

# Calcutta 10

## MP Build (A01)

2010.05.10

| INVENTEC                   |            |                                |           |
|----------------------------|------------|--------------------------------|-----------|
| TITLE<br>Calcutta 10       |            |                                |           |
| SIZE<br>A3                 | CODE<br>CS | DOC. NUMBER<br>I310A23575-0-MT | REV<br>RA |
| CHANGE by<br>Chen, Stanley |            | 10-May-2010                    |           |
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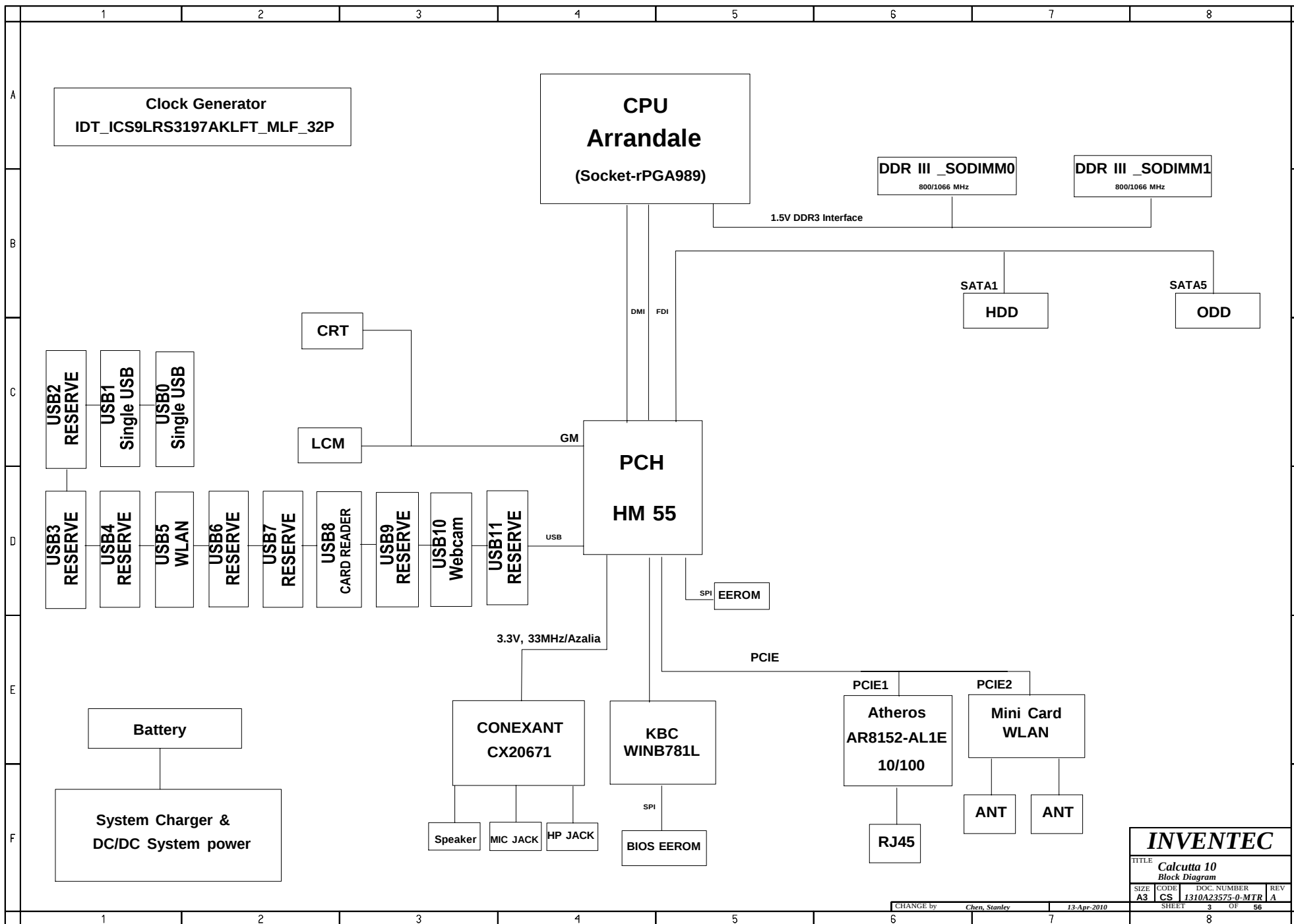
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| A3                | CS   | 1310A2357-0-MTR | A     |
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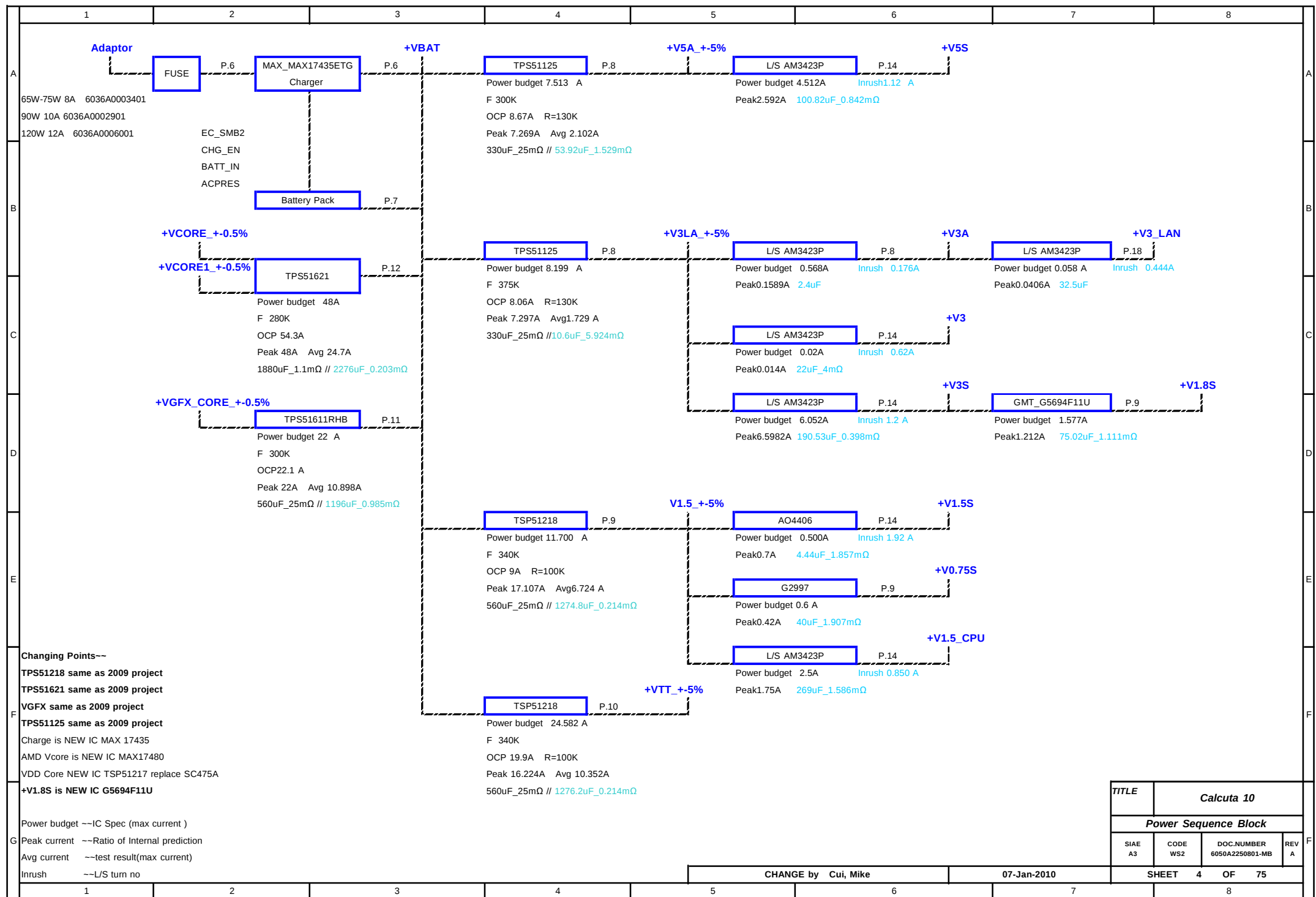


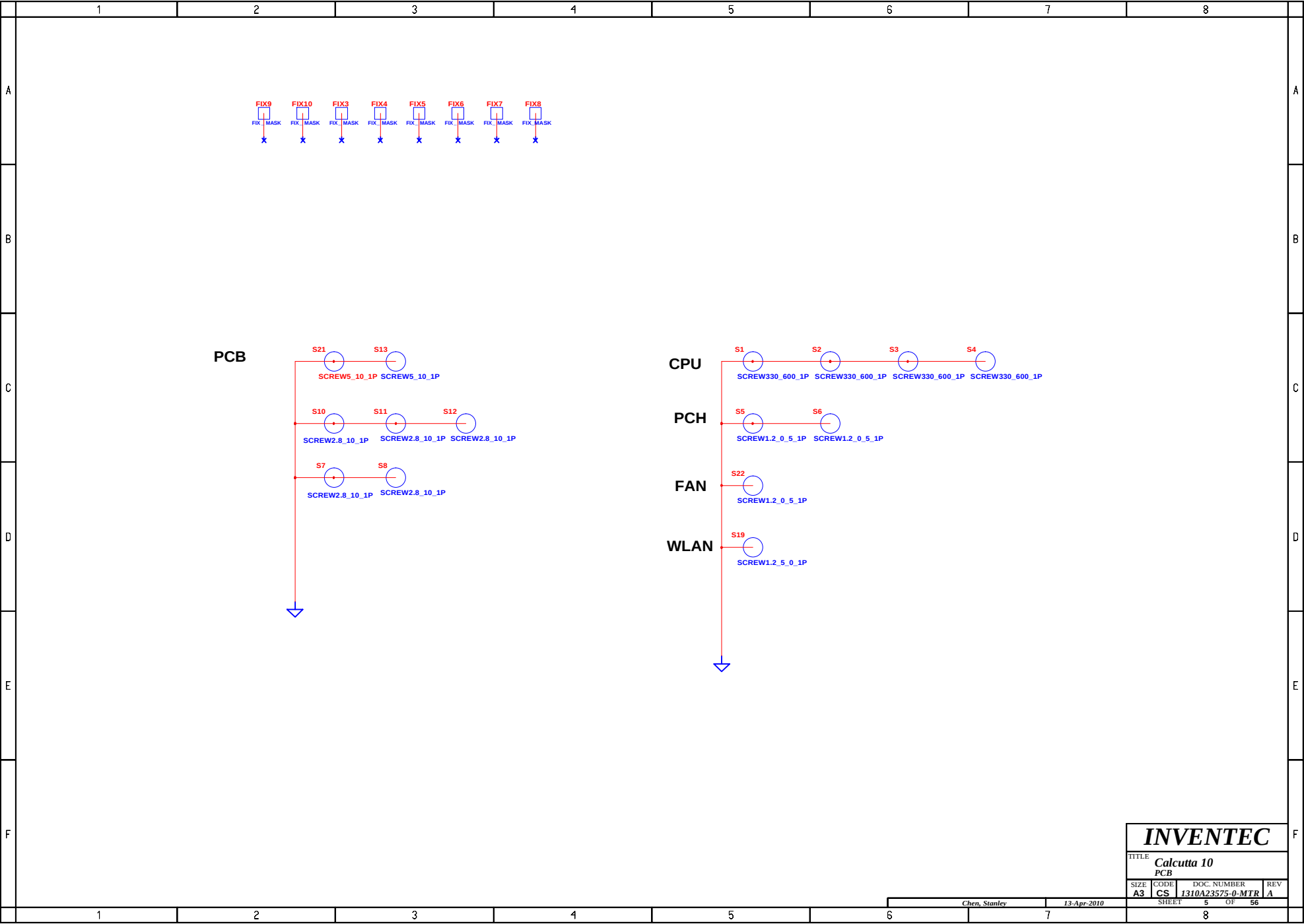
**INVENTEC**

|               |      |                  |     |
|---------------|------|------------------|-----|
| TITLE         |      |                  |     |
| Calcutta 10   |      |                  |     |
| Block Diagram |      |                  |     |
| SIZE          | CODE | DOC. NUMBER      | REV |
| A3            | CS   | 1310A23575-0-MTR | A   |

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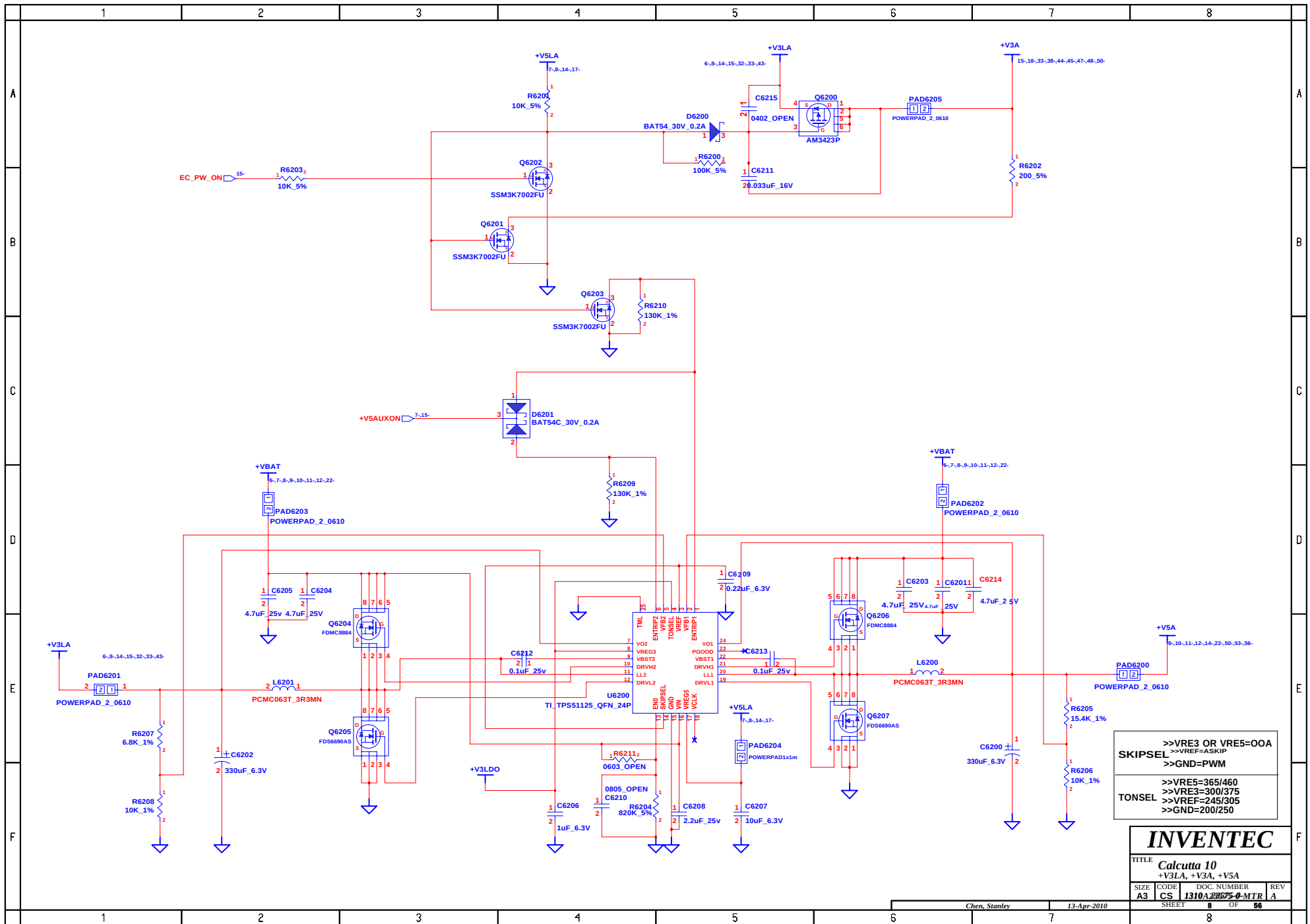








