |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    |                 |            | Customer                 | 401898                | B     |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    |                 |            | Date:                    | Friday, June 04, 2010 | Sheet | 7 of 36 |



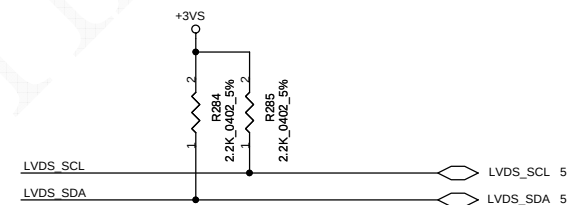
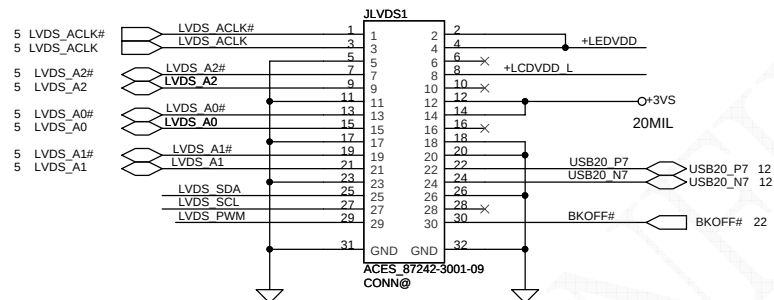


## LCD POWER CIRCUIT

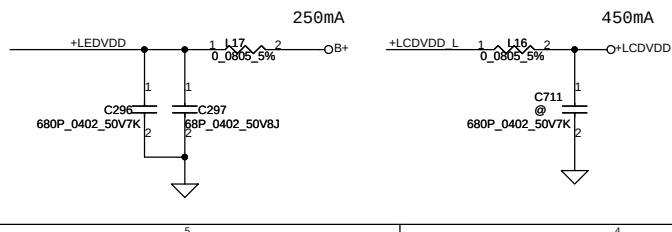
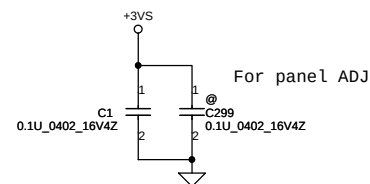
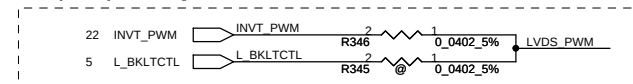


**LED/PANEL BD. Conn.**

## Combine INT.CAMERA with LVDS

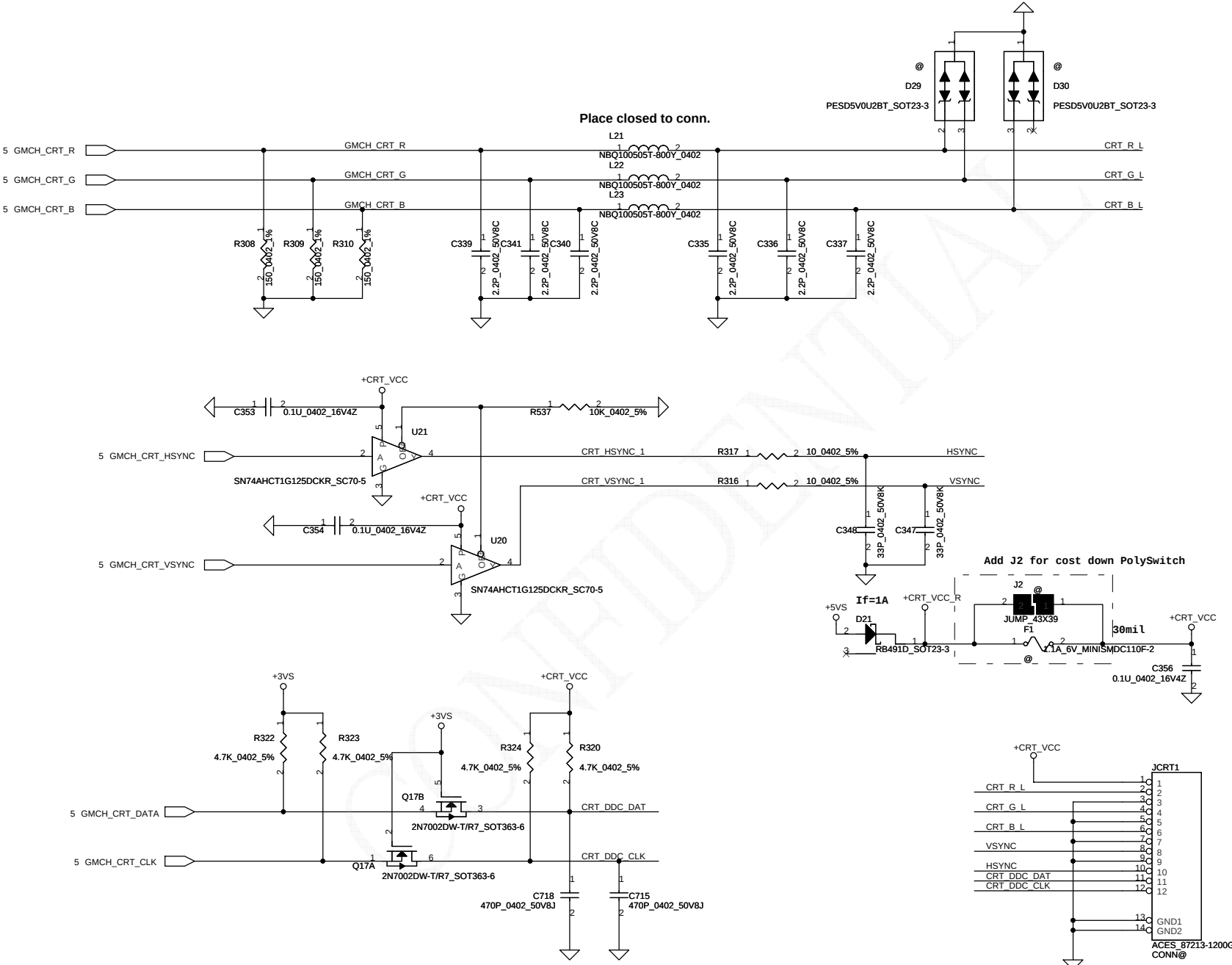


### Option panel brightness control



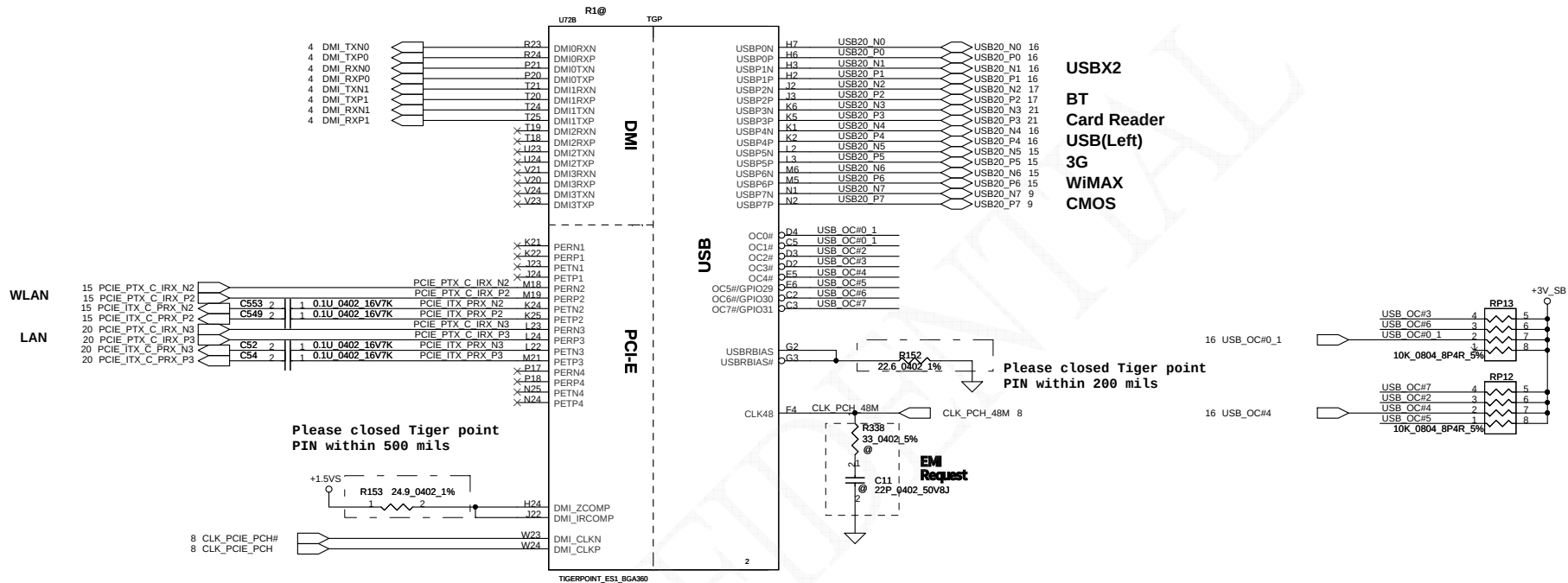
|                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            |                    |            |                          |                       |       |         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------------------|------------|--------------------------|-----------------------|-------|---------|
| Security Classification                                                                                                                                                                                                                                                                                                                                                                                                                                       |            | Compal Secret Data |            | Compal Electronics, Inc. |                       |       |         |
| Issued Date                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2010/02/02 | Deciphered Date    | 2011/02/02 | Title                    | SCHEMATIC MB A5662    |       |         |
| THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BY OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC. |            |                    |            | Size                     | Document Number       | Rev B |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            |                    |            |                          | 401898                |       |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            |                    |            | Date:                    | Friday, June 04, 2010 | Sheet | 9 of 36 |

CRT CONNECTOR

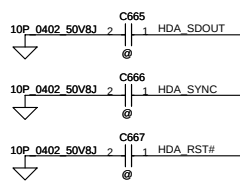
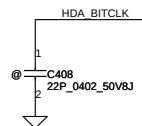
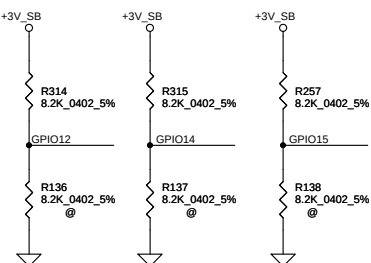
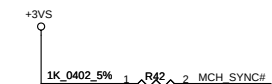
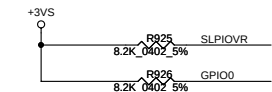
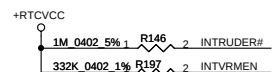
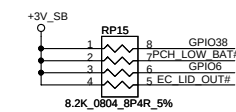
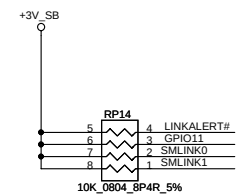
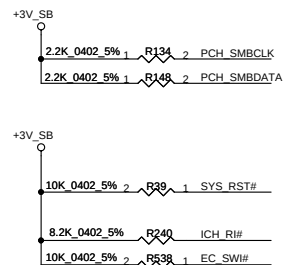


|                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            |                       |            |                          |          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------------------|------------|--------------------------|----------|
| Security Classification                                                                                                                                                                                                                                                                                                                                                                                                                                       |            | Compal Secret Data    |            | Compal Electronics, Inc. |          |
| Issued Date                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2010/02/02 | Deciphered Date       | 2011/02/02 | Title                    |          |
| THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BY OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC. |            |                       |            | SCHEMATIC MB A5662       |          |
| Date                                                                                                                                                                                                                                                                                                                                                                                                                                                          |            | Friday, June 04, 2010 |            | Sheet                    | 10 of 36 |

