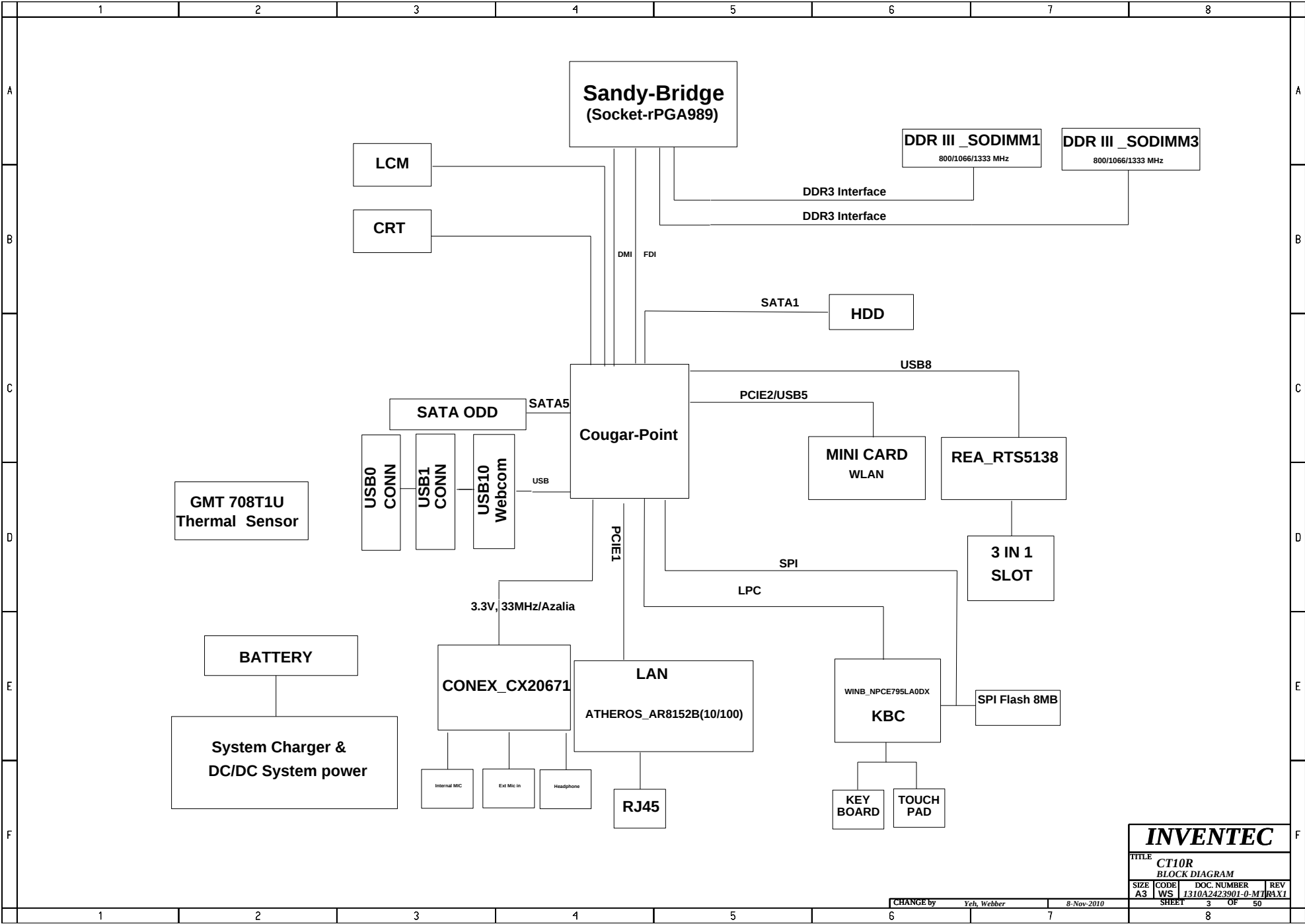


|                                       |                                                                                                                                                                                                                                                                                                                                  |                    |       |      |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |            |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |    |      |       |      |        |  |  |  |  |        |  |  |  |  |       |  |  |  |  |             |  |  |  |  |           |  |           |  |  |                                       |  |  |  |  |     |              |  |  |  |                                                                                                                                                                                                                                                                                                     |  |  |       |  |  |  |             |  |  |  |      |      |             |     |    |    |                    |     |       |  |         |  |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------|------|---|---|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|------|------------|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|----|------|-------|------|--------|--|--|--|--|--------|--|--|--|--|-------|--|--|--|--|-------------|--|--|--|--|-----------|--|-----------|--|--|---------------------------------------|--|--|--|--|-----|--------------|--|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|-------|--|--|--|-------------|--|--|--|------|------|-------------|-----|----|----|--------------------|-----|-------|--|---------|--|
|                                       | 1                                                                                                                                                                                                                                                                                                                                | 2                  | 3     | 4    | 5 | 6 | 7 | 8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |            |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |    |      |       |      |        |  |  |  |  |        |  |  |  |  |       |  |  |  |  |             |  |  |  |  |           |  |           |  |  |                                       |  |  |  |  |     |              |  |  |  |                                                                                                                                                                                                                                                                                                     |  |  |       |  |  |  |             |  |  |  |      |      |             |     |    |    |                    |     |       |  |         |  |
| A                                     | THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF INVENTEC CORPORATION AND SHALL NOT BE REPRODUCED, COPIED, OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION, INVENTEC CORPORATION 2009 ALL RIGHT RESERVED                                                    |                    |       |      |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |            |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |    |      |       |      |        |  |  |  |  |        |  |  |  |  |       |  |  |  |  |             |  |  |  |  |           |  |           |  |  |                                       |  |  |  |  |     |              |  |  |  |                                                                                                                                                                                                                                                                                                     |  |  |       |  |  |  |             |  |  |  |      |      |             |     |    |    |                    |     |       |  |         |  |
|                                       | HSF Property : <b>RoHS</b>                                                                                                                                                                                                                                                                                                       |                    |       |      |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |            |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |    |      |       |      |        |  |  |  |  |        |  |  |  |  |       |  |  |  |  |             |  |  |  |  |           |  |           |  |  |                                       |  |  |  |  |     |              |  |  |  |                                                                                                                                                                                                                                                                                                     |  |  |       |  |  |  |             |  |  |  |      |      |             |     |    |    |                    |     |       |  |         |  |
| B                                     |                                                                                                                                                                                                                                                                                                                                  |                    |       |      |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |            |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |    |      |       |      |        |  |  |  |  |        |  |  |  |  |       |  |  |  |  |             |  |  |  |  |           |  |           |  |  |                                       |  |  |  |  |     |              |  |  |  |                                                                                                                                                                                                                                                                                                     |  |  |       |  |  |  |             |  |  |  |      |      |             |     |    |    |                    |     |       |  |         |  |
| C                                     |                                                                                                                                                                                                                                                                                                                                  |                    |       |      |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |            |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |    |      |       |      |        |  |  |  |  |        |  |  |  |  |       |  |  |  |  |             |  |  |  |  |           |  |           |  |  |                                       |  |  |  |  |     |              |  |  |  |                                                                                                                                                                                                                                                                                                     |  |  |       |  |  |  |             |  |  |  |      |      |             |     |    |    |                    |     |       |  |         |  |
| D                                     |                                                                                                                                                                                                                                                                                                                                  |                    |       |      |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |            |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |    |      |       |      |        |  |  |  |  |        |  |  |  |  |       |  |  |  |  |             |  |  |  |  |           |  |           |  |  |                                       |  |  |  |  |     |              |  |  |  |                                                                                                                                                                                                                                                                                                     |  |  |       |  |  |  |             |  |  |  |      |      |             |     |    |    |                    |     |       |  |         |  |
| E                                     |                                                                                                                                                                                                                                                                                                                                  |                    |       |      |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |            |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |    |      |       |      |        |  |  |  |  |        |  |  |  |  |       |  |  |  |  |             |  |  |  |  |           |  |           |  |  |                                       |  |  |  |  |     |              |  |  |  |                                                                                                                                                                                                                                                                                                     |  |  |       |  |  |  |             |  |  |  |      |      |             |     |    |    |                    |     |       |  |         |  |
| F                                     | <table><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td>DATE</td><td>CHANGE NO.</td><td>REV</td></tr></table> |                    |       |      |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | DATE | CHANGE NO. | REV | <table><tr><td></td><td>EE</td><td>DATE</td><td>POWER</td><td>DATE</td></tr><tr><td>DRAWER</td><td></td><td></td><td></td><td></td></tr><tr><td>DESIGN</td><td></td><td></td><td></td><td></td></tr><tr><td>CHECK</td><td></td><td></td><td></td><td></td></tr><tr><td>RESPONSIBLE</td><td></td><td></td><td></td><td></td></tr><tr><td colspan="2">SIZE = A3</td><td colspan="3">VER : A01</td></tr><tr><td colspan="5">FILE NAME : CT10R-6050A6423901-MB-A01</td></tr><tr><td>P/N</td><td colspan="4">6050A6423901</td></tr></table> |  |  |  |  |  | EE | DATE | POWER | DATE | DRAWER |  |  |  |  | DESIGN |  |  |  |  | CHECK |  |  |  |  | RESPONSIBLE |  |  |  |  | SIZE = A3 |  | VER : A01 |  |  | FILE NAME : CT10R-6050A6423901-MB-A01 |  |  |  |  | P/N | 6050A6423901 |  |  |  | <table><tr><td colspan="4">TITLE</td></tr><tr><td colspan="4">CT10R COVER</td></tr><tr><td>SIZE</td><td>CODE</td><td>DOC. NUMBER</td><td>REV</td></tr><tr><td>A3</td><td>WS</td><td>I310A2423901-0-MTR</td><td>AX1</td></tr><tr><td colspan="2">SHEET</td><td colspan="2">1 OF 50</td></tr></table> |  |  | TITLE |  |  |  | CT10R COVER |  |  |  | SIZE | CODE | DOC. NUMBER | REV | A3 | WS | I310A2423901-0-MTR | AX1 | SHEET |  | 1 OF 50 |  |
|                                       |                                                                                                                                                                                                                                                                                                                                  |                    |       |      |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |            |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |    |      |       |      |        |  |  |  |  |        |  |  |  |  |       |  |  |  |  |             |  |  |  |  |           |  |           |  |  |                                       |  |  |  |  |     |              |  |  |  |                                                                                                                                                                                                                                                                                                     |  |  |       |  |  |  |             |  |  |  |      |      |             |     |    |    |                    |     |       |  |         |  |
|                                       |                                                                                                                                                                                                                                                                                                                                  |                    |       |      |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |            |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |    |      |       |      |        |  |  |  |  |        |  |  |  |  |       |  |  |  |  |             |  |  |  |  |           |  |           |  |  |                                       |  |  |  |  |     |              |  |  |  |                                                                                                                                                                                                                                                                                                     |  |  |       |  |  |  |             |  |  |  |      |      |             |     |    |    |                    |     |       |  |         |  |
|                                       |                                                                                                                                                                                                                                                                                                                                  |                    |       |      |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |            |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |    |      |       |      |        |  |  |  |  |        |  |  |  |  |       |  |  |  |  |             |  |  |  |  |           |  |           |  |  |                                       |  |  |  |  |     |              |  |  |  |                                                                                                                                                                                                                                                                                                     |  |  |       |  |  |  |             |  |  |  |      |      |             |     |    |    |                    |     |       |  |         |  |
|                                       |                                                                                                                                                                                                                                                                                                                                  |                    |       |      |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |            |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |    |      |       |      |        |  |  |  |  |        |  |  |  |  |       |  |  |  |  |             |  |  |  |  |           |  |           |  |  |                                       |  |  |  |  |     |              |  |  |  |                                                                                                                                                                                                                                                                                                     |  |  |       |  |  |  |             |  |  |  |      |      |             |     |    |    |                    |     |       |  |         |  |
|                                       |                                                                                                                                                                                                                                                                                                                                  |                    |       |      |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |            |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |    |      |       |      |        |  |  |  |  |        |  |  |  |  |       |  |  |  |  |             |  |  |  |  |           |  |           |  |  |                                       |  |  |  |  |     |              |  |  |  |                                                                                                                                                                                                                                                                                                     |  |  |       |  |  |  |             |  |  |  |      |      |             |     |    |    |                    |     |       |  |         |  |
|                                       |                                                                                                                                                                                                                                                                                                                                  |                    |       |      |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |            |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |    |      |       |      |        |  |  |  |  |        |  |  |  |  |       |  |  |  |  |             |  |  |  |  |           |  |           |  |  |                                       |  |  |  |  |     |              |  |  |  |                                                                                                                                                                                                                                                                                                     |  |  |       |  |  |  |             |  |  |  |      |      |             |     |    |    |                    |     |       |  |         |  |
|                                       |                                                                                                                                                                                                                                                                                                                                  |                    |       |      |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |            |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |    |      |       |      |        |  |  |  |  |        |  |  |  |  |       |  |  |  |  |             |  |  |  |  |           |  |           |  |  |                                       |  |  |  |  |     |              |  |  |  |                                                                                                                                                                                                                                                                                                     |  |  |       |  |  |  |             |  |  |  |      |      |             |     |    |    |                    |     |       |  |         |  |
| DATE                                  | CHANGE NO.                                                                                                                                                                                                                                                                                                                       | REV                |       |      |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |            |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |    |      |       |      |        |  |  |  |  |        |  |  |  |  |       |  |  |  |  |             |  |  |  |  |           |  |           |  |  |                                       |  |  |  |  |     |              |  |  |  |                                                                                                                                                                                                                                                                                                     |  |  |       |  |  |  |             |  |  |  |      |      |             |     |    |    |                    |     |       |  |         |  |
|                                       | EE                                                                                                                                                                                                                                                                                                                               | DATE               | POWER | DATE |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |            |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |    |      |       |      |        |  |  |  |  |        |  |  |  |  |       |  |  |  |  |             |  |  |  |  |           |  |           |  |  |                                       |  |  |  |  |     |              |  |  |  |                                                                                                                                                                                                                                                                                                     |  |  |       |  |  |  |             |  |  |  |      |      |             |     |    |    |                    |     |       |  |         |  |
| DRAWER                                |                                                                                                                                                                                                                                                                                                                                  |                    |       |      |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |            |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |    |      |       |      |        |  |  |  |  |        |  |  |  |  |       |  |  |  |  |             |  |  |  |  |           |  |           |  |  |                                       |  |  |  |  |     |              |  |  |  |                                                                                                                                                                                                                                                                                                     |  |  |       |  |  |  |             |  |  |  |      |      |             |     |    |    |                    |     |       |  |         |  |
| DESIGN                                |                                                                                                                                                                                                                                                                                                                                  |                    |       |      |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |            |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |    |      |       |      |        |  |  |  |  |        |  |  |  |  |       |  |  |  |  |             |  |  |  |  |           |  |           |  |  |                                       |  |  |  |  |     |              |  |  |  |                                                                                                                                                                                                                                                                                                     |  |  |       |  |  |  |             |  |  |  |      |      |             |     |    |    |                    |     |       |  |         |  |
| CHECK                                 |                                                                                                                                                                                                                                                                                                                                  |                    |       |      |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |            |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |    |      |       |      |        |  |  |  |  |        |  |  |  |  |       |  |  |  |  |             |  |  |  |  |           |  |           |  |  |                                       |  |  |  |  |     |              |  |  |  |                                                                                                                                                                                                                                                                                                     |  |  |       |  |  |  |             |  |  |  |      |      |             |     |    |    |                    |     |       |  |         |  |
| RESPONSIBLE                           |                                                                                                                                                                                                                                                                                                                                  |                    |       |      |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |            |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |    |      |       |      |        |  |  |  |  |        |  |  |  |  |       |  |  |  |  |             |  |  |  |  |           |  |           |  |  |                                       |  |  |  |  |     |              |  |  |  |                                                                                                                                                                                                                                                                                                     |  |  |       |  |  |  |             |  |  |  |      |      |             |     |    |    |                    |     |       |  |         |  |
| SIZE = A3                             |                                                                                                                                                                                                                                                                                                                                  | VER : A01          |       |      |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |            |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |    |      |       |      |        |  |  |  |  |        |  |  |  |  |       |  |  |  |  |             |  |  |  |  |           |  |           |  |  |                                       |  |  |  |  |     |              |  |  |  |                                                                                                                                                                                                                                                                                                     |  |  |       |  |  |  |             |  |  |  |      |      |             |     |    |    |                    |     |       |  |         |  |
| FILE NAME : CT10R-6050A6423901-MB-A01 |                                                                                                                                                                                                                                                                                                                                  |                    |       |      |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |            |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |    |      |       |      |        |  |  |  |  |        |  |  |  |  |       |  |  |  |  |             |  |  |  |  |           |  |           |  |  |                                       |  |  |  |  |     |              |  |  |  |                                                                                                                                                                                                                                                                                                     |  |  |       |  |  |  |             |  |  |  |      |      |             |     |    |    |                    |     |       |  |         |  |
| P/N                                   | 6050A6423901                                                                                                                                                                                                                                                                                                                     |                    |       |      |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |            |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |    |      |       |      |        |  |  |  |  |        |  |  |  |  |       |  |  |  |  |             |  |  |  |  |           |  |           |  |  |                                       |  |  |  |  |     |              |  |  |  |                                                                                                                                                                                                                                                                                                     |  |  |       |  |  |  |             |  |  |  |      |      |             |     |    |    |                    |     |       |  |         |  |
| TITLE                                 |                                                                                                                                                                                                                                                                                                                                  |                    |       |      |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |            |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |    |      |       |      |        |  |  |  |  |        |  |  |  |  |       |  |  |  |  |             |  |  |  |  |           |  |           |  |  |                                       |  |  |  |  |     |              |  |  |  |                                                                                                                                                                                                                                                                                                     |  |  |       |  |  |  |             |  |  |  |      |      |             |     |    |    |                    |     |       |  |         |  |
| CT10R COVER                           |                                                                                                                                                                                                                                                                                                                                  |                    |       |      |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |            |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |    |      |       |      |        |  |  |  |  |        |  |  |  |  |       |  |  |  |  |             |  |  |  |  |           |  |           |  |  |                                       |  |  |  |  |     |              |  |  |  |                                                                                                                                                                                                                                                                                                     |  |  |       |  |  |  |             |  |  |  |      |      |             |     |    |    |                    |     |       |  |         |  |
| SIZE                                  | CODE                                                                                                                                                                                                                                                                                                                             | DOC. NUMBER        | REV   |      |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |            |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |    |      |       |      |        |  |  |  |  |        |  |  |  |  |       |  |  |  |  |             |  |  |  |  |           |  |           |  |  |                                       |  |  |  |  |     |              |  |  |  |                                                                                                                                                                                                                                                                                                     |  |  |       |  |  |  |             |  |  |  |      |      |             |     |    |    |                    |     |       |  |         |  |
| A3                                    | WS                                                                                                                                                                                                                                                                                                                               | I310A2423901-0-MTR | AX1   |      |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |            |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |    |      |       |      |        |  |  |  |  |        |  |  |  |  |       |  |  |  |  |             |  |  |  |  |           |  |           |  |  |                                       |  |  |  |  |     |              |  |  |  |                                                                                                                                                                                                                                                                                                     |  |  |       |  |  |  |             |  |  |  |      |      |             |     |    |    |                    |     |       |  |         |  |
| SHEET                                 |                                                                                                                                                                                                                                                                                                                                  | 1 OF 50            |       |      |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |            |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |    |      |       |      |        |  |  |  |  |        |  |  |  |  |       |  |  |  |  |             |  |  |  |  |           |  |           |  |  |                                       |  |  |  |  |     |              |  |  |  |                                                                                                                                                                                                                                                                                                     |  |  |       |  |  |  |             |  |  |  |      |      |             |     |    |    |                    |     |       |  |         |  |
|                                       | 1                                                                                                                                                                                                                                                                                                                                | 2                  | 3     | 4    | 5 | 6 | 7 | 8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |            |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |    |      |       |      |        |  |  |  |  |        |  |  |  |  |       |  |  |  |  |             |  |  |  |  |           |  |           |  |  |                                       |  |  |  |  |     |              |  |  |  |                                                                                                                                                                                                                                                                                                     |  |  |       |  |  |  |             |  |  |  |      |      |             |     |    |    |                    |     |       |  |         |  |