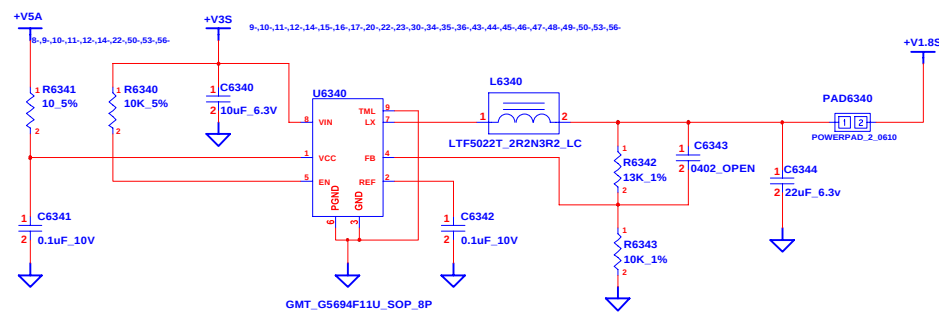
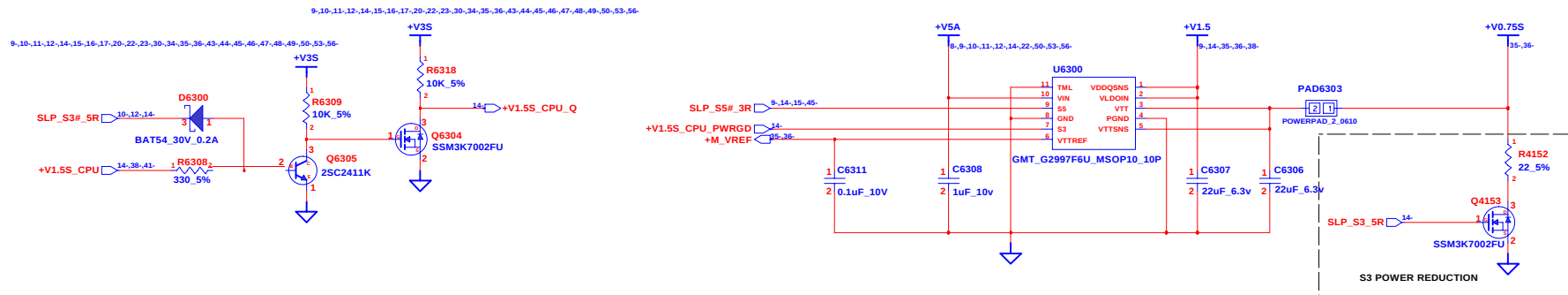
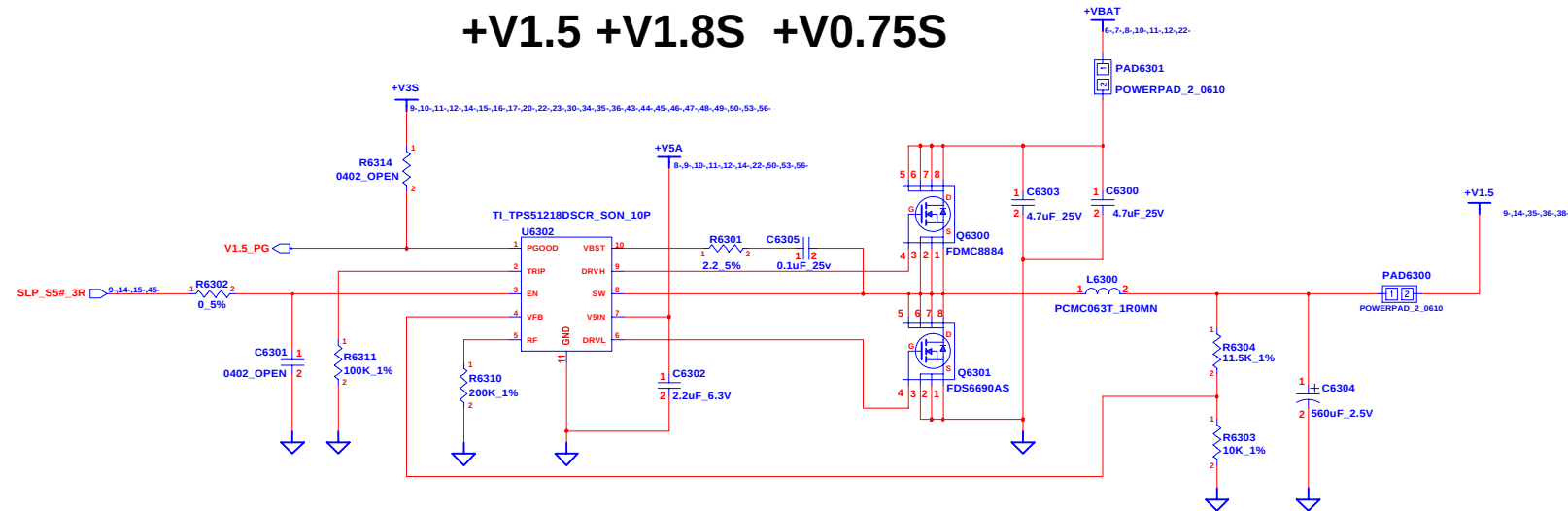
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|-----------|----------------------|-------------|
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|-----------|----------------------|-------------|



>>VRE3 OR VRE5=00A  
 >>VREF=ASKIP  
 >>GND=PWM  
 >>VRE5=365/460  
 >>VRE3=300/375  
 TONSEL >>VREF=245/305  
 >>GND=200/250

| INVENTEC          |      |                 |       |  |
|-------------------|------|-----------------|-------|--|
| TITLE             |      |                 |       |  |
| Calcutta 10       |      |                 |       |  |
| +V3LA, +V3A, +V5A |      |                 |       |  |
| SIZE              | CODE | DOC. NUMBER     | REV   |  |
| A3                | CS   | 1310A2355-0-MTR | A     |  |
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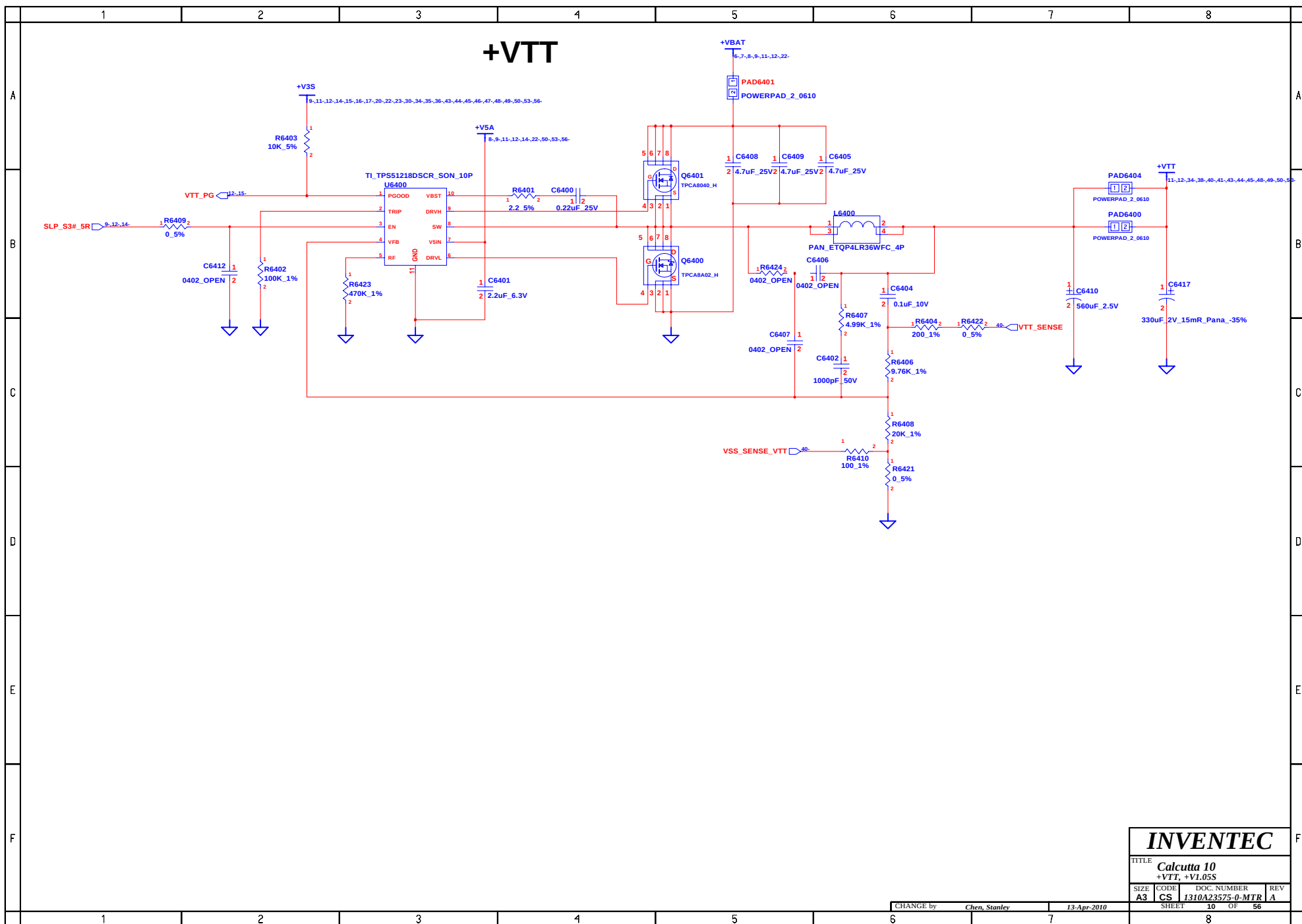
# +V1.5 +V1.8S +V0.75S



| INVENTEC                                       |            |                                 |          |
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| TITLE<br>Calcutta 10<br>+V1.5, +V1.8S, +V0.75S |            |                                 |          |
| SIZE<br>A3                                     | CODE<br>CS | DOC. NUMBER<br>1310A28575-0-MTR | REV<br>A |
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13-Apr-2010







|   |                  |   |   |   |   |   |   |   |   |
|---|------------------|---|---|---|---|---|---|---|---|
|   | 1                | 2 | 3 | 4 | 5 | 6 | 7 | 8 |   |
| A | <div>BLANK</div> |   |   |   |   |   |   |   | A |
| B |                  |   |   |   |   |   |   |   | B |
| C |                  |   |   |   |   |   |   |   | C |
| D |                  |   |   |   |   |   |   |   | D |
| E |                  |   |   |   |   |   |   |   | E |
| F |                  |   |   |   |   |   |   |   | F |
|   | 1                | 2 | 3 | 4 | 5 | 6 | 7 | 8 |   |

INVENTEC

TITLE  
Calcutta 10

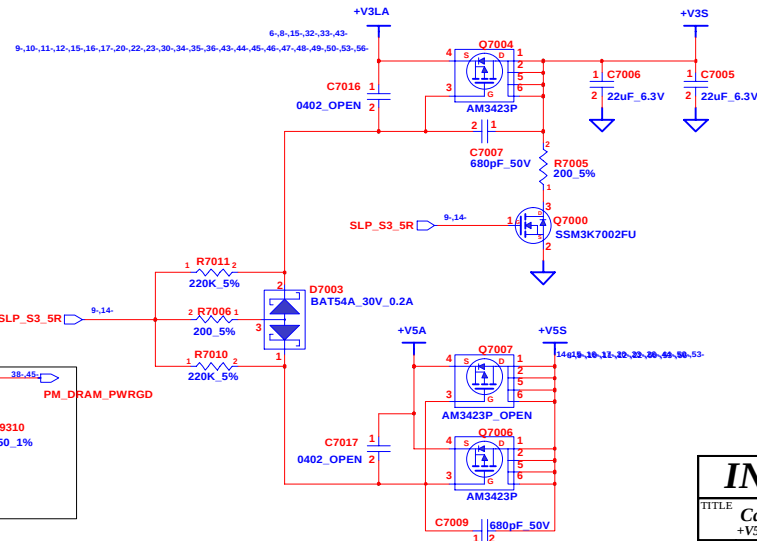
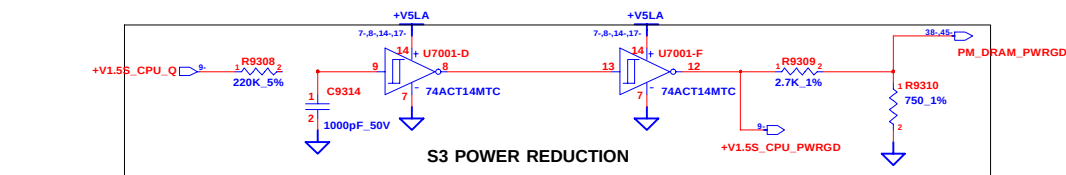
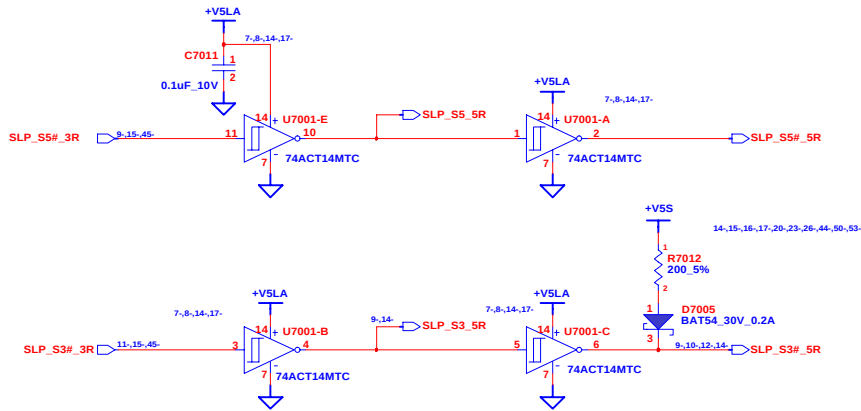
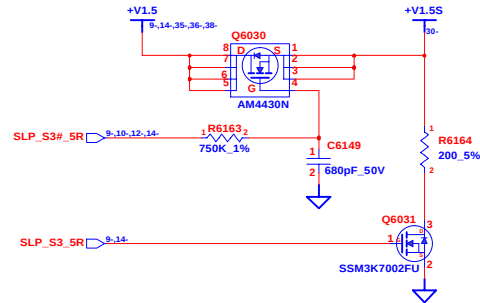
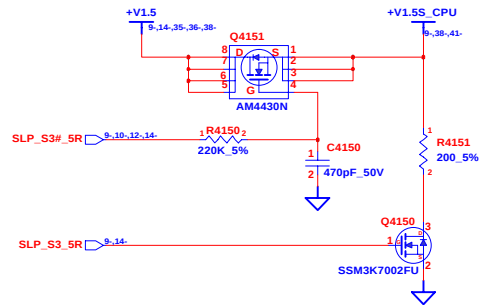
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|-------|----|----|----|
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|-------|----|----|----|

