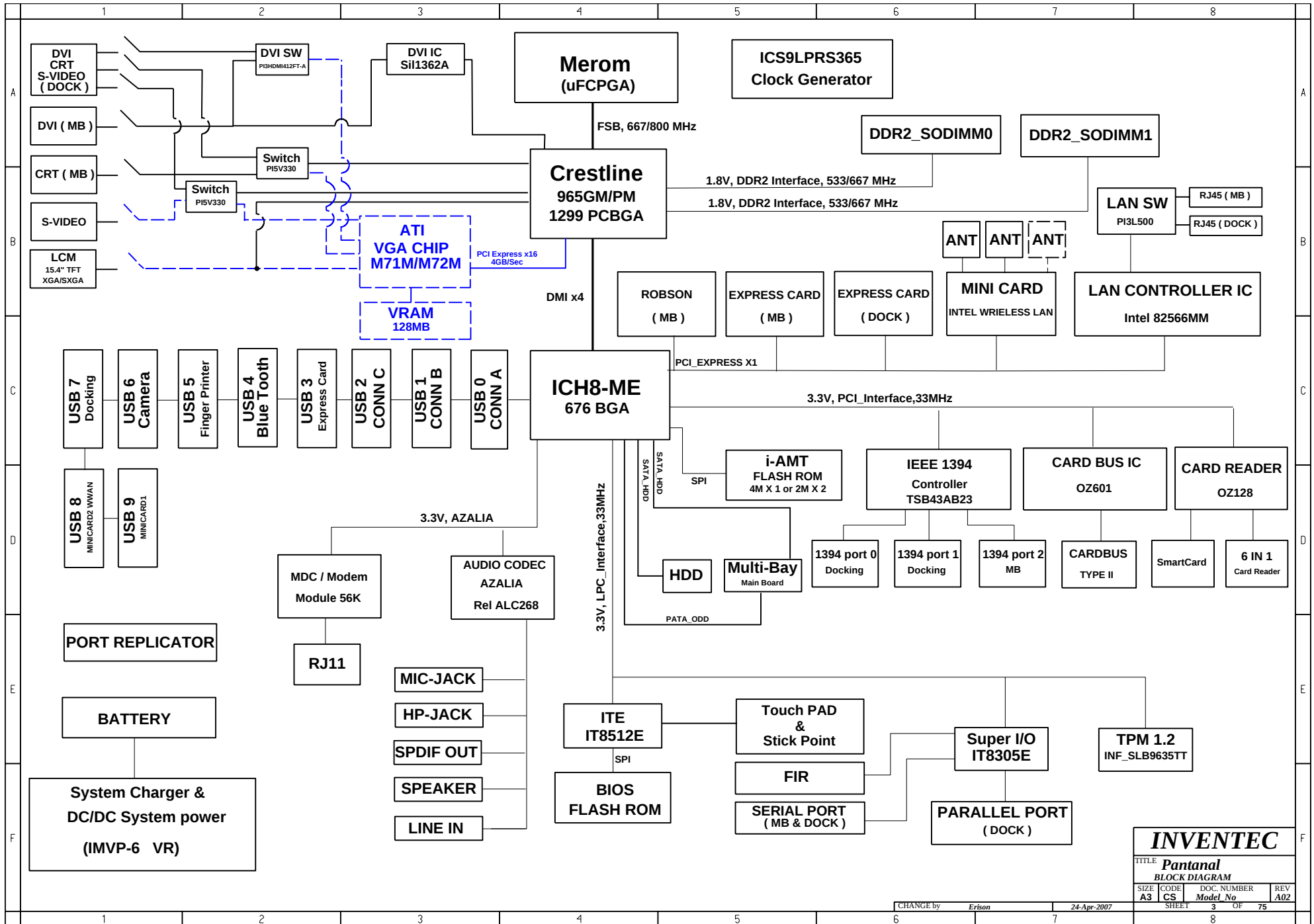


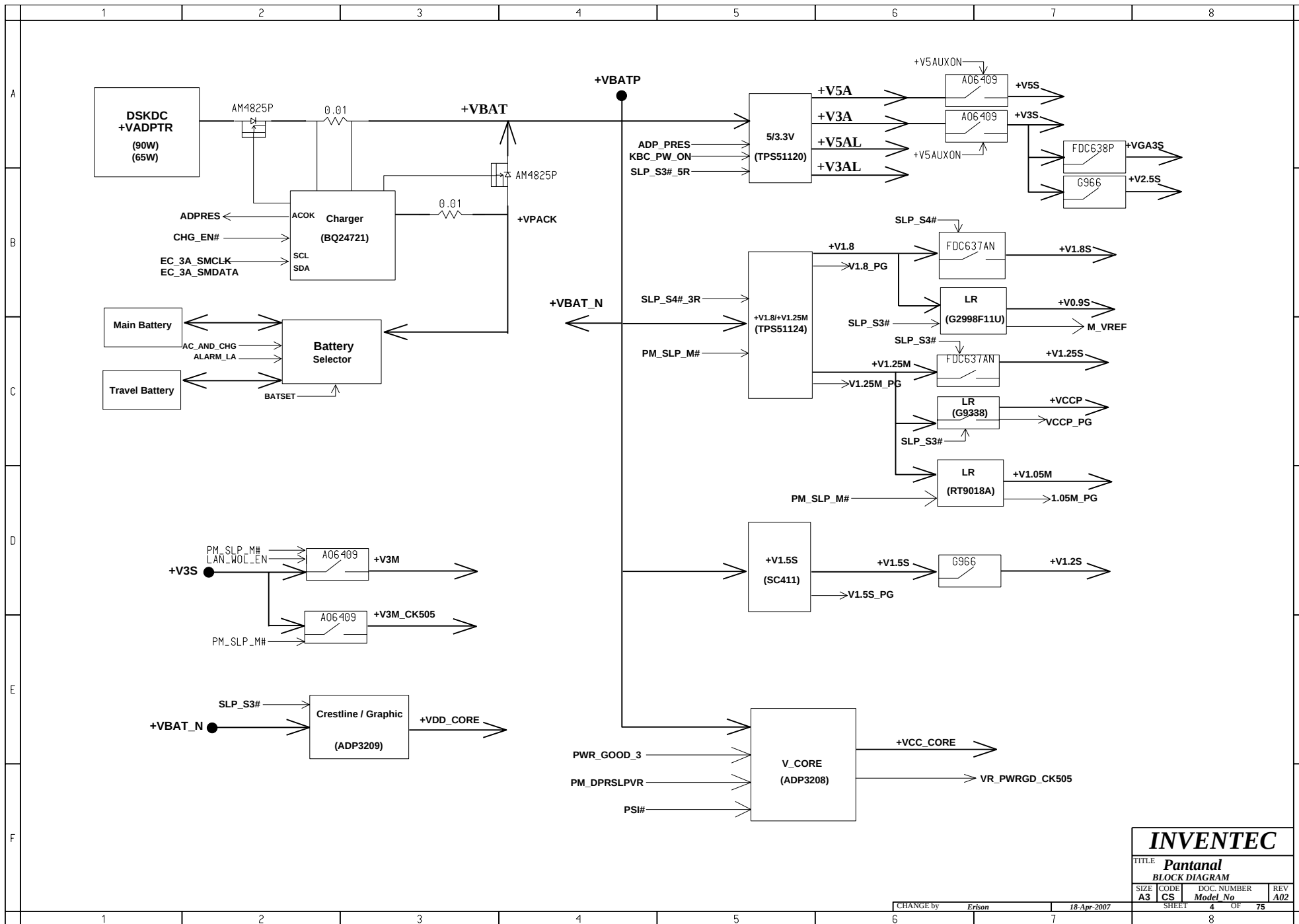
**2007 0425**

|   |                              |   |                                 |   |                                  |                                                                         |   |   |
|---|------------------------------|---|---------------------------------|---|----------------------------------|-------------------------------------------------------------------------|---|---|
|   | 1                            | 2 | 3                               | 4 | 5                                | 6                                                                       | 7 | 8 |
| A | <div>TABLE OF CONTENTS</div> |   |                                 |   |                                  |                                                                         |   |   |
| B | PAGE                         |   | PAGE                            |   | PAGE                             |                                                                         |   |   |
| C | 1.COVER PAGE                 |   | 35.ATI-M72-M-5                  |   | 60.SMART CARD & 5 IN 1 CONN      |                                                                         |   |   |
|   | 2.INDEX                      |   | 36.VRAM GDDR2-1                 |   | 61.SMART CARD CONTROLLER         |                                                                         |   |   |
|   | 3.BLOCK DIAGRAM              |   | 37.VRAM GDDR2-2                 |   | 62.AZALIA CODEC                  |                                                                         |   |   |
|   | 4.POWER SEQUENCE BLOCK       |   | 38.DVI CONTROLLER               |   | 63.AMP & AUDIO JACK              |                                                                         |   |   |
|   | 5-14.SYSTEM POWER            |   | 39.CRT CONN & VIDEO SWITCH      |   | 64.WLAN & SIM SOCKET             |                                                                         |   |   |
|   | 15.CLOCK GENERATOR           |   | 40.LCD CONN                     |   | 65.MDC & RJ11 & BT CONN          |                                                                         |   |   |
|   | 16.CPU Merom1                |   | 41.S/B ICH8 1                   |   | 66.DOCKING CONN                  |                                                                         |   |   |
|   | 17.CPU Merom2                |   | 42.S/B ICH8 2                   |   | 67.LED & WLAN / BT / WWAN SWITCH |                                                                         |   |   |
|   | 18.CPU Merom3                |   | 43.S/B ICH8 3                   |   | 68.TPM 1.2                       |                                                                         |   |   |
|   | 19.CPU Merom4                |   | 44.S/B ICH8 4                   |   | 69.DRILL HOLE                    |                                                                         |   |   |
|   | 20.N/B Crestline 1           |   | 45.S/B ICH8 5                   |   | 70.MB TO OTHER BOARD CONN        |                                                                         |   |   |
|   | 21.N/B Crestline 2           |   | 46.ROBSON TECH                  |   | 71.I/O BOARD (WWAN)              |                                                                         |   |   |
| D | 22.N/B Crestline 3           |   | 47.M-BAY PWR & HDD CONN         |   | 72.HOTKEY BOARD                  |                                                                         |   |   |