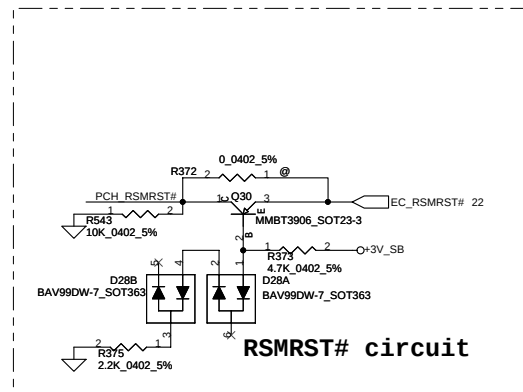
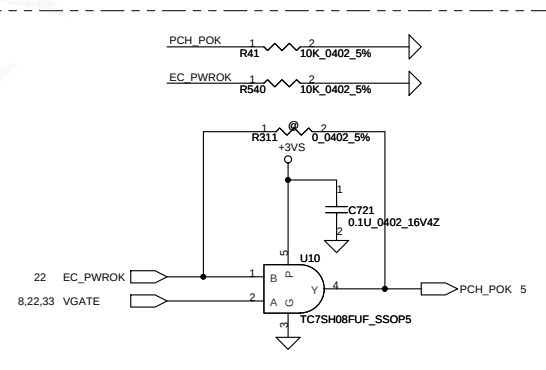
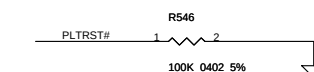
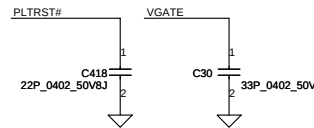
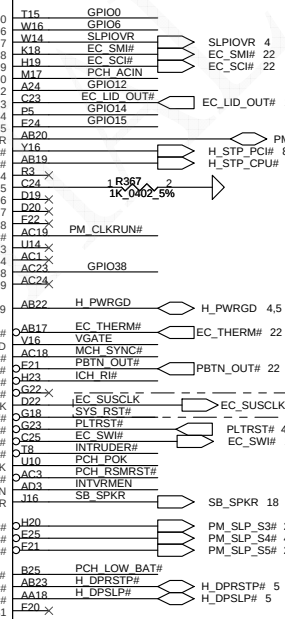
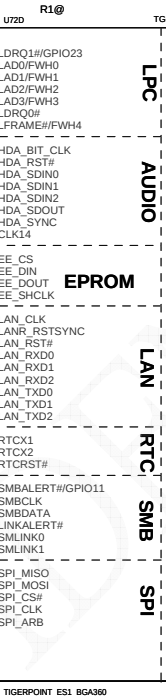
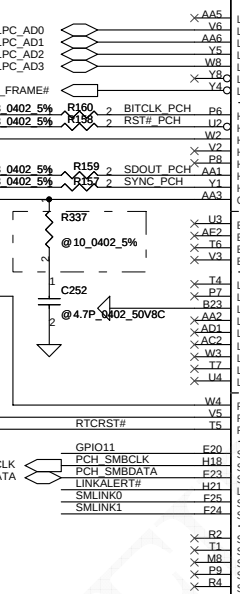
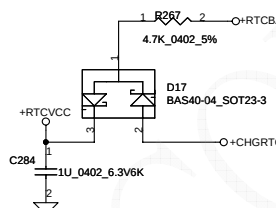
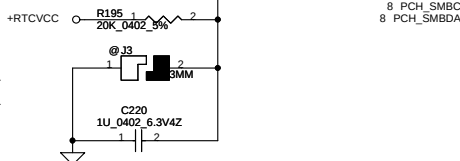
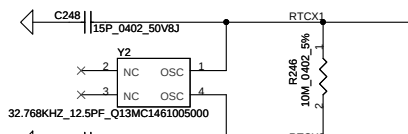




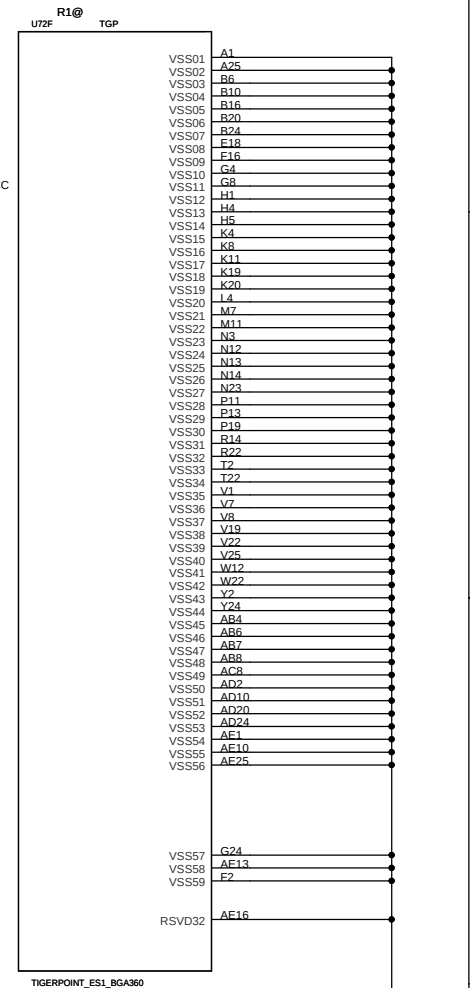
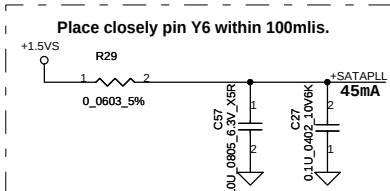
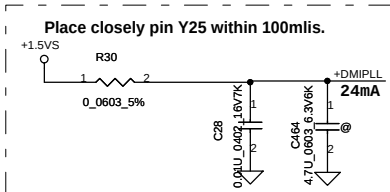
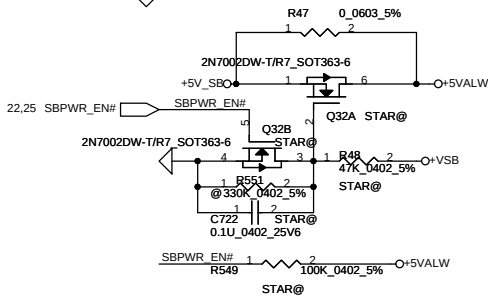
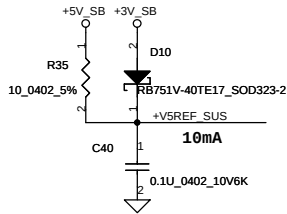
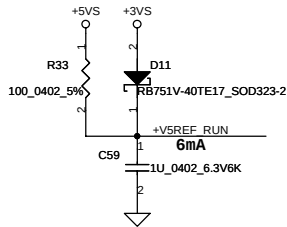
| Security Classification                                                                                                                                                                                                                                                                                                                                                                                                                                       |            | Compal Secret Data |            | Compal Electronics, Inc. |                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------------------|------------|--------------------------|-----------------------|
| Issued Date                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2010/02/02 | Deciphered Date    | 2011/02/02 | Title                    | SCHEMATIC MB A5662    |
| THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BY OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC. |            |                    |            | Document Number          | 401898                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            |                    |            | Date                     | Friday, June 04, 2010 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            |                    |            | Sheet                    | 12 of 36              |



For EMI, Close to TigerPoint



| Security Classification                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |            |  | Compal Secret Data |  |            |  | Compal Electronics, Inc. |  |                       |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------|--|--------------------|--|------------|--|--------------------------|--|-----------------------|--|
| Issued Date                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  | 2010/02/02 |  | Deciphered Date    |  | 2011/02/02 |  | Title                    |  | SCHEMATIC MB A5662    |  |
| THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BY OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC. |  | Rev        |  | Document Number    |  | 401898     |  | Date                     |  | Friday, June 04, 2010 |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |            |  |                    |  |            |  | Sheet                    |  | 13 of 36              |  |



|                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |            |                    |            |                          |                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------------------|------------|--------------------------|-----------------------|
| Security Classification                                                                                                                                                                                                                                                                                                                                                                                                                                                 |            | Compal Secret Data |            | Compal Electronics, Inc. |                       |
| Issued Date                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2010/02/02 | Deciphered Date    | 2011/02/02 | Title                    | SCHEMATIC MB A5662    |
| THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF RESEARCH AND DEVELOPMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BY OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC. |            |                    |            | Document Number          | 401898                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |            |                    |            | Date:                    | Friday, June 04, 2010 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |            |                    |            | Sheet                    | 14 of 36              |

The schematic diagram illustrates the JMINI2 module and its connections. At the top, two power supply sections are shown: one for +3VS and another for +1.5VS, both featuring decoupling capacitors (C388, C94, C103, C245, C125, C116, C124) and resistors (0.01U\_0402\_25V7K, 4.7U\_0805\_10V4Z, 22U\_0805\_6.3V6M).

The JMINI2 module is a central component with multiple pins. It is connected to a debug card using a FOX\_AS0B226-S40N-7F CONN@. The debug card includes components like R60, R74, R68, and R74, and is labeled "Debug card using".

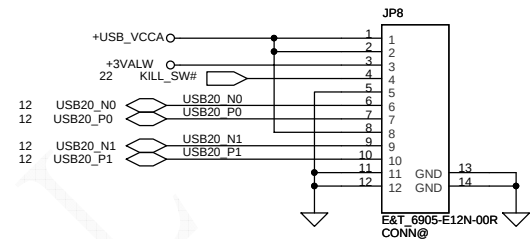
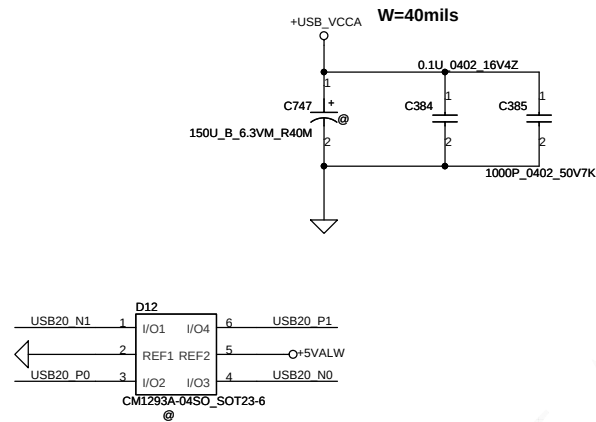
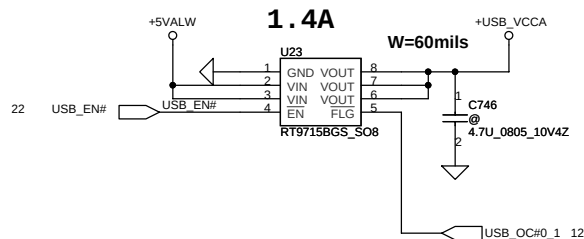
Other connections include:
 

- WLAN/WiFi: WLAN\_BT\_DATA, WLAN\_BT\_CLK, WLAN\_CLKREQ#, CLK\_PCIE\_WLAN#, CLK\_PCIE\_WLAN, PCIE\_PTX\_C\_IRX\_N2, PCIE\_PTX\_C\_IRX\_P2, PCIE\_ITX\_C\_PRX\_N2, PCIE\_ITX\_C\_PRX\_P2.
- USB: USB20\_N6 12, USB20\_P6 12.
- LED: WLAN\_LED# MO, R418 100K\_0402\_5% (9-16mA).
- Power: +3VS, +1.5VS, WL\_OFF#, PLTRST#.
- Other: WL\_OFF# 22, PLTRST# 4.5,13,20, CLK\_SMBCLK 7.8, CLK\_SMBDATA 7.8.