# +V5S +V3S +V1.5S +V1.5S\_CPU

## S3 POWER REDUCTION

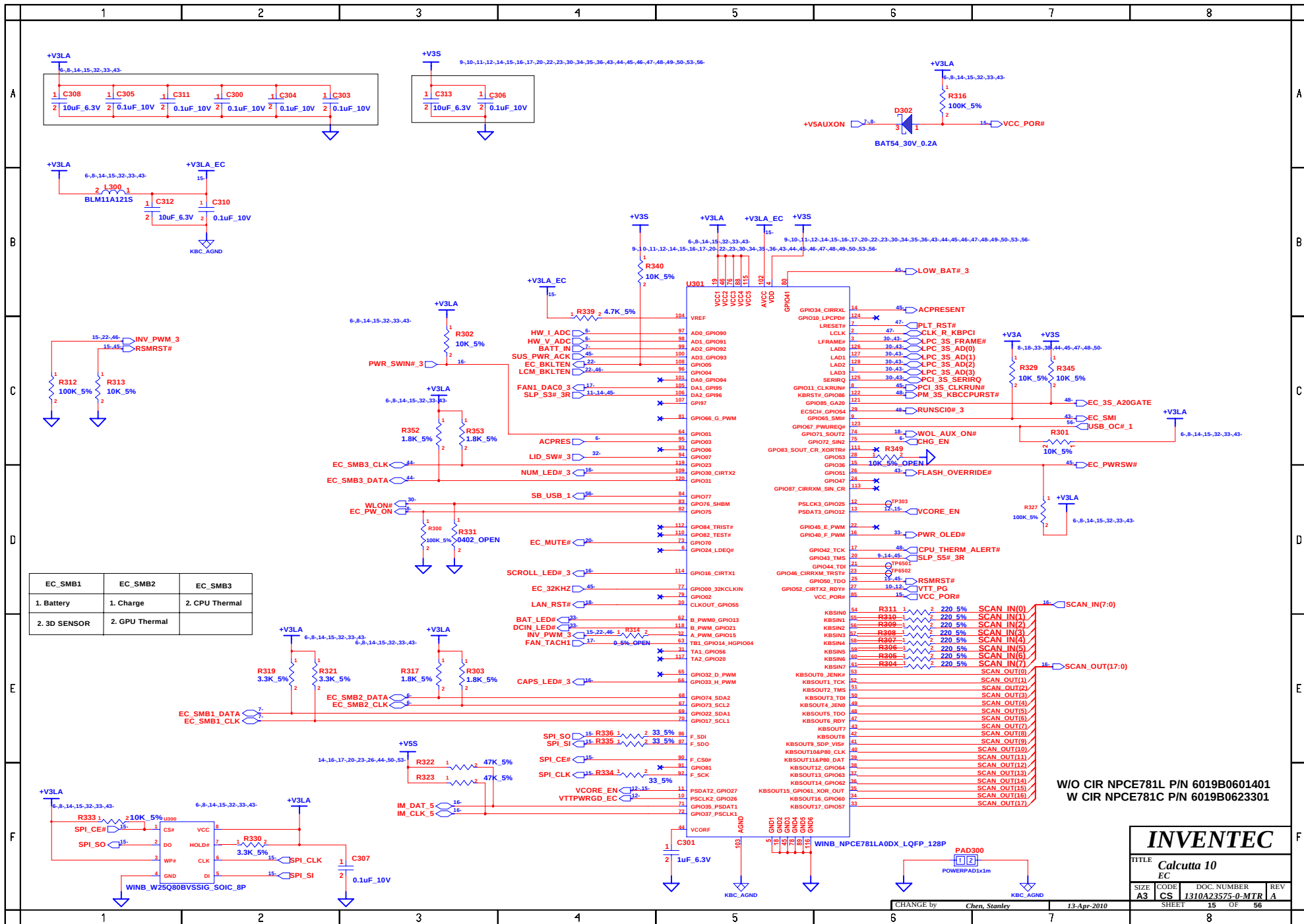


**INVENTEC**

|                  |      |                  |     |
|------------------|------|------------------|-----|
| TITLE            |      |                  |     |
| Calcutta 10      |      |                  |     |
| +V5S +V3S +V1.5S |      |                  |     |
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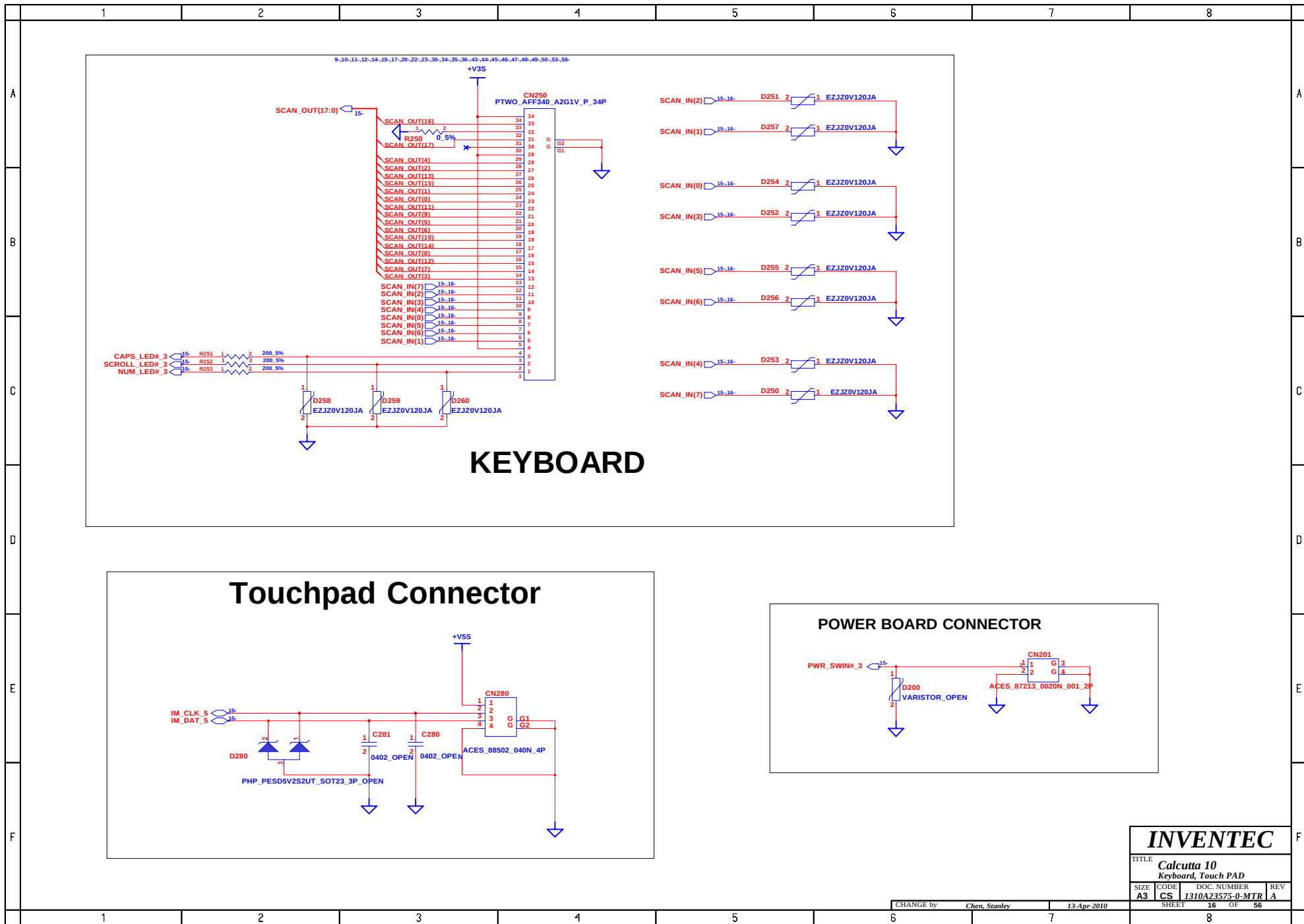
| EC_SMB1      | EC_SMB2        | EC_SMB3        |
|--------------|----------------|----------------|
| 1. Battery   | 1. Charge      | 2. CPU Thermal |
| 2. 3D SENSOR | 2. GPU Thermal |                |

W/O CIR NPCE781L P/N 6019B0601401  
W CIR NPCE781C P/N 6019B0623301

**INVENTEC**

|             |            |                                 |          |
|-------------|------------|---------------------------------|----------|
| TITLE<br>EC |            |                                 |          |
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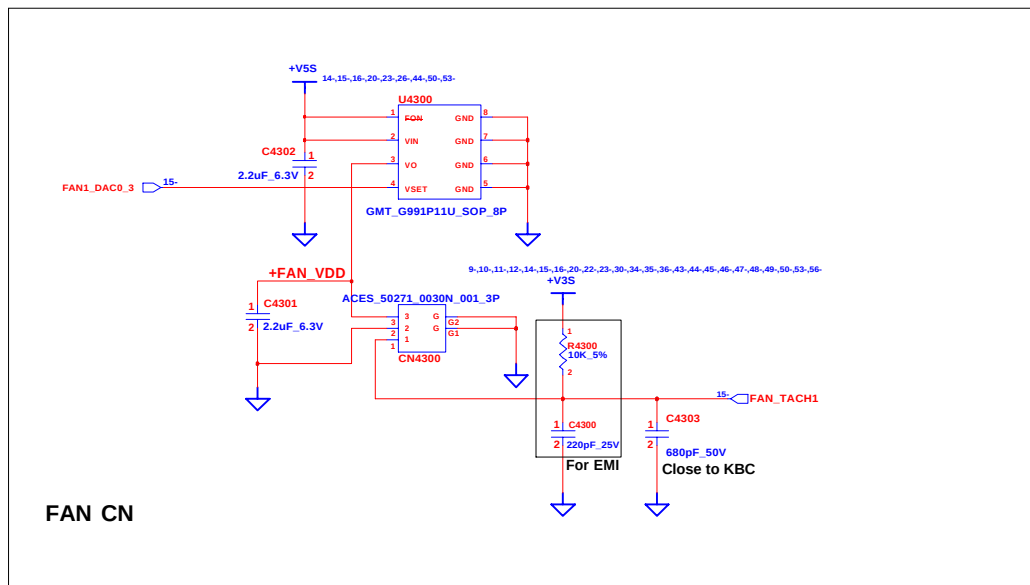
**INVENTEC**

TITLE  
**Calcutta 10**  
Keyboard, Touch PAD

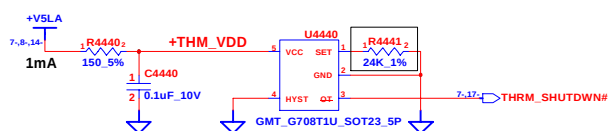
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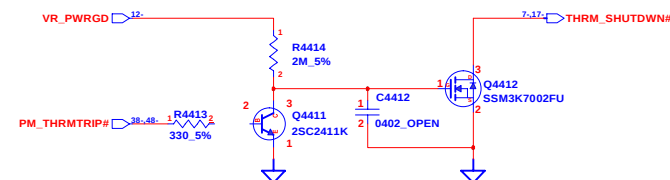
## Board Thermal Sensor



Thermal shutdown at 85 C ° +/- 3 C ° from 60 C ° to 100 C °

$$RSET = 0.0012 * T^2 - 0.9308 * T + 96.147$$

Hysteresis is 30C



**INVENTEC**

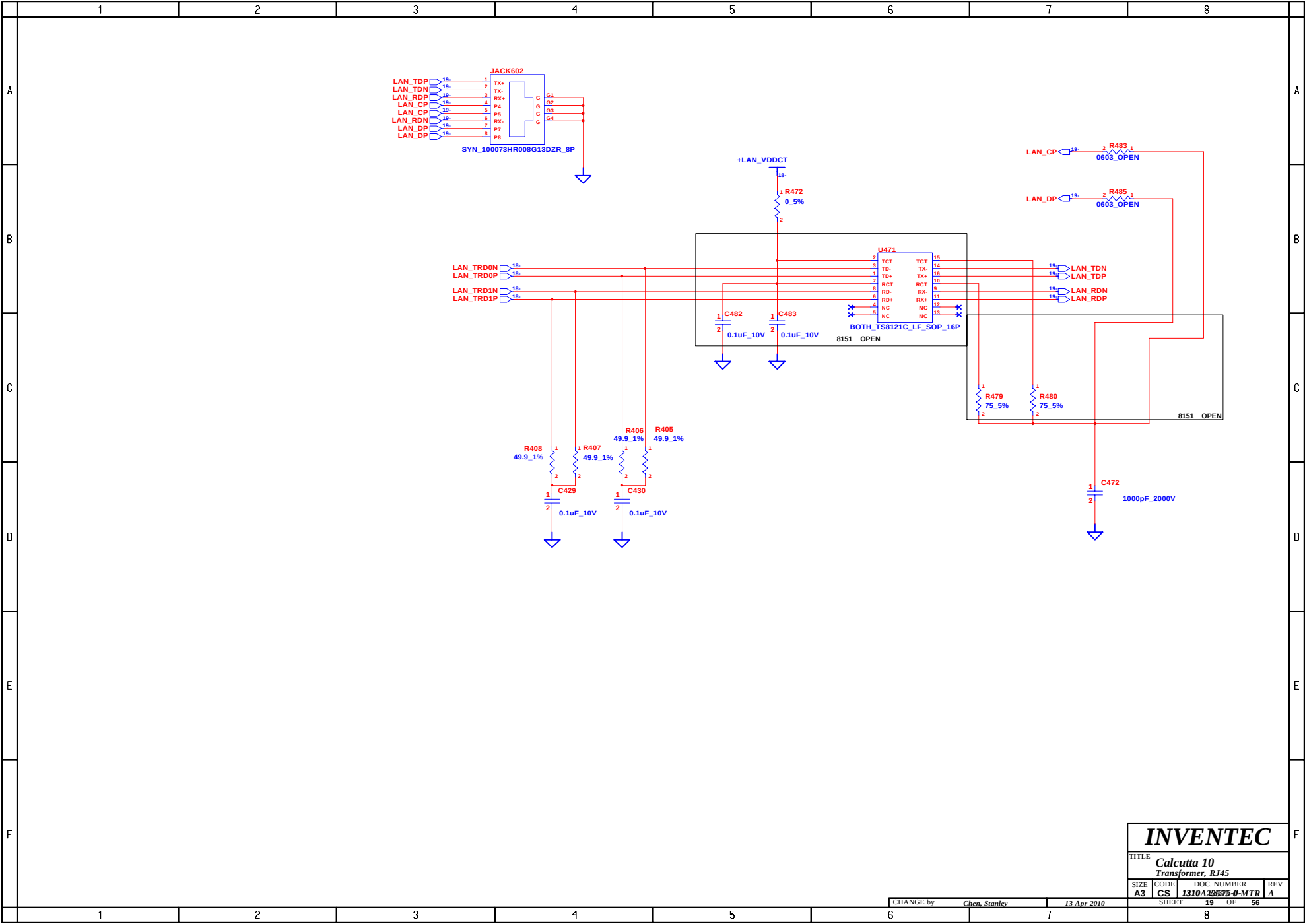
TITLE  
**Calcutta 10**  
FAN, Thermal controller

| SIZE | CODE | DOC. NUMBER      | REV |
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| A3   | CS   | 1310A23575-0-MTR | A   |

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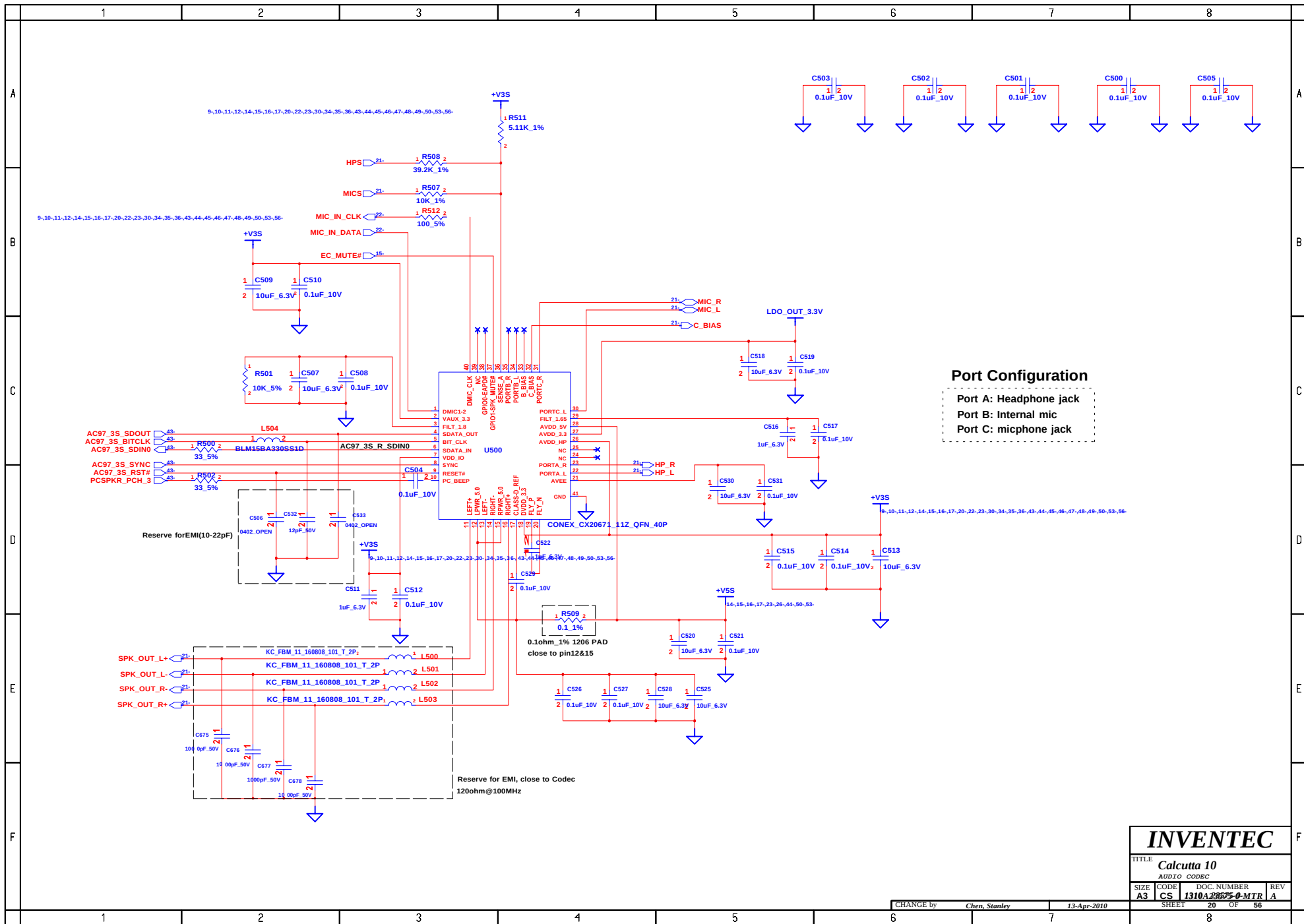
# INVENTEC

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**Calcutta 10**  
Transformer, RJ45

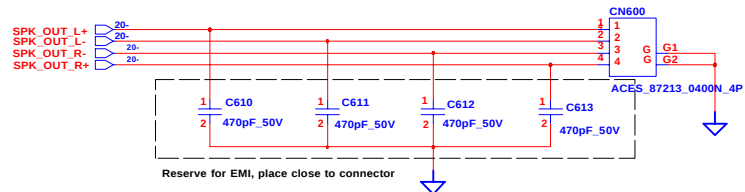
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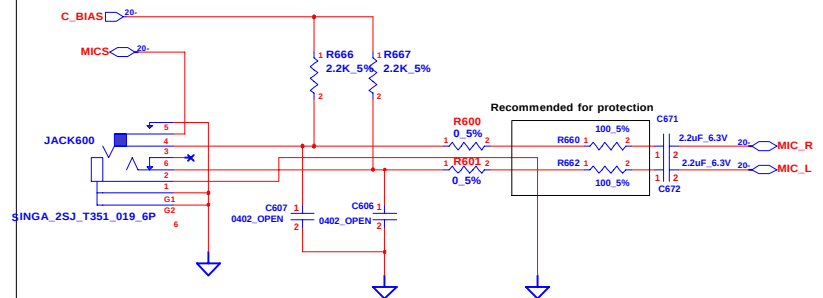