**INVENTEC**

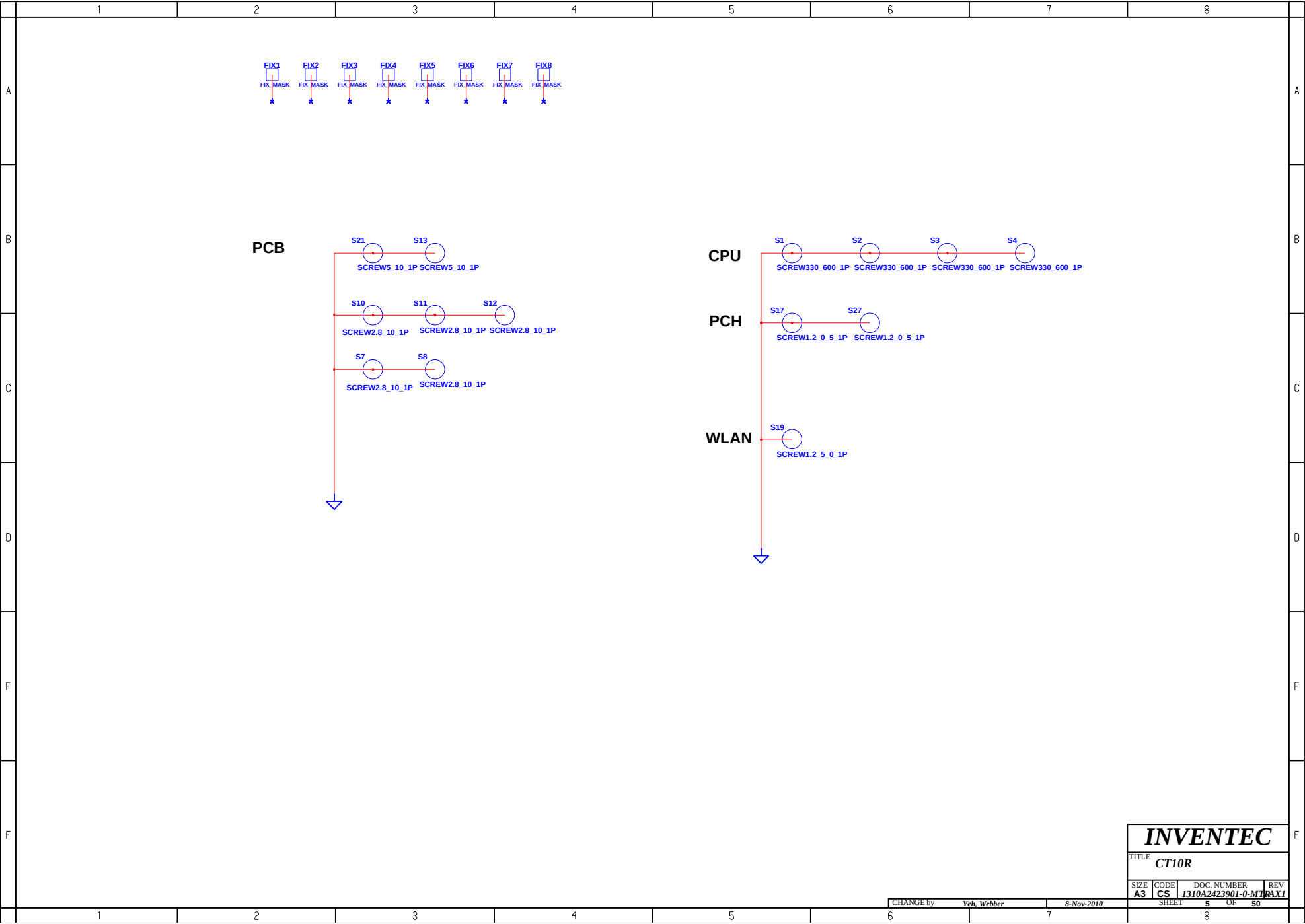
TITLE  
**CT10R**  
BLOCK DIAGRAM

| SIZE | CODE | DOC. NUMBER       | REV  |
|------|------|-------------------|------|
| A3   | WS   | 1310A2423901-0-MT | MAX1 |

CHANGE by Yeh, Webber 8-Nov-2010

SHEET 3 OF 50





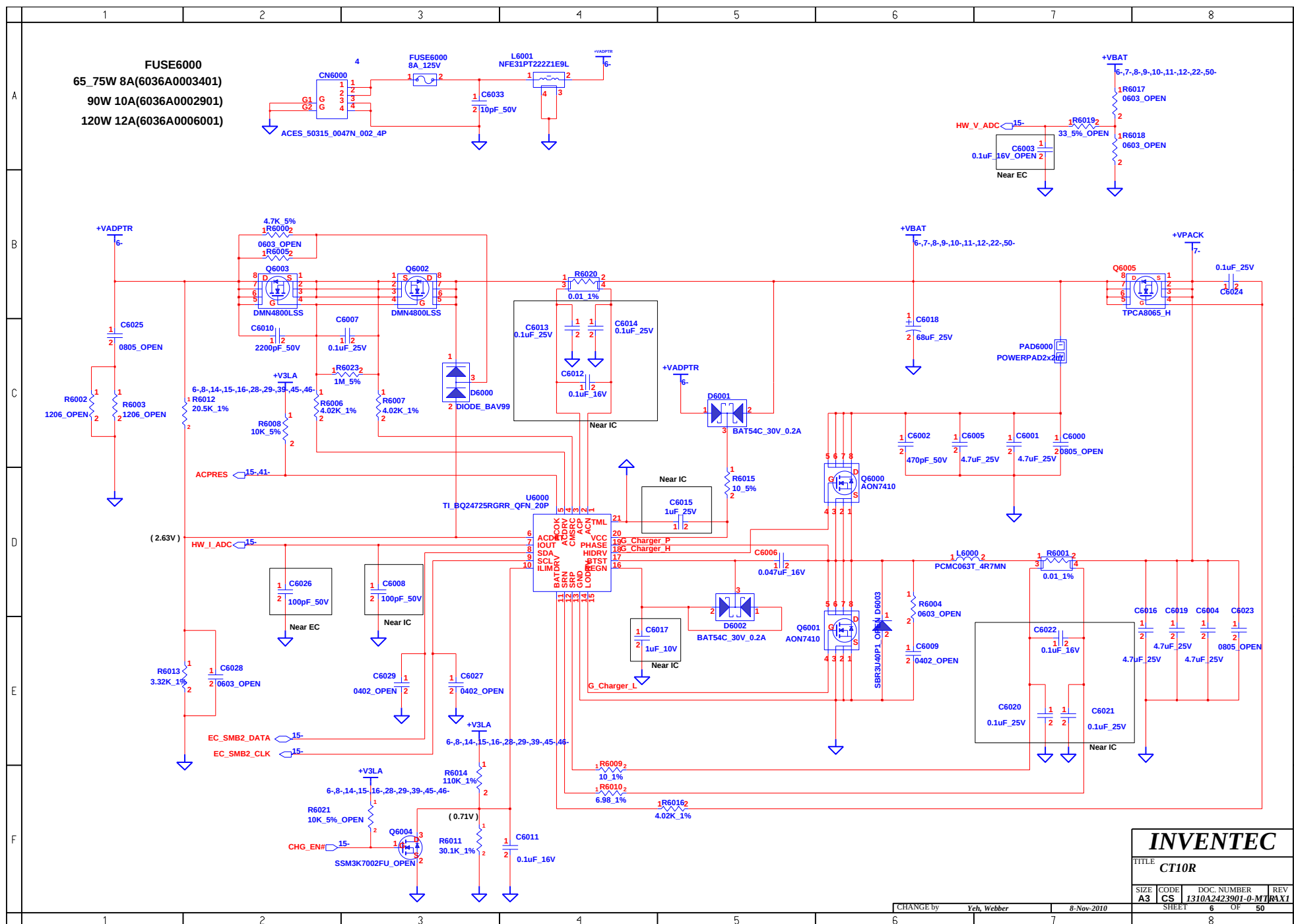
**INVENTEC**

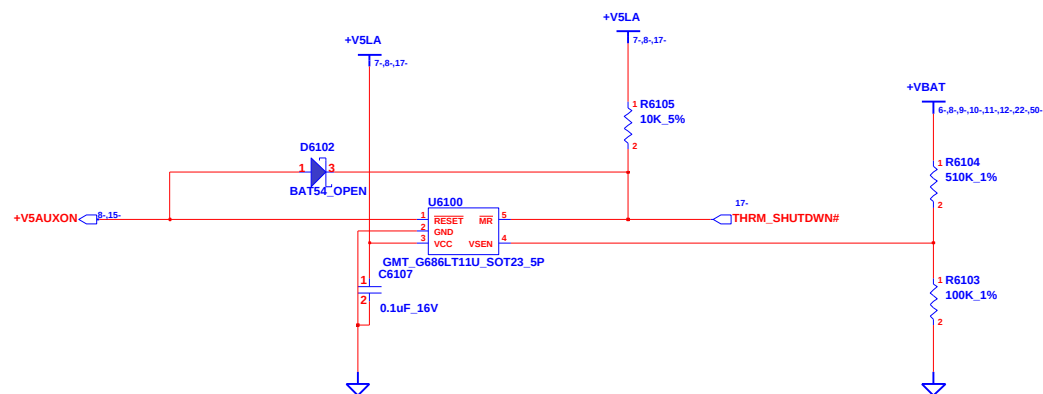
TITLE  
**CT10R**

| SIZE | CODE | DOC. NUMBER       | REV  |
|------|------|-------------------|------|
| A3   | CS   | 1310A2423901-0-MT | MAX1 |

CHANGE by Yeh, Webber 8-Nov-2010

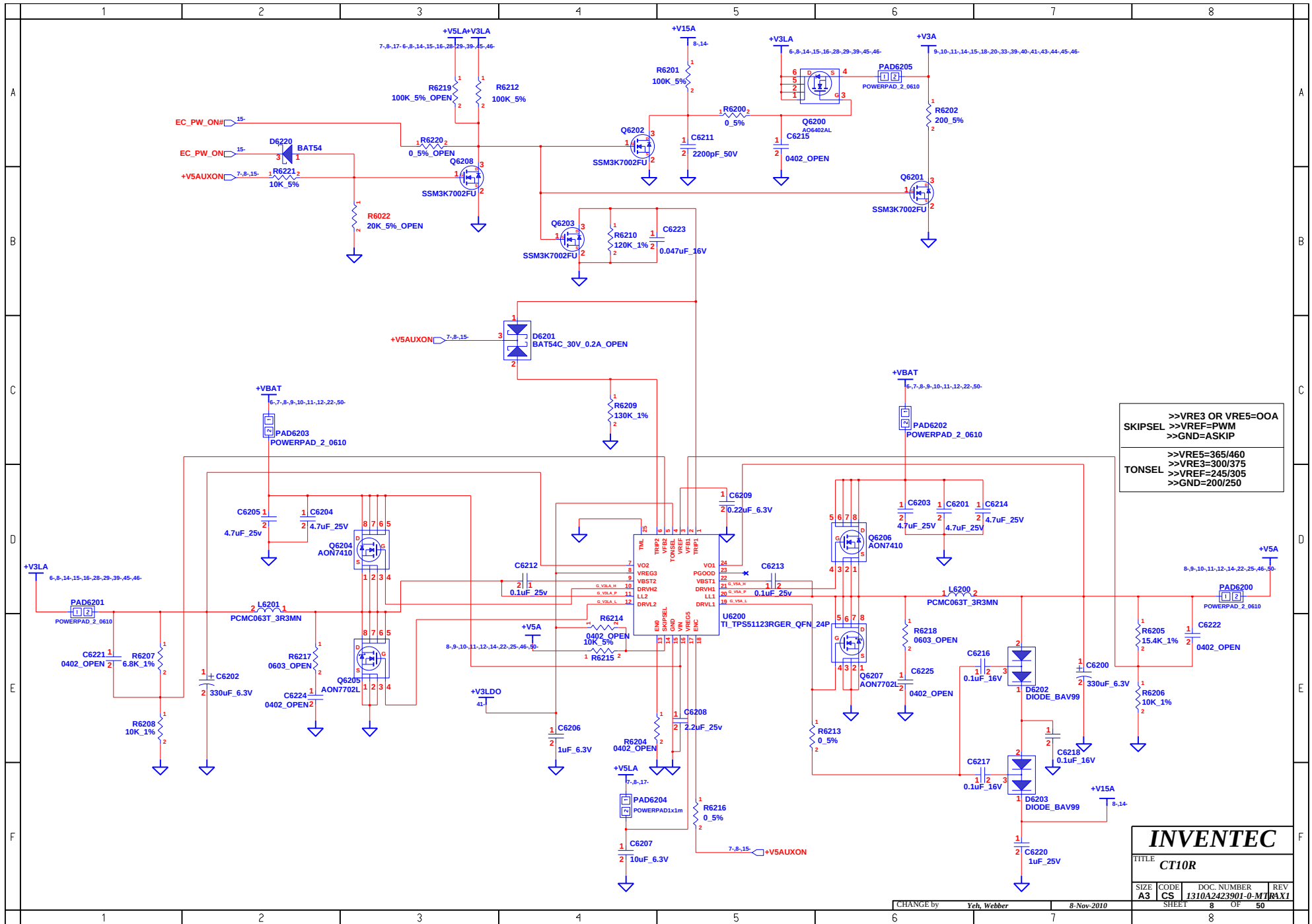
SHEET 5 OF 50

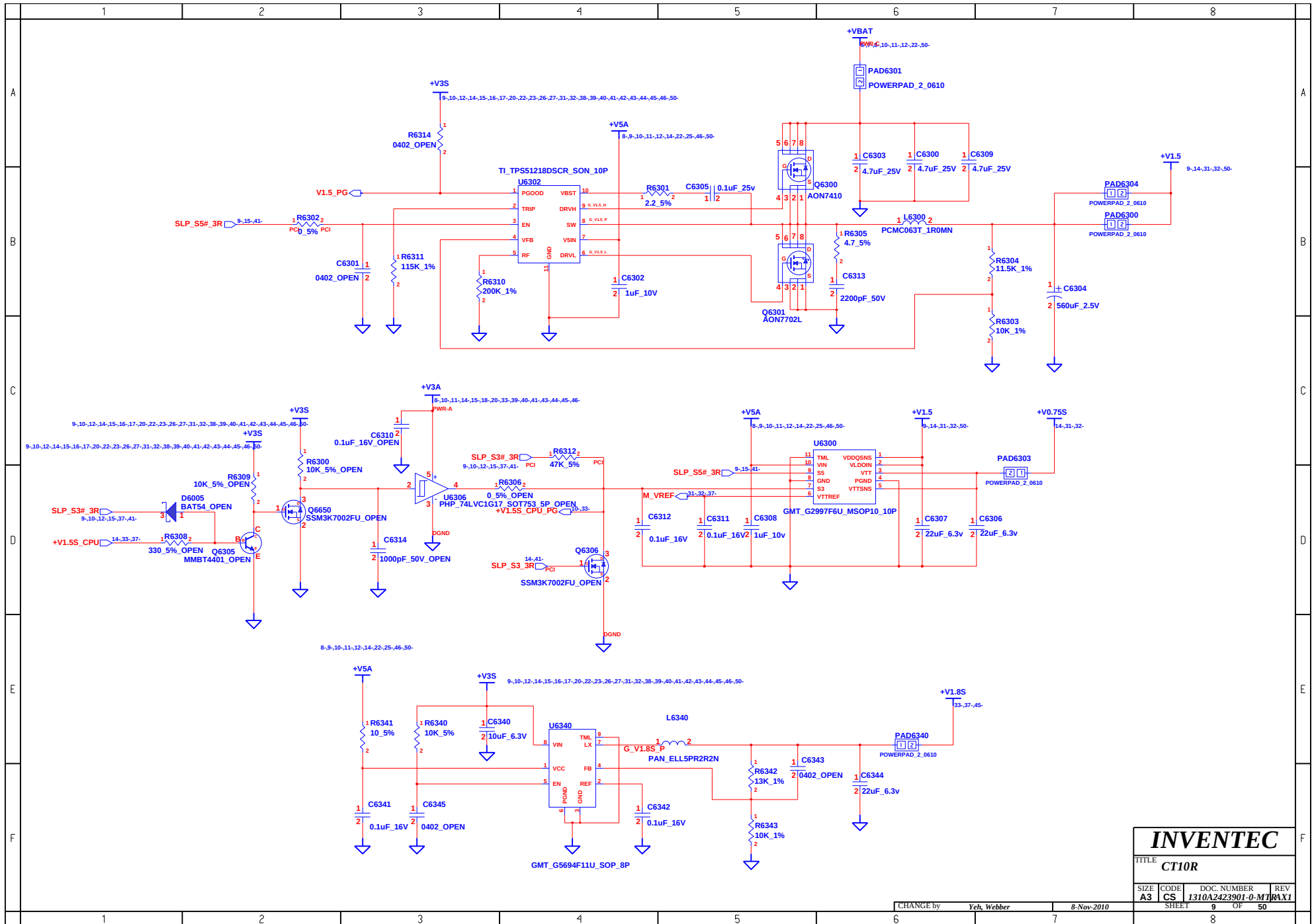




|              |           |                          |             |
|--------------|-----------|--------------------------|-------------|
| TITLE        |           |                          |             |
| <b>CT10R</b> |           |                          |             |
| SIZE         | CODE      | DOC. NUMBER              | REV         |
| <b>A3</b>    | <b>CS</b> | <b>1310A2423901-0-MT</b> | <b>RAX1</b> |
| SHEET        |           | 7                        | OF 50       |

|           |                    |                   |
|-----------|--------------------|-------------------|
| CHANGE by | <i>Yeh, Webber</i> | <i>8-Nov-2010</i> |
|-----------|--------------------|-------------------|