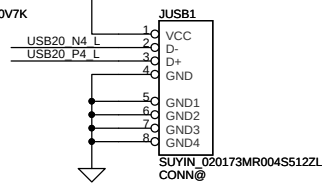
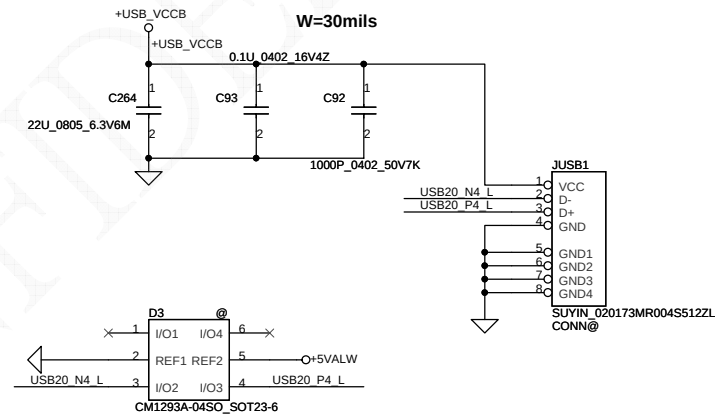
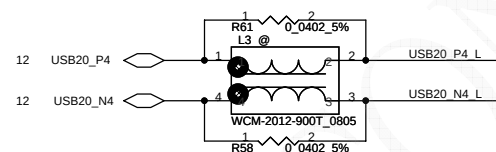
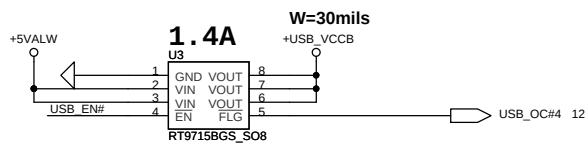
The bottom section shows additional components like C669 and C668, and connections to WLAN\_BT\_DATA and WLAN\_BT\_CLK.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    |                 |            |                          |                    |       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-----------------|------------|--------------------------|--------------------|-------|
| Security Classification                                                                                                                                                                                                                                                                                                                                                                                                                                       | Compal Secret Data |                 |            | Compal Electronics, Inc. |                    |       |
| Issued Date                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2010/02/02         | Deciphered Date | 2011/02/02 | Title                    | SCHEMATIC MB A5662 |       |
| THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BY OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC. |                    |                 |            | Part                     | Document Number    | Rev   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    |                 |            |                          | 401898             |       |
| Date: Friday, June 04, 2010                                                                                                                                                                                                                                                                                                                                                                                                                                   |                    |                 |            | Sheet                    | 15                 | of 36 |

USB X2

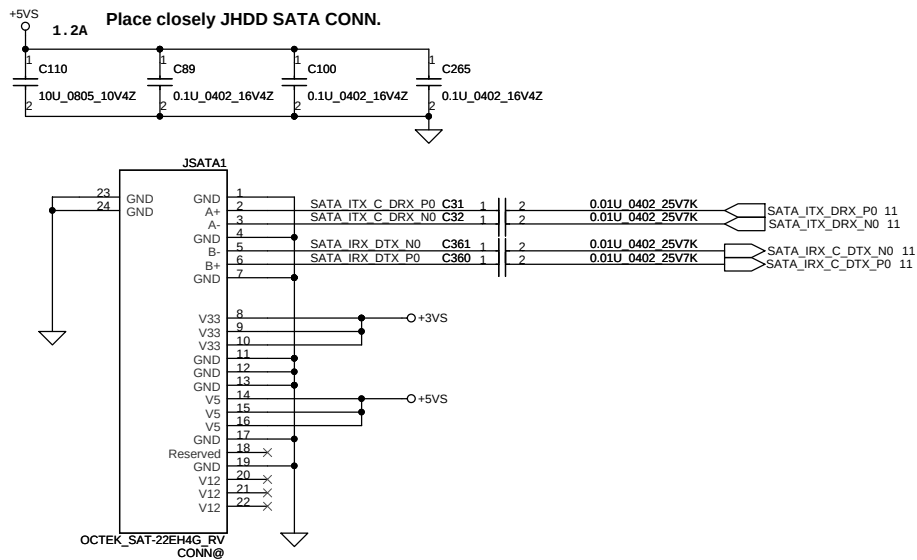


USB Board--Left

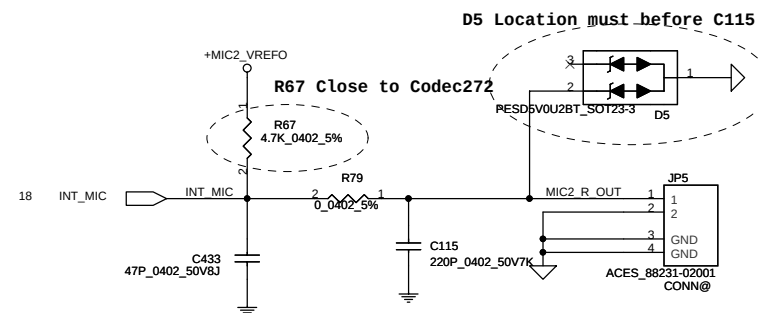
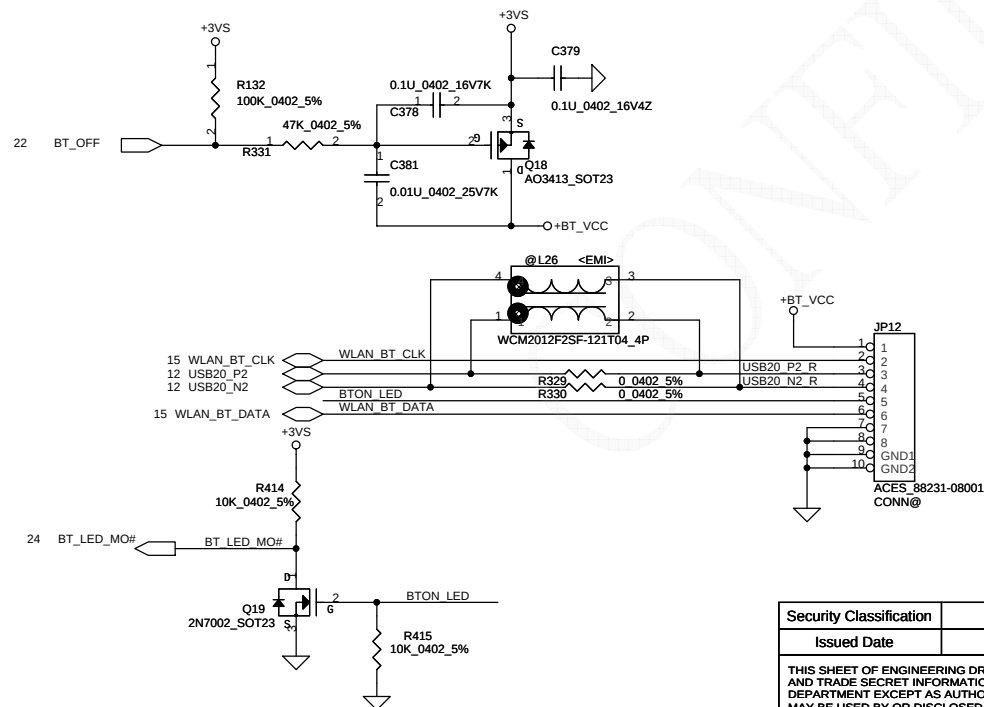


|                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            |                    |            |                          |                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------------------|------------|--------------------------|-----------------------|
| Security Classification                                                                                                                                                                                                                                                                                                                                                                                                                                       |            | Compal Secret Data |            | Compal Electronics, Inc. |                       |
| Issued Date                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2010/02/02 | Deciphered Date    | 2011/02/02 | Title                    | SCHEMATIC MB A5662    |
| THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BY OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC. |            |                    |            | Document Number          | 401898                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            |                    |            | Date                     | Friday, June 04, 2010 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            |                    |            | Sheet                    | 16 of 36              |