## INTERNAL SPEAKERS

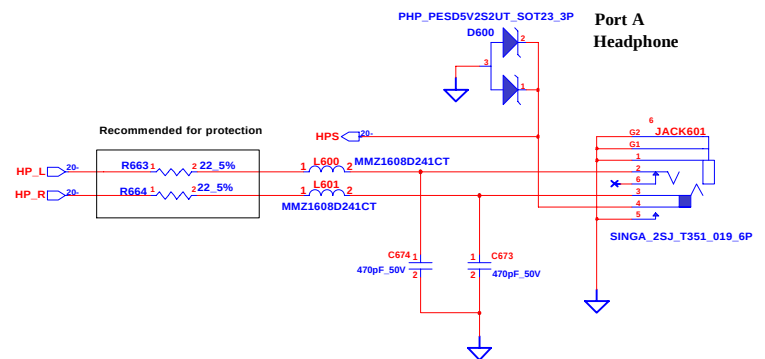


## AUDIO JACKS

Port C  
External microphone



Port A  
Headphone



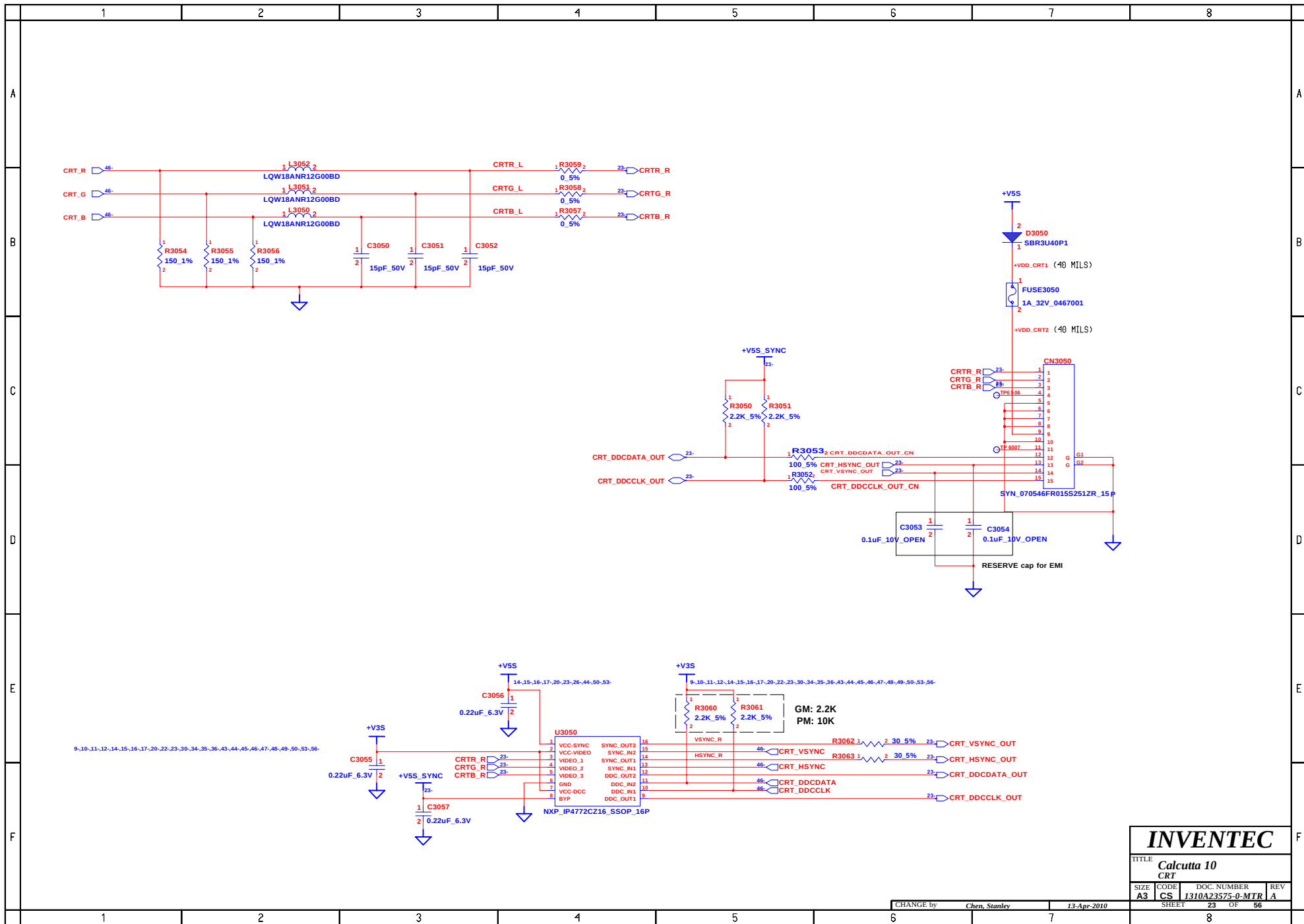
**INVENTEC**

|                           |      |                 |     |
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| TITLE                     |      |                 |     |
| Calcutta 10<br>AUDIO JACK |      |                 |     |
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| A3                        | CS   | 1310A2357-0-MTR | A   |

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|             |      |                  |       |
|-------------|------|------------------|-------|
| TITLE       |      |                  |       |
| Calcutta 10 |      |                  |       |
| CRT         |      |                  |       |
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|---|------------------|---|---|---|---|---|---|---|---|
|   | 1                | 2 | 3 | 4 | 5 | 6 | 7 | 8 |   |
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| B |                  |   |   |   |   |   |   |   | B |
| C |                  |   |   |   |   |   |   |   | C |
| D |                  |   |   |   |   |   |   |   | D |
| E |                  |   |   |   |   |   |   |   | E |
| F |                  |   |   |   |   |   |   |   | F |
|   | 1                | 2 | 3 | 4 | 5 | 6 | 7 | 8 |   |

INVENTEC

|                                   |      |                  |     |
|-----------------------------------|------|------------------|-----|
| TITLE                             |      |                  |     |
| Calcutta 10<br>HDMI LEVEL SHIFTER |      |                  |     |
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| B |                  |   |   |   |   |   |   |   | B |
| C |                  |   |   |   |   |   |   |   | C |
| D |                  |   |   |   |   |   |   |   | D |
| E |                  |   |   |   |   |   |   |   | E |
| F |                  |   |   |   |   |   |   |   | F |
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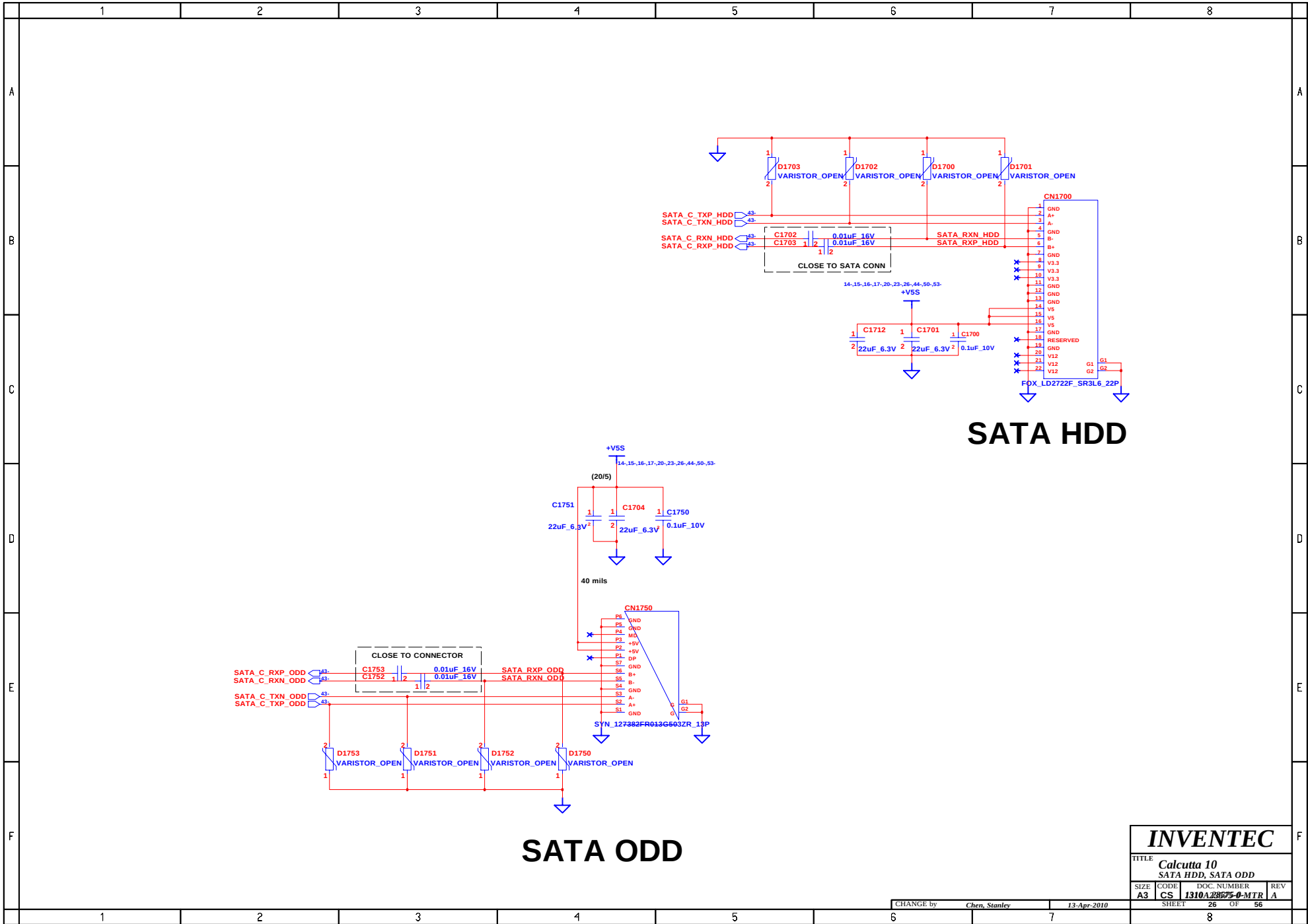
INVENTEC

TITLE  
Calcutta 10  
HDMI

|      |      |                  |     |
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| SIZE | CODE | DOC. NUMBER      | REV |
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|   |                  |   |   |   |   |   |   |   |   |
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| B |                  |   |   |   |   |   |   |   | B |
| C |                  |   |   |   |   |   |   |   | C |
| D |                  |   |   |   |   |   |   |   | D |
| E |                  |   |   |   |   |   |   |   | E |
| F |                  |   |   |   |   |   |   |   | F |
|   | 1                | 2 | 3 | 4 | 5 | 6 | 7 | 8 |   |

|                                                       |            |                                 |          |
|-------------------------------------------------------|------------|---------------------------------|----------|
| <b>INVENTEC</b>                                       |            |                                 |          |
| TITLE<br><i>Calcutta 10</i><br>CARD READER & USB CNTR |            |                                 |          |
| SIZE<br>A3                                            | CODE<br>CS | DOC. NUMBER<br>1310A23575-0-MTR | REV<br>A |
| CHANGE by<br>Chen, Stanley                            |            | 13-Apr-2010                     |          |
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|   |                  |   |   |   |   |   |   |   |   |
|---|------------------|---|---|---|---|---|---|---|---|
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| B |                  |   |   |   |   |   |   |   | B |
| C |                  |   |   |   |   |   |   |   | C |
| D |                  |   |   |   |   |   |   |   | D |
| E |                  |   |   |   |   |   |   |   | E |
| F |                  |   |   |   |   |   |   |   | F |
|   | 1                | 2 | 3 | 4 | 5 | 6 | 7 | 8 |   |

|                                           |            |                                |          |
|-------------------------------------------|------------|--------------------------------|----------|
| INVENTEC                                  |            |                                |          |
| TITLE<br>Calcutta 10<br>USB & eSATA COMBO |            |                                |          |
| SIZE<br>A3                                | CODE<br>CS | DOC. NUMBER<br>1310A2357-0-MTR | REV<br>A |
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|   |                  |   |   |   |   |   |   |   |   |
|---|------------------|---|---|---|---|---|---|---|---|
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| A | <div>BLANK</div> |   |   |   |   |   |   |   | A |
| B |                  |   |   |   |   |   |   |   | B |
| C |                  |   |   |   |   |   |   |   | C |
| D |                  |   |   |   |   |   |   |   | D |
| E |                  |   |   |   |   |   |   |   | E |
| F |                  |   |   |   |   |   |   |   | F |
|   | 1                | 2 | 3 | 4 | 5 | 6 | 7 | 8 |   |

|                                               |      |                  |       |
|-----------------------------------------------|------|------------------|-------|
| INVENTEC                                      |      |                  |       |
| TITLE <i>Calcutta 10</i><br><i>Blue Tooth</i> |      |                  |       |
| SIZE                                          | CODE | DOC. NUMBER      | REV   |
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|-----------|---------------|-------------|

The diagram illustrates the electrical connections between the CN1300 module and the BELLW\_80051\_1021\_52P connector. The module is powered by +V3S (800mA) and +V1.5S. It includes several capacitors (C1305, C1300, C1308, C1303, C1306, C1307) and a voltage regulator (Q1301). The connector pins are labeled with their functions, such as WAKE#, CLKREQ#, CLK\_PCIE\_WLAN#, BUF\_PLT\_RST#, CLK\_R\_PCI\_DEBUG, PCIE\_C\_RXN\_WLAN, PCIE\_C\_RXP\_WLAN, PCIE\_C\_TXN\_WLAN, PCIE\_C\_TXP\_WLAN, PCI\_3S\_SERIRQ, WAKE#, Reserved, CLKREQ#, REFCLK-, REFCLK+, Reserved, GND, Reserved, PERPn, PERPn, GND, SMB\_CLK, SMB\_DATA, GND, USB\_D+, USB\_D-, Reserved, LED\_WWAN, LED\_WLAN, LED\_WPAN, Reserved, 1.5V, GND, and 3.3V.

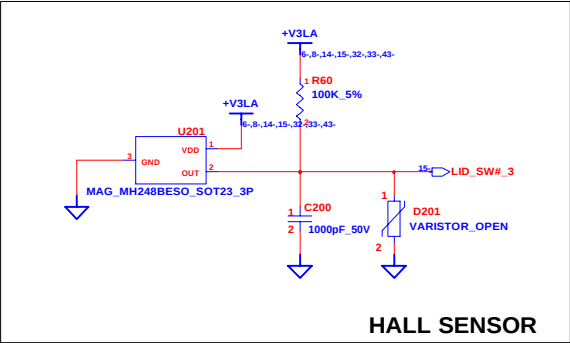
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| CHANGE by | <i>Chen, Stanley</i> | <i>13-Apr-2010</i> |
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|---|------------------|---|---|---|---|---|---|---|---|
|   | 1                | 2 | 3 | 4 | 5 | 6 | 7 | 8 |   |
| A | <div>BLANK</div> |   |   |   |   |   |   |   | A |
| B |                  |   |   |   |   |   |   |   | B |
| C |                  |   |   |   |   |   |   |   | C |
| D |                  |   |   |   |   |   |   |   | D |
| E |                  |   |   |   |   |   |   |   | E |
| F |                  |   |   |   |   |   |   |   | F |
|   | 1                | 2 | 3 | 4 | 5 | 6 | 7 | 8 |   |

|                          |      |                  |       |
|--------------------------|------|------------------|-------|
| INVENTEC                 |      |                  |       |
| TITLE <i>Calcutta 10</i> |      |                  |       |
| 3G                       |      |                  |       |
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|   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|
|   | 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 |   |