|   | 23.N/B Crestline 4           |   | 48.MULTIBAY CONN                |   | 73.TOUCHPAD BOARD                |                                                                         |   |   |
|   | 24.N/B Crestline 5           |   | 49.LAN CONTROLLER               |   | 74.MULTIBAY ODD BOARD            |                                                                         |   |   |
|   | 25.N/B Crestline 6           |   | 50.LAN SWITCH & RJ45            |   | 75.STICK POINT BOARD             |                                                                         |   |   |
|   | 26.N/B Crestline 7           |   | 51.KBC                          |   | 76.FINGER PRINTER BOARD          |                                                                         |   |   |
|   | 27.PCI-E to SDVO             |   | 52.SUPER I/O & FIR              |   |                                  |                                                                         |   |   |
|   | 28.DDR2 DIMM0                |   | 53.THERMAL SENSOR & FAN         |   |                                  |                                                                         |   |   |
| E | 29.DDR2 DIMM1                |   | 54.KB & TP & SP I/F             |   |                                  |                                                                         |   |   |
|   | 30.DDR DAMPING               |   | 55.1394 CONTROLLER              |   |                                  |                                                                         |   |   |
|   | 31.ATI-M72-M-1               |   | 56.1394 & USB CONN              |   |                                  |                                                                         |   |   |
|   | 32.ATI-M72-M-2               |   | 57.CARDBUS CONTROLLER           |   |                                  |                                                                         |   |   |
|   | 33.ATI-M72-M-3               |   | 58.PC CARD & EXPRESS CARD POWER |   |                                  |                                                                         |   |   |
|   | 34.ATI-M72-M-4               |   | 59.CARDBUS & EXPRESS CONN       |   |                                  |                                                                         |   |   |
| F |                              |   |                                 |   |                                  |                                                                         |   |   |
|   |                              |   |                                 |   |                                  | <div>INVENTEC</div>                                                     |   |   |
|   |                              |   |                                 |   |                                  | <div>TITLE<br/>Pantanal</div>                                           |   |   |
|   |                              |   |                                 |   |                                  | <div>SIZE   CODE   DOC. NUMBER   REV<br/>A3   CS   Model No   A02</div> |   |   |
|   |                              |   |                                 |   |                                  | <div>CHANGE by   Erison   18-Apr-2007   SHEET 2 OF 75</div>             |   |   |
|   | 1                            | 2 | 3                               | 4 | 5                                | 6                                                                       | 7 | 8 |