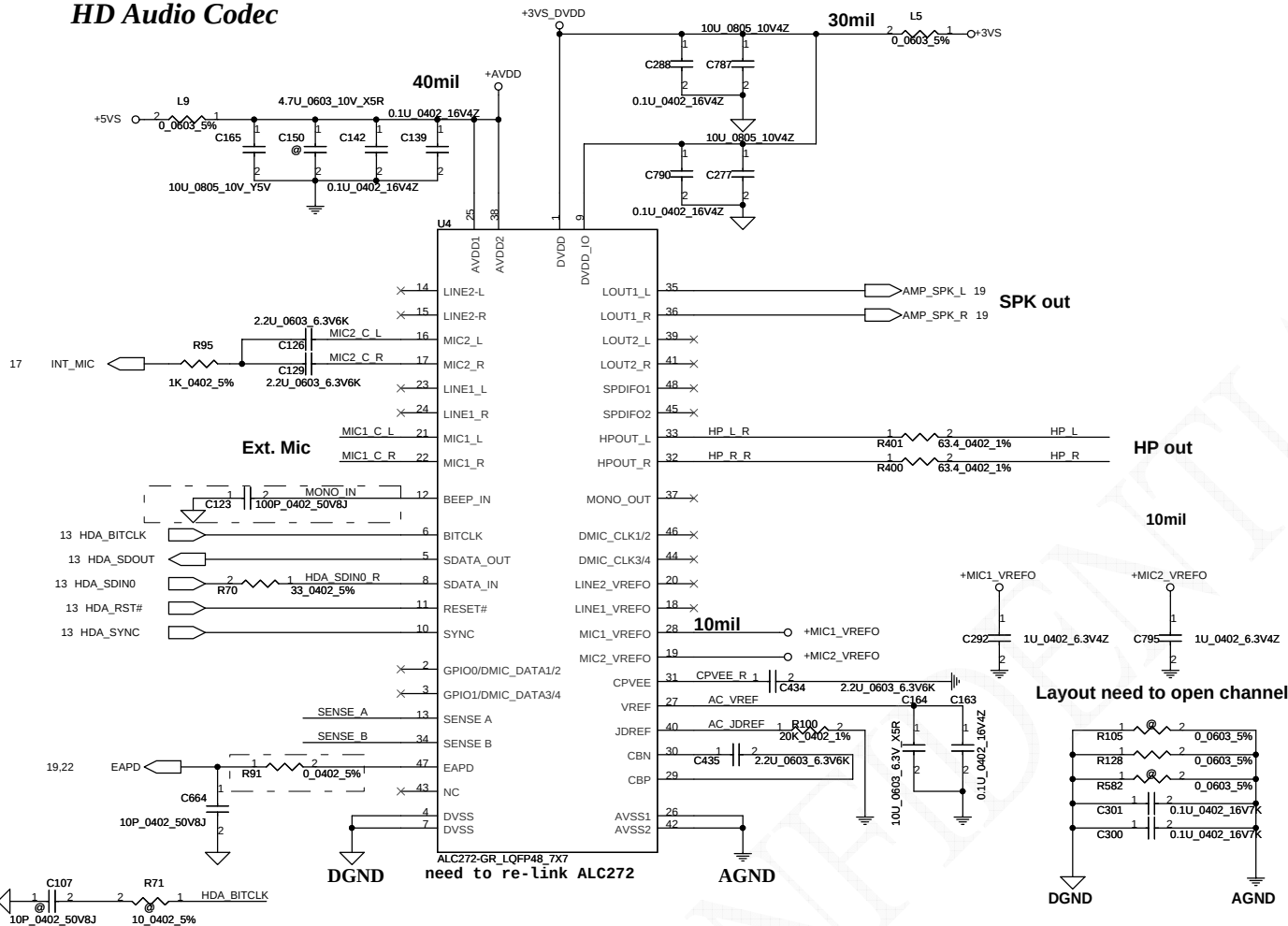
**SATA Conn.**

## BlueTooth Interface

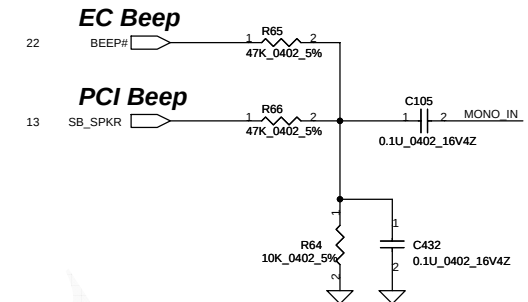


|                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    |                 |            |                          |                       |                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-----------------|------------|--------------------------|-----------------------|----------------|
| Security Classification                                                                                                                                                                                                                                                                                                                                                                                                                                       | Compal Secret Data |                 |            | Compal Electronics, Inc. |                       |                |
| Issued Date                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2010/02/02         | Deciphered Date | 2011/02/02 | Title                    | SCHEMATIC MB A5662    |                |
| THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BY OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC. |                    |                 |            | Size                     | Document Number       | Rev            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    |                 |            | Custom                   | 401898                | B              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    |                 |            | Date:                    | Friday, June 04, 2010 | Sheet 17 of 36 |

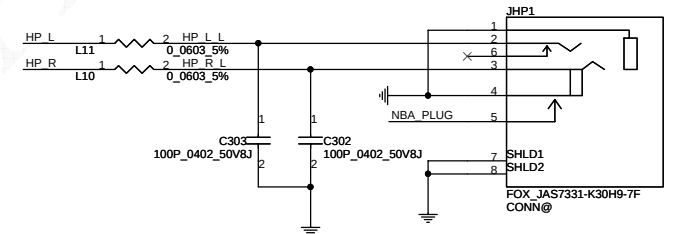
# HD Audio Codec



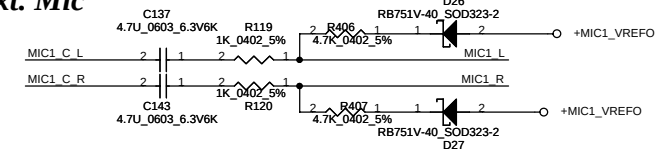
## Beep sound



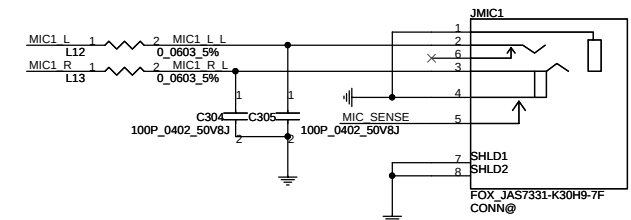
## Head Phone JACK



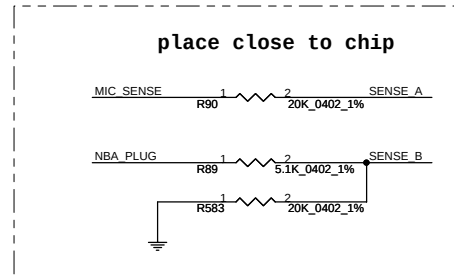
## Ext. Mic



## Ex.MIC JACK



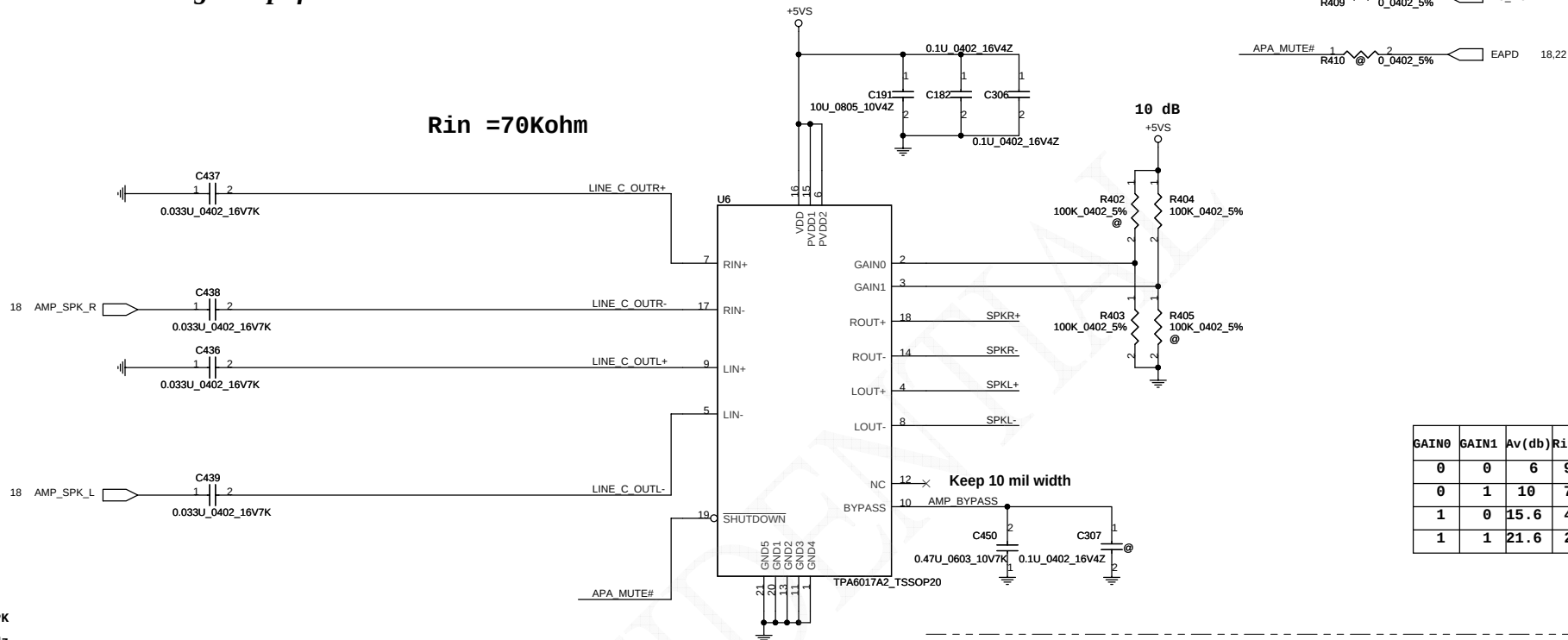
| Sense Pin | Impedance | Codec Signals       | Function |
|-----------|-----------|---------------------|----------|
| SENSE A   | 39.2K     | PORT-A (PIN 39, 41) | Ext. MIC |
|           | 20K       | PORT-B (PIN 21, 22) |          |
|           | 10K       | PORT-C (PIN 23, 24) |          |
|           | 5.1K      | PORT-D (PIN 35, 36) |          |
| SENSE B   | 39.2K     | PORT-E (PIN 14, 15) | Int. MIC |
|           | 20K       | PORT-F (PIN 16, 17) |          |
|           | 10K       | PORT-H (PIN 37)     |          |
|           | 5.1K      | PORT-I (PIN 32, 33) |          |



|                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                       |                 |                          |                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------|--------------------------|-------------------|
| Security Classification                                                                                                                                                                                                                                                                                                                                                                                                                                       | Compal Secret Data    |                 | Compal Electronics, Inc. |                   |
| Issued Date                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2010/02/02            | Deciphered Date | 2011/02/02               | Title             |
| THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BY OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC. |                       |                 |                          | SCHMATIC MB A5662 |
| Size                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Custom                | Document Number | 401898                   | Rev B             |
| Date                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Friday, June 04, 2010 | Sheet           | 18                       | of 36             |

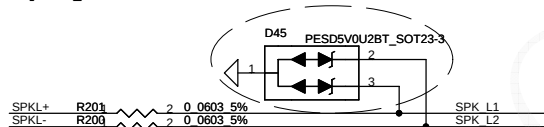
# TPA6017 Medium Range Amplifier

Rin =70Kohm



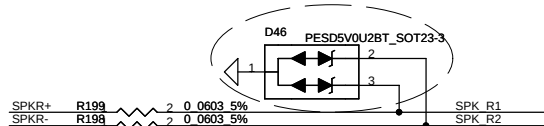
Use mono SPK  
setting 68Hz  
F=1/2πRC --> -3db  
C=0.033uF, R=70K, F=68Hz

## Left Speaker Connector

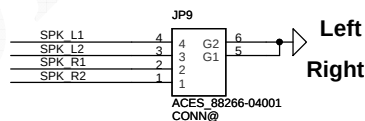


7/3 Change to SCA00000T00 for ESD request

## Right Speaker Connector



7/3 Change to SCA00000T00 for ESD request



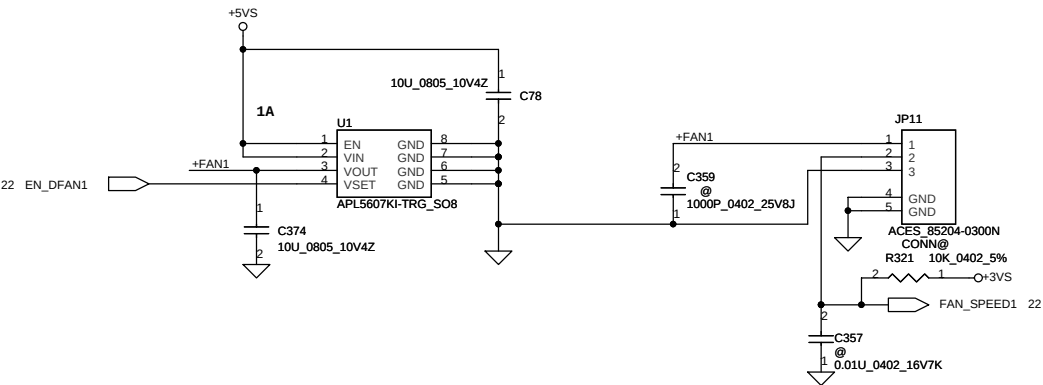
|                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                    |  |                 |  |                          |                       |       |                |     |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------|--|-----------------|--|--------------------------|-----------------------|-------|----------------|-----|--|
| Security Classification                                                                                                                                                                                                                                                                                                                                                                                                                                       |  | Compal Secret Data |  |                 |  | Compal Electronics, Inc. |                       |       |                |     |  |
| Issued Date                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  | 2010/02/02         |  | Deciphered Date |  | 2011/02/02               |                       | Title |                |     |  |
| THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BY OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC. |  |                    |  |                 |  | SCHEMATIC MB A5662       |                       |       |                |     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                    |  |                 |  | Size                     | Document Number       |       |                | Rev |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                    |  |                 |  | Custom                   | 401898                |       |                | B   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                    |  |                 |  | Date:                    | Friday, June 04, 2010 |       | Sheet 19 of 36 |     |  |