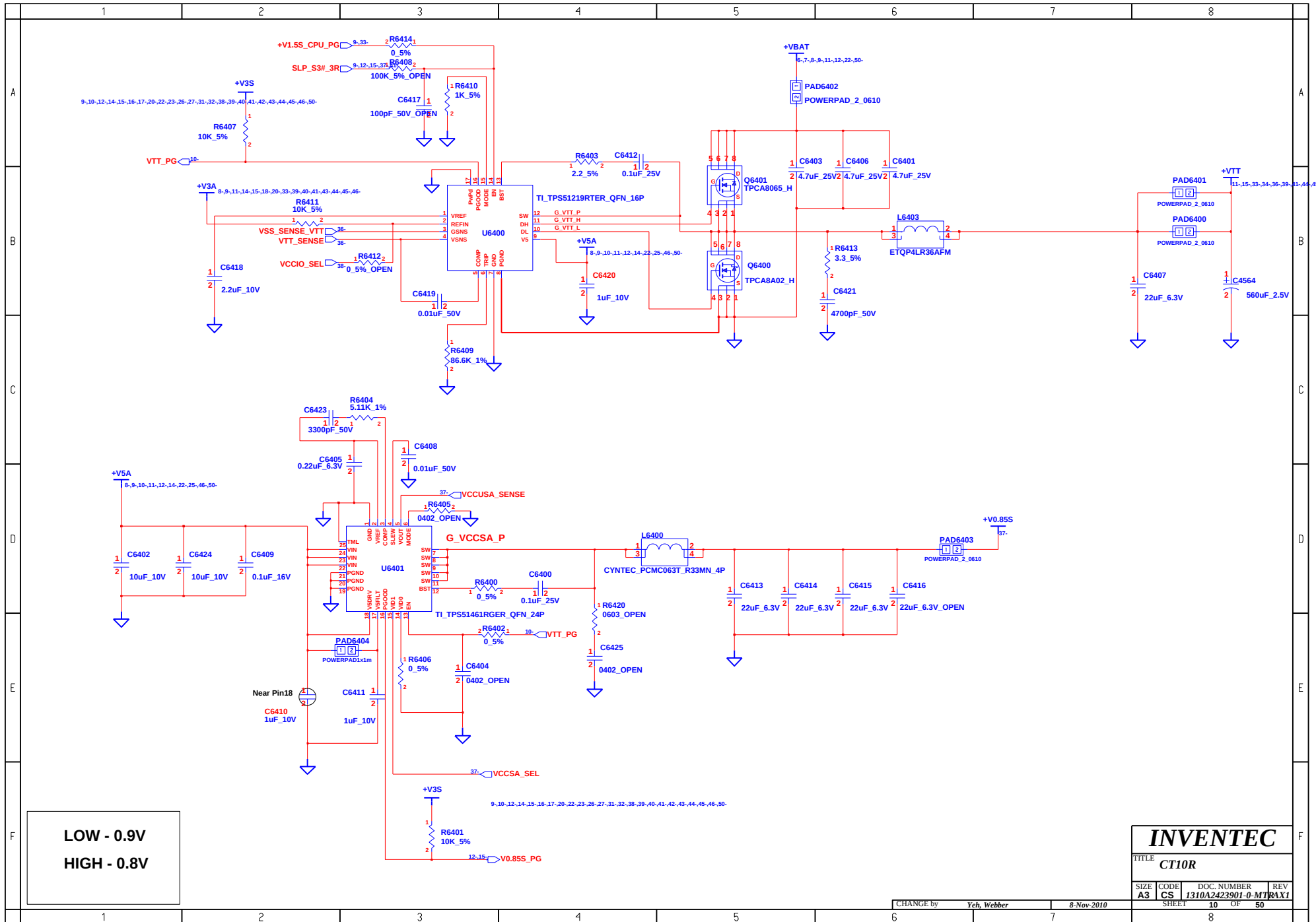


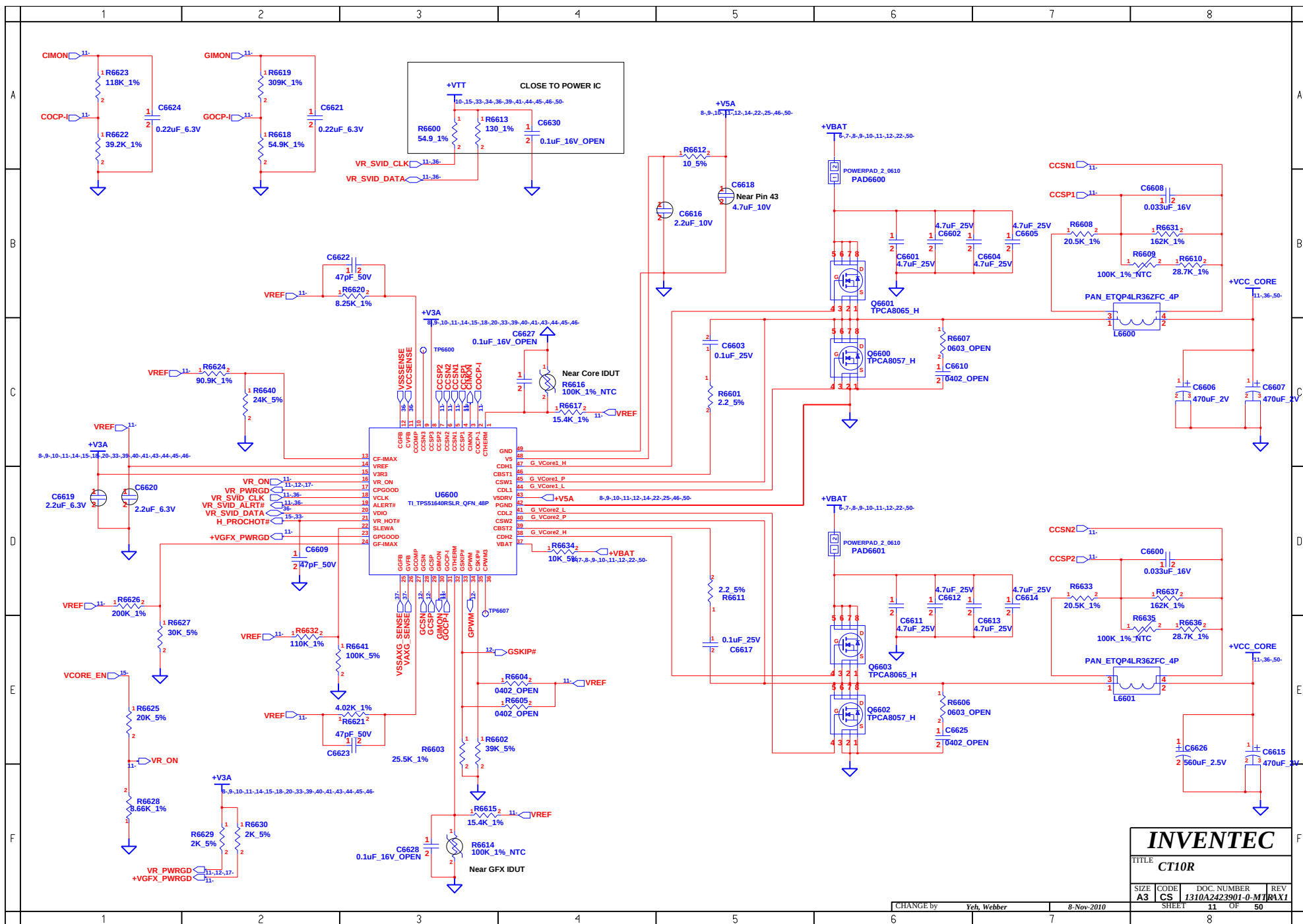


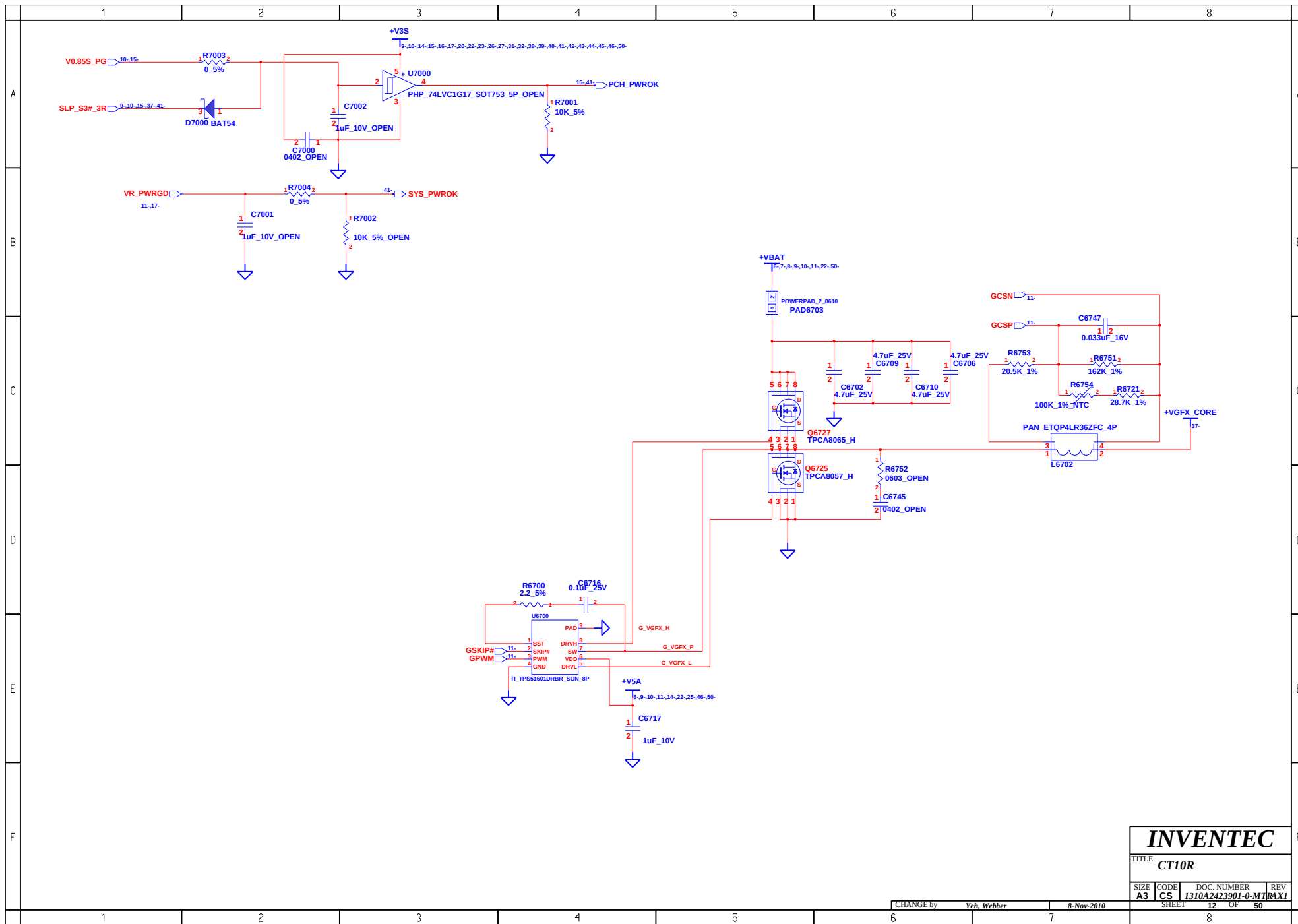
**INVENTEC**

|                |            |                                  |             |
|----------------|------------|----------------------------------|-------------|
| TITLE<br>CT10R |            |                                  |             |
| SIZE<br>A3     | CODE<br>CS | DOC. NUMBER<br>1310A2423901-0-MT | REV<br>MAX1 |
| SHEET<br>9     |            | OF<br>50                         |             |

CHANGE by Yeh, Webber 8-Nov-2010







**INVENTEC**

TITLE  
**CT10R**

| SIZE | CODE | DOC. NUMBER       | REV  |
|------|------|-------------------|------|
| A3   | CS   | 1310A2423901-0-MT | MAX1 |

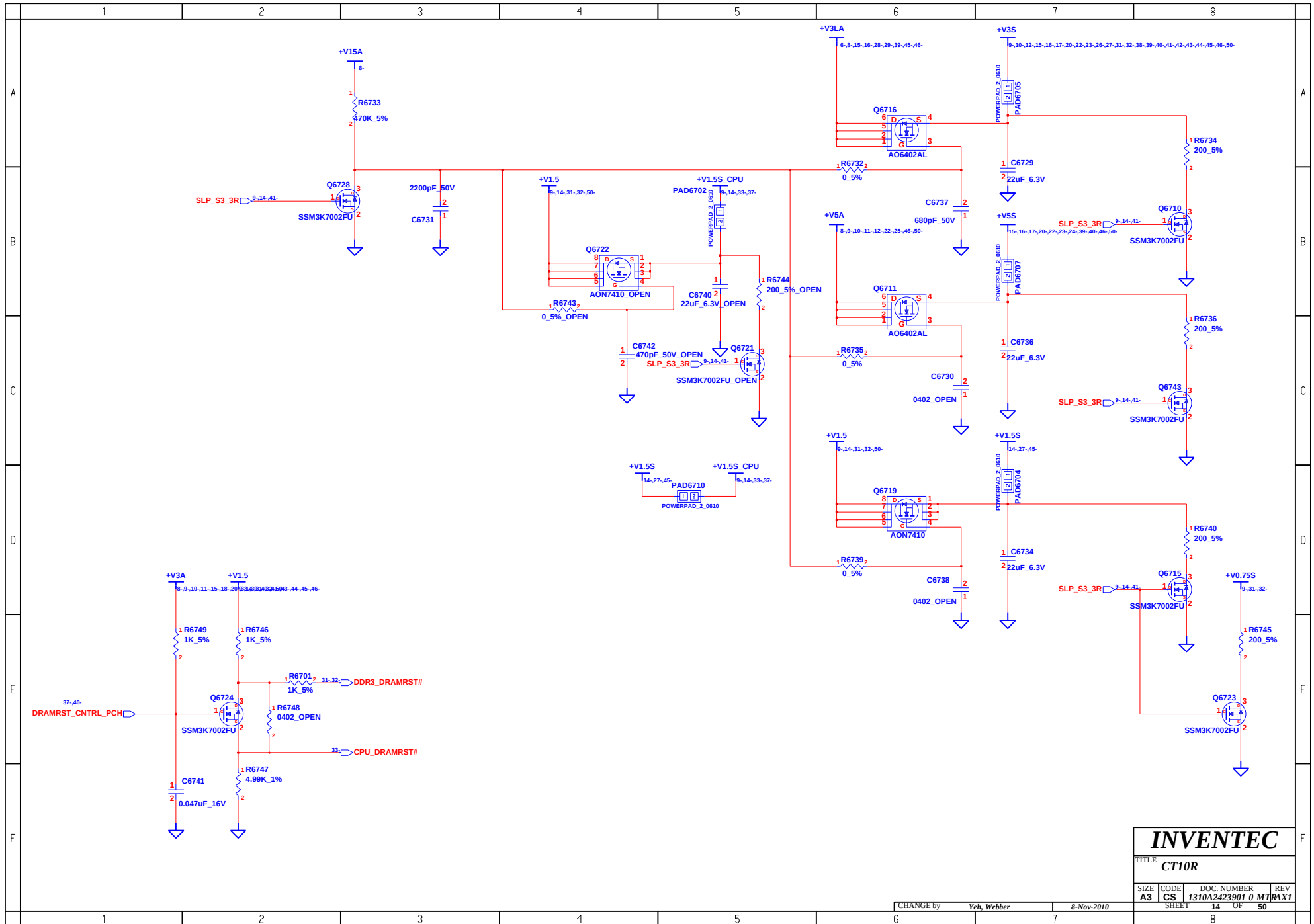
CHANGE by Yeh, Webber 8-Nov-2010

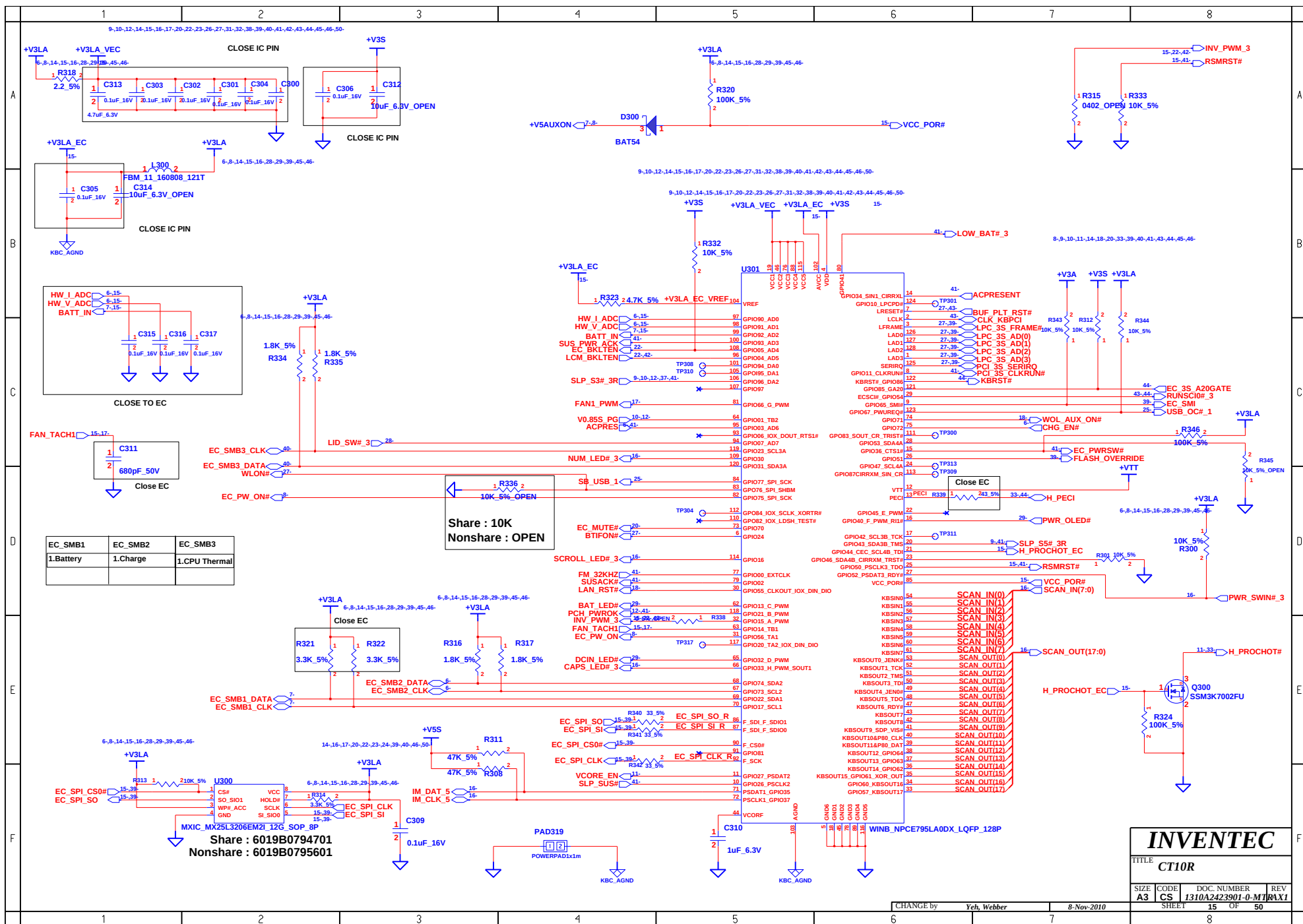
SHEET 12 OF 50

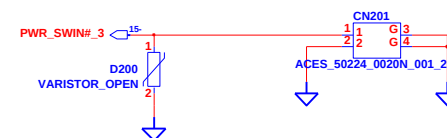
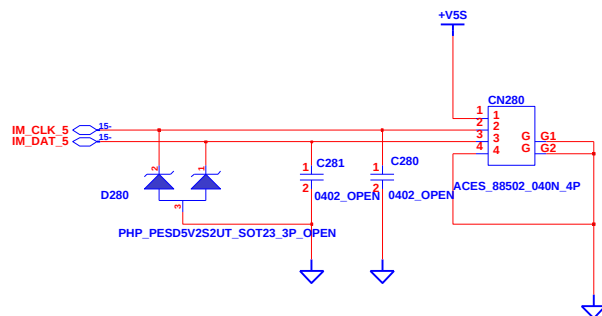
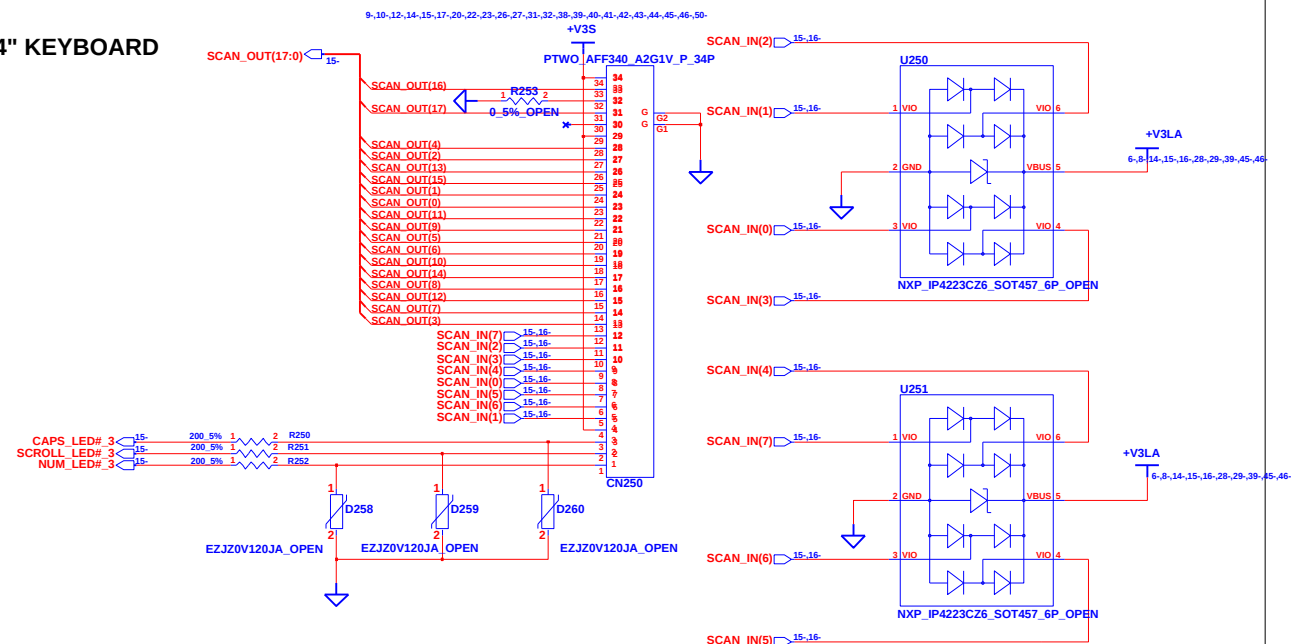
|   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|
|   | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |   |
| A |   |   |   |   |   |   |   |   | A |
| B |   |   |   |   |   |   |   |   | B |
| C |   |   |   |   |   |   |   |   | C |
| D |   |   |   |   |   |   |   |   | D |
| E |   |   |   |   |   |   |   |   | E |
| F |   |   |   |   |   |   |   |   | F |
|   | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |   |

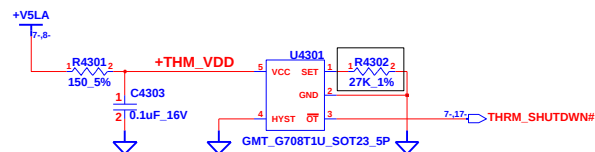
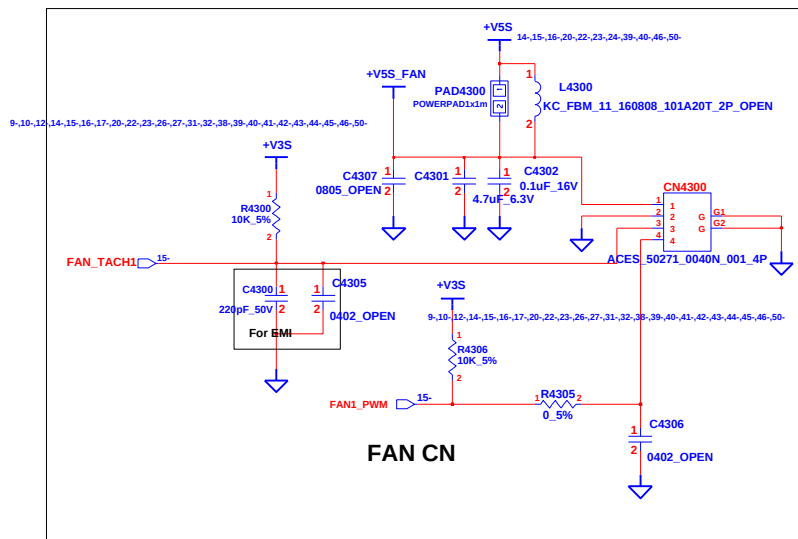


|                              |                   |                                         |                    |
|------------------------------|-------------------|-----------------------------------------|--------------------|
| <b>INVENTEC</b>              |                   |                                         |                    |
| TITLE <b>CT10R</b>           |                   |                                         |                    |
| SIZE<br><b>A3</b>            | CODE<br><b>CS</b> | DOC. NUMBER<br><b>1310A2423901-0-MT</b> | REV<br><b>MAX1</b> |
| CHANGE by <b>Yeh, Webber</b> |                   | <b>8-Nov-2010</b>                       |                    |
| SHEET <b>13</b>              |                   | OF <b>50</b>                            |                    |