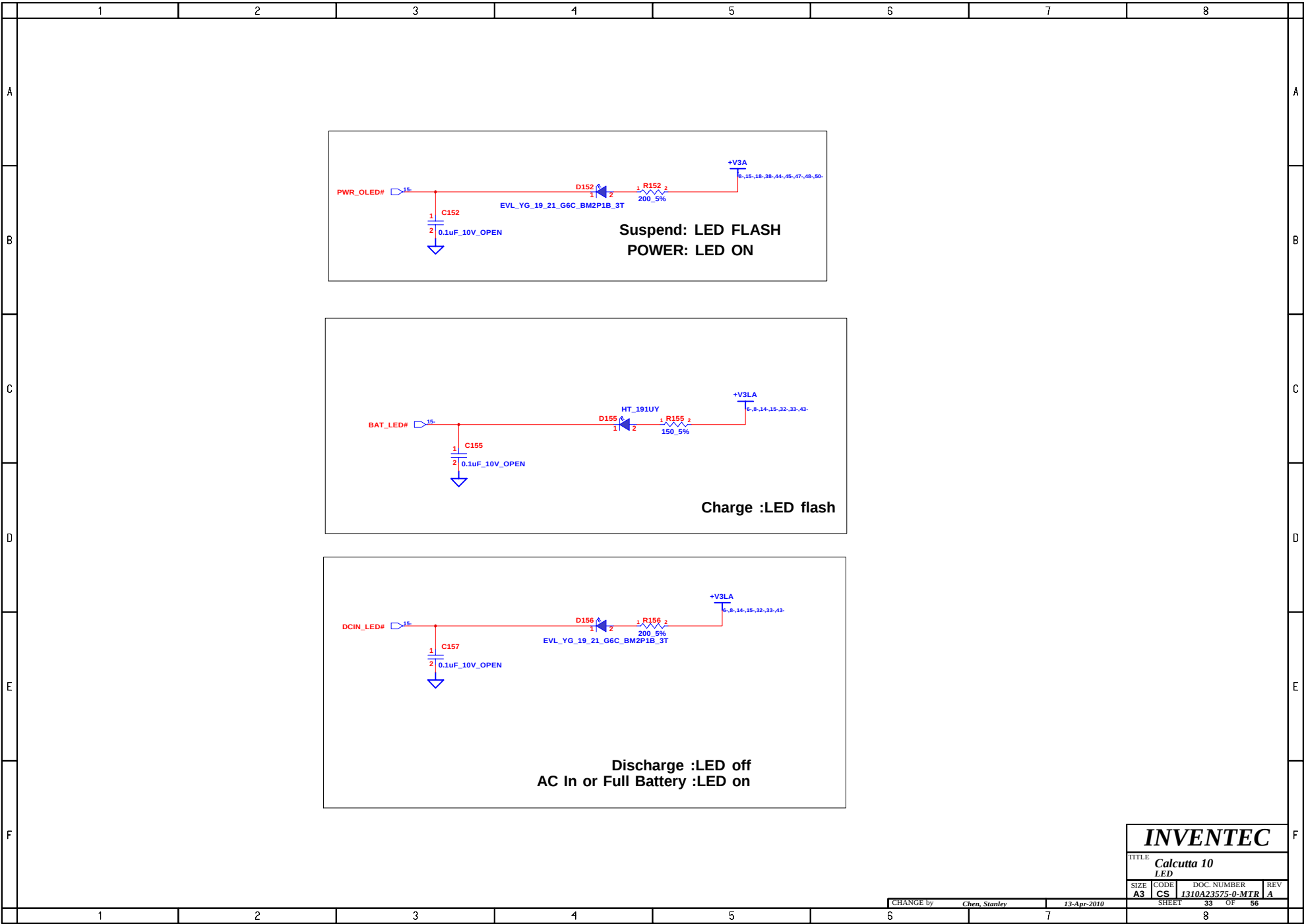
**INVENTEC**

TITLE  
**Calcutta 10**  
**Hall Sensor**

|      |      |                  |     |
|------|------|------------------|-----|
| SIZE | CODE | DOC. NUMBER      | REV |
| A3   | CS   | 1310A23575-0-MTR | A   |

CHANGE by *Chen, Stanley* 13-Apr-2010

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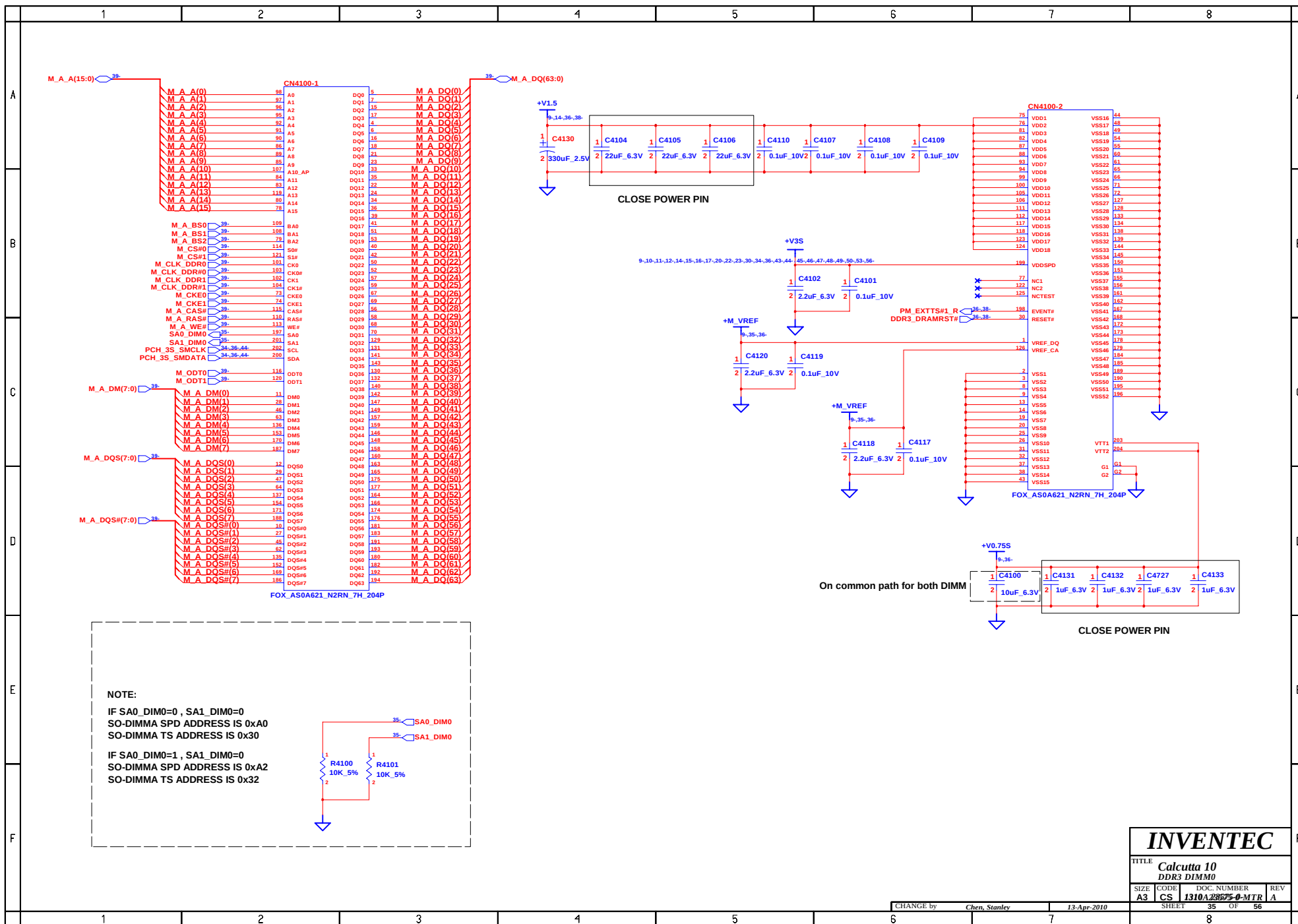
**INVENTEC**

|             |      |                  |     |
|-------------|------|------------------|-----|
| TITLE       |      |                  |     |
| Calcutta 10 |      |                  |     |
| LED         |      |                  |     |
| SIZE        | CODE | DOC. NUMBER      | REV |
| A3          | CS   | 1310A23575-0-MTR | A   |

CHANGE by Chen, Stanley 13-Apr-2010

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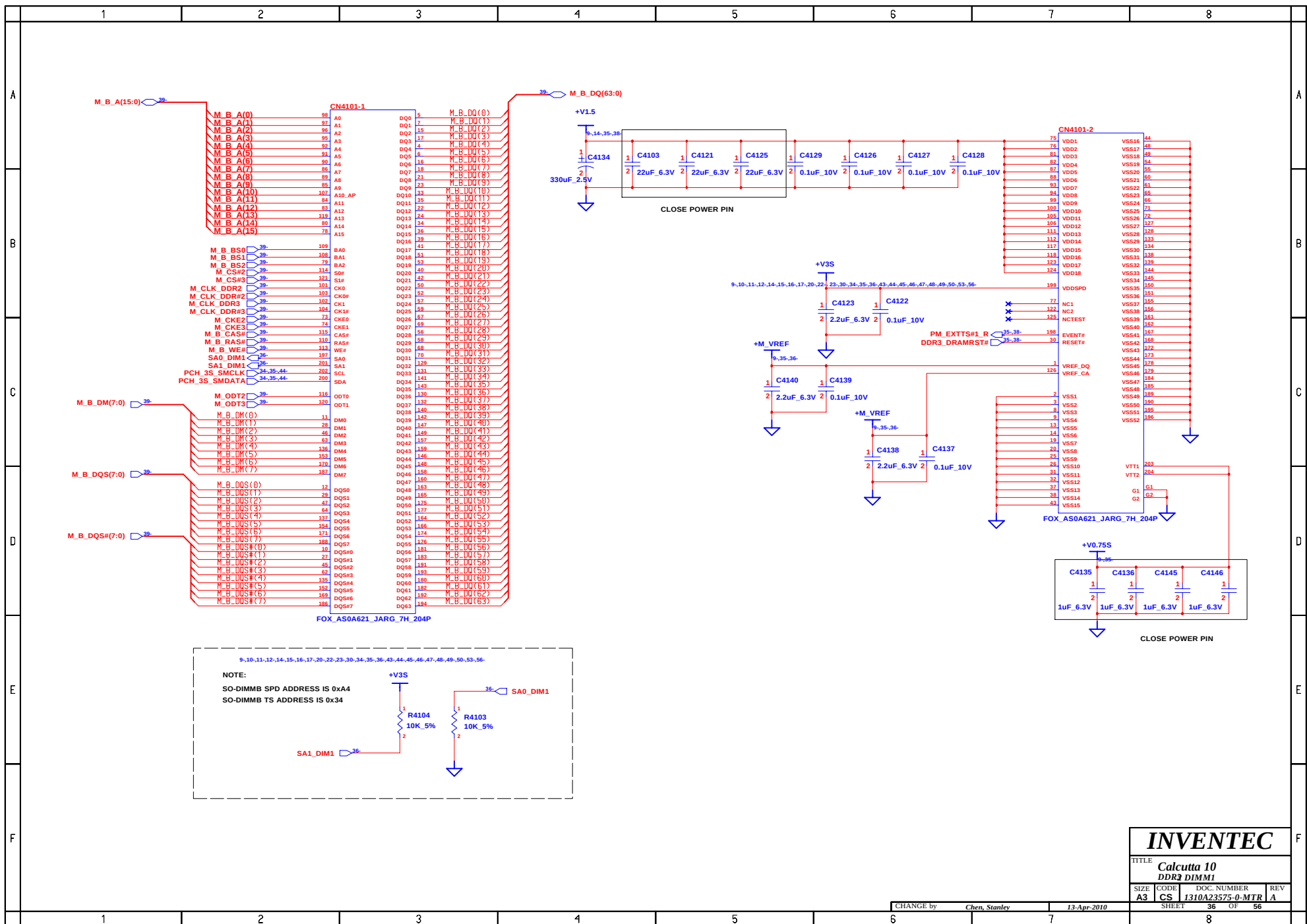


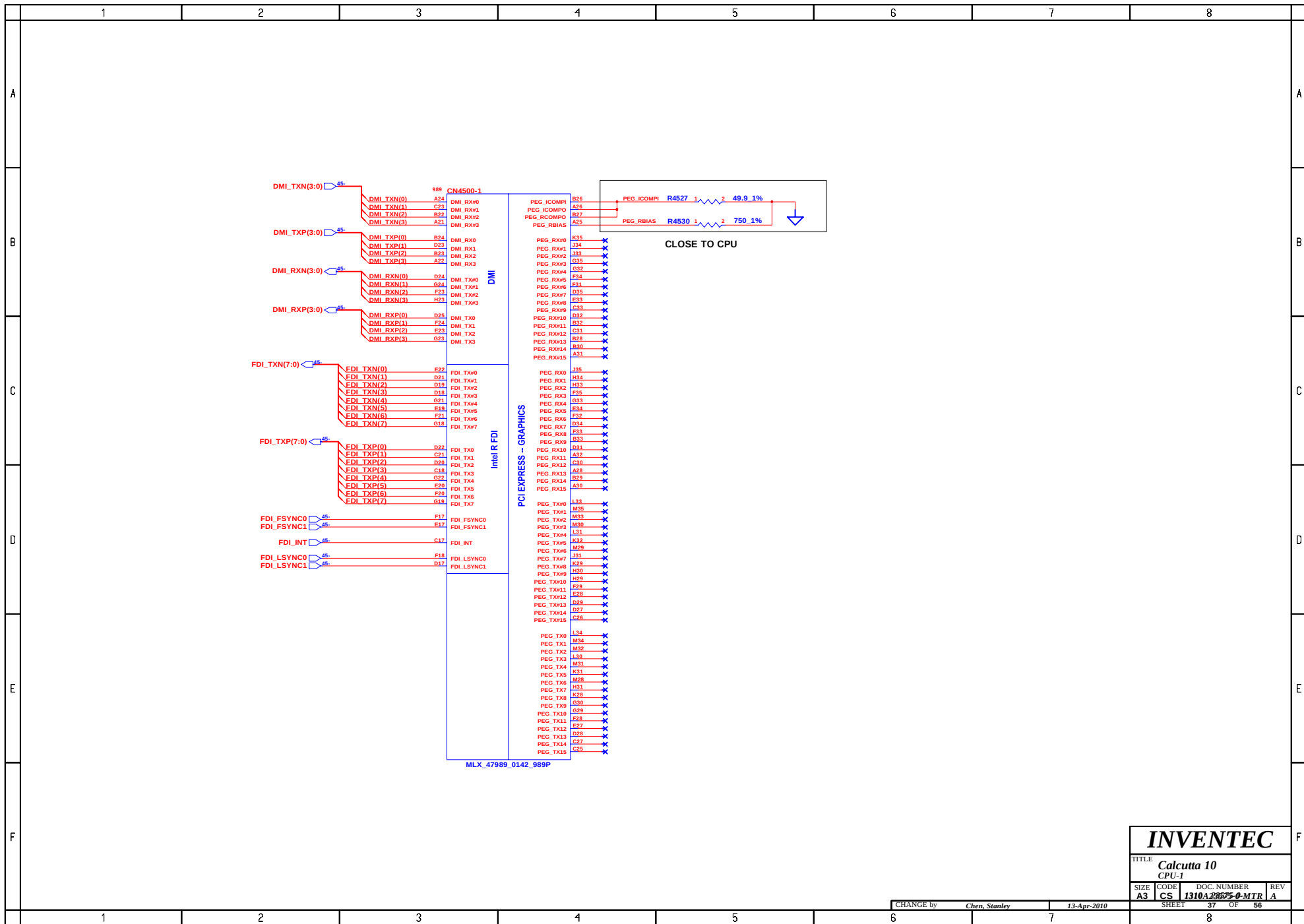


**INVENTEC**

|             |      |                 |       |
|-------------|------|-----------------|-------|
| TITLE       |      |                 |       |
| Calcutta 10 |      |                 |       |
| DDR3 DIMM0  |      |                 |       |
| SIZE        | CODE | DOC. NUMBER     | REV   |
| A3          | CS   | 1310A2355-0-MTR | A     |
| SHEET       |      | 35              | OF 56 |