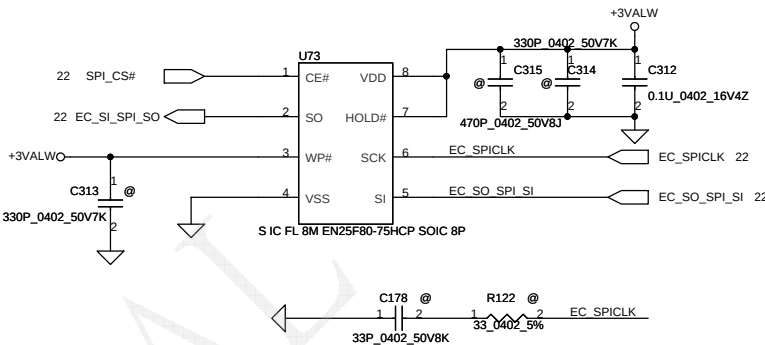




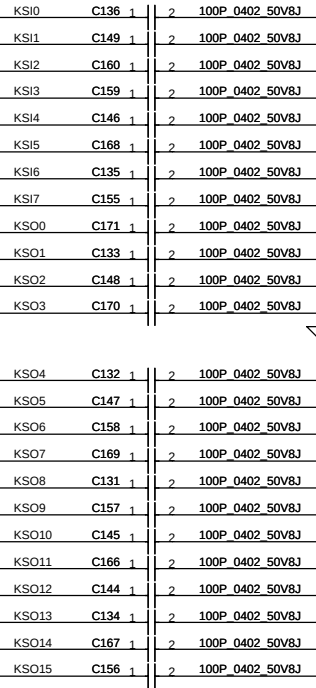
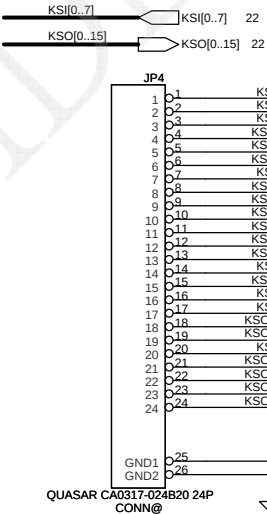
FAN Control Circuit



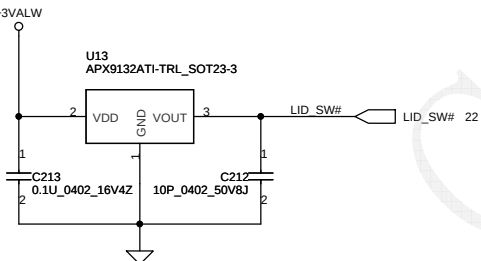
SPI Flash (16Mb\*1)



KEYBOARD  
CONN.

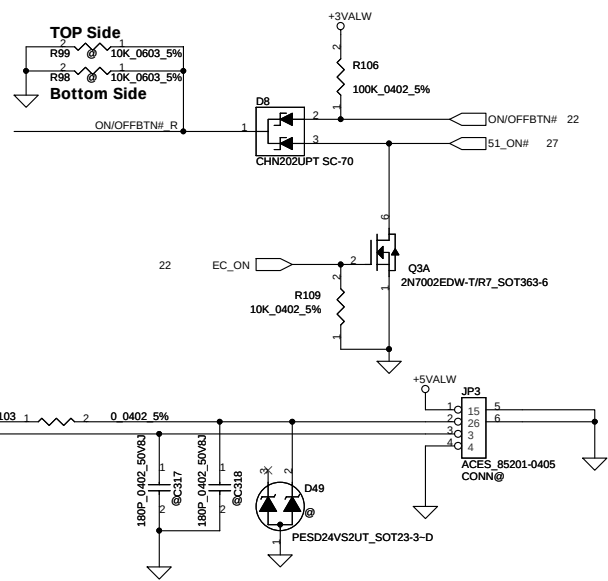


Lid SW

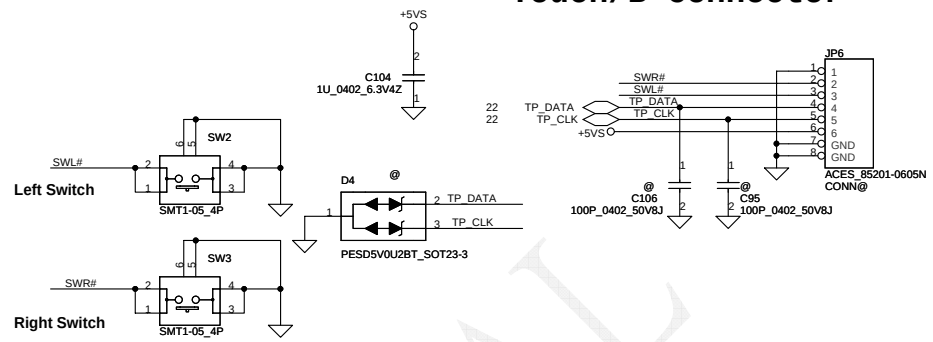


|                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    |                 |                          |                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-----------------|--------------------------|-----------------------|
| Security Classification                                                                                                                                                                                                                                                                                                                                                                                                                                       | Compal Secret Data |                 | Compal Electronics, Inc. |                       |
| Issued Date                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2010/02/02         | Deciphered Date | 2011/02/02               | Title                 |
| THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BY OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC. |                    |                 | Document Number          | 401898                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    |                 | Date:                    | Friday, June 04, 2010 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    |                 | Sheet                    | 23 of 36              |

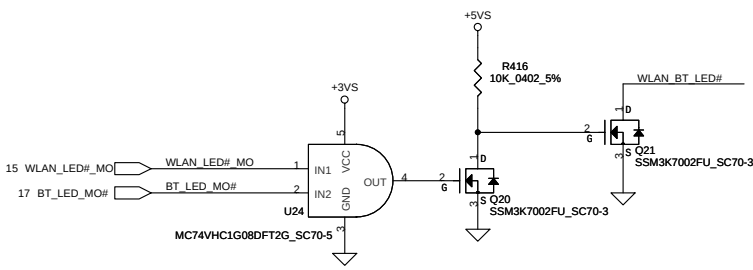
Power Button



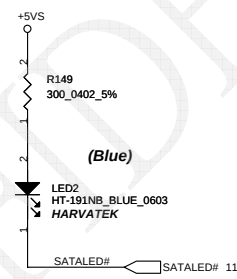
Touch/B Connector



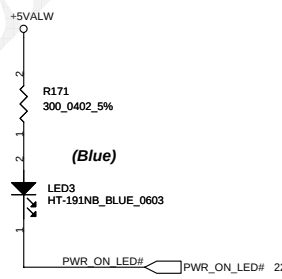
ISPD



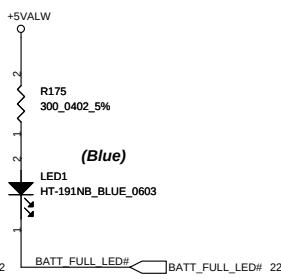
HDD\_LED



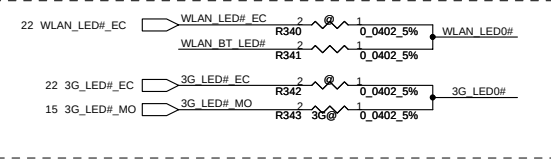
Power\_LED



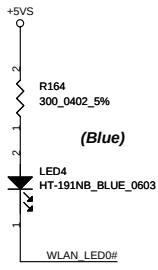
Charge\_LED



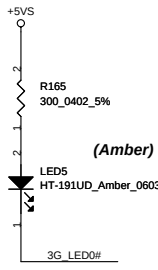
Option control LED



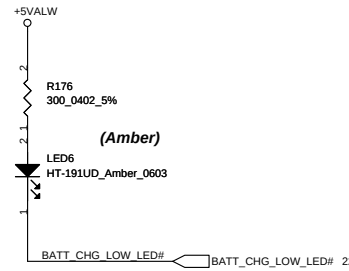
WLAN\_LED



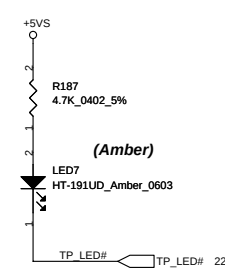
3G\_LED



Charge\_LED



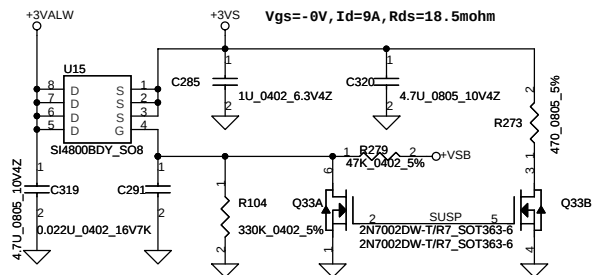
TP\_LED



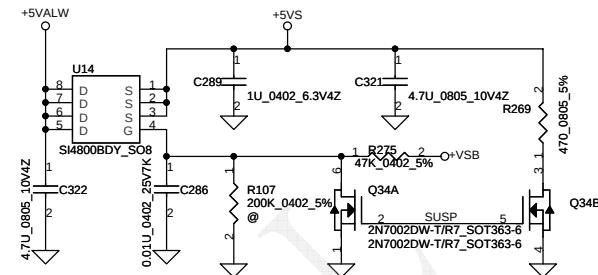
|                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            |                    |            |                          |                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------------------|------------|--------------------------|-----------------------|
| Security Classification                                                                                                                                                                                                                                                                                                                                                                                                                                       |            | Compal Secret Data |            | Compal Electronics, Inc. |                       |
| Issued Date                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2010/02/02 | Deciphered Date    | 2011/02/02 | Title                    | SCHEMATIC MB A5662    |
| THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BY OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC. |            |                    |            | Document Number          | 401898                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            |                    |            | Date                     | Friday, June 04, 2010 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            |                    |            | Sheet                    | 24 of 36              |