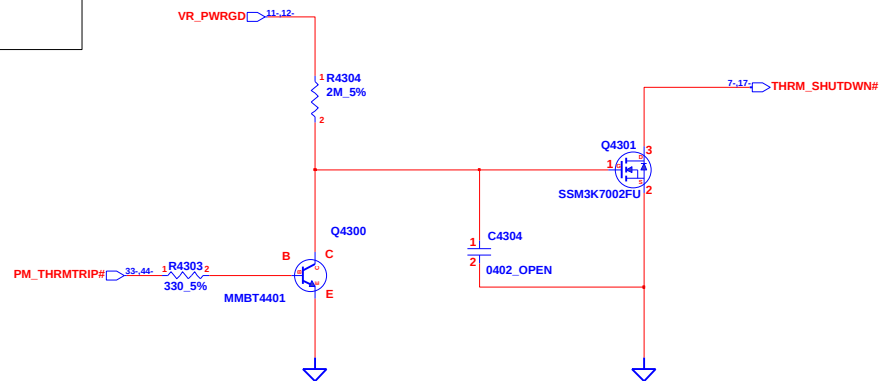






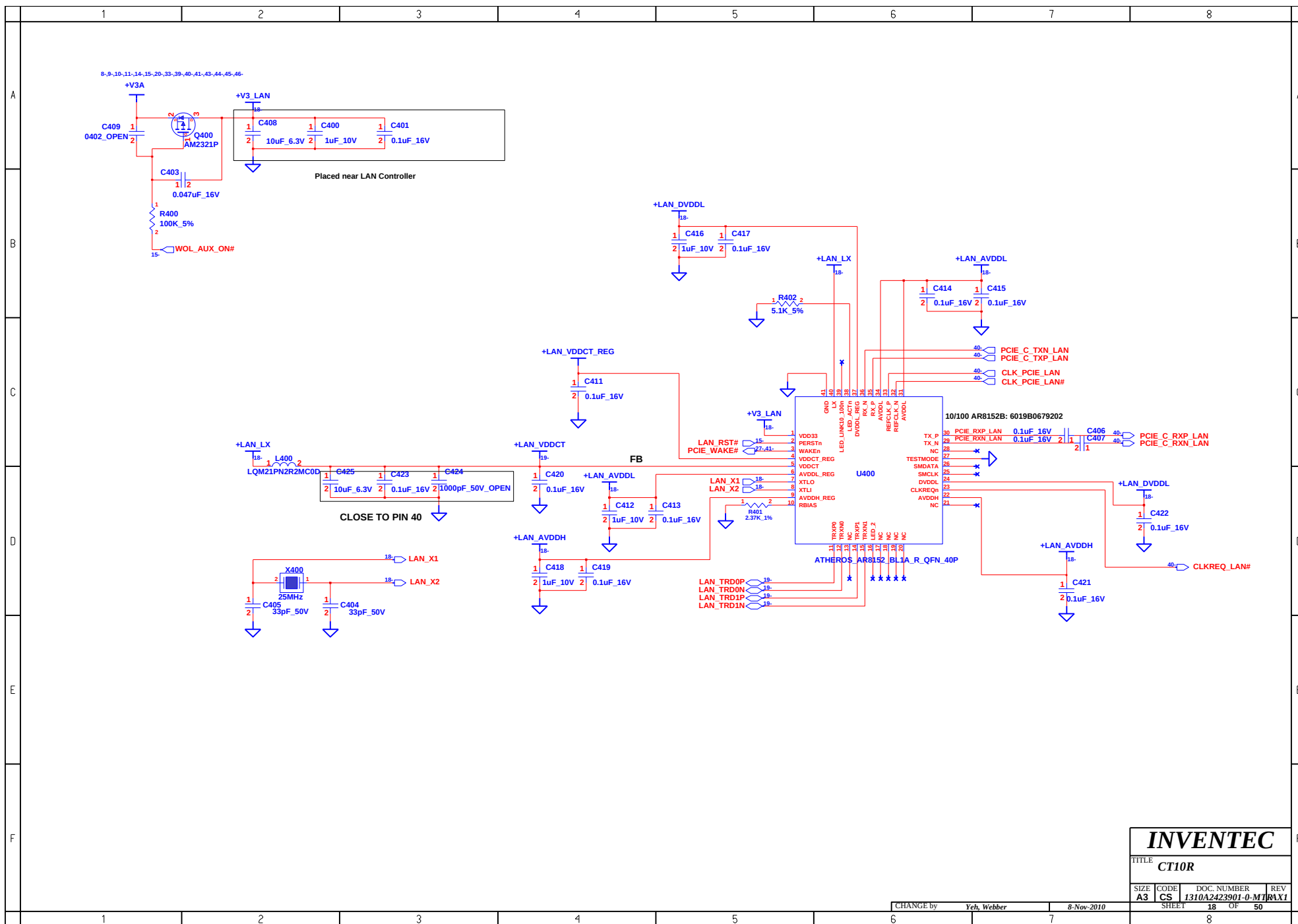


GM Thermal shutdown at 83.2°C +/-3°C from 60°C to 100°C  
 PM Thermal shutdown at 91.5°C +/-3°C from 60°C to 100°C  
 $RSET = 0.0012 * T^2 - 0.9308 * T + 96.147$   
 Hysteresis is 30C



| INVENTEC |      |                   |       |
|----------|------|-------------------|-------|
| TITLE    |      |                   |       |
| CT10R    |      |                   |       |
| SIZE     | CODE | DOC. NUMBER       | REV   |
| A3       | CS   | 1310A2423901-0-MT | MAX1  |
| SHEET    |      | 17                | OF 50 |

CHANGE by Yeh, Webber 8-Nov-2010



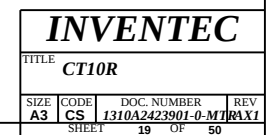
**INVENTEC**

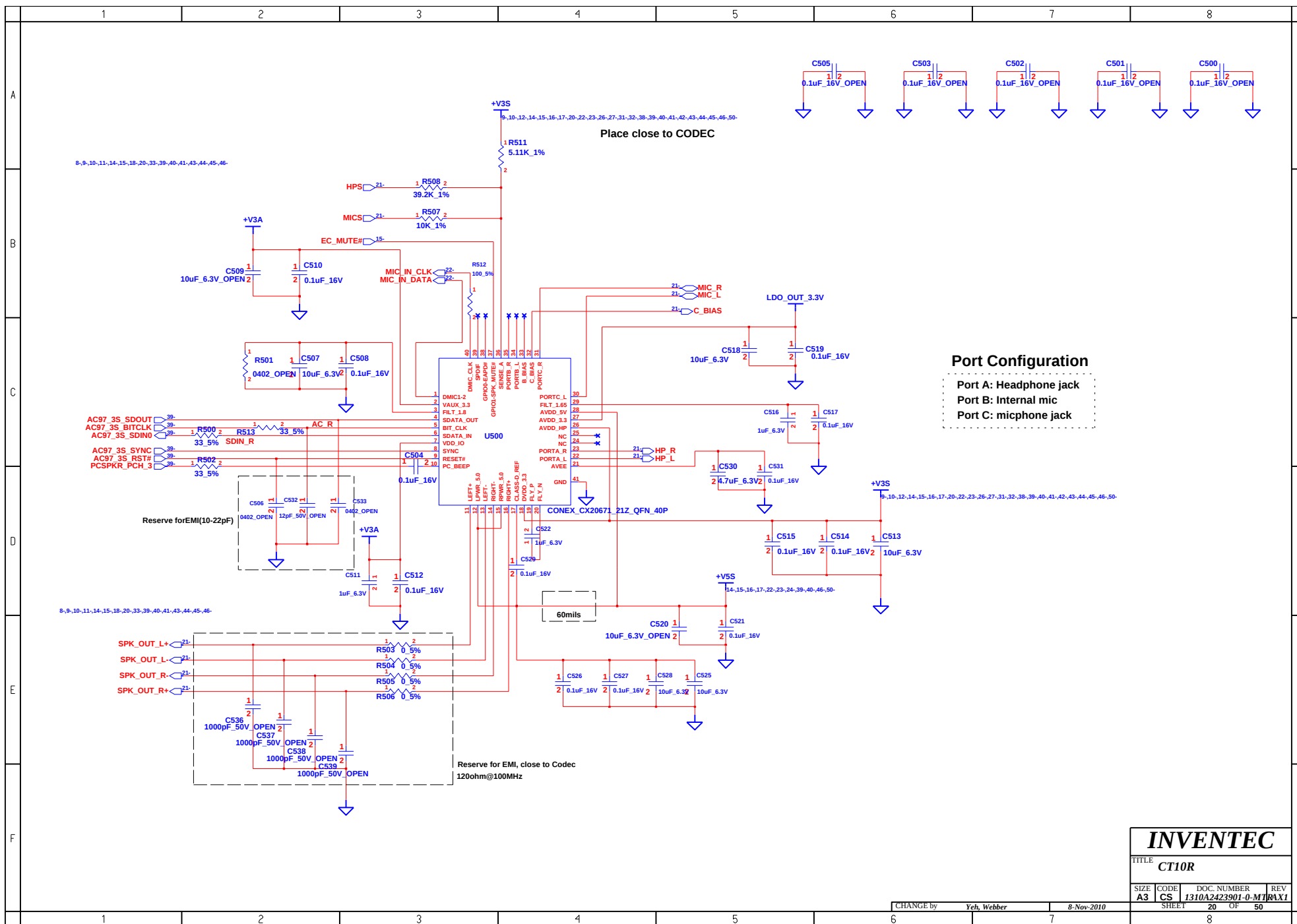
TITLE  
CT10R

| SIZE | CODE | DOC. NUMBER       | REV  |
|------|------|-------------------|------|
| A3   | CS   | 1310A2423901-0-MT | MAX1 |

CHANGE by Yeh, Webber 8-Nov-2010

SHEET 18 OF 50





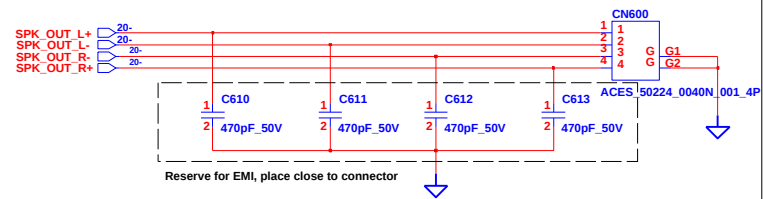
**INVENTEC**

TITLE  
CT10R

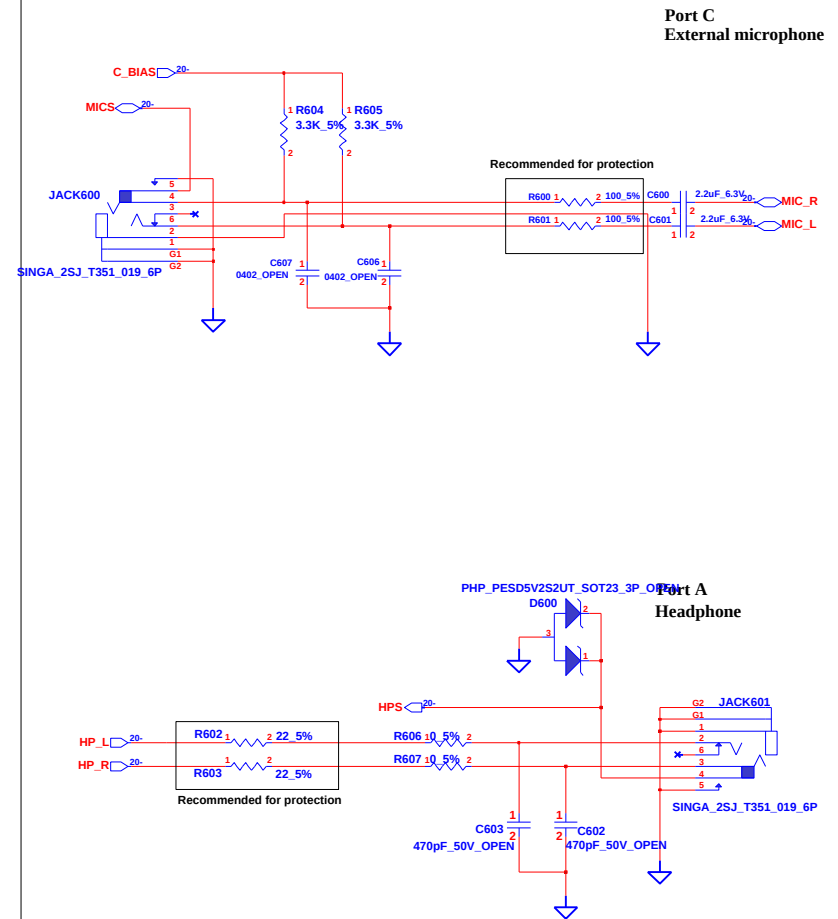
| SIZE  | CODE | DOC. NUMBER       | REV   |
|-------|------|-------------------|-------|
| A3    | CS   | 1310A2423901-0-MT | MAX1  |
| SHEET |      | 20                | OF 50 |

CHANGE by Yeh, Webber 8-Nov-2010

## INTERNAL SPEAKERS



## AUDIO JACKS



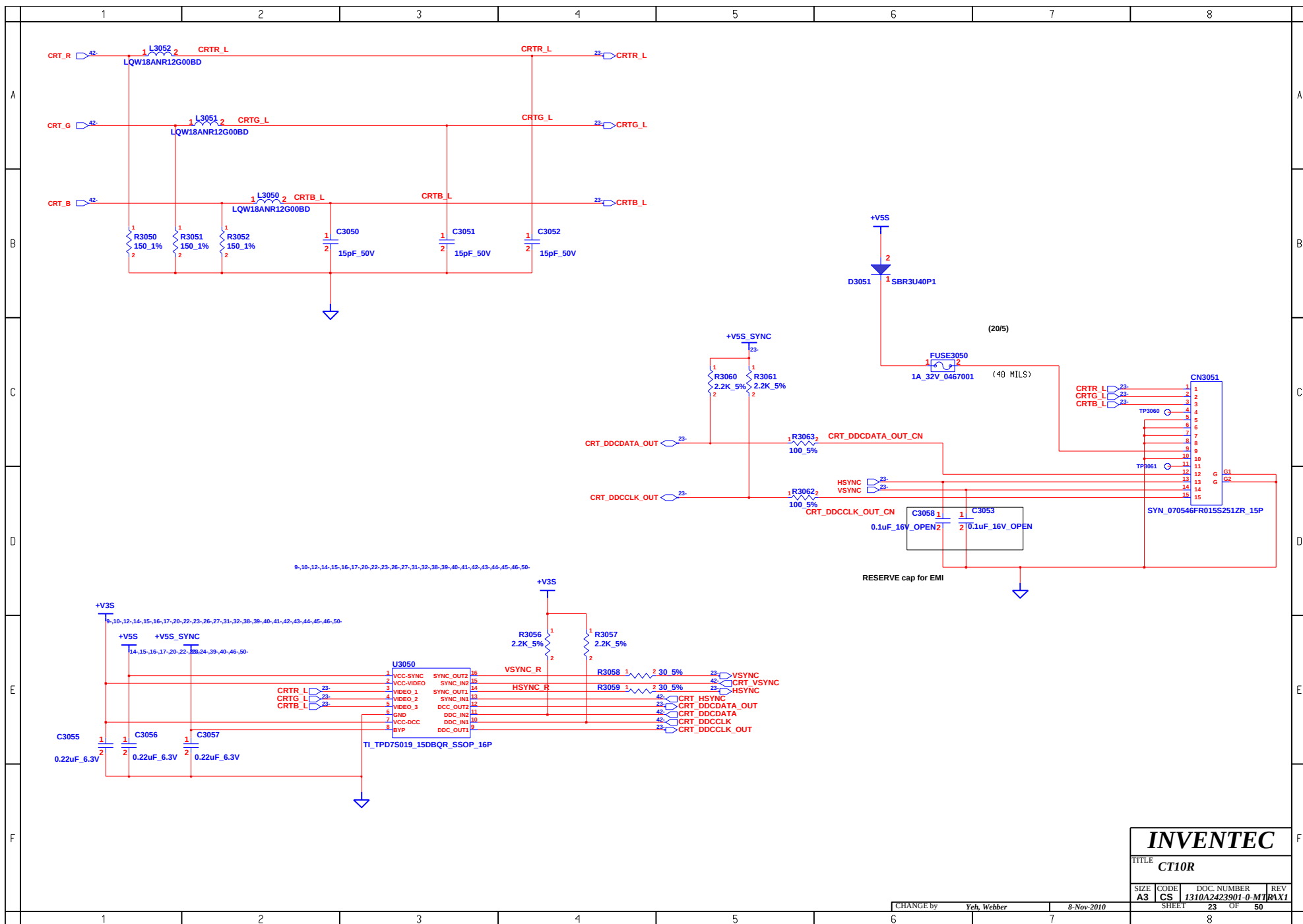
**INVENTEC**

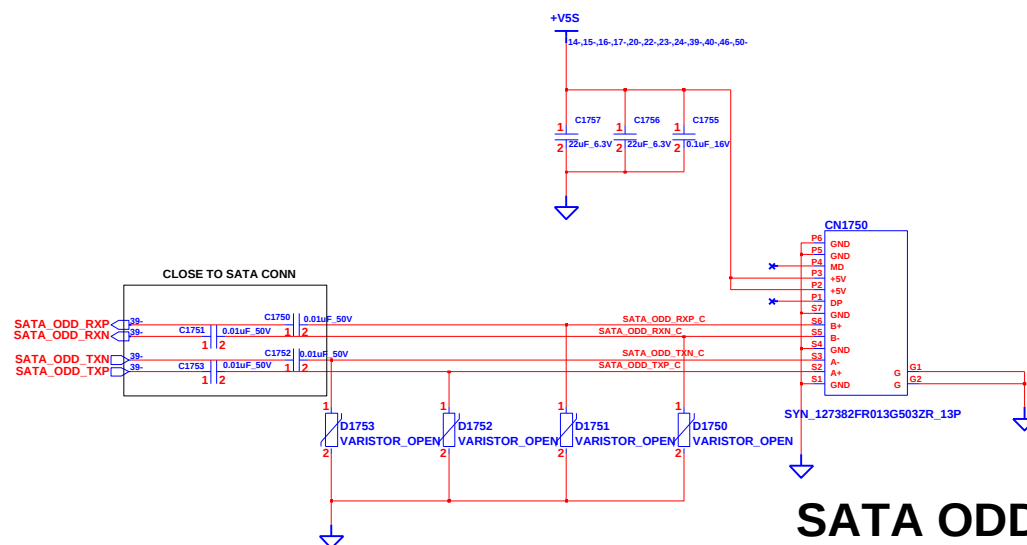
TITLE  
**CT10R**

| SIZE  | CODE | DOC. NUMBER       | REV   |
|-------|------|-------------------|-------|
| A3    | CS   | 1310A2423901-0-MT | MAX1  |
| SHEET |      | 21                | OF 50 |

CHANGE by Yeh, Webber 8-Nov-2010







## SATA HDD

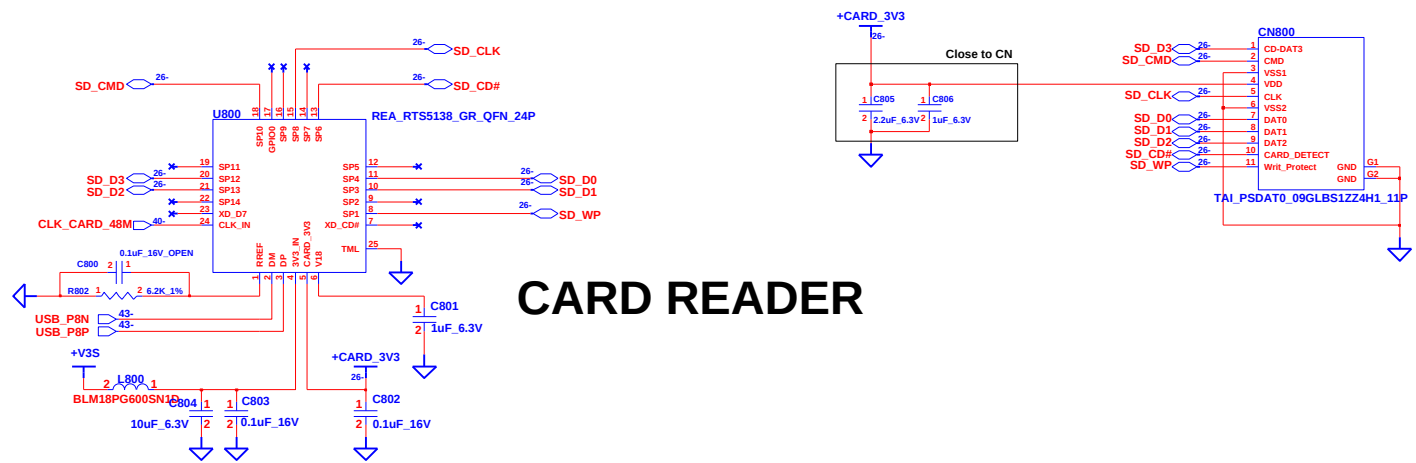
## SATA ODD

|              |           |                          |            |
|--------------|-----------|--------------------------|------------|
| TITLE        |           |                          |            |
| <b>CT10R</b> |           |                          |            |
| SIZE         | CODE      | DOC. NUMBER              | REV        |
| <b>A3</b>    | <b>CS</b> | <b>1310A2423901-0-MT</b> | <b>AX1</b> |
| SHEET        |           | 24                       | OF 50      |