**INVENTEC**

|                         |                |                             |                |
|-------------------------|----------------|-----------------------------|----------------|
| TITLE <b>Pantanal</b>   |                |                             |                |
| BLOCK DIAGRAM           |                |                             |                |
| SIZE <b>A3</b>          | CODE <b>CS</b> | DOC. NUMBER <b>Model No</b> | REV <b>A02</b> |
| CHANGE by <b>Erison</b> |                | 24-Apr-2007                 |                |
| SHEET <b>3</b>          |                | OF <b>75</b>                |                |



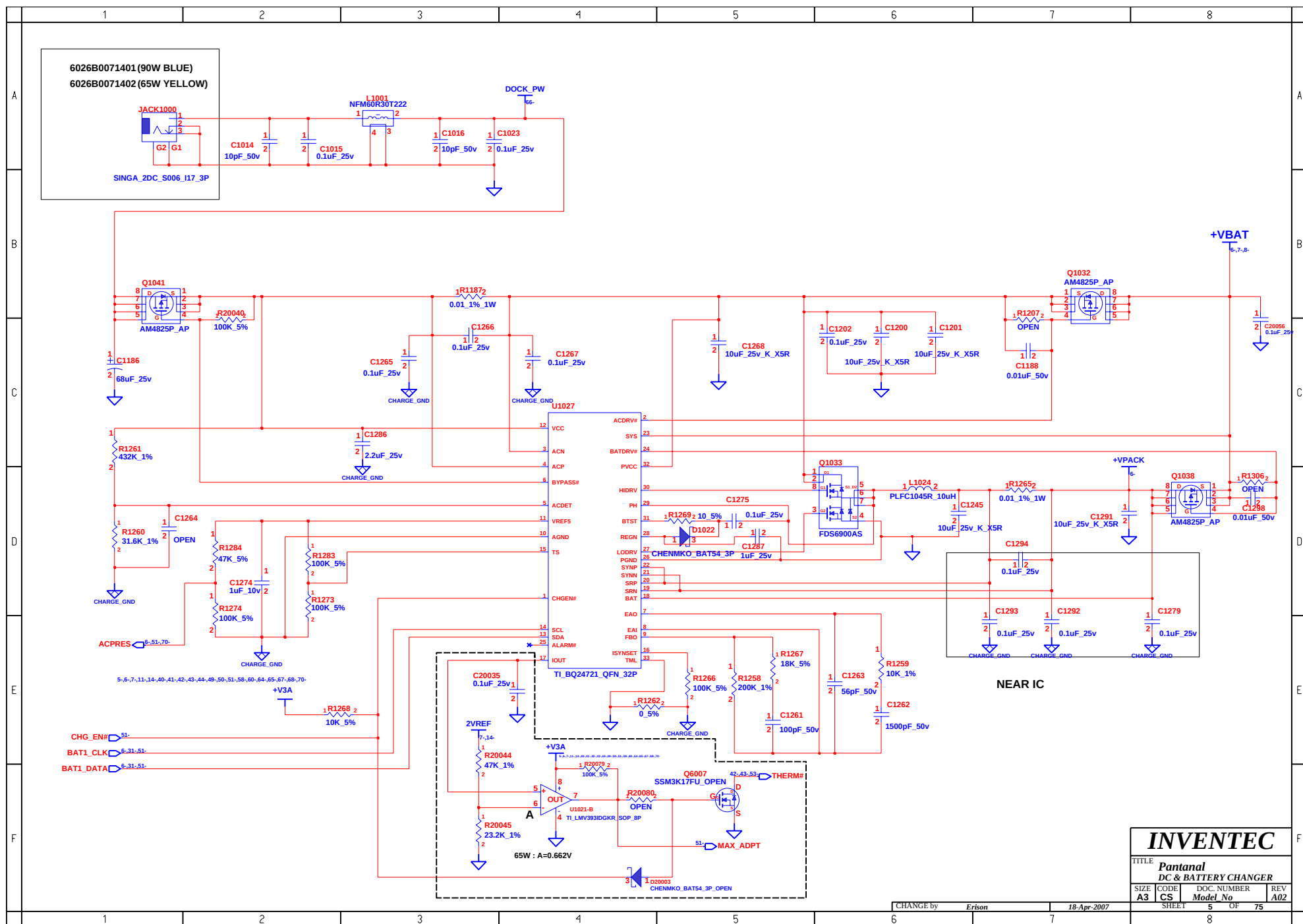
**INVENTEC**

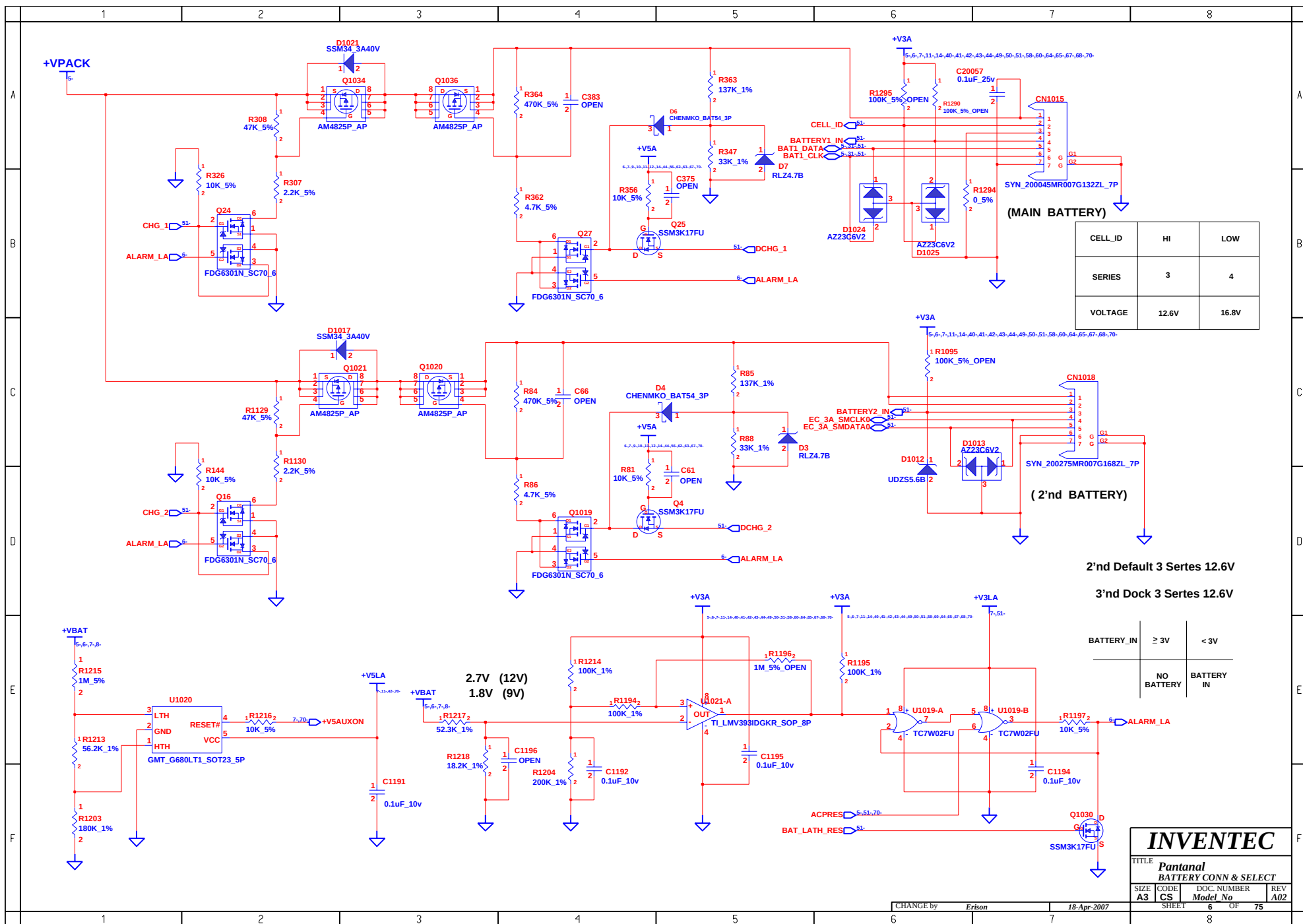
TITLE **Pantanal**  
BLOCK DIAGRAM

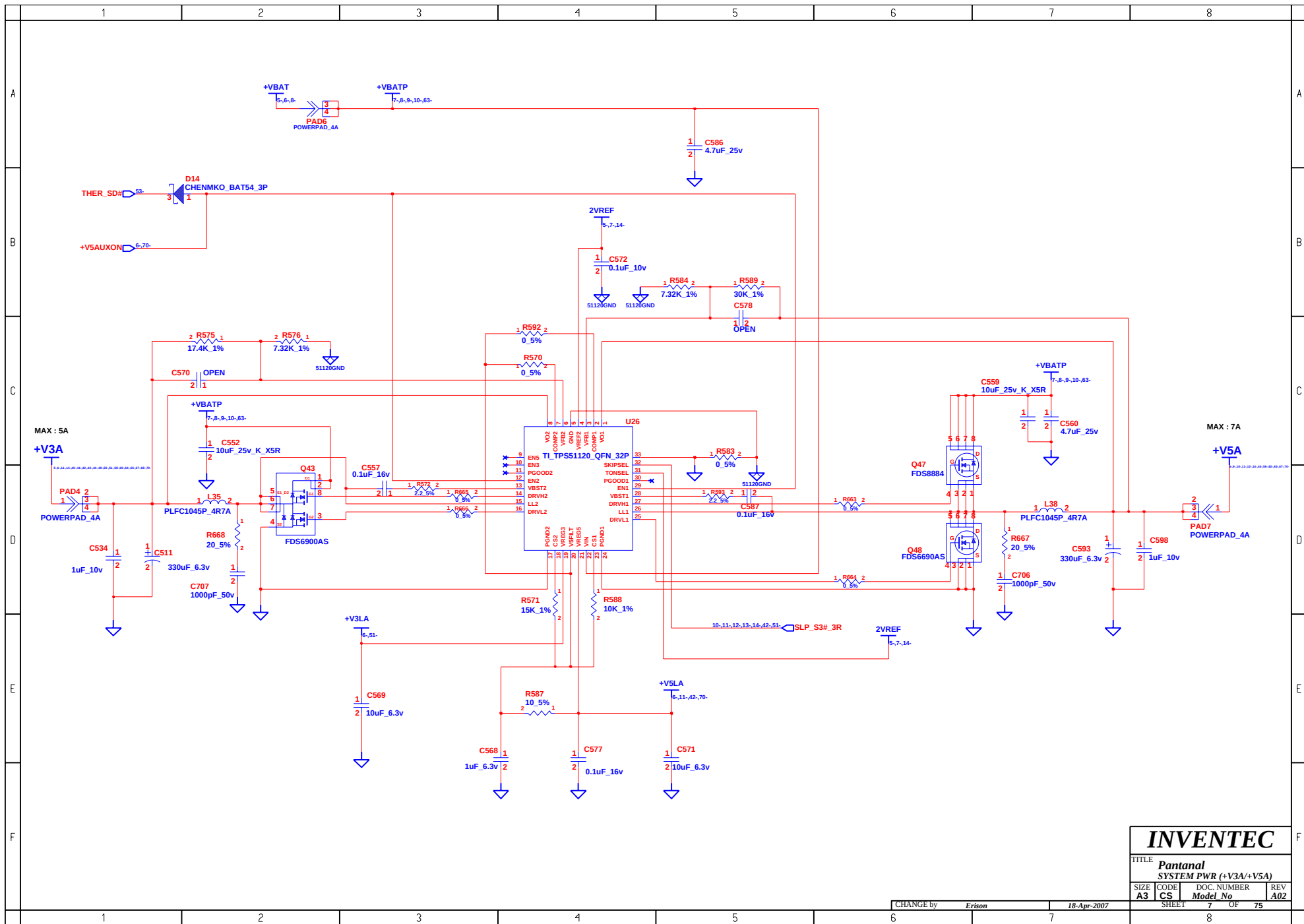
| SIZE | CODE | DOC. NUMBER | REV |
|------|------|-------------|-----|
| A3   | CS   | Model No    | A02 |