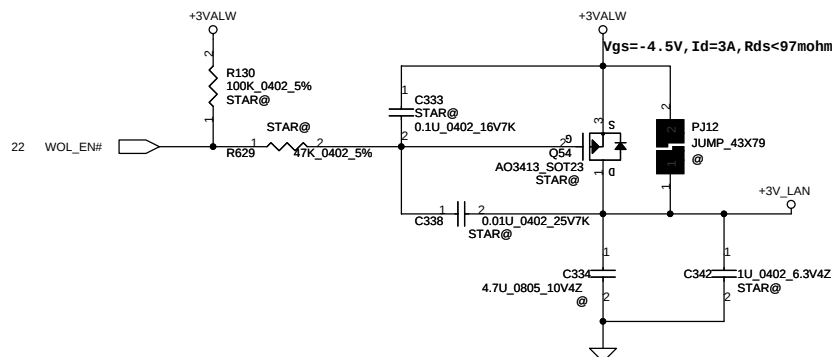
# +3VALW TO +3VS



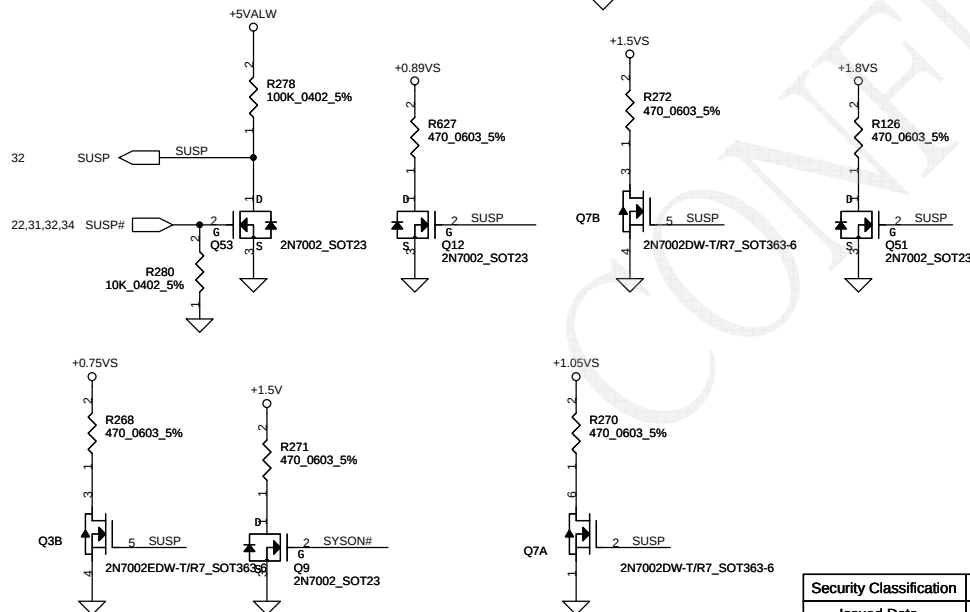
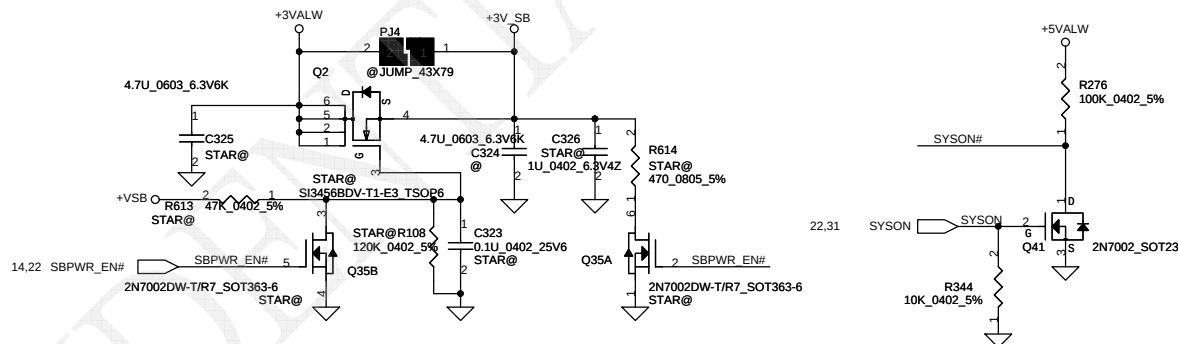
# +5VALW TO +5VS



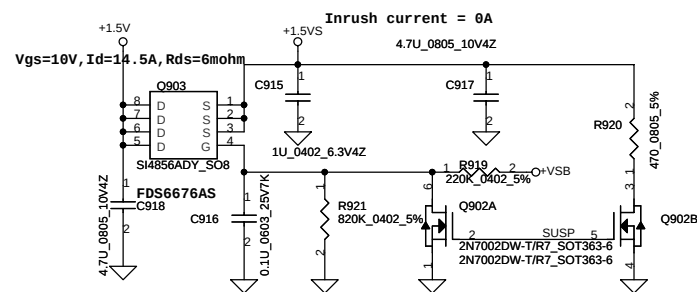
# +3VALW TO +3V\_LAN



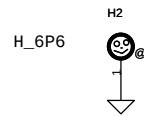
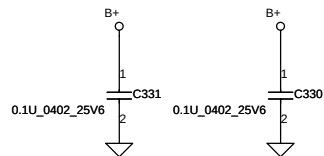
# +3VALW TO +3V\_SB



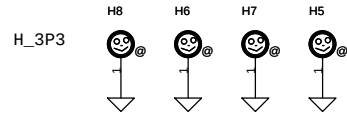
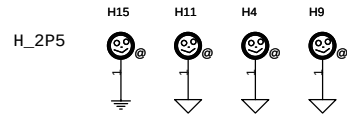
# +1.5V to +1.5VS



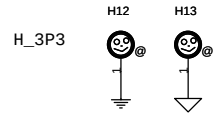
| Security Classification                                                                                                                                                                                                                                                                                                                                                                                                                                       |            | Compal Secret Data |            | Compal Electronics, Inc. |                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------------------|------------|--------------------------|-----------------------|
| Issued Date                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2010/02/02 | Deciphered Date    | 2011/02/02 | Title                    | SCHEMATIC MB A5662    |
| THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BY OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC. |            |                    |            | Document Number          | 401898                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            |                    |            | Date                     | Friday, June 04, 2010 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            |                    |            | Sheet                    | 25 of 36              |