[illegible]

|       |              |
|-------|--------------|
| TITLE | <i>CT10R</i> |
|-------|--------------|

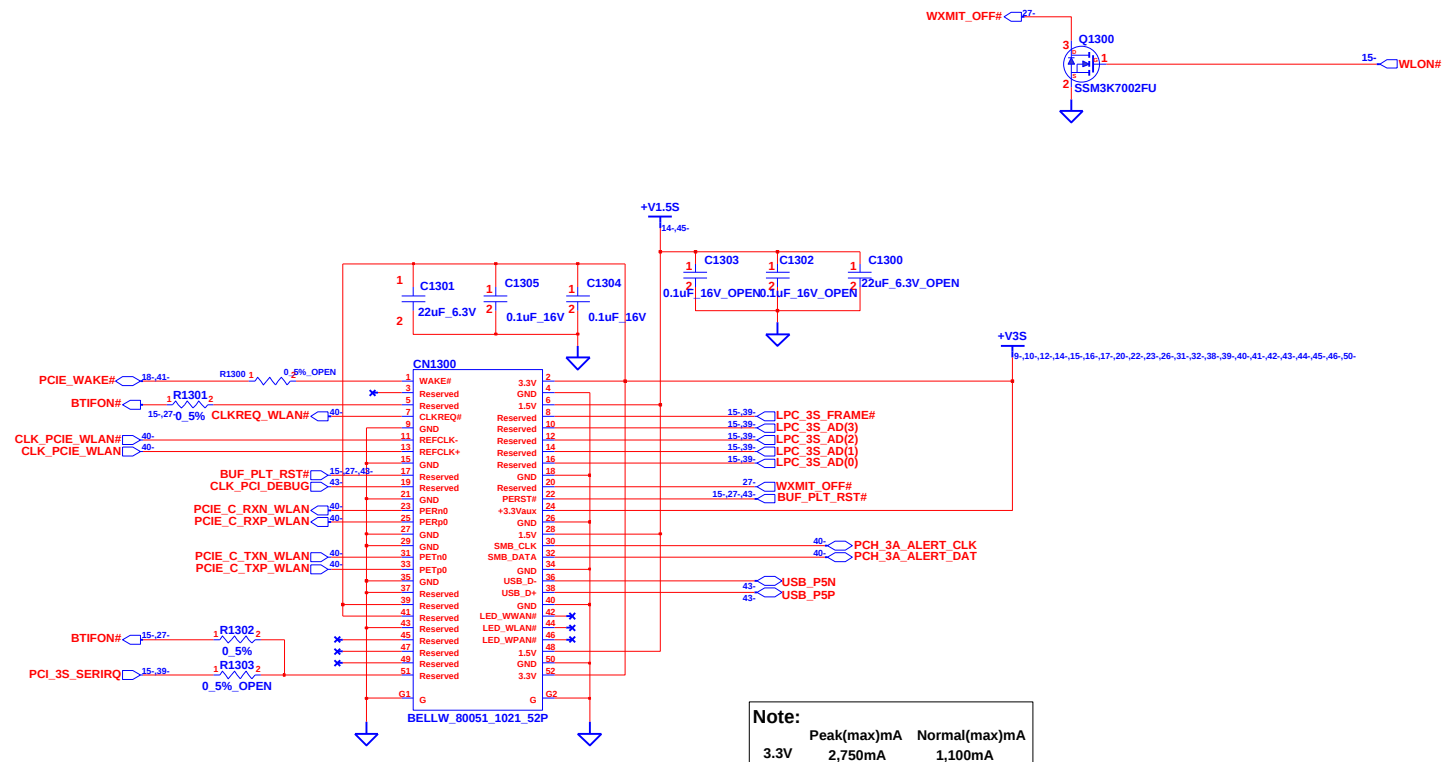
|                   |                   |                                         |                    |
|-------------------|-------------------|-----------------------------------------|--------------------|
| SIZE<br><b>A3</b> | CODE<br><b>CS</b> | DOC. NUMBER<br><b>1310A2423901-0-MT</b> | REV<br><b>RAX1</b> |
| SHEET             |                   | 25                                      | OF 50              |



# CARD READER

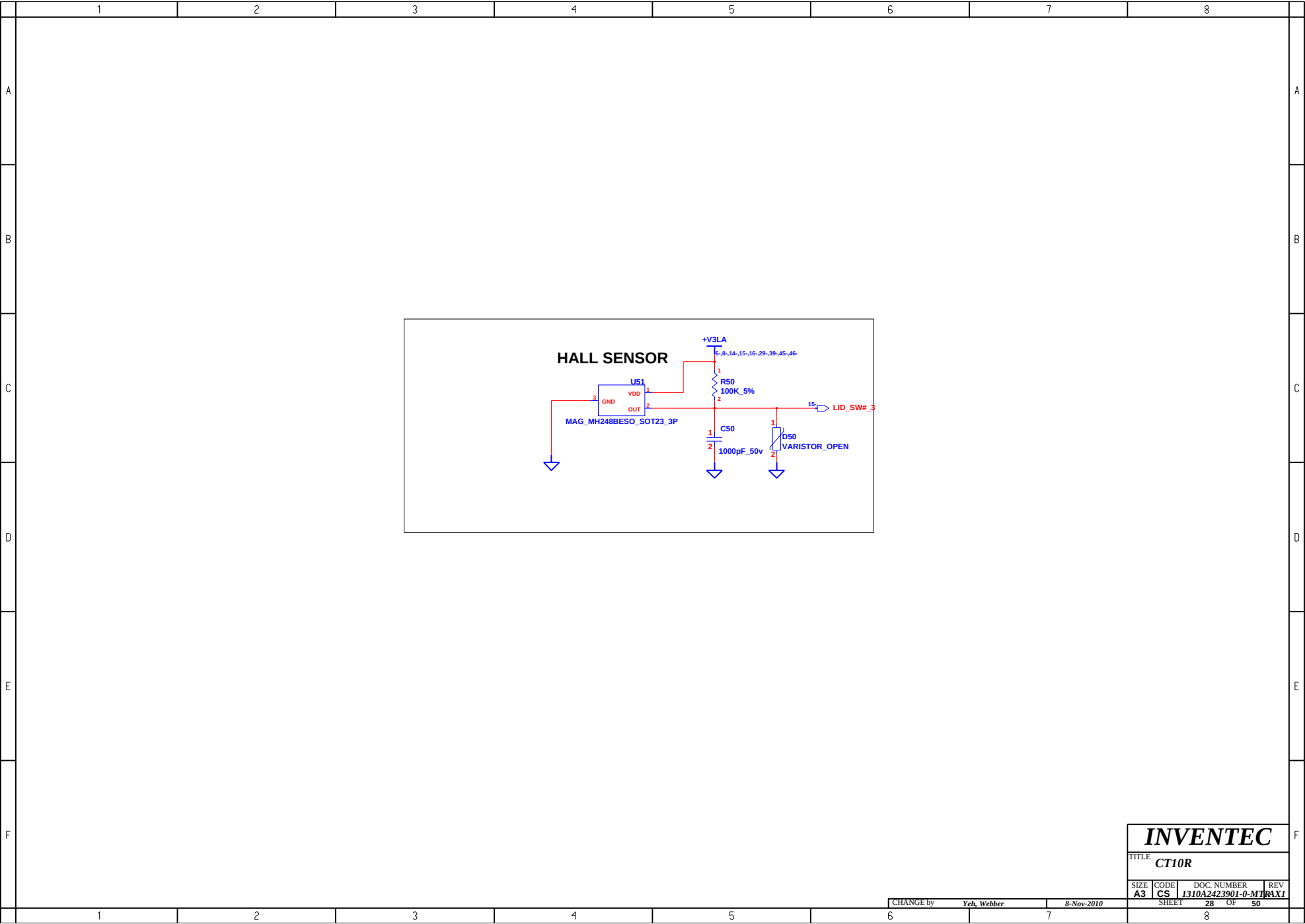
| INVENTEC              |         |                               |          |
|-----------------------|---------|-------------------------------|----------|
| TITLE CT10R           |         |                               |          |
| SIZE A3               | CODE CS | DOC. NUMBER 1310A2423901-0-MT | REV MAX1 |
| CHANGE by Yeh, Webber |         | 8-Nov-2010                    |          |
| SHEET 26              |         | OF 50                         |          |

# Wireless & Debug card

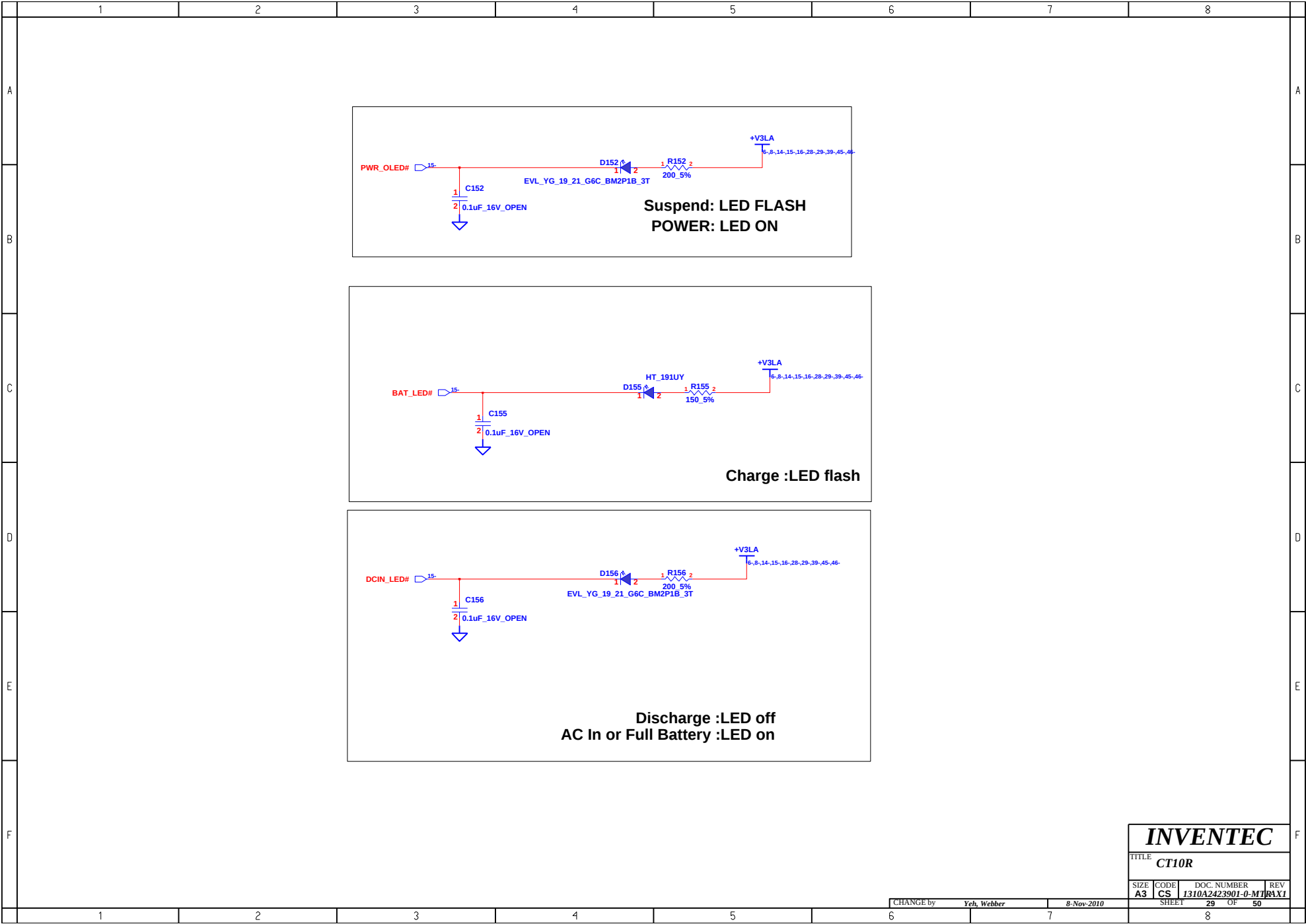


MINI CARD 1

| INVENTEC              |         |                               |          |
|-----------------------|---------|-------------------------------|----------|
| TITLE CT10R           |         |                               |          |
| SIZE A3               | CODE CS | DOC. NUMBER 1310A2423901-0-MT | REV MAX1 |
| CHANGE by Yeh, Webber |         | 8-Nov-2010                    |          |
| SHEET 27              |         | OF 50                         |          |



|                       |         |                               |          |
|-----------------------|---------|-------------------------------|----------|
| INVENTEC              |         |                               |          |
| TITLE CT10R           |         |                               |          |
| SIZE A3               | CODE CS | DOC. NUMBER 1310A2423901-0-MT | REV MAX1 |
| CHANGE by Yeh, Webber |         | 8-Nov-2010                    |          |
| SHEET 28              |         | OF 50                         |          |



**INVENTEC**

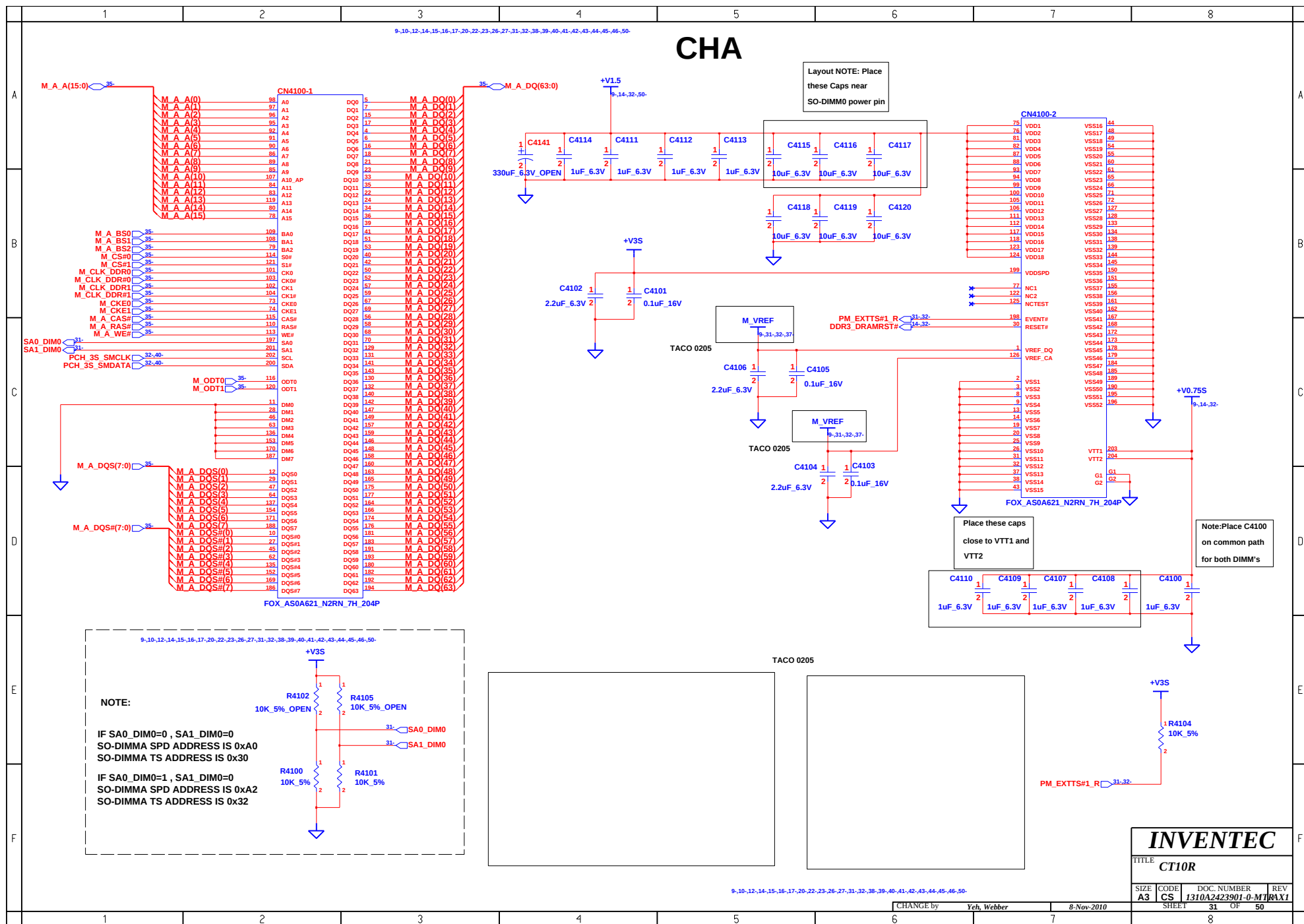
TITLE  
**CT10R**

|                    |                   |                                         |                    |
|--------------------|-------------------|-----------------------------------------|--------------------|
| SIZE<br><b>A3</b>  | CODE<br><b>CS</b> | DOC. NUMBER<br><b>1310A2423901-0-MT</b> | REV<br><b>MAX1</b> |
| SHEET<br><b>29</b> |                   | OF<br><b>50</b>                         |                    |

CHANGE by **Yeh, Webber** 8-Nov-2010

|   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|
|   | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |   |
| A |   |   |   |   |   |   |   |   | A |
| B |   |   |   |   |   |   |   |   | B |
| C |   |   |   |   |   |   |   |   | C |
| D |   |   |   |   |   |   |   |   | D |
| E |   |   |   |   |   |   |   |   | E |
| F |   |   |   |   |   |   |   |   | F |
|   | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |   |

|                              |      |                   |       |
|------------------------------|------|-------------------|-------|
| <b>INVENTEC</b>              |      |                   |       |
| TITLE <b>CT10R</b><br>CLKGEN |      |                   |       |
| SIZE                         | CODE | DOC. NUMBER       | REV   |
| A3                           | CS   | 1310A2423901-0-MT | MAX1  |
| CHANGE by                    |      | 8-Nov-2010        |       |
| Yeh, Webber                  |      |                   |       |
| SHEET                        |      | 30                | OF 50 |



**CHB**

Layout Note: Place these Caps near SO-DIMM1 power pin

Place these caps close to VTT1 and VTT2

NOTE:  
SO-DIMMB SPD ADDRESS IS 0xA4  
SO-DIMMB TS ADDRESS IS 0x34

**INVENTEC**  
CT10R

| SIZE | CODE | DOC. NUMBER       | REV  |
|------|------|-------------------|------|
| A3   | CS   | 1310A2423901-0-M1 | MAX1 |

CHANGE by Yeh, Webber 8-Nov-2010

SHEET 32 OF 50

The image displays a detailed PCB layout for a memory module, labeled "CHB". The layout is organized into several functional areas:

- Memory Array:** The central part of the layout shows a dense array of memory cells, with labels for M\_B\_A(0) through M\_B\_A(15) and M\_B\_DQ(0) through M\_B\_DQ(63). The array is connected to a central bus labeled "M\_B\_DQ(63:0)".
- Power and Ground Planes:** The layout includes a +V1.5 power plane and a +V3S power plane. Ground planes are indicated by blue symbols.
- Capacitors:** Numerous capacitors are placed throughout the layout, including 1uF 6.3V, 10uF 6.3V, 2.2uF 6.3V, and 0.1uF 16V. A note specifies: "Layout Note: Place these Caps near SO-DIMM1 power pin".
- Resistors:** Resistors are used for termination and signal conditioning, with labels like R4116, R4117, R4118, and R4115.
- SO-DIMM SPD Address:** A detailed schematic for the SO-DIMM SPD address is shown, including a note: "NOTE: SO-DIMM SPD ADDRESS IS 0xA4 SO-DIMM TS ADDRESS IS 0x34".
- Component Labels:** Various components are labeled, including "TACO 0205", "FOX\_AS0A621\_JARG\_7H\_204P", and "INVENTEC CT10R".

The layout is a complex interplay of electrical connections, power distribution, and component placement, designed to ensure reliable operation of the memory module.