CHANGE by *Erison* 18-Apr-2007

SHEET 4 OF 75







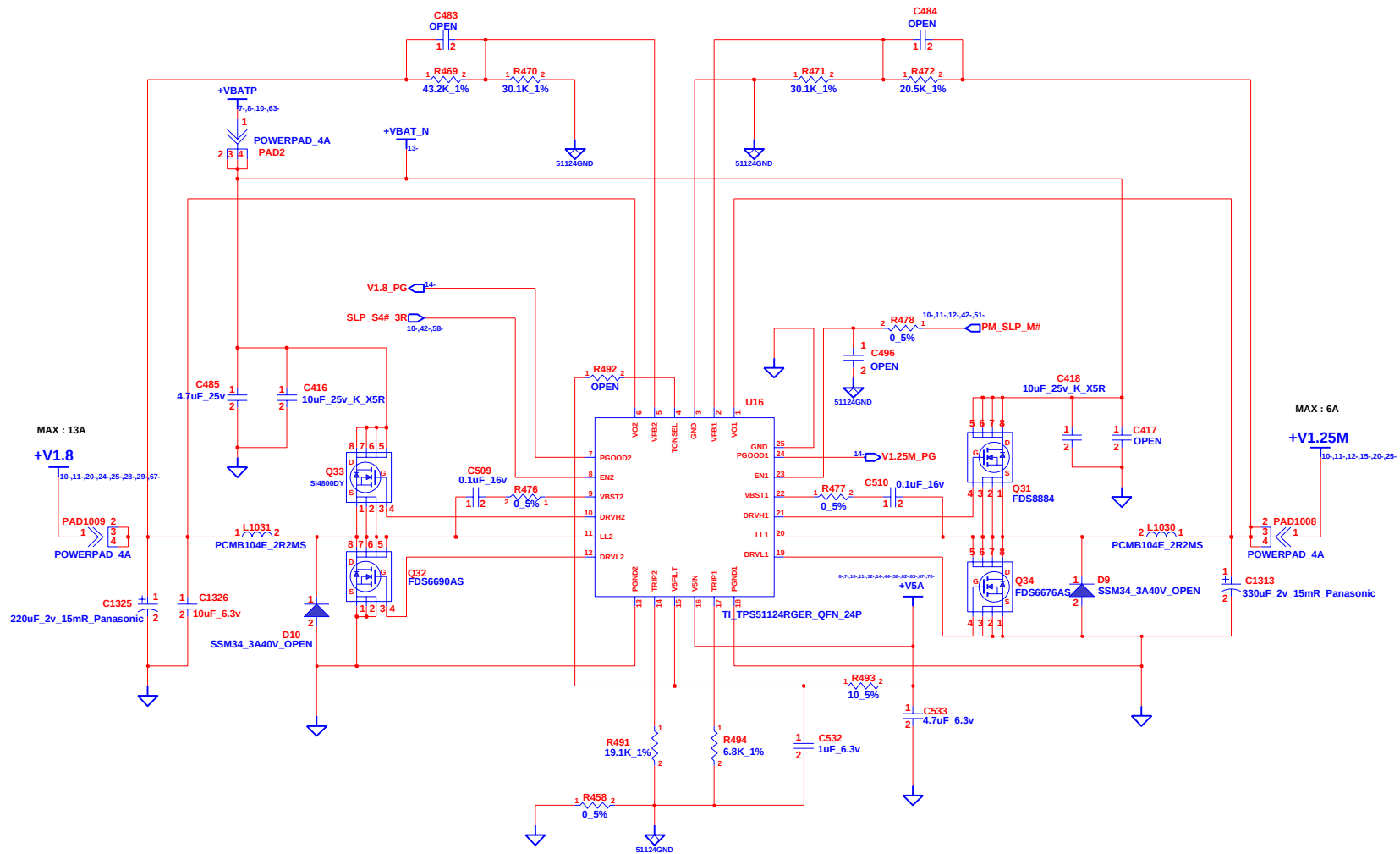
# INVENTEC

|                        |      |             |     |
|------------------------|------|-------------|-----|
| TITLE                  |      |             |     |
| Pantanal               |      |             |     |
| SYSTEM PWR (+V3A/+V5A) |      |             |     |
| SIZE                   | CODE | DOC. NUMBER | REV |
| A3                     | CS   | Model No    | A02 |