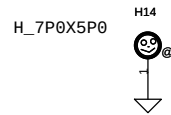
02/12 H2 change to H\_6P6



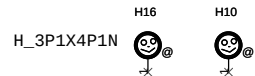
01/06 H\_3P8 change to H\_3P3



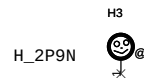
01/06 H\_3P1 change to H\_3P3



02/12 H\_7P0X5P0N change to H\_7P0X5P0



01/06 Add a H\_3P1X4P1N



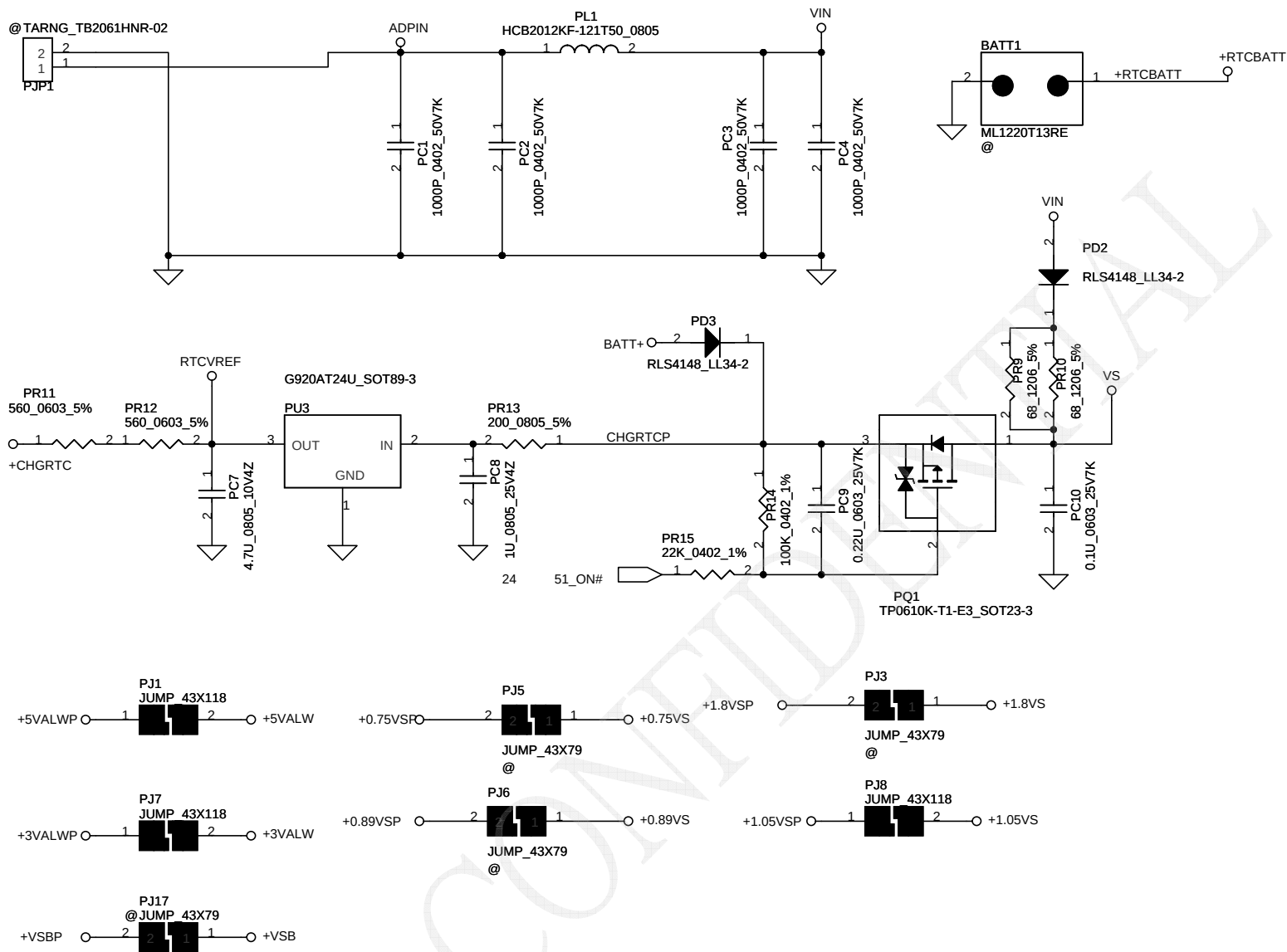
01/06 H\_2P9N change to H\_2P7N

03/11 H\_2P7N change to H\_2P9N



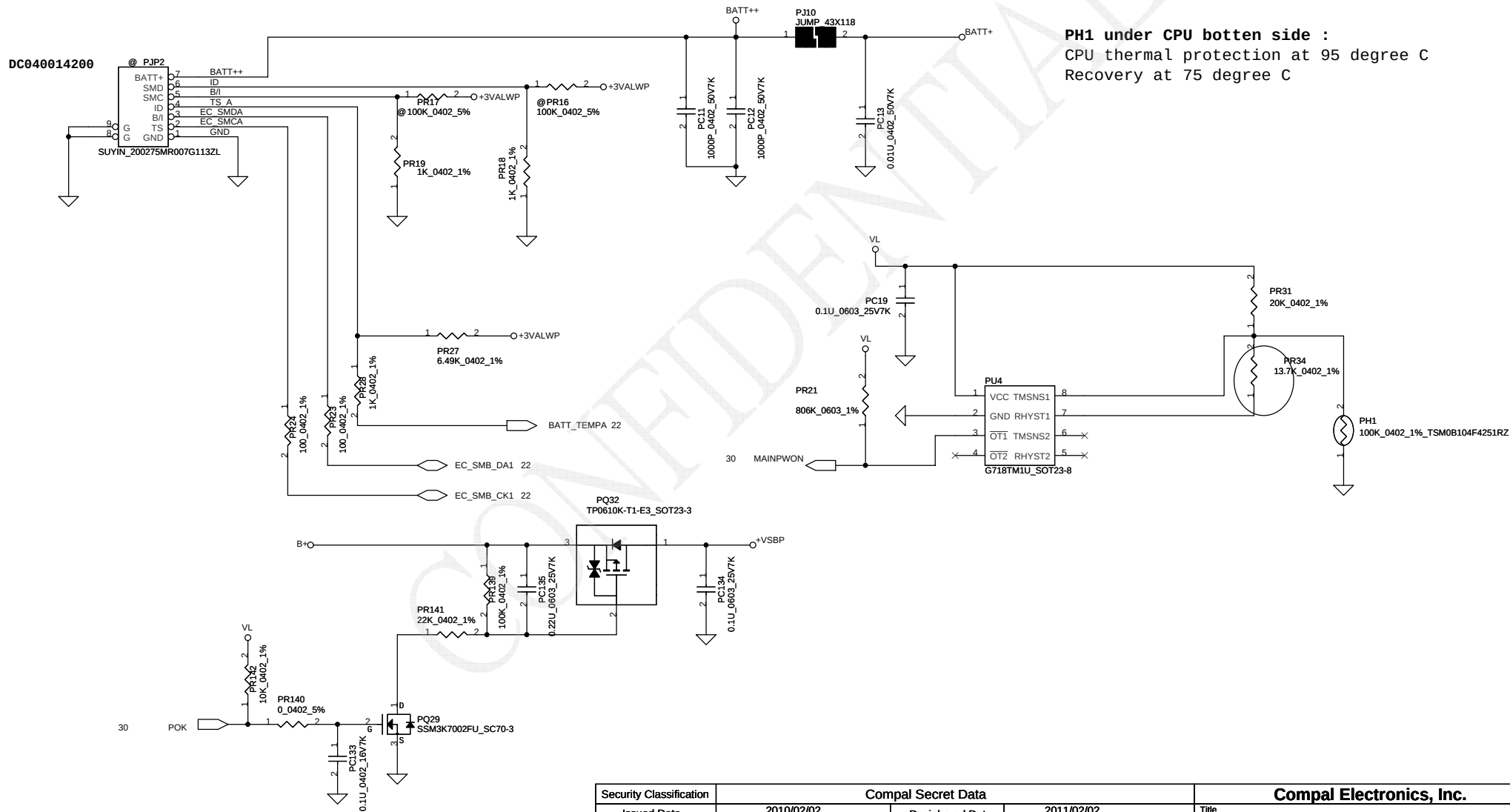
FIDUCIAL\_C40M80

|                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                       |  |                          |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------|--|--------------------------|--|
| Security Classification                                                                                                                                                                                                                                                                                                                                                                                                                                       |  | Compal Secret Data    |  | Compal Electronics, Inc. |  |
| Issued Date                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  | 2010/02/02            |  | Deciphered Date          |  |
| 2011/02/02                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | Title                 |  | SCHEMATIC MB A5662       |  |
| THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BY OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC. |  | Document Number       |  | Rev B                    |  |
| Date                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | Friday, June 04, 2010 |  | Sheet 26 of 36           |  |



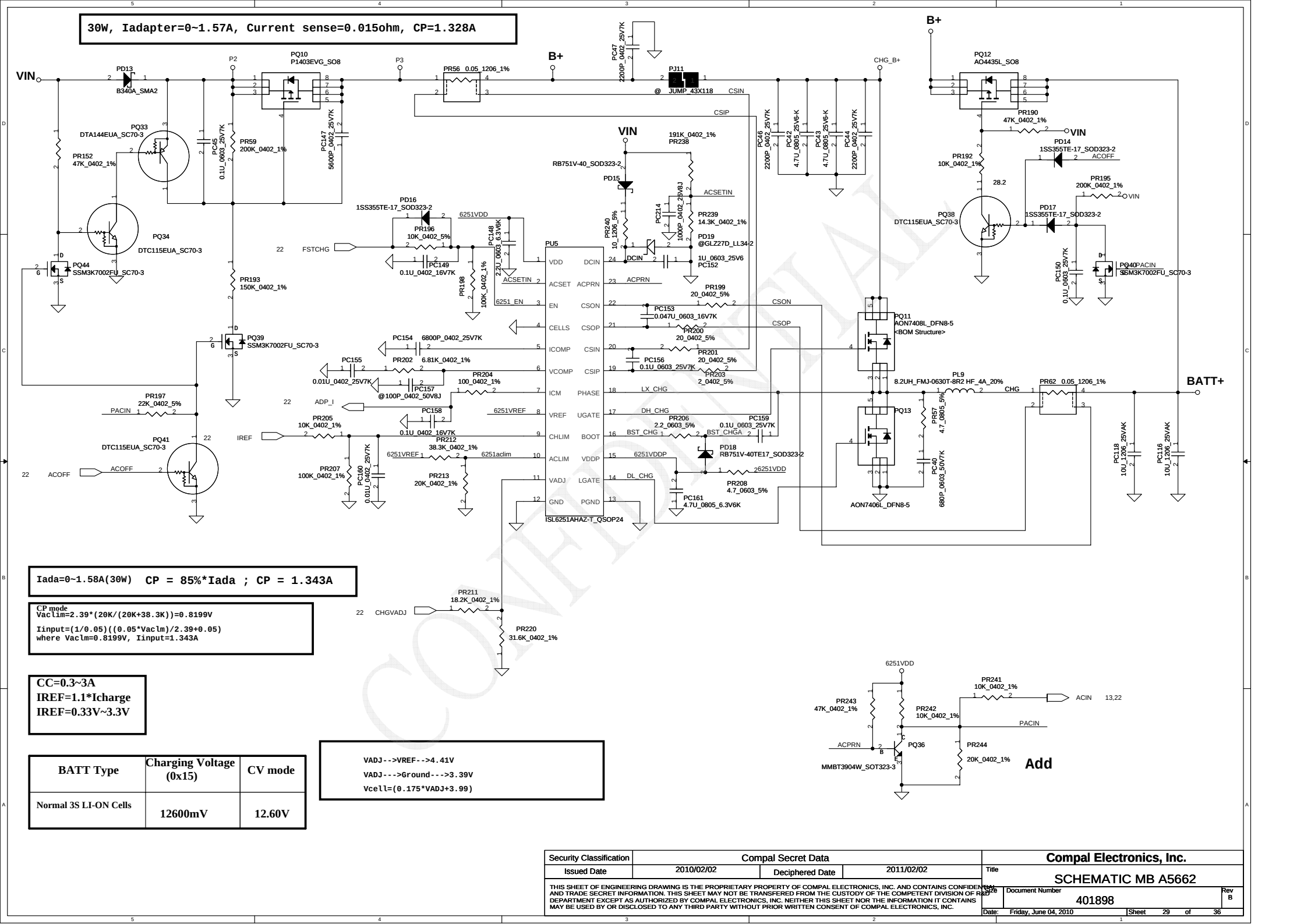
|                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            |                       |            |                          |          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------------------|------------|--------------------------|----------|
| Security Classification                                                                                                                                                                                                                                                                                                                                                                                                                                       |            | Compal Secret Data    |            | Compal Electronics, Inc. |          |
| Issued Date                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2010/02/02 | Deciphered Date       | 2011/02/02 | Title                    |          |
| THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BY OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC. |            |                       |            | Document Number          | Rev      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            |                       |            | 401898                   | B        |
| Date:                                                                                                                                                                                                                                                                                                                                                                                                                                                         |            | Friday, June 04, 2010 |            | Sheet                    | 27 of 36 |

DC040014200

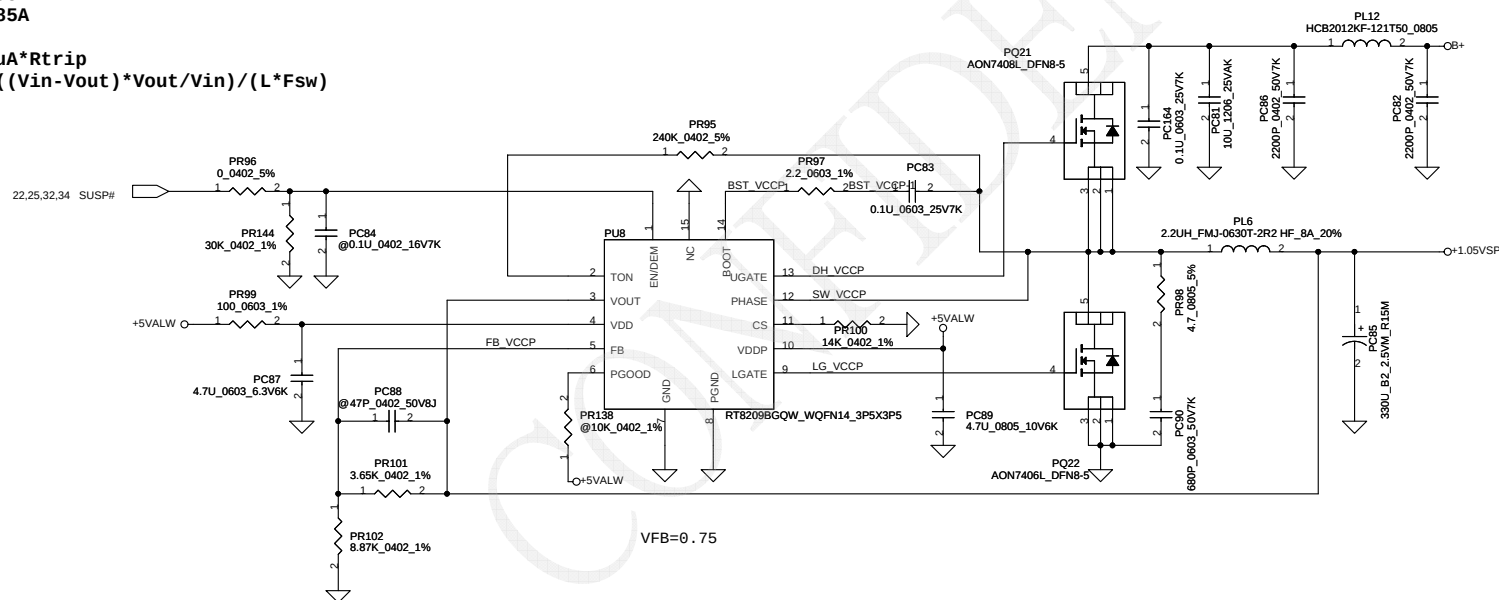
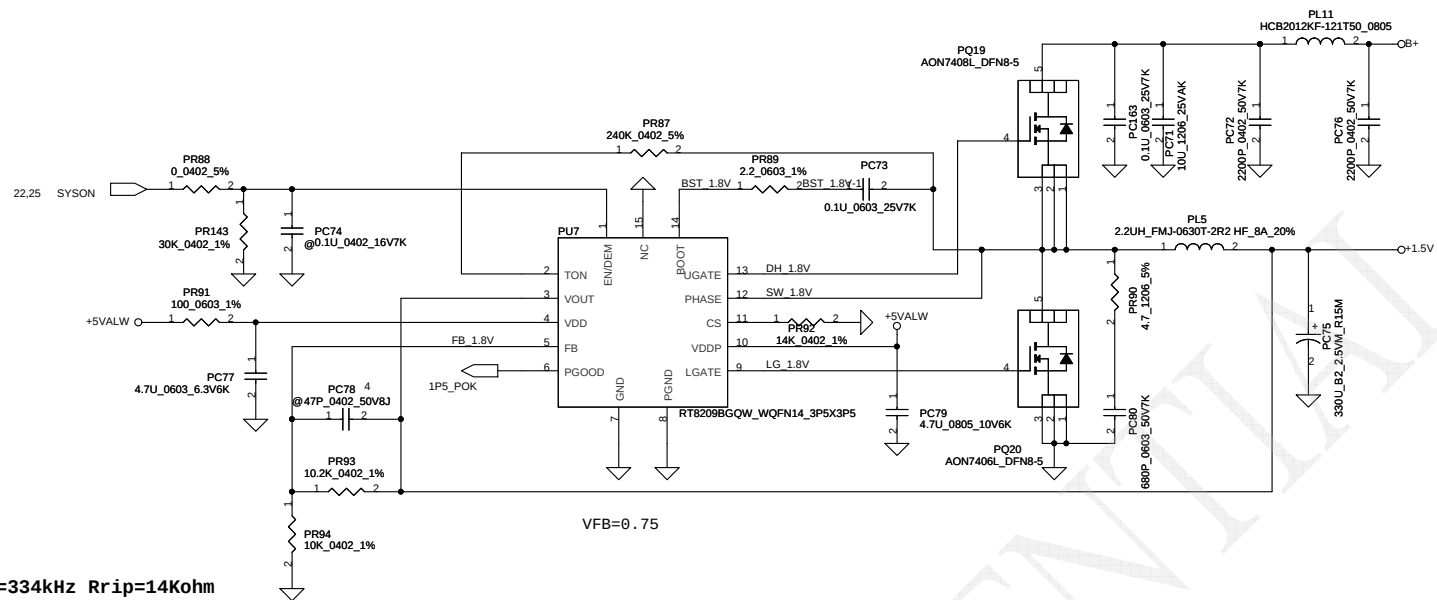


|                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            |                    |            |                          |                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------------------|------------|--------------------------|-----------------------|
| Security Classification                                                                                                                                                                                                                                                                                                                                                                                                                                       |            | Compal Secret Data |            | Compal Electronics, Inc. |                       |
| Issued Date                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2010/02/02 | Deciphered Date    | 2011/02/02 | Title                    | SCHEMATIC MB A5662    |
| THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BY OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC. |            |                    |            | Document Number          | 401898                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            |                    |            | Date                     | Friday, June 04, 2010 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            |                    |            | Sheet                    | 28 of 36              |