CHANGE by Chen, Stanley 13-Apr-2010





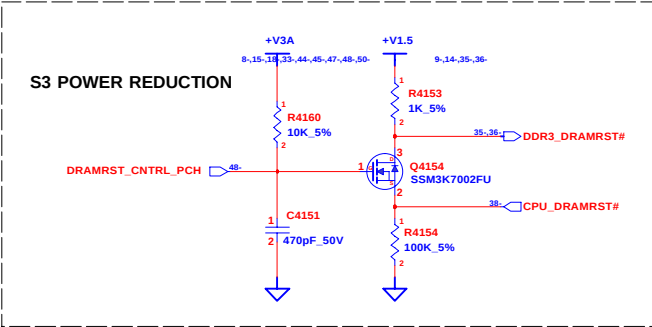
**INVENTEC**

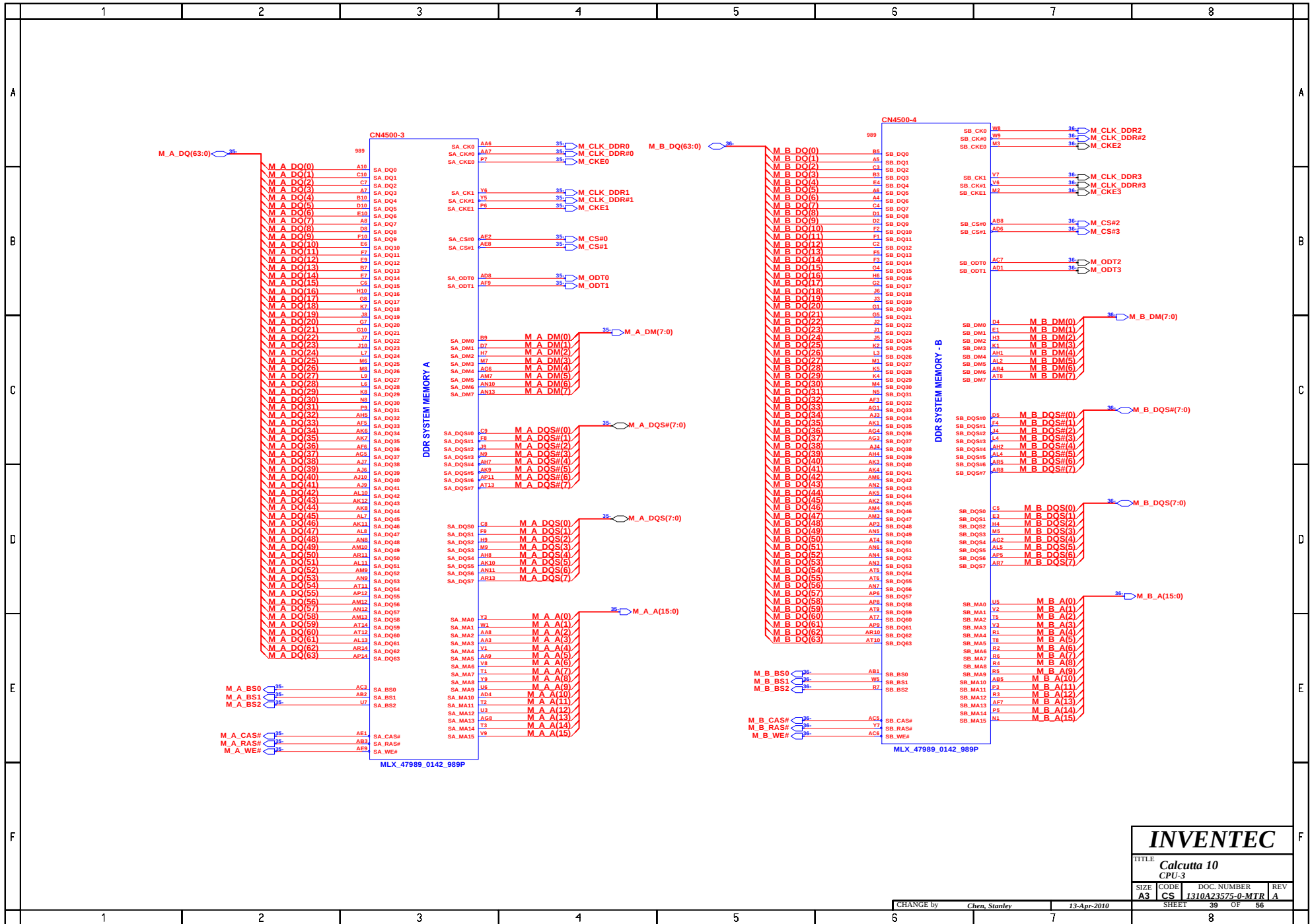
TITLE  
**Calcutta 10  
CPU-1**

| SIZE | CODE | DOC. NUMBER      | REV |
|------|------|------------------|-----|
| A3   | CS   | 1310A23575-0-MTR | A   |

CHANGE by **Chen, Stanley** 13-Apr-2010

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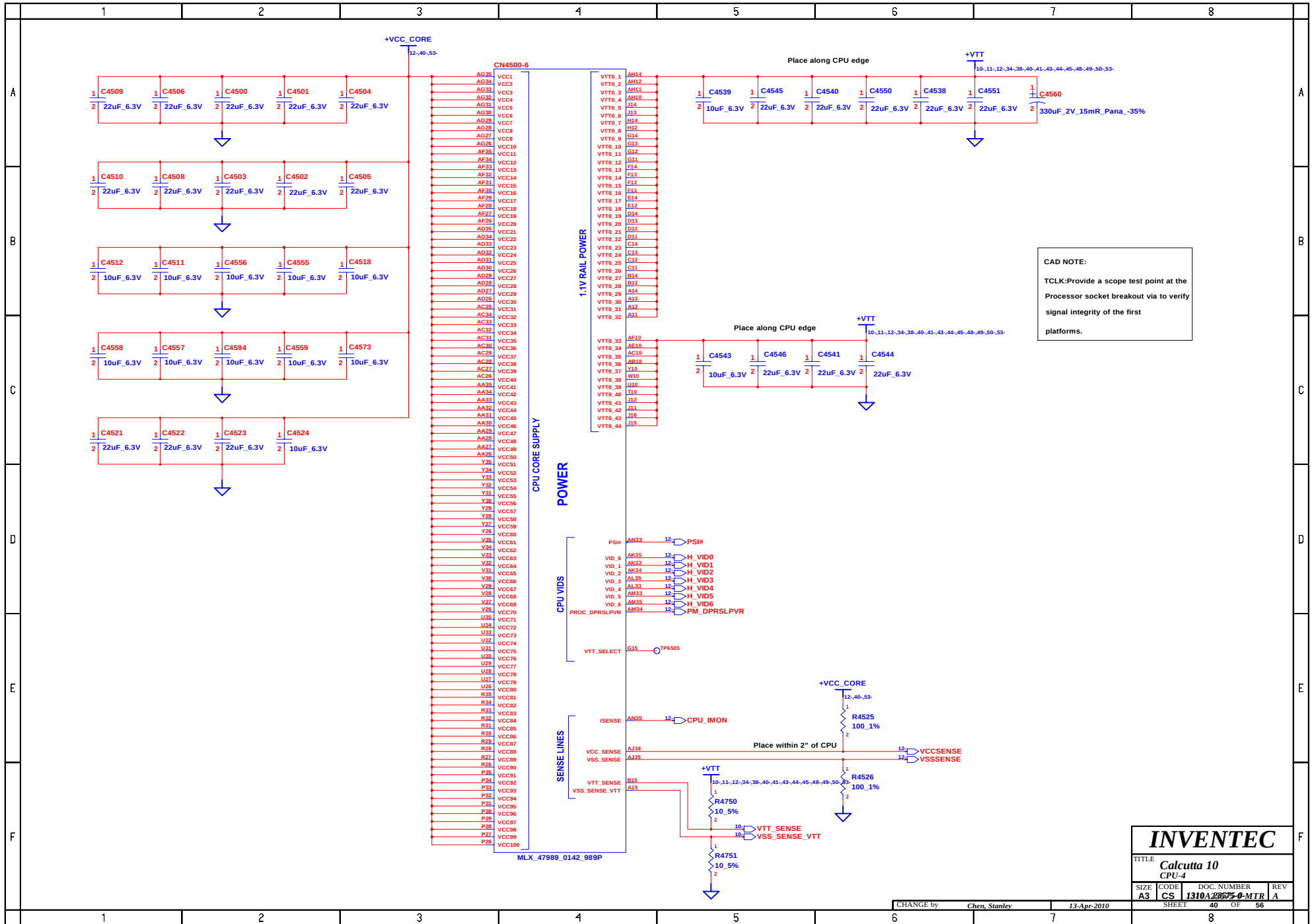


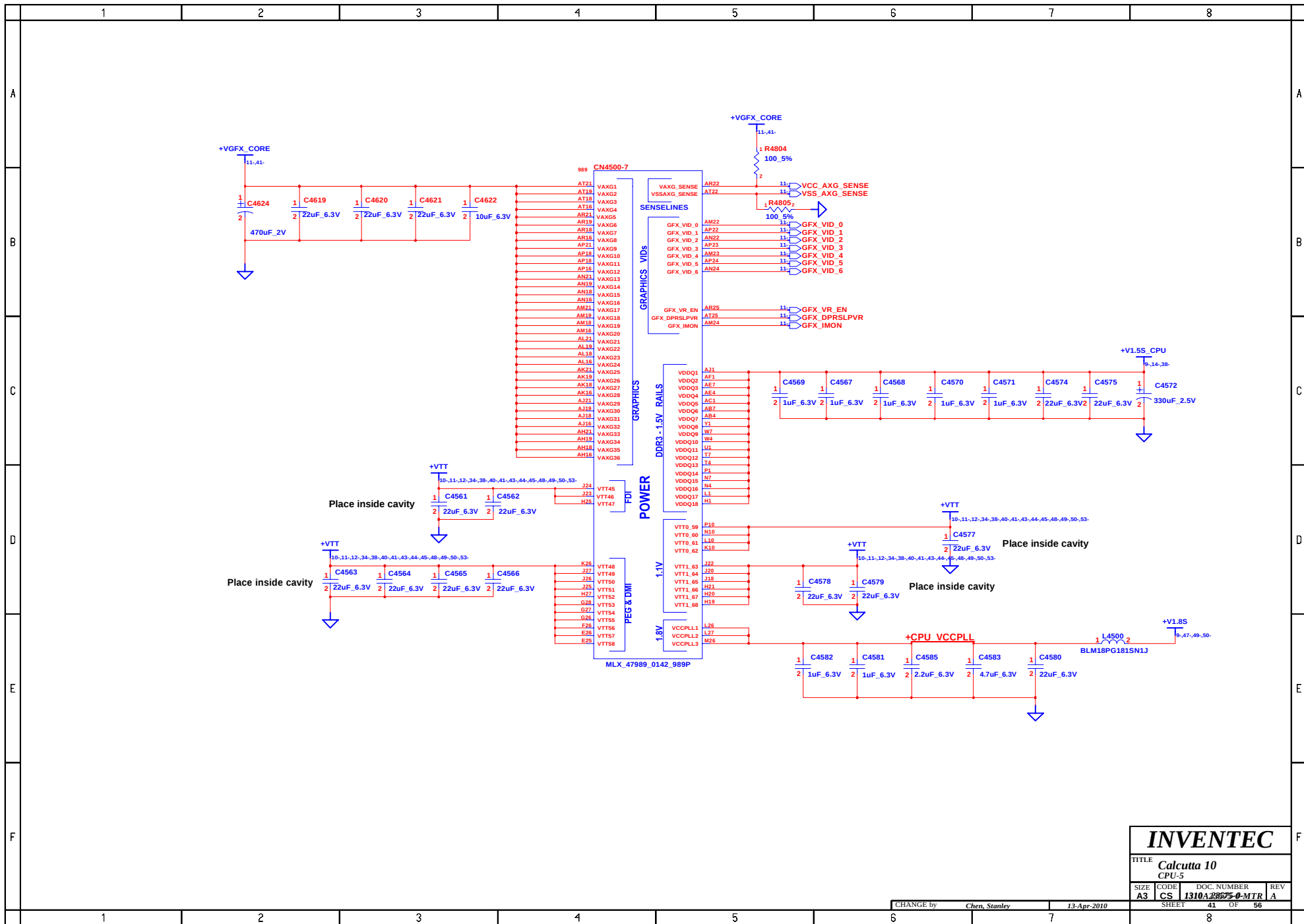
INVENTEC

|             |      |                  |     |
|-------------|------|------------------|-----|
| TITLE       |      |                  |     |
| Calcutta 10 |      |                  |     |
| CPU-3       |      |                  |     |
| SIZE        | CODE | DOC. NUMBER      | REV |
| A3          | CS   | 1310A23575-0-MTR | A   |

CHANGE by Chen, Stanley 13-Apr-2010

SHEET 39 OF 56



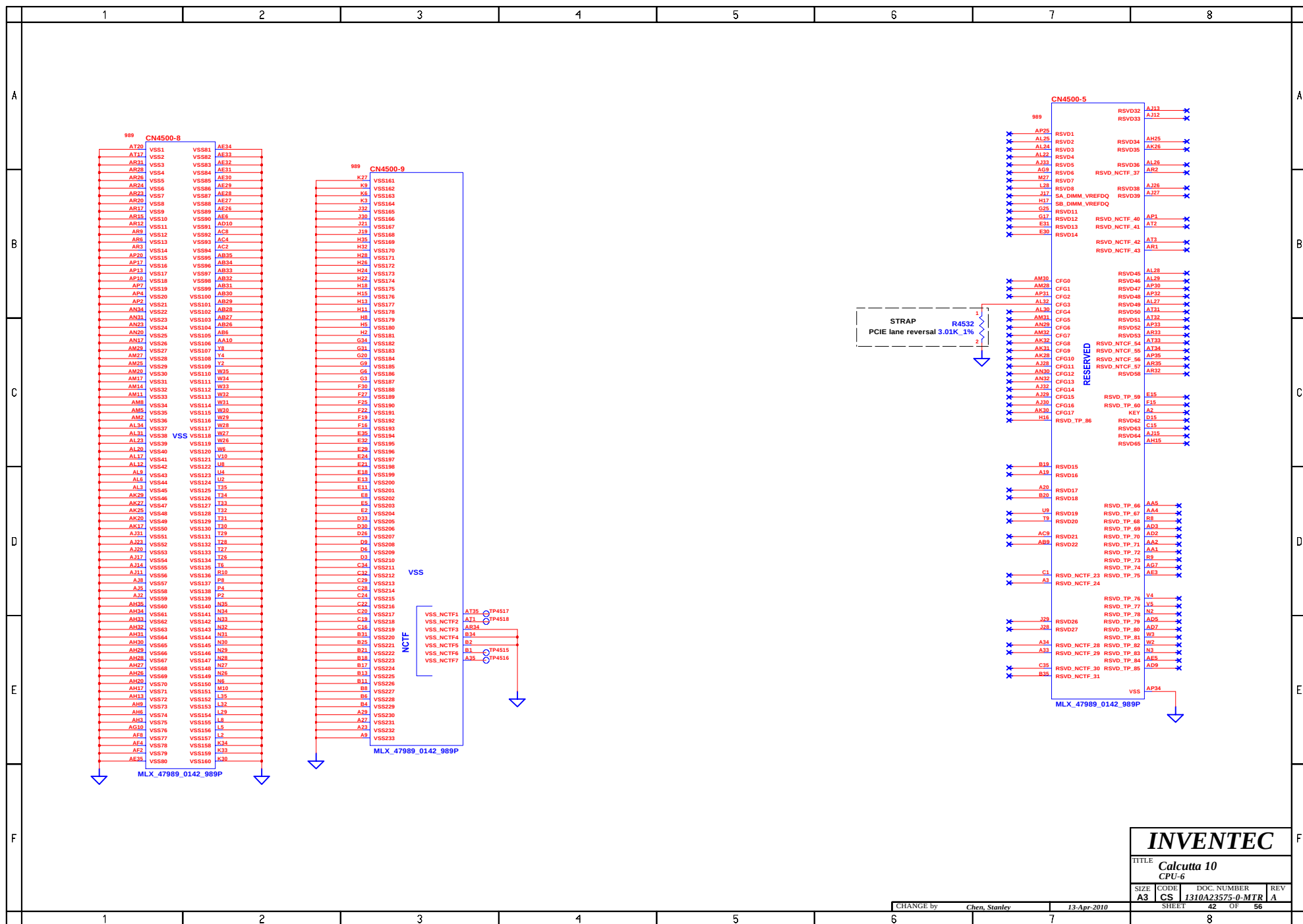


INVENTEC

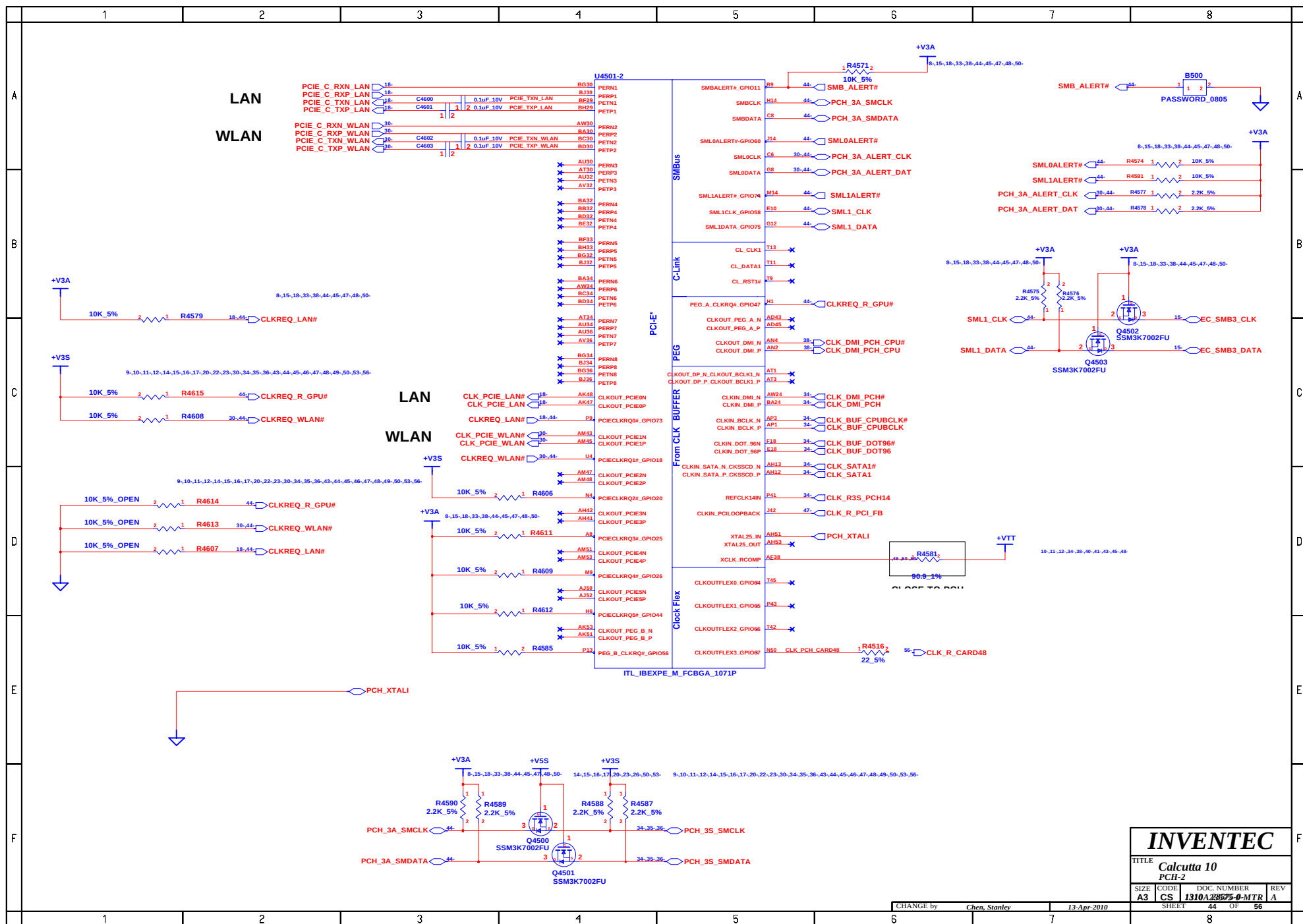
|             |      |                  |     |
|-------------|------|------------------|-----|
| TITLE       |      |                  |     |
| Calcutta 10 |      |                  |     |
| CPU-5       |      |                  |     |
| SIZE        | CODE | DOC. NUMBER      | REV |
| A3          | CS   | 1310A23575-0-MTR | A   |