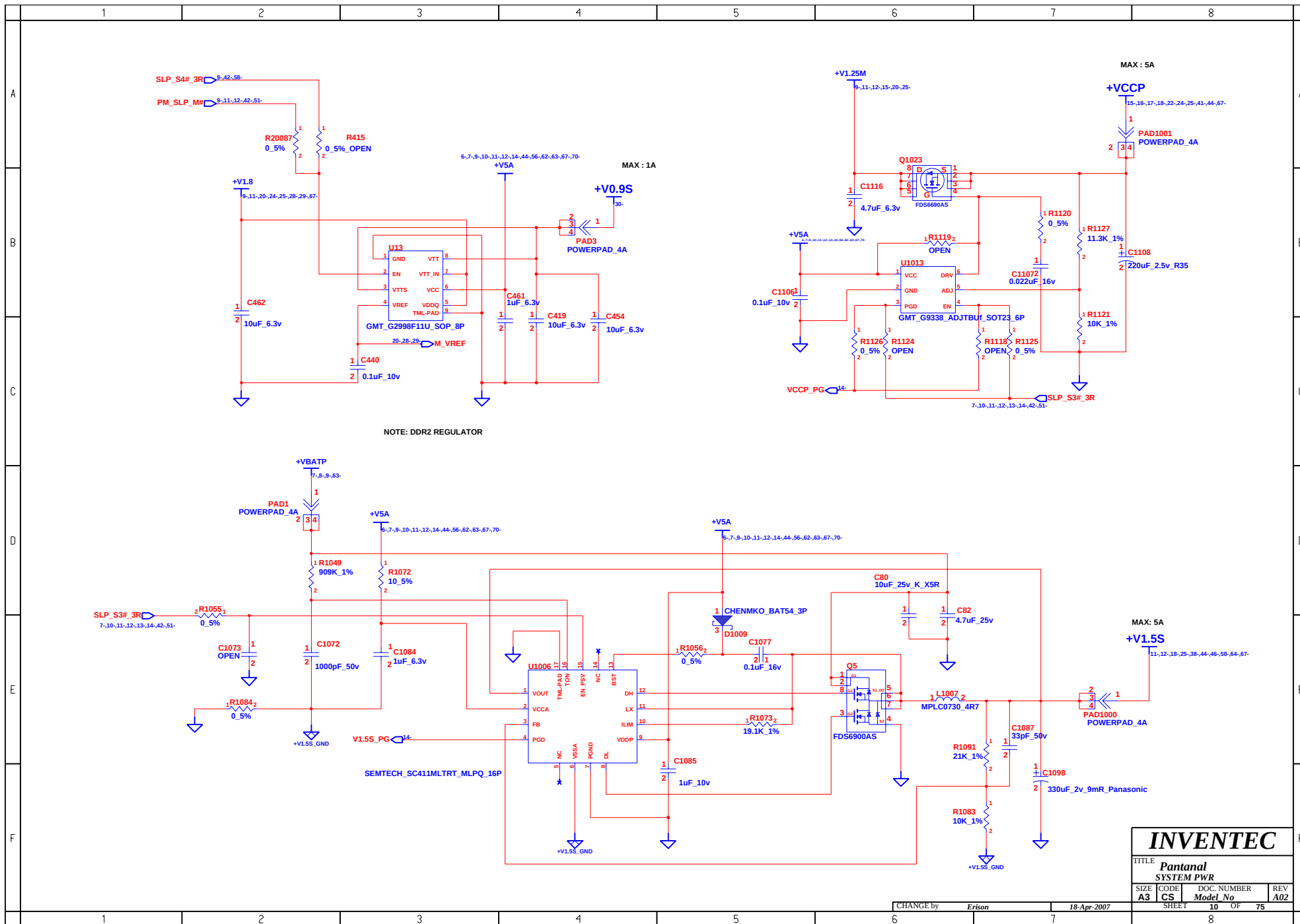
CHANGE by Erison 18-Apr-2007

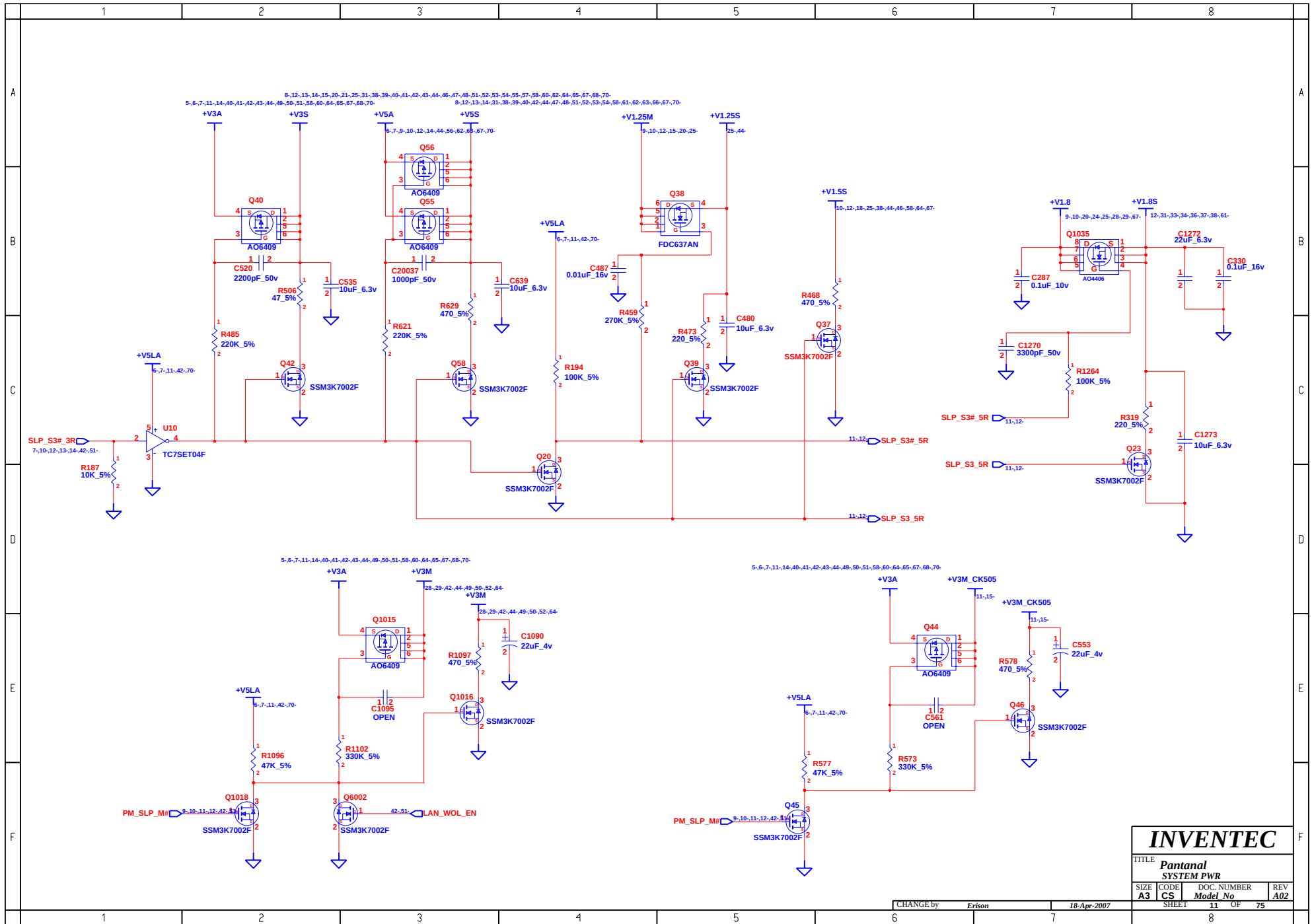
SHEET 7 OF 75

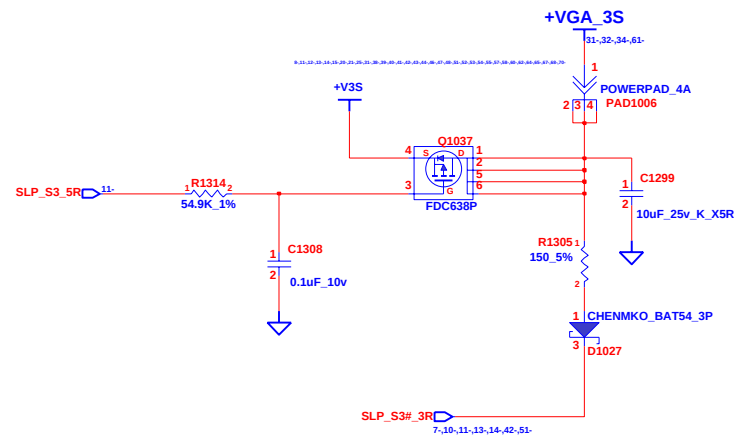
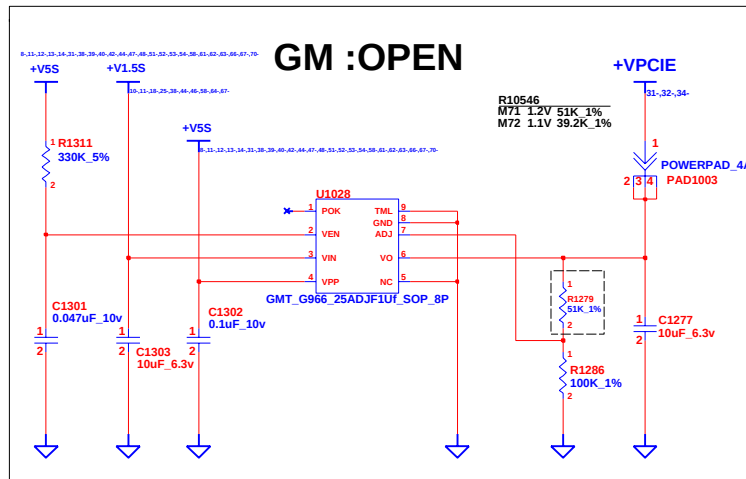
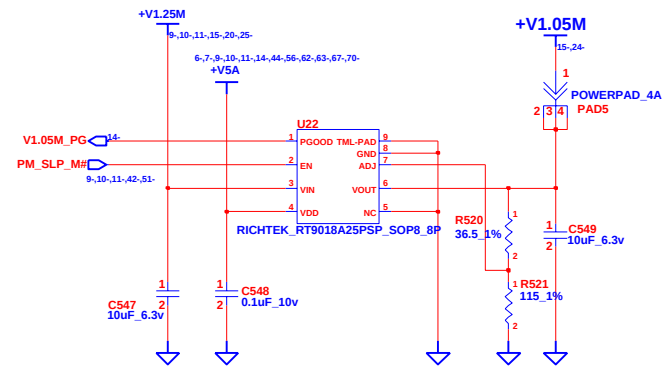
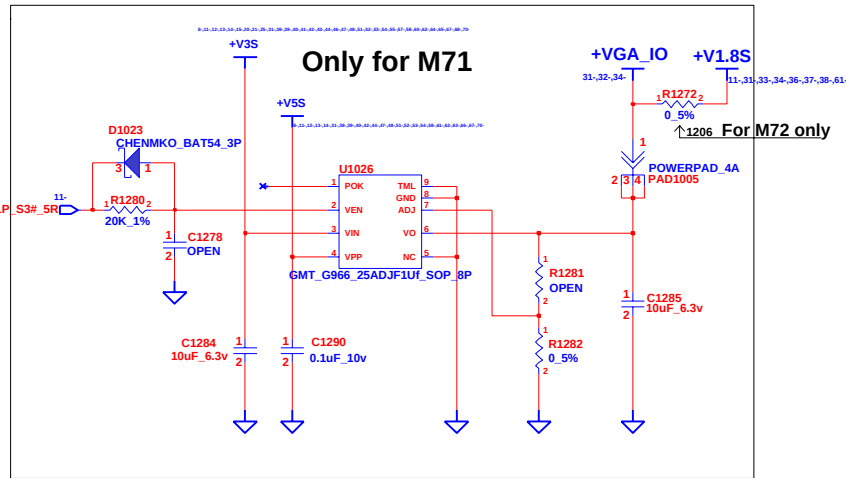




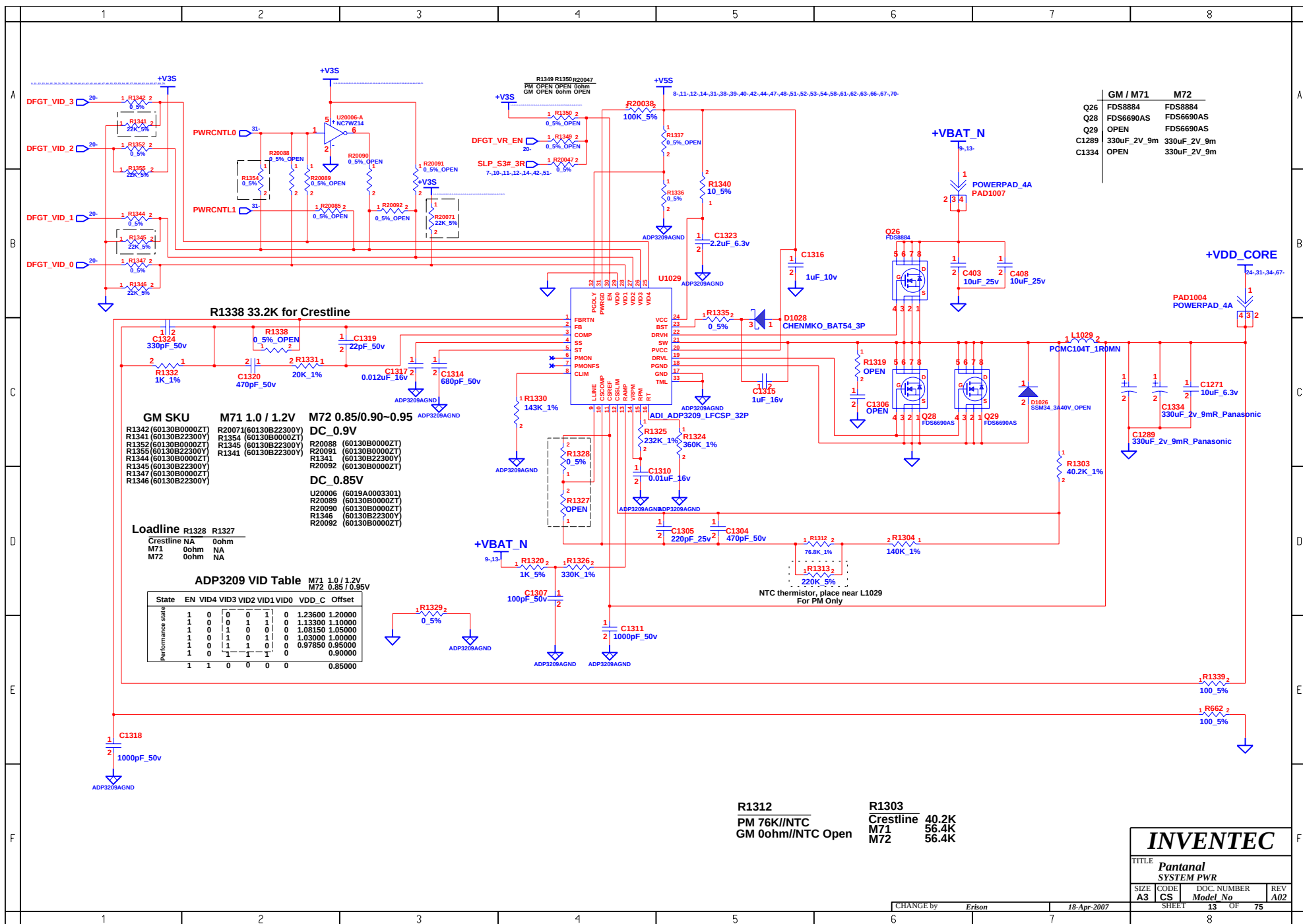
|                                      |                |                                |               |
|--------------------------------------|----------------|--------------------------------|---------------|
| <b>INVENTEC</b>                      |                |                                |               |
| TITLE <b>Pantanal<br/>SYSTEM PWR</b> |                |                                |               |
| SIZE <b>A3</b>                       | CODE <b>CS</b> | DOC. NUMBER<br><b>Model No</b> | REV <b>A0</b> |
| SHEET <b>9</b>                       |                | OF <b>75</b>                   |               |
| <b>8</b>                             |                |                                |               |