**CHB**

Layout Note: Place these Caps near SO-DIMM1 power pin

Place these caps close to VTT1 and VTT2

NOTE:  
SO-DIMMB SPD ADDRESS IS 0xA4  
SO-DIMMB TS ADDRESS IS 0x34

**INVENTEC**  
CT10R

SIZE CODE DOC. NUMBER REV  
A3 CS 1310A2423901-0-M1 MAX1

CHANGE by Yeh, Webber 8-Nov-2010 SHEET 32 OF 50

**CHB**

Layout Note: Place these Caps near SO-DIMM1 power pin

Place these caps close to VTT1 and VTT2

NOTE:  
SO-DIMMB SPD ADDRESS IS 0xA4  
SO-DIMMB TS ADDRESS IS 0x34

**INVENTEC**  
CT10R

SIZE CODE DOC. NUMBER REV  
A3 CS 1310A2423901-0-M1 MAX1

CHANGE by Yeh, Webber 8-Nov-2010 SHEET 32 OF 50

**CHB**

Layout Note: Place these Caps near SO-DIMM1 power pin

Place these caps close to VTT1 and VTT2

Place these caps close to VTT1 and VTT2

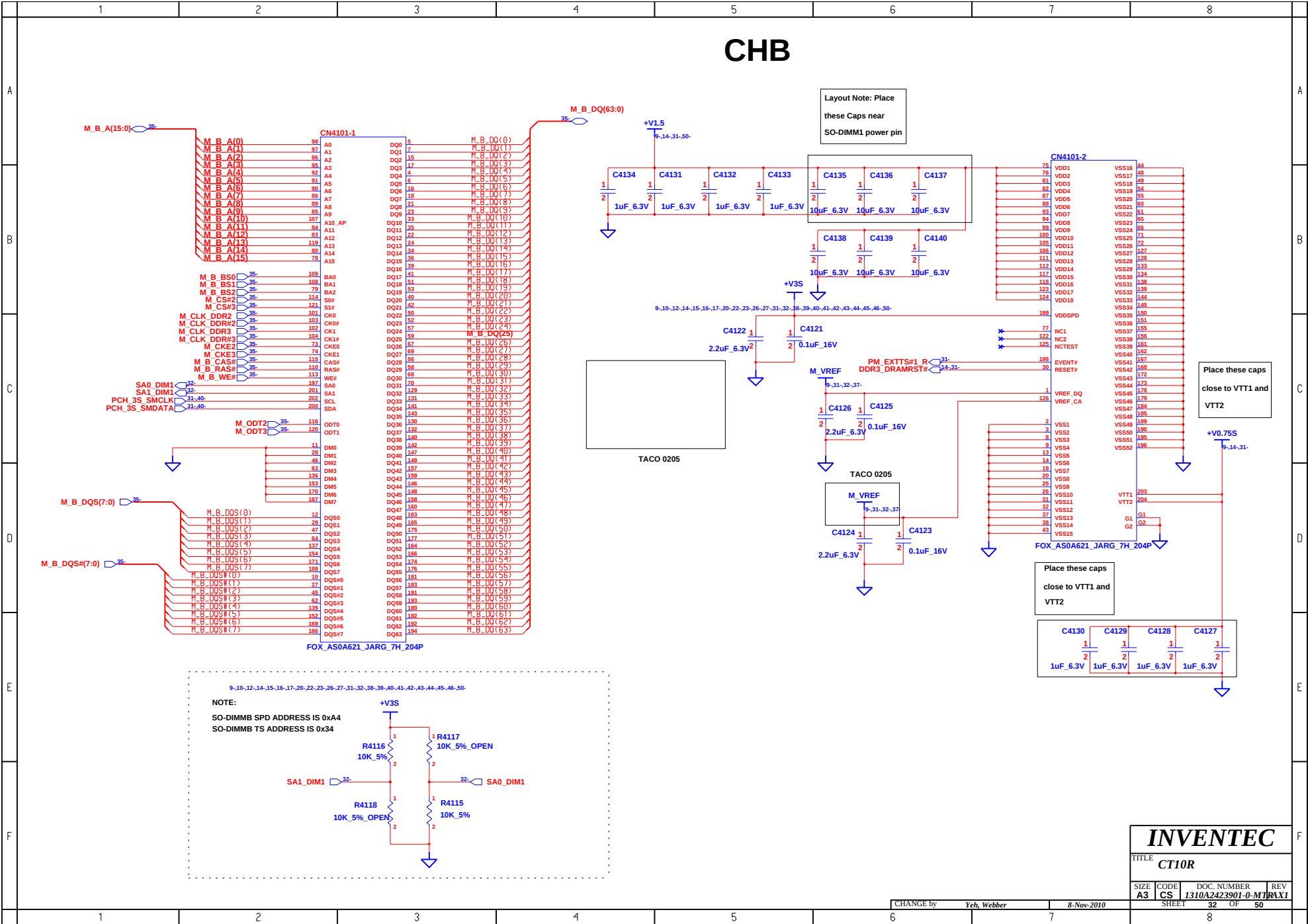
NOTE:  
SO-DIMM SPD ADDRESS IS 0xA4  
SO-DIMM TS ADDRESS IS 0x34

**INVENTEC**  
CT10R

| SIZE | CODE | DOC. NUMBER       | REV  |
|------|------|-------------------|------|
| A3   | CS   | 1310A2423901-0-M1 | MAX1 |

CHANGE by Yeh, Webber 8-Nov-2010

SHEET 32 OF 50



**CHB**

Layout Note: Place these Caps near SO-DIMM1 power pin

Place these caps close to VTT1 and VTT2

NOTE:  
SO-DIMMB SPD ADDRESS IS 0xA4  
SO-DIMMB TS ADDRESS IS 0x34

**INVENTEC**  
CT10R

SIZE CODE DOC. NUMBER REV  
A3 CS 1310A2423901-0-M1 MAX1

CHANGE by Yeh, Webber 8-Nov-2010 SHEET 32 OF 50

The image displays a detailed PCB layout for a component labeled 'CHB'. The layout is organized into several functional areas:

- Memory Interface:** The top left section shows the connection to a memory module (CN4101-1) with pins M\_B\_A(0) through M\_B\_A(15) and M\_B\_DQ(63:0). It includes a note about the SO-DIMM SPD address (0xA4) and TS address (0x34).
- Power and Grounding:** The top right section shows the connection to a power plane (+V1.5) and a ground plane (GND). It includes a note about the SO-DIMM power pin and the placement of capacitors near the power pin.
- Capacitor Placement:** Numerous capacitors (C4134 through C4137, C4138 through C4140, C4122, C4121, C4126, C4125, C4124, C4123, C4130 through C4133) are placed throughout the layout, primarily near the power and ground planes.
- Resistor Placement:** Resistors (R4116, R4117, R4118, R4115) are placed near the memory interface pins.
- Component Labels:** Various components are labeled, including 'TACO 0205', 'FOX\_AS0A621\_JARG\_7H\_204P', and 'INVENTEC CT10R'.
- Notes:** Several notes are present, including 'Layout Note: Place these Caps near SO-DIMM power pin', 'Place these caps close to VTT1 and VTT2', and 'NOTE: SO-DIMM SPD ADDRESS IS 0xA4 SO-DIMM TS ADDRESS IS 0x34'.

The layout is a top-down view of the PCB, showing the physical arrangement of components and their electrical connections. The components are color-coded: capacitors are blue, resistors are red, and other components are black. The layout is organized into a grid, with components placed in a regular pattern.

The image displays a detailed PCB layout for a component labeled 'CHB'. The layout is organized into several functional areas:

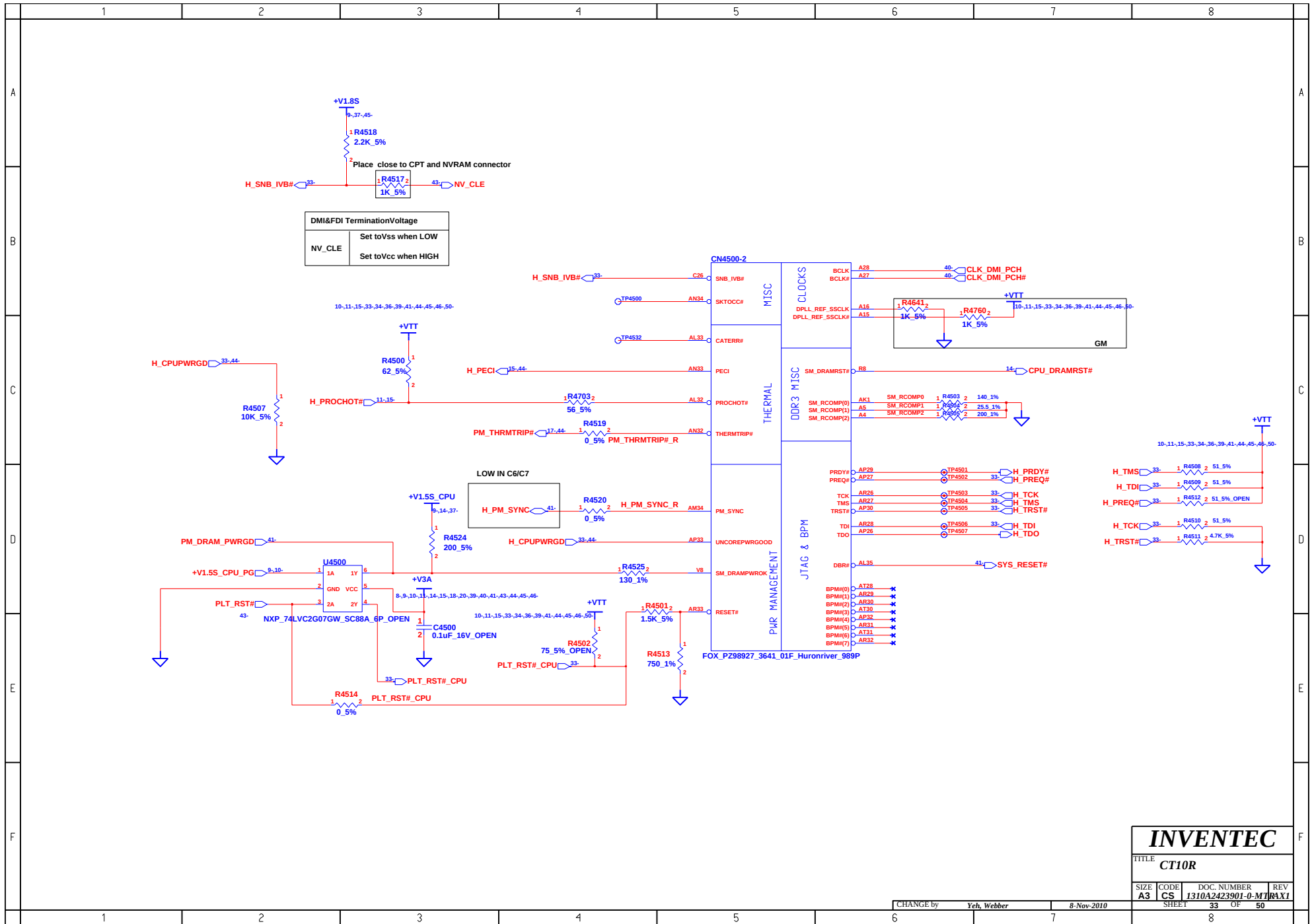
- Memory Interface:** The top left section shows the connection to a memory module (CN4101-1) with pins M\_B\_A(0) through M\_B\_A(15) and M\_B\_DQ(63:0). It includes a note about the SO-DIMM SPD address (0xA4) and TS address (0x34).
- Power and Grounding:** The top right section shows the connection to a power plane (+V1.5) and a ground plane (GND). It includes a note about the SO-DIMM power pin and the placement of capacitors near the power pin.
- Capacitor Placement:** Numerous capacitors (C4134 through C4137, C4138 through C4140, C4122, C4121, C4126, C4125, C4124, C4123, C4130 through C4133) are placed throughout the layout, primarily near the power and ground planes.
- Resistor Placement:** Resistors (R4116, R4117, R4118, R4115) are placed near the memory interface pins.
- Component Labels:** Various components are labeled, including 'TACO 0205', 'FOX\_AS0A621\_JARG\_7H\_204P', and 'INVENTEC CT10R'.
- Notes:** Several notes are present, including 'Layout Note: Place these Caps near SO-DIMM power pin', 'Place these caps close to VTT1 and VTT2', and 'NOTE: SO-DIMM SPD ADDRESS IS 0xA4 SO-DIMM TS ADDRESS IS 0x34'.

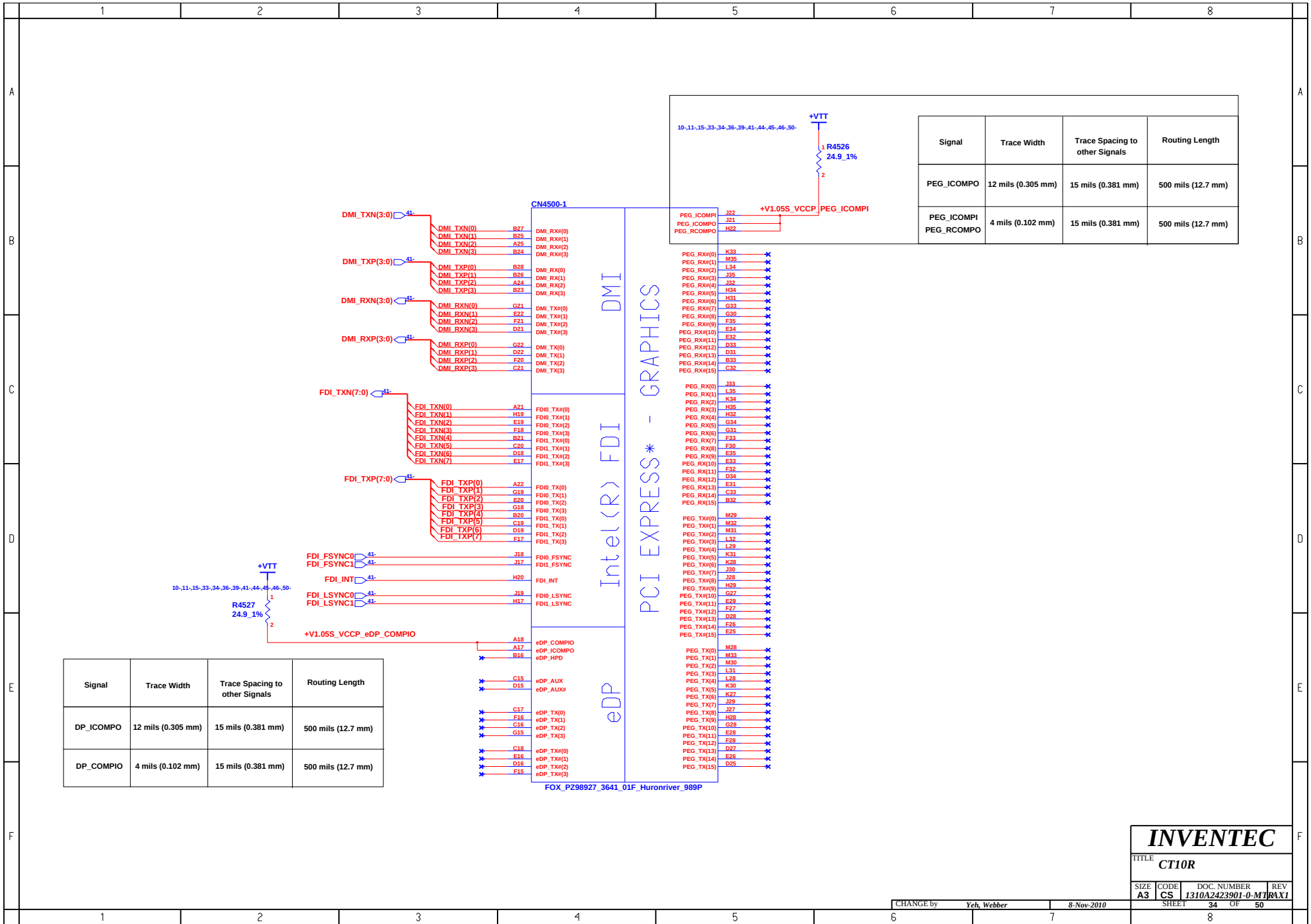
The layout is a top-down view of the PCB, showing the physical arrangement of components and their electrical connections. The components are color-coded: capacitors are blue, resistors are yellow, and other components are green. The layout is surrounded by a grid of coordinates (A through F, 1 through 8).

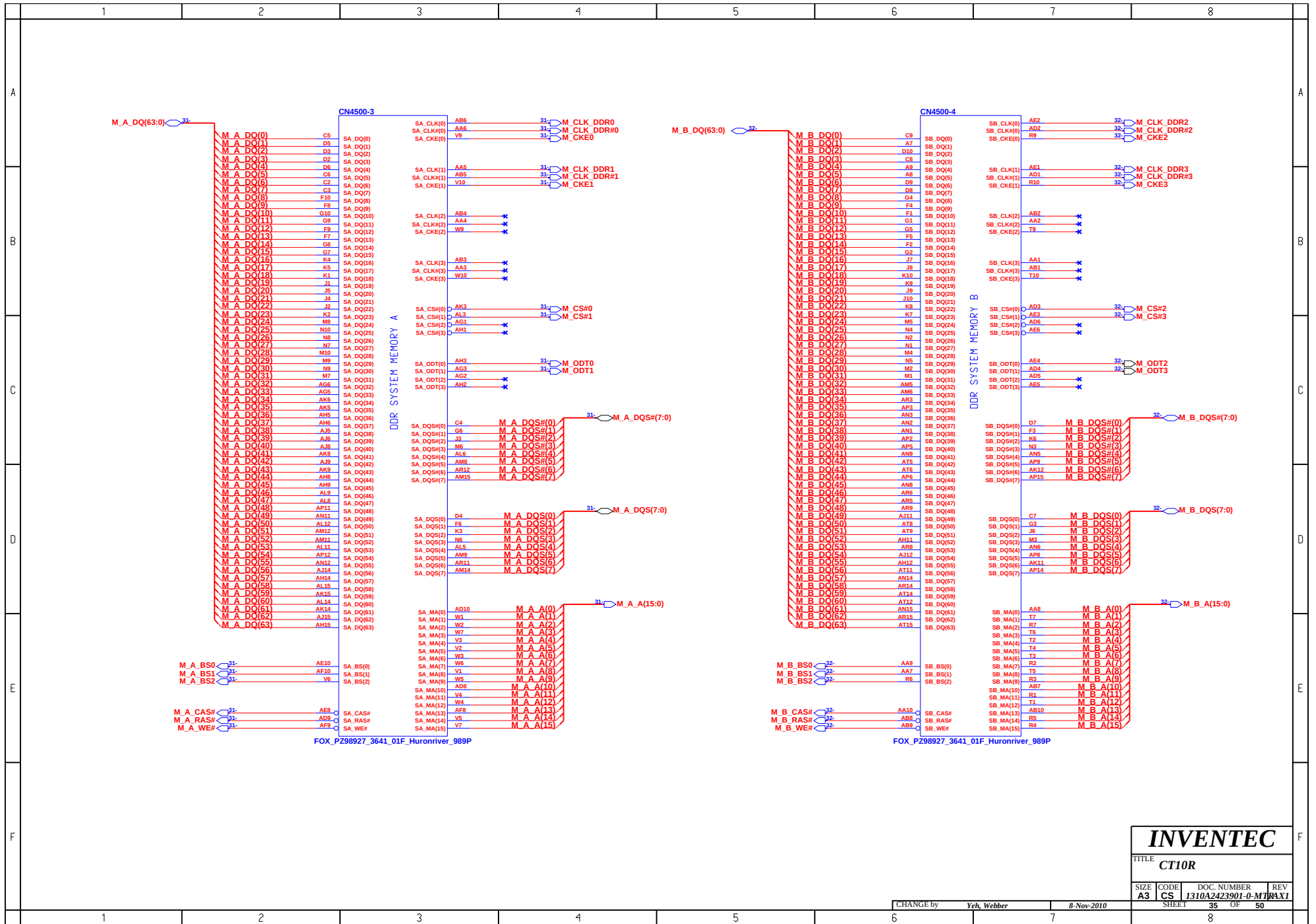
The image displays a detailed PCB layout for a component labeled 'CHB'. The layout is organized into several functional areas:

- Memory Interface:** The top left section shows the connection to a memory module (CN4101-1) with pins M\_B\_A(0) through M\_B\_A(15) and M\_B\_DQ(63:0). It includes a note about the SO-DIMM SPD address (0xA4) and TS address (0x34).
- Power and Grounding:** The top right section shows the connection to a power plane (+V1.5) and a ground plane (GND). It includes a note about the SO-DIMM power pin and the placement of capacitors near the power pin.
- Capacitor Placement:** Numerous capacitors (C4134 through C4137, C4138 through C4140, C4122, C4121, C4126, C4125, C4124, C4123, C4130 through C4133) are placed throughout the layout, with values ranging from 1uF to 10uF. A note indicates that these capacitors should be placed close to VTT1 and VTT2.
- Resistor Placement:** Resistors R4116, R4117, R4118, and R4115 are placed near the memory interface. A note indicates that these resistors should be placed close to VTT1 and VTT2.
- Component Labels:** Various components are labeled, including TACO 0205, FOX\_AS0A621\_JARG\_7H\_204P, and various capacitors (C4134 through C4137, C4138 through C4140, C4122, C4121, C4126, C4125, C4124, C4123, C4130 through C4133).
- Layout Note:** A note in the top right corner states: "Layout Note: Place these Caps near SO-DIMM power pin".
- Component Placement:** A note in the bottom right corner states: "Place these caps close to VTT1 and VTT2".
- Component Placement:** A note in the bottom right corner states: "Place these caps close to VTT1 and VTT2".