CHANGE by Chen, Stanley 13-Apr-2010

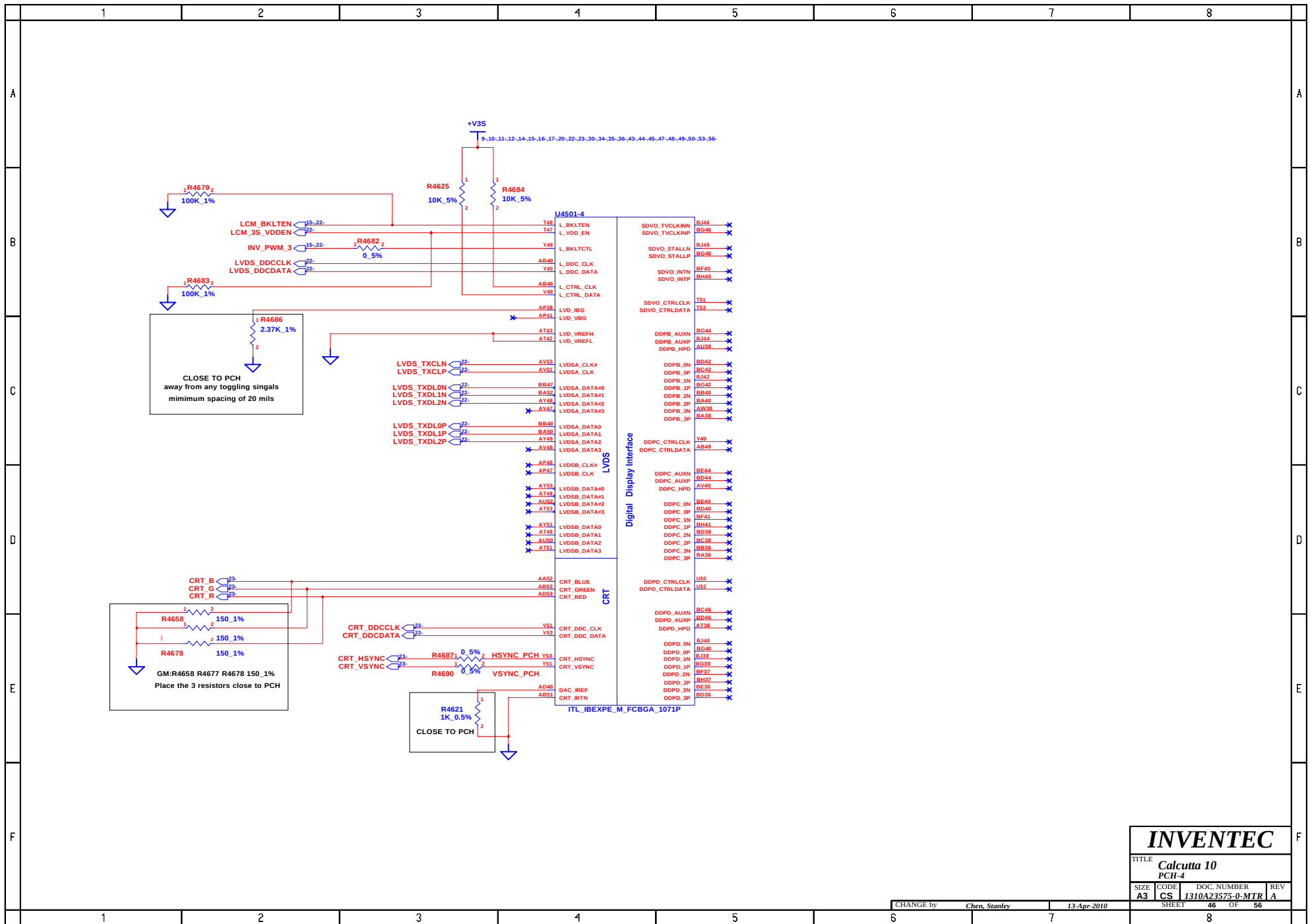
SHEET 41 OF 56



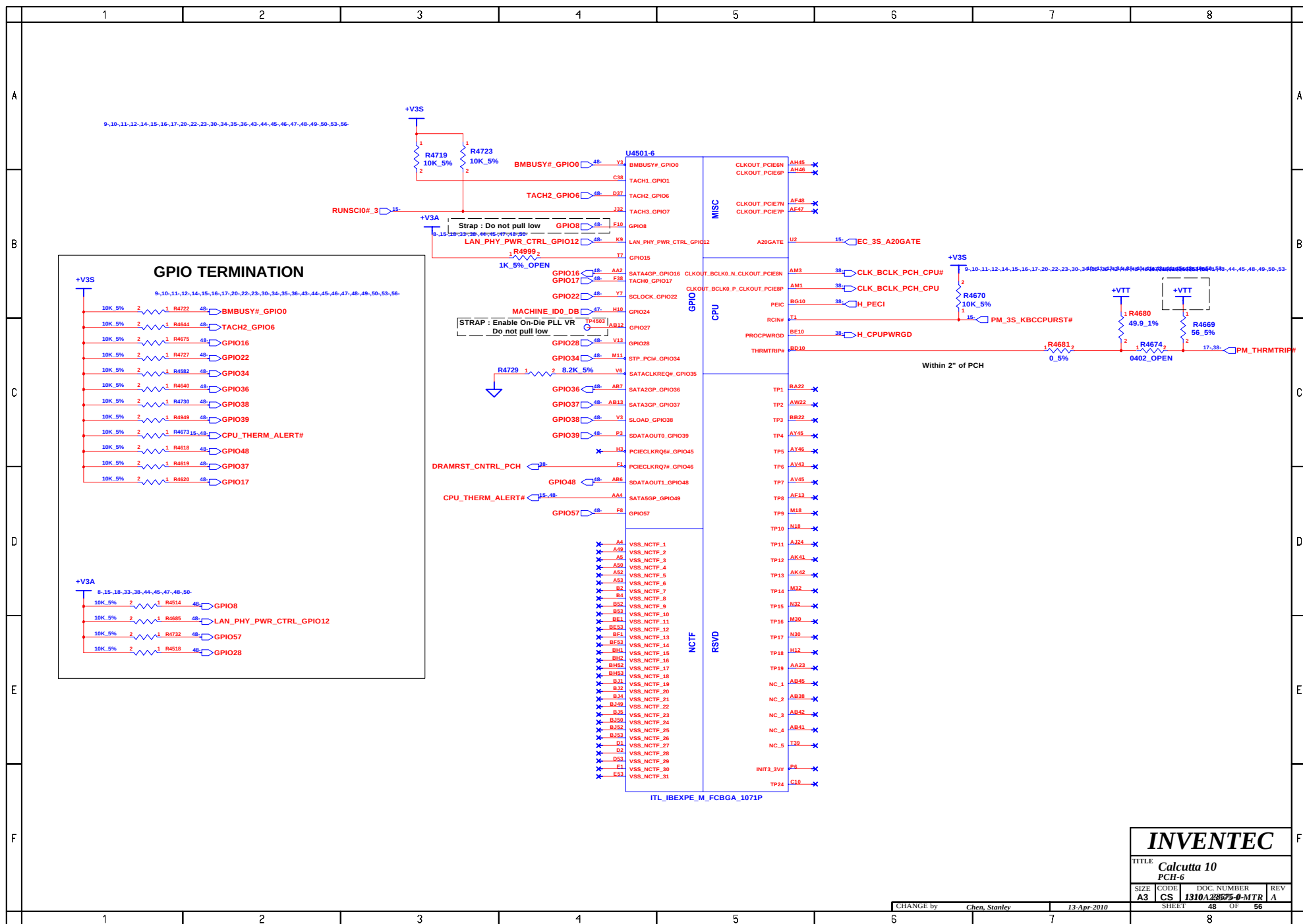


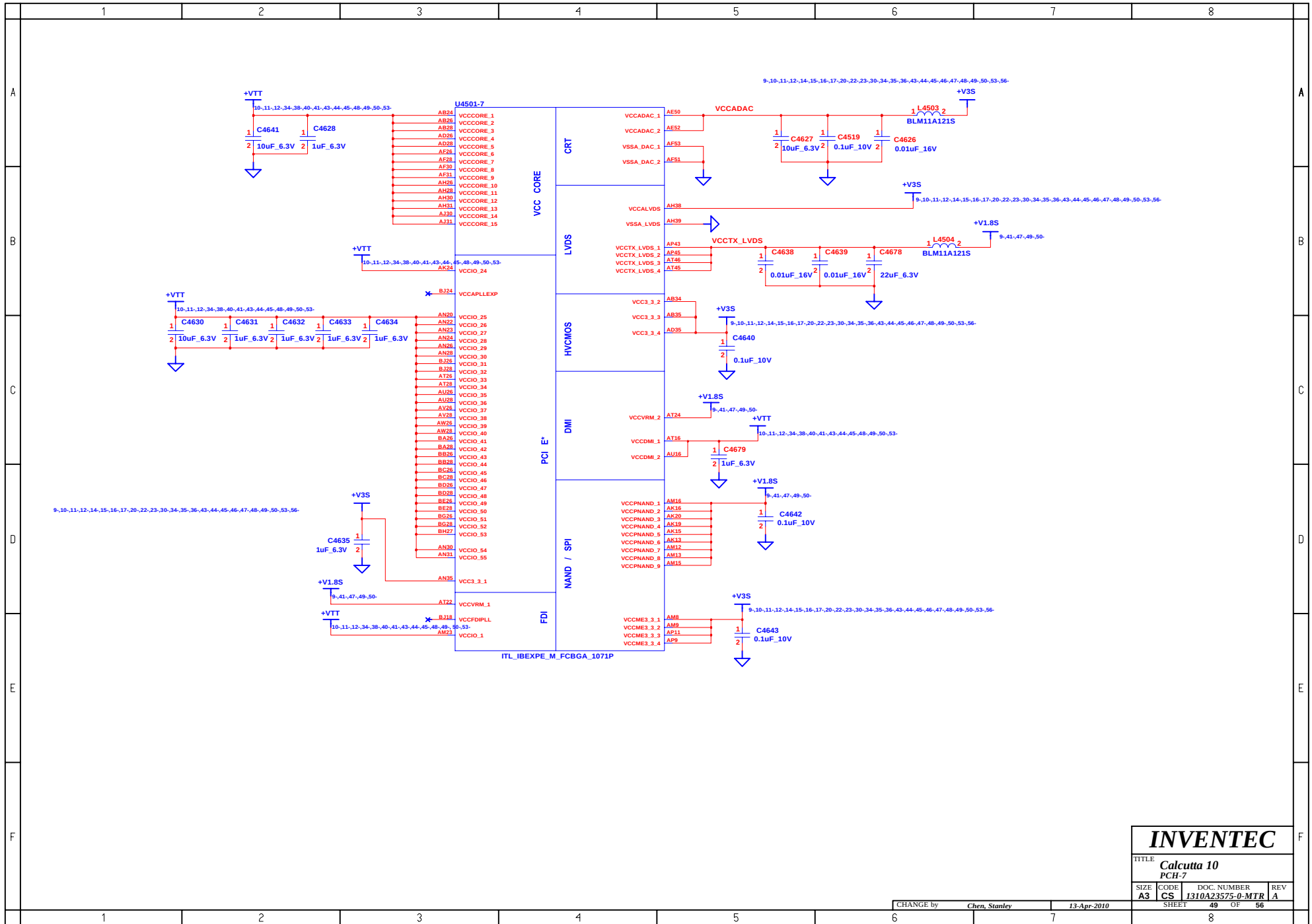












# INVENTEC

|             |      |                  |       |
|-------------|------|------------------|-------|
| TITLE       |      |                  |       |
| Calcutta 10 |      |                  |       |
| PCH-7       |      |                  |       |
| SIZE        | CODE | DOC. NUMBER      | REV   |
| A3          | CS   | 1310A23575-0-MTR | A     |
| SHEET       |      | 49               | OF 56 |