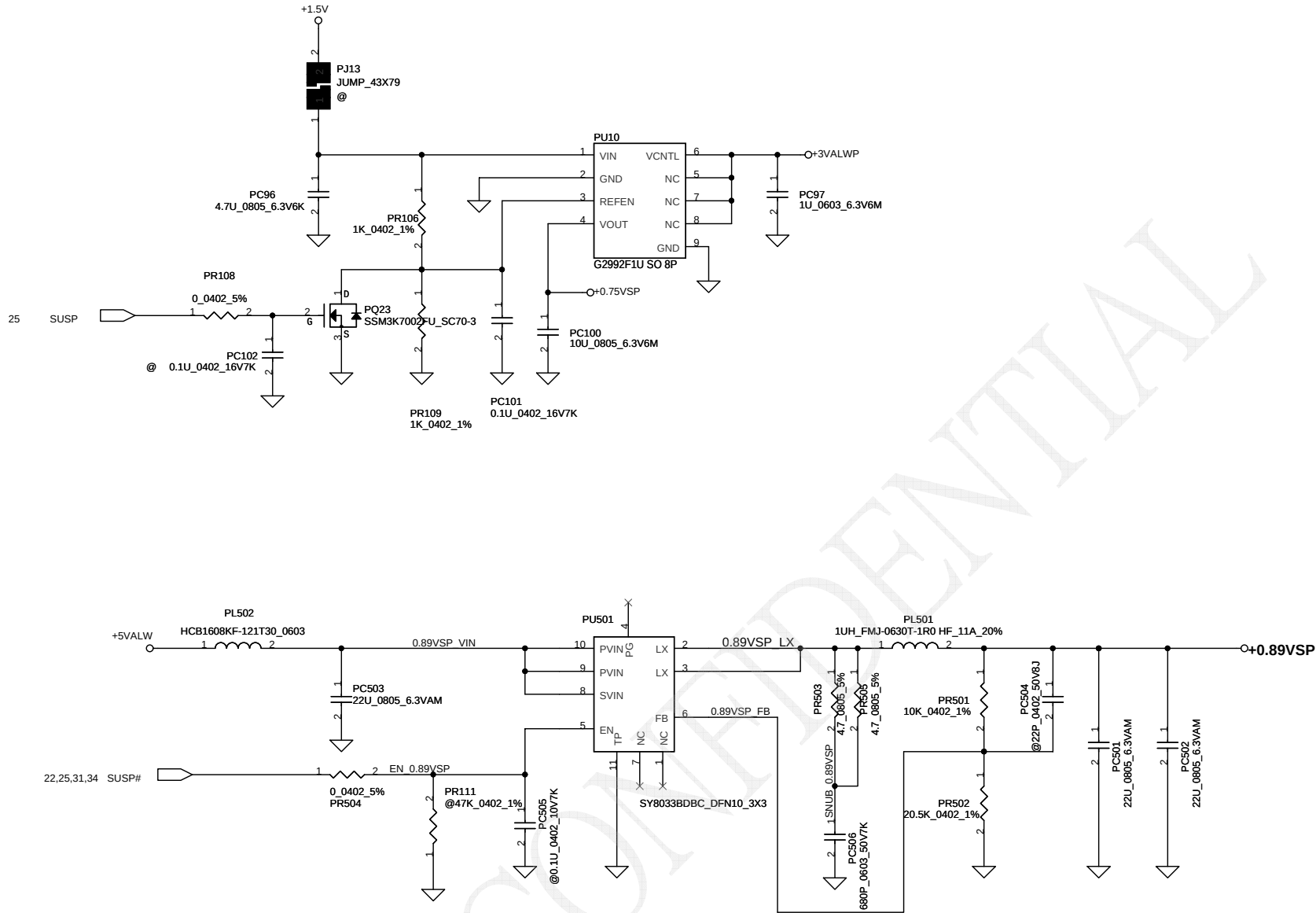
30W, Iadapter=0~1.57A, Current sense=0.015ohm, CP=1.328A







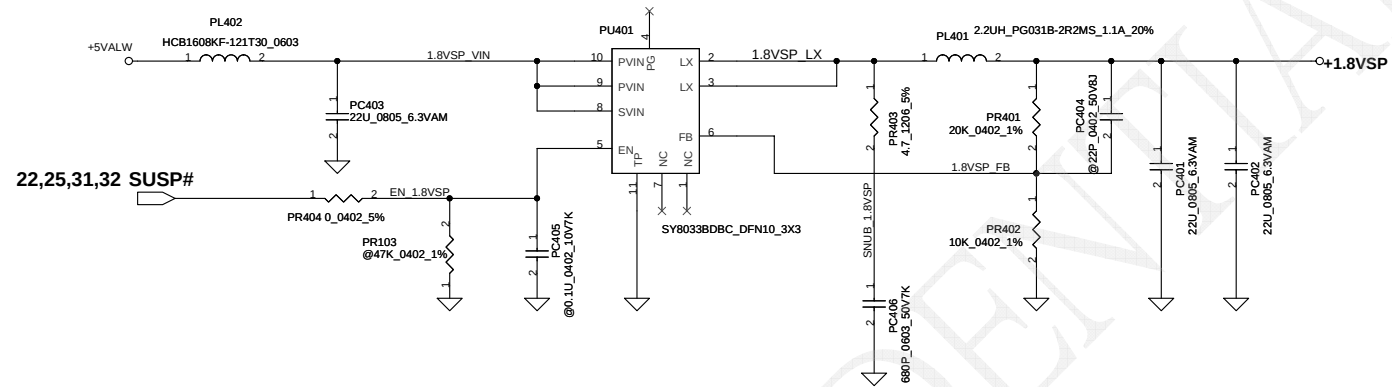
| Security Classification                                                                                                                                                                                                                                                                                                                                                                                                                                       |            |                 | Compal Secret Data |       |                 | Compal Electronics, Inc. |       |          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------------|--------------------|-------|-----------------|--------------------------|-------|----------|
| Issued Date                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2010/02/02 | Deciphered Date | 2011/02/02         | Title | Document Number | 401898                   | Rev   | B        |
| THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BY OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC. |            |                 |                    |       |                 | Friday, June 04, 2010    | Sheet | 31 of 36 |



|                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            |                    |            |                          |                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------------------|------------|--------------------------|-----------------------|
| Security Classification                                                                                                                                                                                                                                                                                                                                                                                                                                       |            | Compal Secret Data |            | Compal Electronics, Inc. |                       |
| Issued Date                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2010/02/02 | Deciphered Date    | 2011/02/02 | Title                    | SCHEMATIC MB A5662    |
| THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BY OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC. |            |                    |            | Document Number          | 401898                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            |                    |            | Date:                    | Friday, June 04, 2010 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            |                    |            | Sheet                    | 32 of 36              |







$\langle V_o = 1.8V \rangle \quad V_{FB} = 0.6V$   
 $V_o = V_{FB} * (1 + PR401 / PR402) = 0.6 * (1 + 40.2K / 20K) = 1.806V$   
 $I_{peak} = 2.64A, \quad I_{max} = 1.848A$

|                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            |                    |            |                          |     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------------------|------------|--------------------------|-----|
| Security Classification                                                                                                                                                                                                                                                                                                                                                                                                                                       |            | Compal Secret Data |            | Compal Electronics, Inc. |     |
| Issued Date                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2010/02/02 | Deciphered Date    | 2011/02/02 | Title                    |     |
| THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BY OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC. |            |                    |            | Document Number          | Rev |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            |                    |            | 401898                   | B   |
| Date: Friday, June 04, 2010                                                                                                                                                                                                                                                                                                                                                                                                                                   |            |                    |            | Sheet 34 of 35           |     |

| Page | Reason for change                     | Modify list                                                                   |
|------|---------------------------------------|-------------------------------------------------------------------------------|
| 28   | DFX issue                             | PQ39 from SB000006800 to SB000009610                                          |
| 29   | DFX issue                             | PQ29、PQ40、PQ44 from SB000006800 to SB000009610                                |
| 32   | DFX issue                             | PQ23 from SB000006800 to SB000009610                                          |
| 28   | let PH1 and PH4 use the same material | PH1 from SL200000V00 to SL200000U00                                           |
| 29   | Improve switching ability             | PQ13 from A0N7408 to A0N7406                                                  |
| 32   | SY8033 design change                  | PL501 from 2R2 to 1R0<br>PR501 from 121k to 12.1k<br>PR502 from 249k to 24.9k |
| 34   | SY8033 design change                  | PR401 from 40.2k to 20k, PR402 from 20k to 10k                                |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |            |                    |            |                          |                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------------------|------------|--------------------------|--------------------|
| Security Classification                                                                                                                                                                                                                                                                                                                                                                                                                                                 |            | Compal Secret Data |            | Compal Electronics, Inc. |                    |
| Issued Date                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2010/02/02 | Deciphered Date    | 2011/02/02 | Title                    | SCHEMATIC MB A5662 |
| THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF RESEARCH AND DEVELOPMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BY OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC. |            |                    |            | Part Number<br>401898    | Rev<br>B           |
| Date: Friday, June 04, 2010                                                                                                                                                                                                                                                                                                                                                                                                                                             |            |                    |            | Sheet                    | 35 of 36           |

PIR (Product Improve Record)

SCHEMATIC CHANGE LIST  
REVISION CHANGE: 0.1--> 0.2

| NO | DATE | PAGE | MODIFICATION LIST                                                                                                                | PURPOSE            |
|----|------|------|----------------------------------------------------------------------------------------------------------------------------------|--------------------|
| 1  | 3/29 | P.23 | Mount C136,C149,C160,C159,C146,C168,C135,C155,C171,C133,C148,C170<br>C132,C147,C158,C169,C131,C157,C145,C166,C144,C134,C167,C156 | For EMI request.   |
| 2  | 3/29 | P.5  | Remove R906,Q901,R905,C913,R907,C914<br>Mount R903                                                                               | For EMI request.   |
| 3  | 5/7  | P.25 | change C291 from 0.01u to 0.022u                                                                                                 | For design change. |

PINEVIEW-M

U71  
PINEVIEW-M\_FCBGA8559  
N475R1@

PINEVIEW-M

U71  
PINEVIEW-M\_FCBGA8559  
N455R3@

PINEVIEW-M

U71  
PINEVIEW-M\_FCBGA8559  
N475R3@

TGP

U72  
TIGERPOINT\_ES1\_BGA360  
R3@

CONFIDENTIAL