The layout is a complex schematic showing the electrical connections and component placement for the CHB component. It includes a detailed schematic for the SO-DIMM SPD address and TS address, and a note about the placement of capacitors near the power pin.





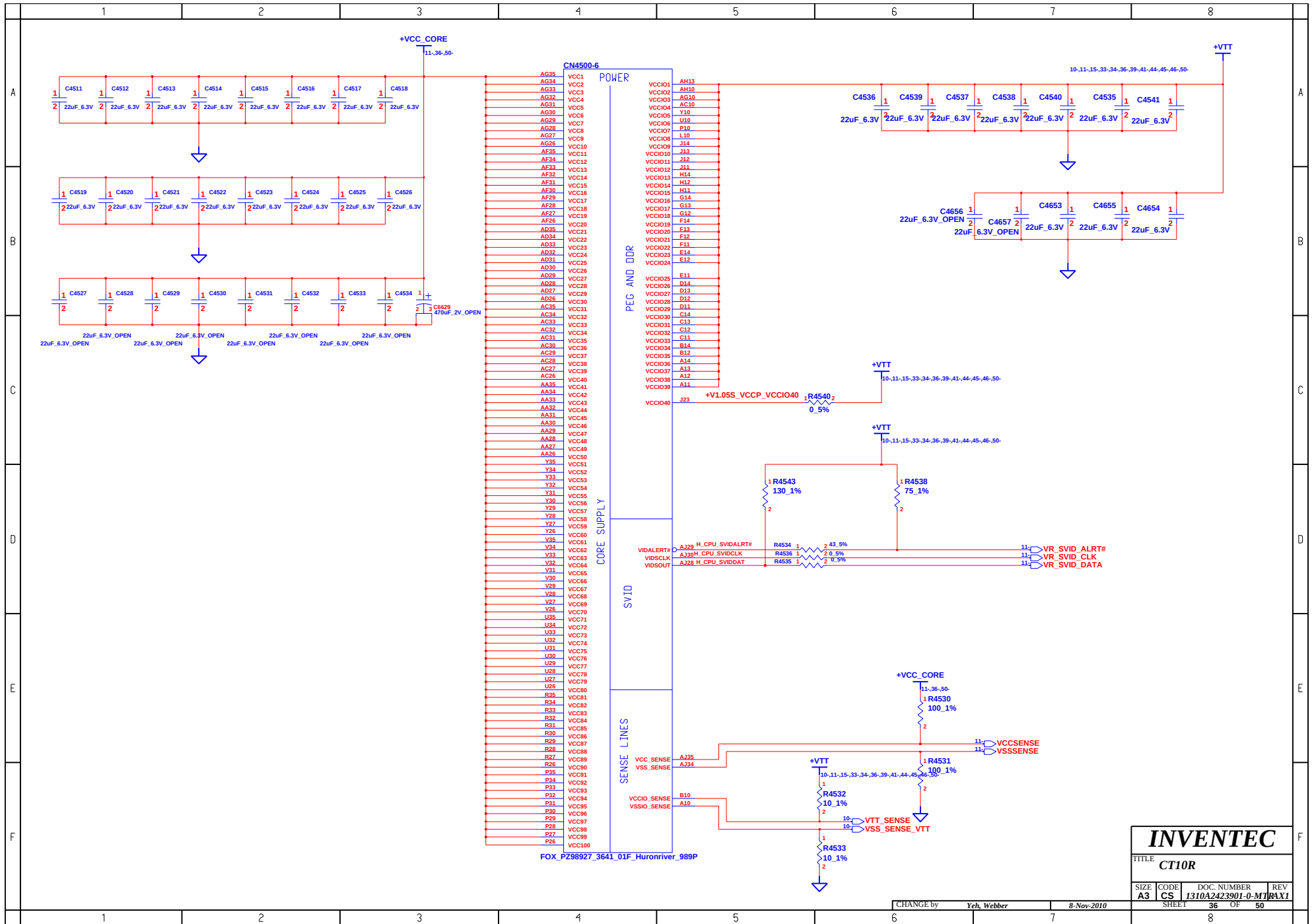


INVENTEC

TITLE  
CT10R

|             |            |                                  |             |
|-------------|------------|----------------------------------|-------------|
| SIZE<br>A3  | CODE<br>CS | DOC. NUMBER<br>1310A2423901-0-MT | REV<br>R1X1 |
| SHEET<br>35 |            | OF<br>50                         |             |

CHANGE by Yeh, Webber 8-Nov-2010

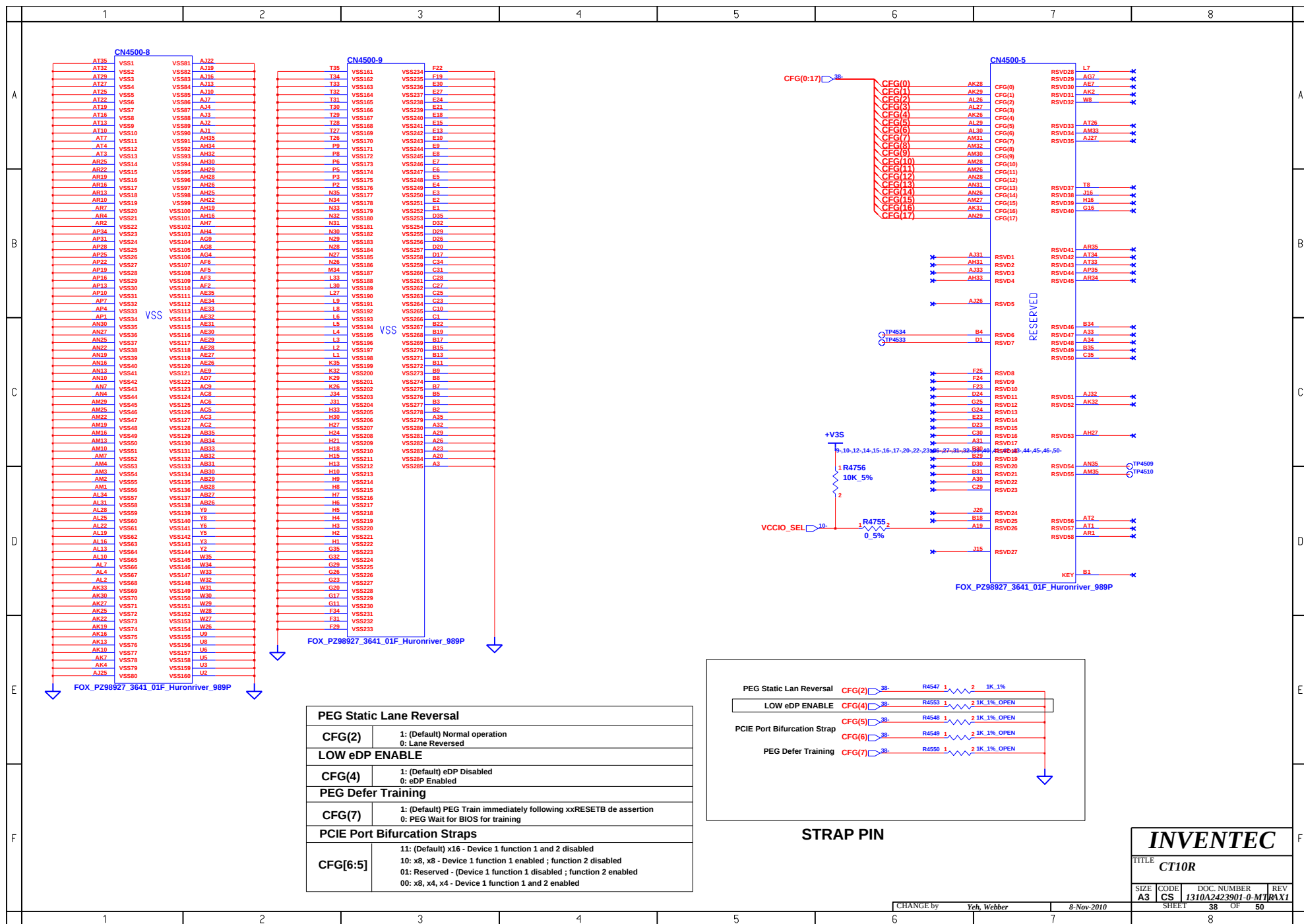


INVENTEC

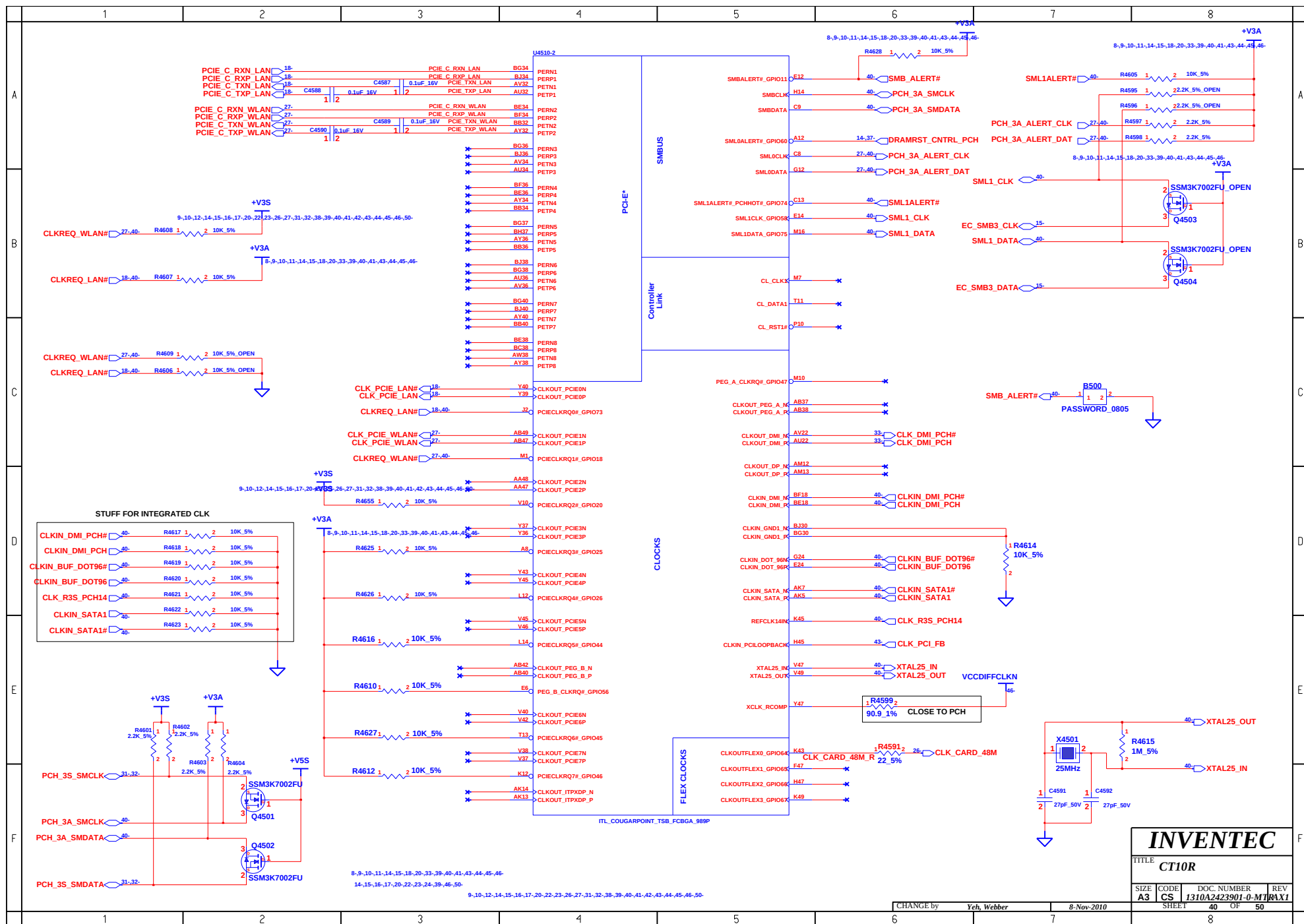
TITLE  
CT10R

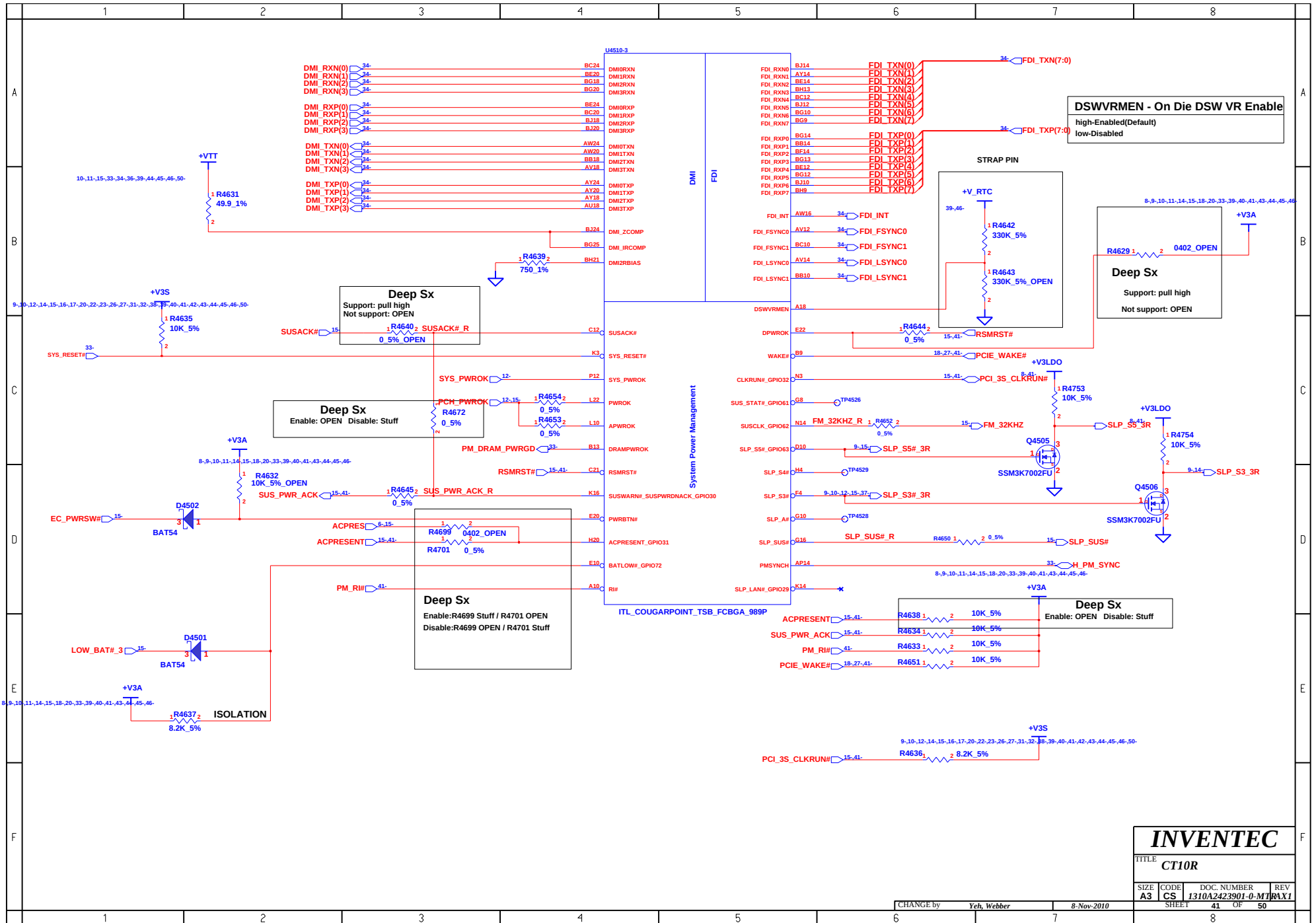
|       |      |                   |       |
|-------|------|-------------------|-------|
| SIZE  | CODE | DOC. NUMBER       | REV   |
| A3    | CS   | 1310A2423901-0-MT | R3X1  |
| SHEET |      | 36                | OF 50 |