CHANGE by Chen, Stanley 13-Apr-2010



**U4501-9**

AB16 VSS.0

AA19 VSS.1 AK30

AA20 VSS.2 VSS.81 AK31

AA22 VSS.3 VSS.82 AK32

AM15 VSS.4 VSS.83 AK34

AA24 VSS.5 VSS.84 AK35

AA26 VSS.6 VSS.85 AK38

AA28 VSS.7 VSS.86 AK43

AA30 VSS.8 VSS.87 AK46

AA31 VSS.9 VSS.88 AK49

AA32 VSS.10 VSS.89 AK5

AB11 VSS.11 VSS.90 AK5

AB15 VSS.12 VSS.91 AL2

AB21 VSS.13 VSS.92 AL52

AB22 VSS.14 VSS.93 AM11

AB23 VSS.15 VSS.94 AD24

AB24 VSS.16 VSS.95 BB44

AB25 VSS.17 VSS.96 AM20

AB26 VSS.18 VSS.97 AM22

AB27 VSS.19 VSS.98 AM24

AB28 VSS.20 VSS.99 AM26

AB29 VSS.21 VSS.100 AM28

AC2 VSS.22 VSS.101 BA42

AC25 VSS.23 VSS.102 AM30

AD11 VSS.24 VSS.103 AM31

AD12 VSS.25 VSS.104 AM32

AD15 VSS.26 VSS.105 AM34

AD22 VSS.27 VSS.106 AM35

AD30 VSS.28 VSS.107 AM38

AD31 VSS.29 VSS.108 AM39

AD34 VSS.30 VSS.109 AM42

AD35 VSS.31 VSS.110 AU20

AD36 VSS.32 VSS.111 AM46

AD38 VSS.33 VSS.112 AV22

AD39 VSS.34 VSS.113 AM49

AD40 VSS.35 VSS.114 AM7

AD41 VSS.36 VSS.115 AA50

AE2 VSS.37 VSS.116 BB10

AE4 VSS.38 VSS.117 AN2

AF12 VSS.39 VSS.118 AN50

Y11 VSS.40 VSS.119 AN52

AH58 VSS.41 VSS.120 AP42

AU4 VSS.42 VSS.121 AP42

AF35 VSS.43 VSS.122 AP36

AP13 VSS.44 VSS.123 AP49

AN24 VSS.45 VSS.124 AP5

AF45 VSS.46 VSS.125 AP5

AF48 VSS.47 VSS.126 AR2

AF49 VSS.48 VSS.127 AR52

AF5 VSS.49 VSS.128 AT11

AE5 VSS.50 VSS.129 BA12

AG2 VSS.51 VSS.130 AH48

AG32 VSS.52 VSS.131 AT32

AH4 VSS.53 VSS.132 AT36

AH15 VSS.54 VSS.133 AT41

AH18 VSS.55 VSS.134 AT47

AH24 VSS.56 VSS.135 AT7

AH33 VSS.57 VSS.136 AV12

AV18 VSS.58 VSS.137 AV16

AH43 VSS.59 VSS.138 AV20

AH47 VSS.60 VSS.139 AV24

AH1 VSS.61 VSS.140 AV30

AJ15 VSS.62 VSS.141 AV34

AJ2 VSS.63 VSS.142 AV38

AJ25 VSS.64 VSS.143 AV42

AJ27 VSS.65 VSS.144 E20

AJ28 VSS.66 VSS.145 AV39

AJ29 VSS.67 VSS.146 AV5

AJ32 VSS.68 VSS.147 AV5

AJ33 VSS.69 VSS.148 AW14

AJ34 VSS.70 VSS.149 AW18

AT5 VSS.71 VSS.150 AW2

AJ5 VSS.72 VSS.151 BF3

AK14 VSS.73 VSS.152 AW32

AM41 VSS.74 VSS.153 AW36

AN18 VSS.75 VSS.154 AW40

AK28 VSS.76 VSS.155 AW52

AK25 VSS.77 VSS.156 AY11

AK23 VSS.78 VSS.157 AY43

AK26 VSS.79 VSS.158 AY47

ITL\_IBEXPE\_M\_FCBGA\_1071P

**U4501-10**

AY7 VSS.159 VSS.289 H49

B11 VSS.160 VSS.290 H5

B15 VSS.161 VSS.291 H5

B19 VSS.162 VSS.292 K11

B23 VSS.163 VSS.293 K43

B31 VSS.164 VSS.294 K47

B35 VSS.165 VSS.295 K7

B39 VSS.166 VSS.296 L14

B43 VSS.167 VSS.297 L18

B47 VSS.168 VSS.298 L2

B7 VSS.169 VSS.299 L22

BG12 VSS.170 VSS.270 L36

BH12 VSS.171 VSS.271 L36

BH15 VSS.172 VSS.272 L40

BH20 VSS.173 VSS.273 L52

BH21 VSS.174 VSS.274 M12

BH22 VSS.175 VSS.275 M16

BH23 VSS.176 VSS.276 M20

BH24 VSS.177 VSS.277 N20

BH25 VSS.178 VSS.278 M34

BH26 VSS.179 VSS.279 M38

BH27 VSS.180 VSS.280 M46

BH28 VSS.181 VSS.281 M49

BH29 VSS.182 VSS.282 M49

BH30 VSS.183 VSS.283 M5

BH31 VSS.184 VSS.284 M8

BH32 VSS.185 VSS.285 N24

BH33 VSS.186 VSS.286 P11

BH34 VSS.187 VSS.287 AD19

BH35 VSS.188 VSS.288 P30

BH36 VSS.189 VSS.289 P30

BH37 VSS.190 VSS.290 P32

BH38 VSS.191 VSS.291 P34

BH39 VSS.192 VSS.292 P42

BH40 VSS.193 VSS.293 P45

BH41 VSS.194 VSS.294 P47

BH42 VSS.195 VSS.295 P47

BH43 VSS.196 VSS.296 P47

BH44 VSS.197 VSS.297 P47

BH45 VSS.198 VSS.298 P47

BH46 VSS.199 VSS.299 P47

BH47 VSS.200 VSS.300 P47

BH48 VSS.201 VSS.301 P47

BH49 VSS.202 VSS.302 P47

BH50 VSS.203 VSS.303 P47

BH51 VSS.204 VSS.304 P47

BH52 VSS.205 VSS.305 P47

BH53 VSS.206 VSS.306 P47

BH54 VSS.207 VSS.307 P47

BH55 VSS.208 VSS.308 P47

BH56 VSS.209 VSS.309 P47

BH57 VSS.210 VSS.310 P47

BH58 VSS.211 VSS.311 P47

BH59 VSS.212 VSS.312 P47

BH60 VSS.213 VSS.313 P47

BH61 VSS.214 VSS.314 P47

BH62 VSS.215 VSS.315 P47

BH63 VSS.216 VSS.316 P47

BH64 VSS.217 VSS.317 P47

BH65 VSS.218 VSS.318 P47

BH66 VSS.219 VSS.319 P47

BH67 VSS.220 VSS.320 P47

BH68 VSS.221 VSS.321 P47

BH69 VSS.222 VSS.322 P47

BH70 VSS.223 VSS.323 P47

BH71 VSS.224 VSS.324 P47

BH72 VSS.225 VSS.325 P47

BH73 VSS.226 VSS.326 P47

BH74 VSS.227 VSS.327 P47

BH75 VSS.228 VSS.328 P47

BH76 VSS.229 VSS.329 P47

BH77 VSS.230 VSS.330 P47

BH78 VSS.231 VSS.331 P47

BH79 VSS.232 VSS.332 P47

BH80 VSS.233 VSS.333 P47

BH81 VSS.234 VSS.334 P47

BH82 VSS.235 VSS.335 P47

BH83 VSS.236 VSS.336 P47

BH84 VSS.237 VSS.337 P47

BH85 VSS.238 VSS.338 P47

BH86 VSS.239 VSS.339 P47

BH87 VSS.240 VSS.340 P47

BH88 VSS.241 VSS.341 P47

BH89 VSS.242 VSS.342 P47

BH90 VSS.243 VSS.343 P47

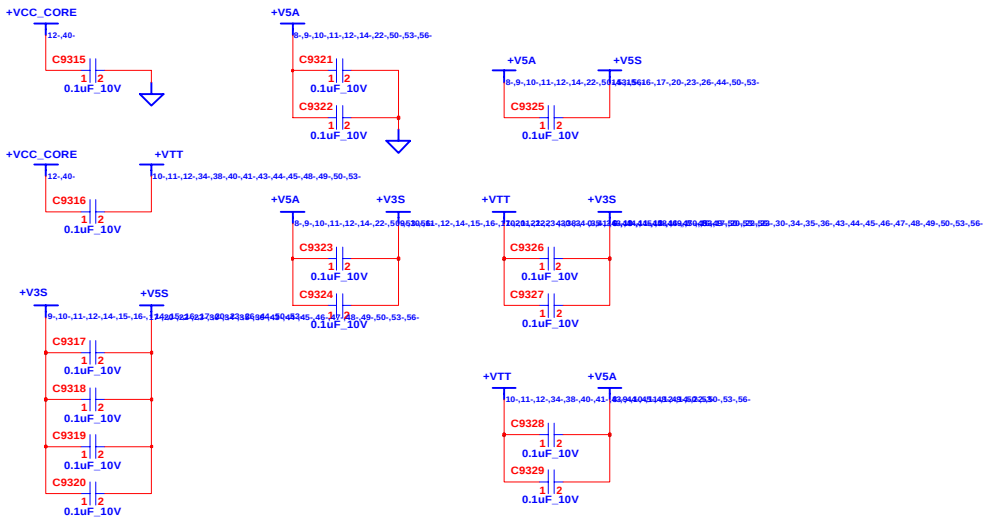
BH91 VSS.244 VSS.344 P47

BH92 VSS.245 VSS.345 P47

|   |                  |   |   |   |   |   |   |   |   |
|---|------------------|---|---|---|---|---|---|---|---|
|   | 1                | 2 | 3 | 4 | 5 | 6 | 7 | 8 |   |
| A | <div>BLANK</div> |   |   |   |   |   |   |   | A |
| B |                  |   |   |   |   |   |   |   | B |
| C |                  |   |   |   |   |   |   |   | C |
| D |                  |   |   |   |   |   |   |   | D |
| E |                  |   |   |   |   |   |   |   | E |
| F |                  |   |   |   |   |   |   |   | F |
|   | 1                | 2 | 3 | 4 | 5 | 6 | 7 | 8 |   |

|                                   |            |                                 |          |
|-----------------------------------|------------|---------------------------------|----------|
| INVENTEC                          |            |                                 |          |
| TITLE<br>Calcutta 10<br>3D SENSOR |            |                                 |          |
| SIZE<br>A3                        | CODE<br>CS | DOC. NUMBER<br>1310A23575-0-MTR | REV<br>A |
| CHANGE by<br>Chen, Stanley        |            | 13-Apr-2010                     |          |
| SHEET<br>52                       |            | OF<br>56                        |          |

# EMI



**INVENTEC**

TITLE  
**Calcutta 10**  
**EMI**

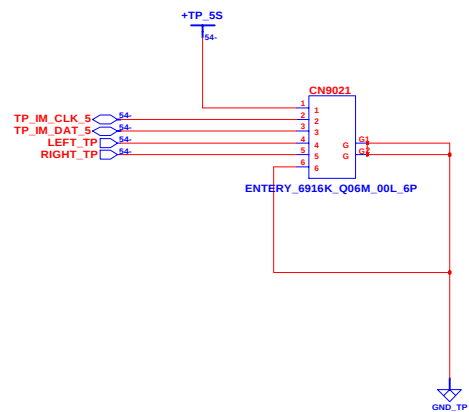
| SIZE | CODE | DOC. NUMBER      | REV |
|------|------|------------------|-----|
| A3   | CS   | 1310A23575-0-MTR | A   |

CHANGE by **Chen, Stanley** 13-Apr-2010

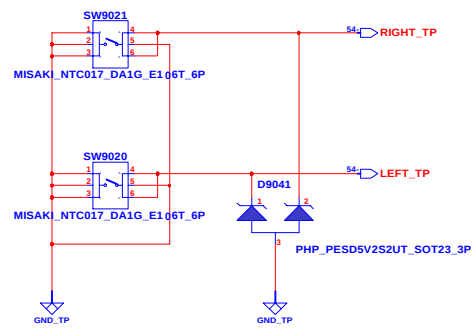
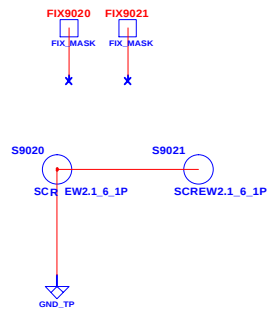
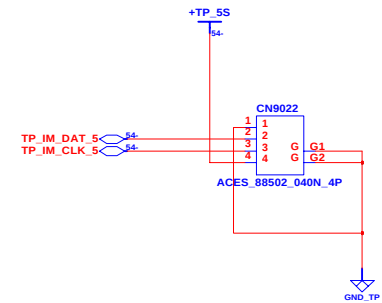
SHEET 53 OF 56

# TOUCH PAD SWITCH BOARD

Connect to Touchpad Module



Connect to Mainboard's TP connector



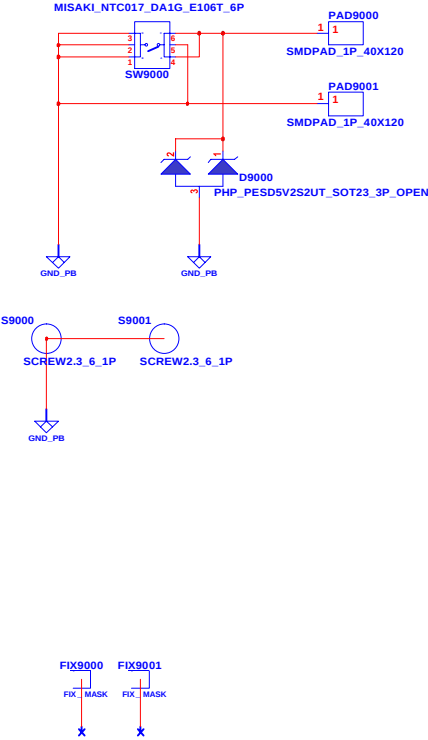
**INVENTEC**

|                                |      |                  |       |
|--------------------------------|------|------------------|-------|
| TITLE                          |      |                  |       |
| Calcutta 10<br>TP SWITCH BOARD |      |                  |       |
| SIZE                           | CODE | DOC. NUMBER      | REV   |
| A3                             | CS   | 1310A23575-0-MTR | A     |
| SHEET                          |      | 54               | OF 56 |

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8

POWER BOARD

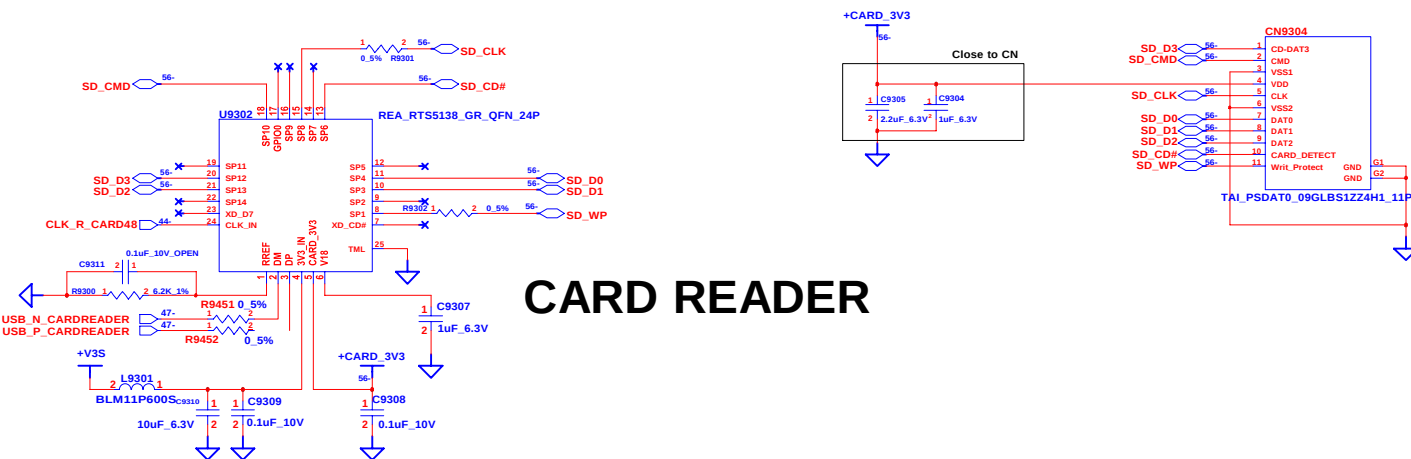
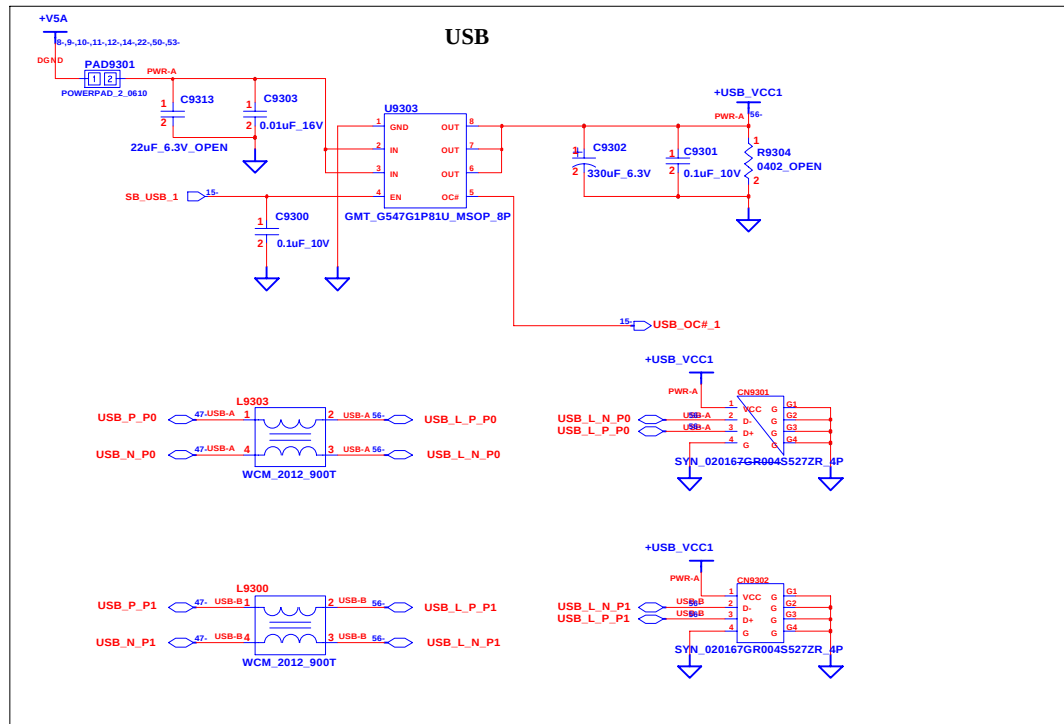


INVENTEC

|                            |      |                  |     |
|----------------------------|------|------------------|-----|
| TITLE                      |      |                  |     |
| Calcutta 10<br>POWER BOARD |      |                  |     |
| SIZE                       | CODE | DOC. NUMBER      | REV |
| A3                         | CS   | 1310A23575-0-MTR | A   |

CHANGE by Chen, Stanley 13-Apr-2010

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| INVENTEC        |      |                  |             |    |
|-----------------|------|------------------|-------------|----|
| TITLE           |      |                  |             |    |
| Calcutta 10     |      |                  |             |    |
| Card Reader/USB |      |                  |             |    |
| SIZE            | CODE | DOC. NUMBER      | REV         |    |
| A3              | CS   | 1310A23575-0-MTR | A           |    |
| CHANGE by       |      | Chen, Stanley    | 13-Apr-2010 |    |
| SHEET           |      | 56               | OF          | 56 |