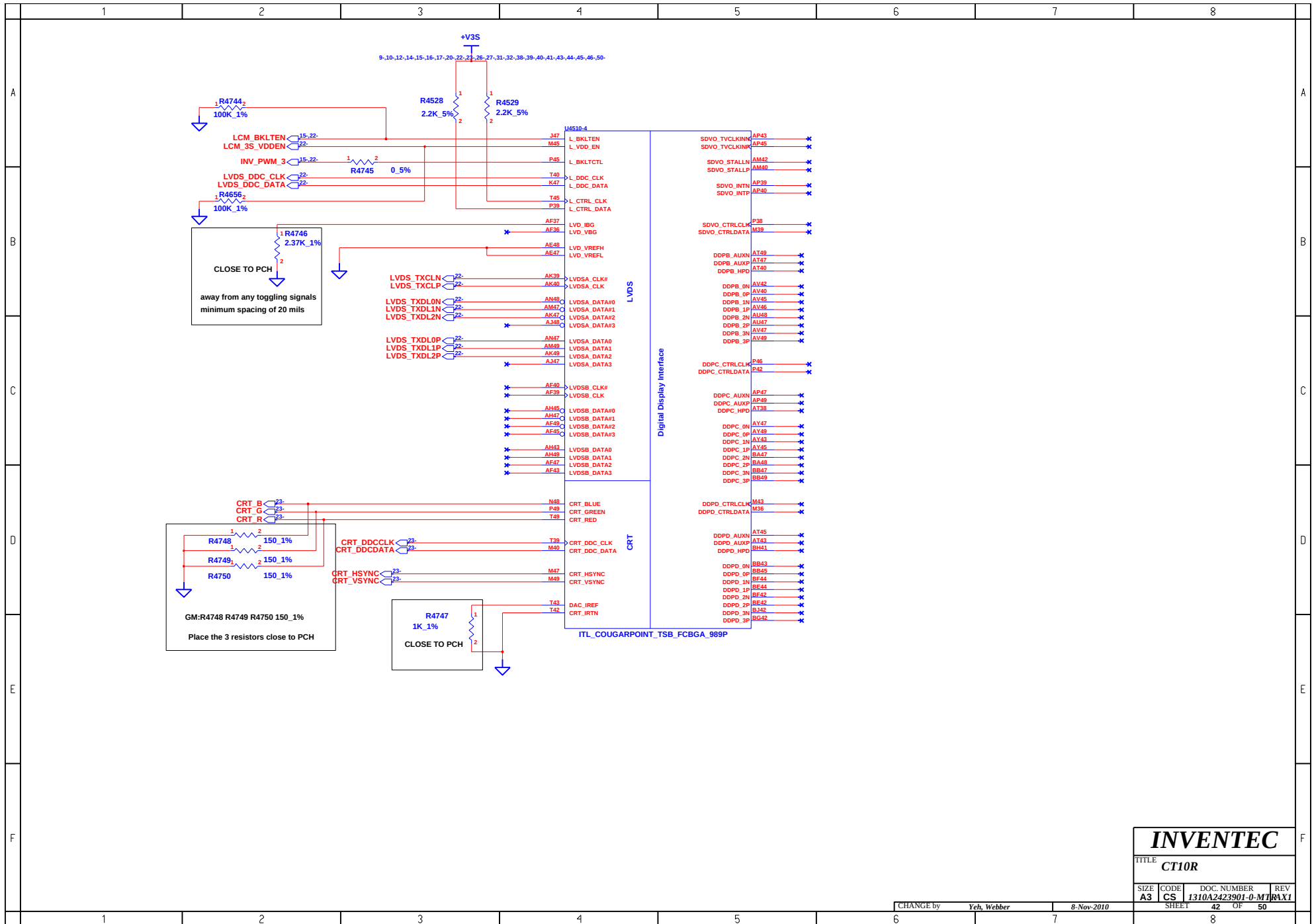












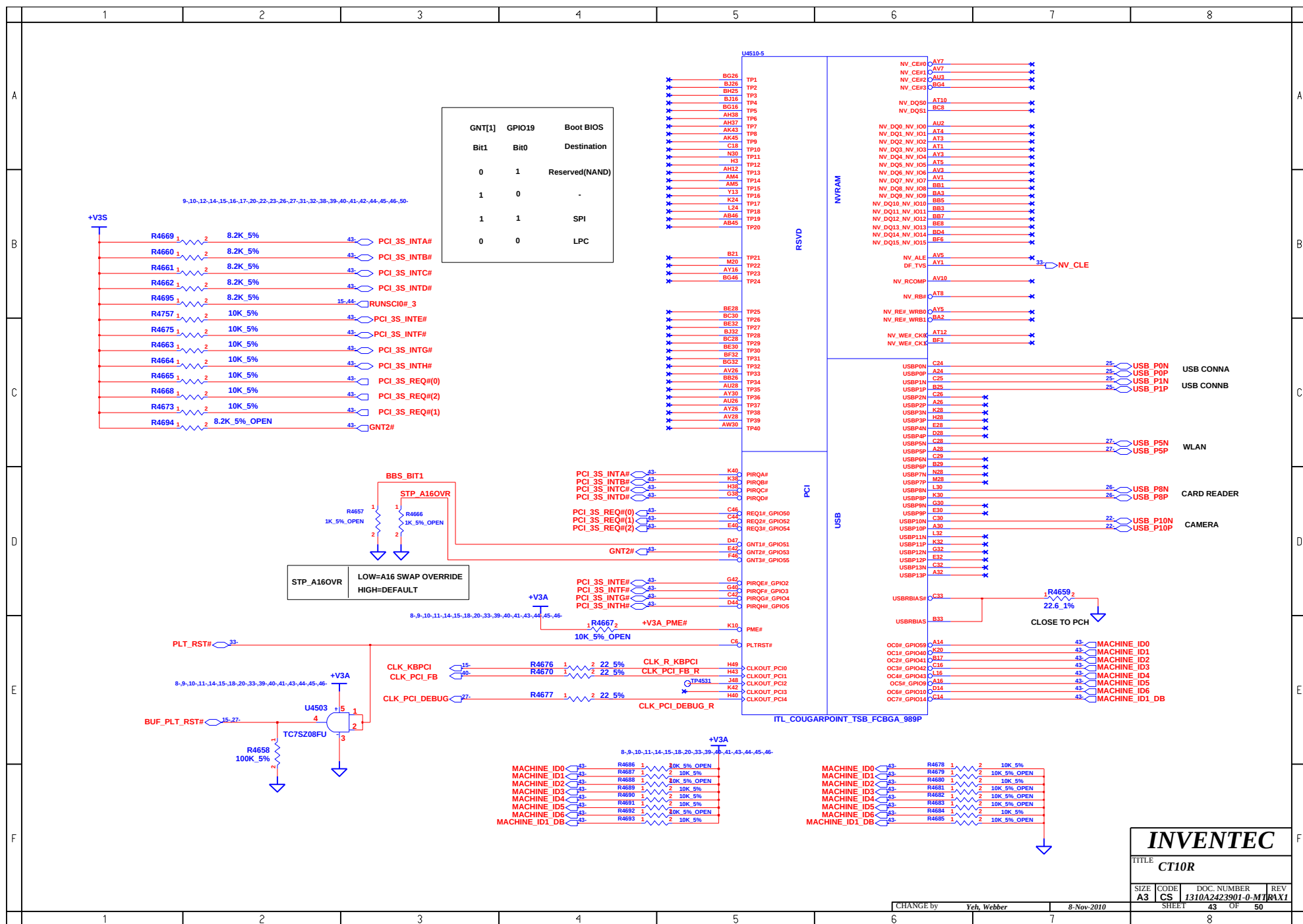
**INVENTEC**

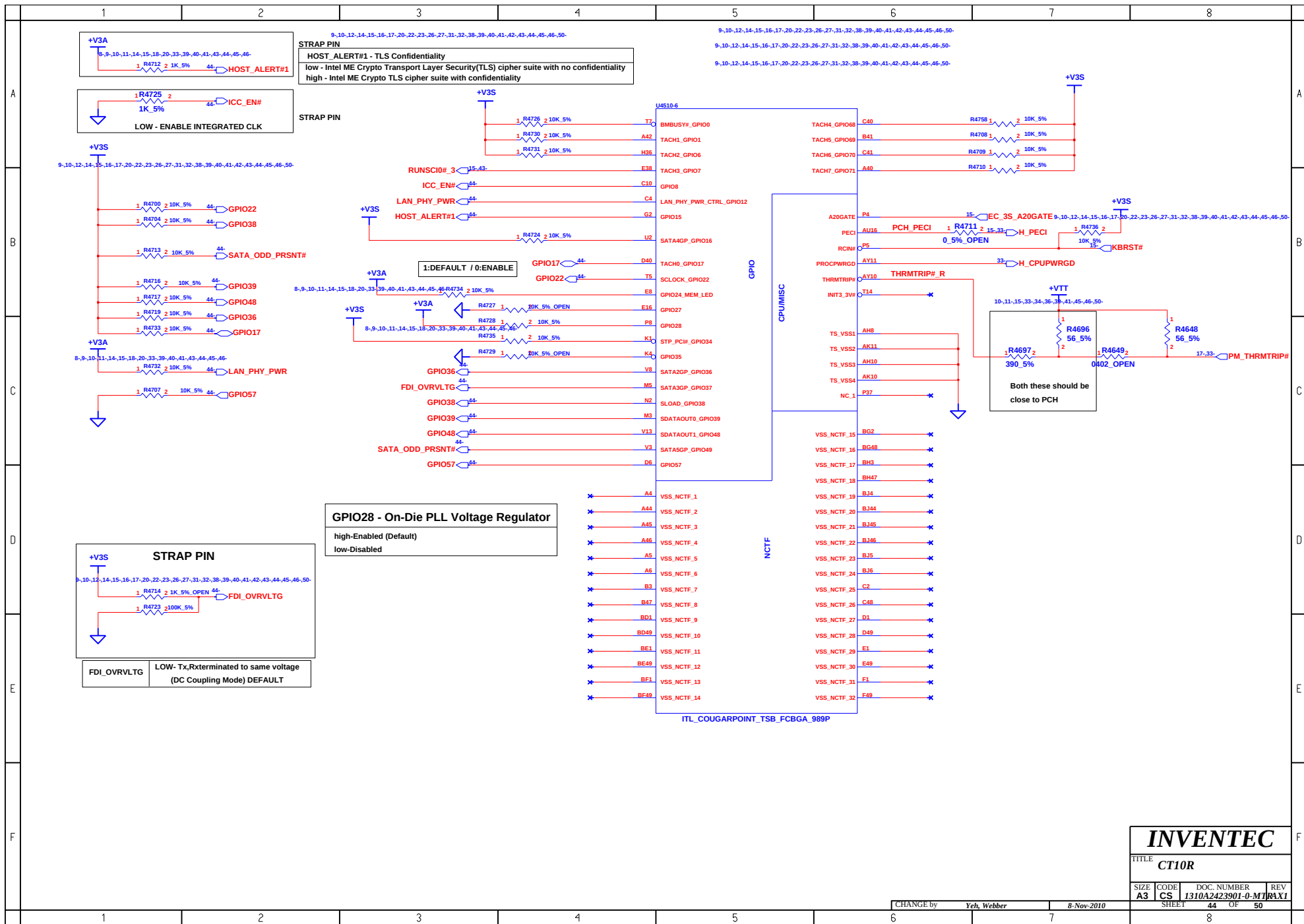
TITLE  
CT10R

| SIZE | CODE | DOC. NUMBER       | REV  |
|------|------|-------------------|------|
| A3   | CS   | 1310A2423901-0-MT | MAX1 |

CHANGE by Yeh, Webber 8-Nov-2010

SHEET 42 OF 50





# INVENTEC

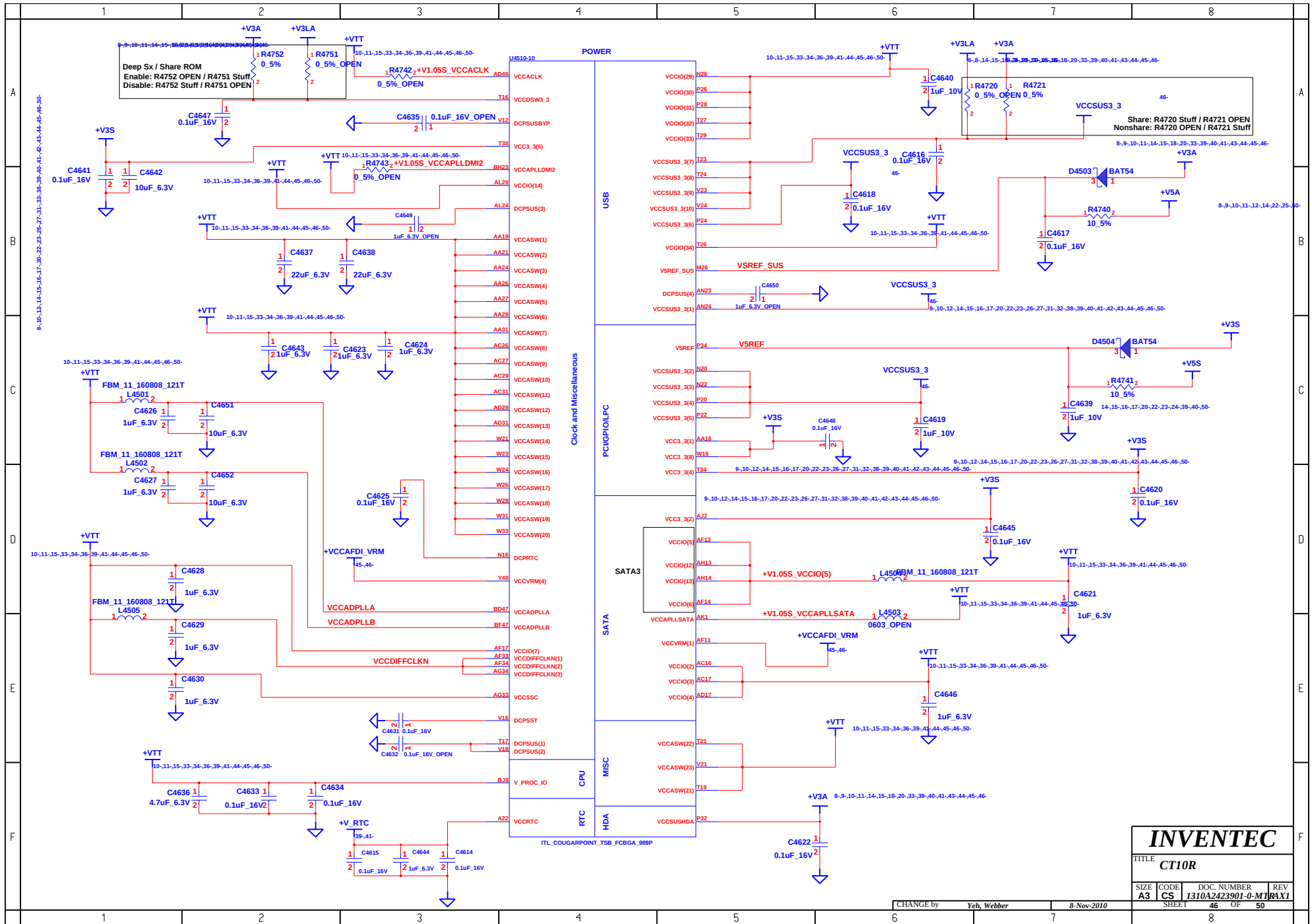
TITLE  
CT10R

| SIZE | CODE | DOC. NUMBER       | REV  |
|------|------|-------------------|------|
| A3   | CS   | 1310A2423901-0-MT | RAX1 |

CHANGE by Yeh, Webber 8-Nov-2010

SHEET 44 OF 50





**INVENTEC**

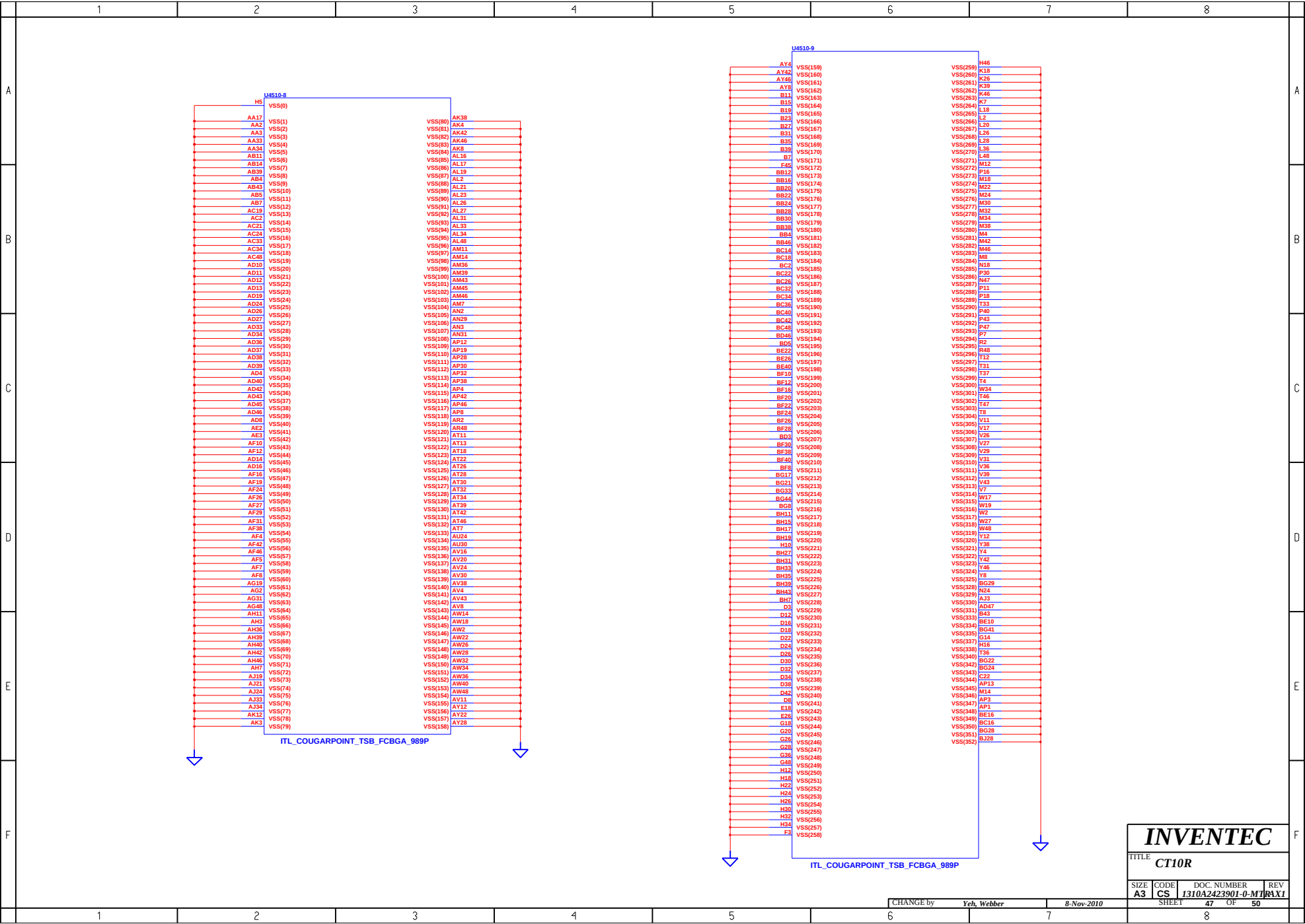
TITLE  
CT10R

|             |            |                                  |             |
|-------------|------------|----------------------------------|-------------|
| SIZE<br>A3  | CODE<br>CS | DOC. NUMBER<br>1310A2423901-0-MT | REV<br>RAX1 |
| SHEET<br>46 |            | OF<br>50                         |             |

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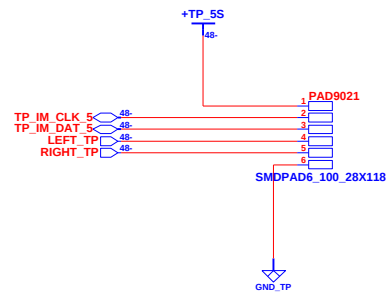
8-Nov-2010

8

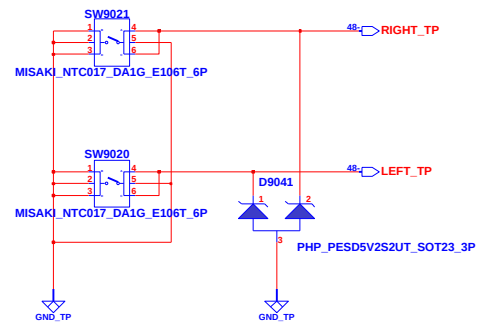
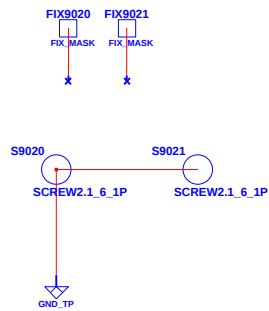
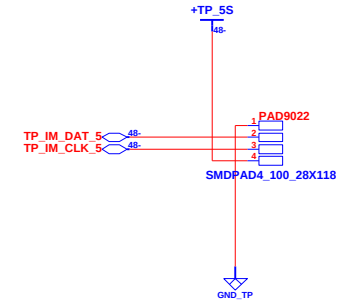


# TOUCH PAD SWITCH BOARD

Connect to Touchpad Module



Connect to Mainboard's TP connector



**INVENTEC**

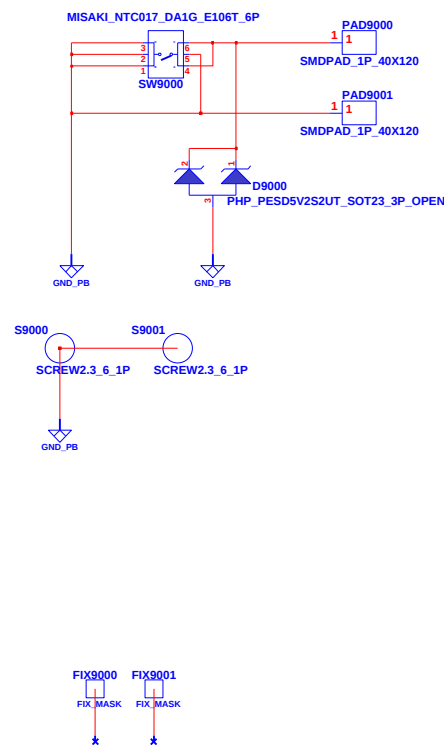
TITLE  
**CT10R**

| SIZE | CODE | DOC. NUMBER       | REV  |
|------|------|-------------------|------|
| A3   | CS   | 1310A2423901-0-MT | MAX1 |

CHANGE by Yeh, Webber 8-Nov-2010

SHEET 48 OF 50

# POWER BOARD



**INVENTEC**

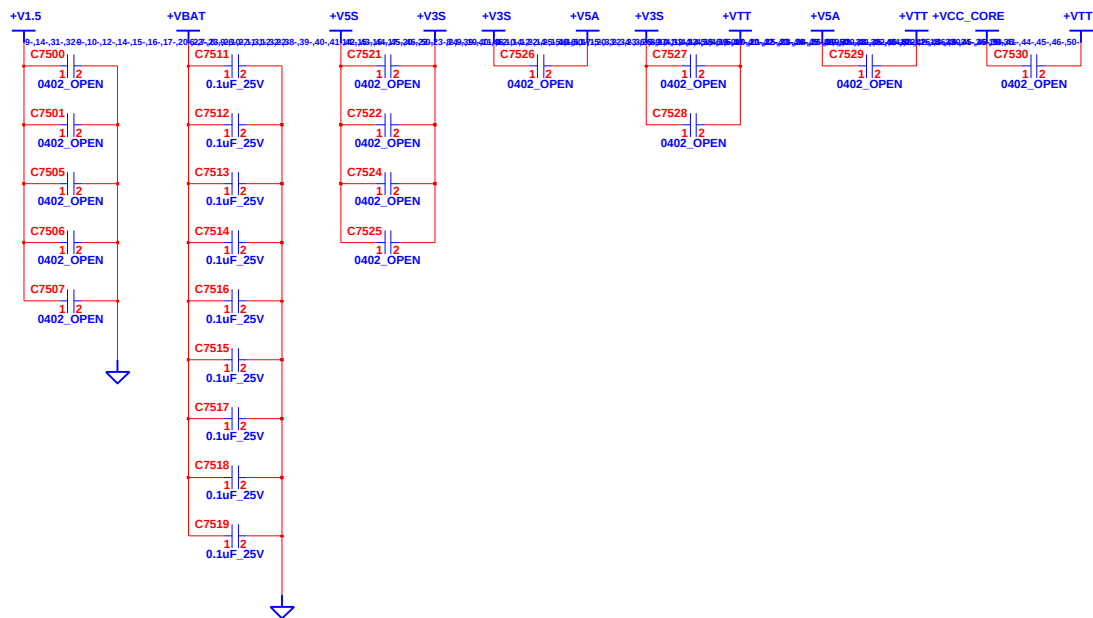
TITLE  
**CT10R**

| SIZE | CODE | DOC. NUMBER       | REV  |
|------|------|-------------------|------|
| A3   | CS   | 1310A2423901-0-MT | MAX1 |

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SHEET 49 OF 50

# EMI



**INVENTEC**

TITLE  
**CT10R**

| SIZE | CODE | DOC. NUMBER       | REV  |
|------|------|-------------------|------|
| A3   | CS   | 1310A2423901-0-MT | MAX1 |

CHANGE by Yeh, Webber 8-Nov-2010

SHEET 50 OF 50