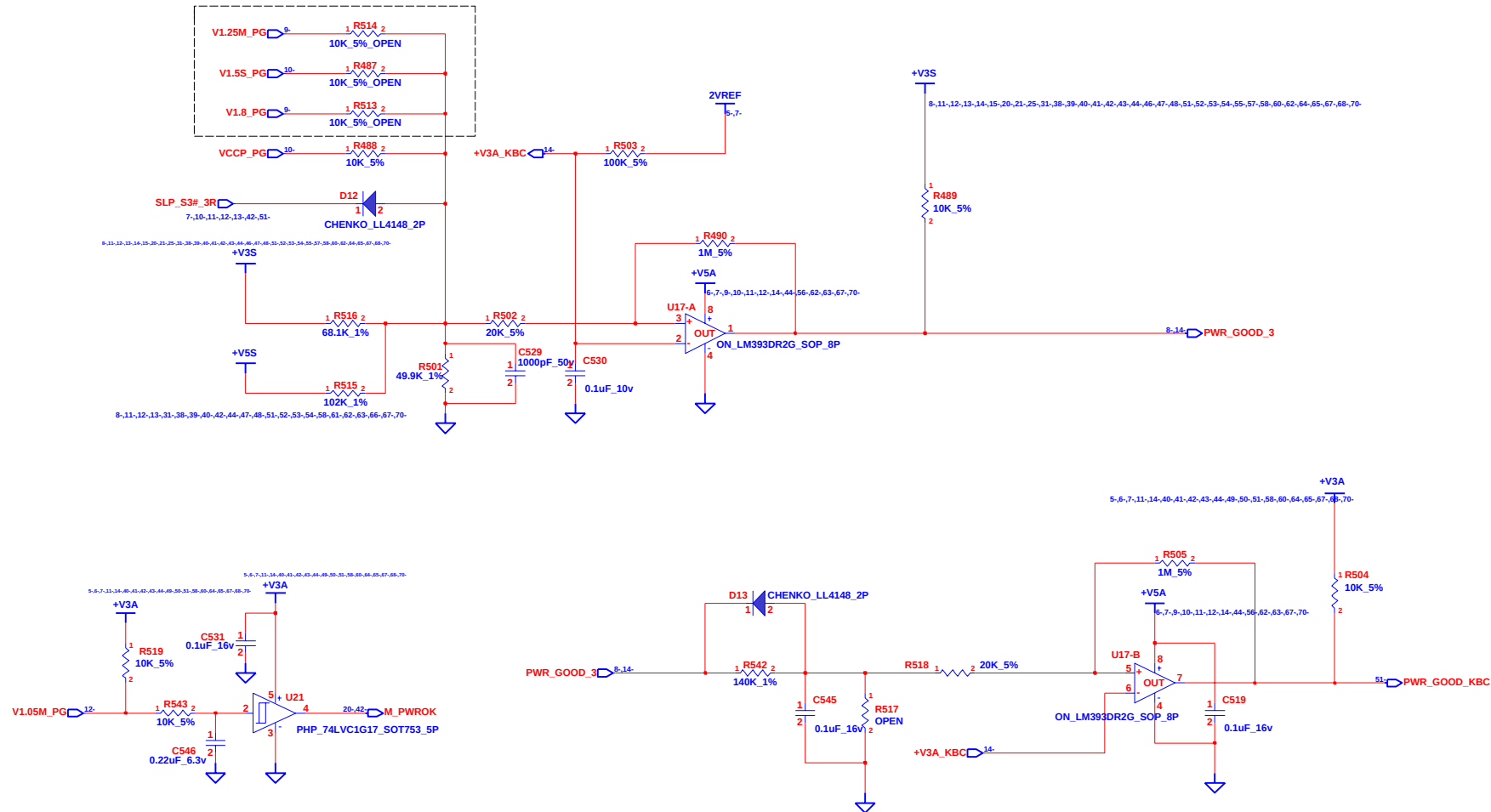






| INVENTEC                            |            |                                |            |
|-------------------------------------|------------|--------------------------------|------------|
| TITLE <i>Pantanal</i><br>SYSTEM PWR |            |                                |            |
| SIZE<br>A3                          | CODE<br>CS | DOC. NUMBER<br><i>Model No</i> | REV<br>A02 |
| SHEET                               |            | 12                             | OF 75      |
| Q                                   |            |                                |            |





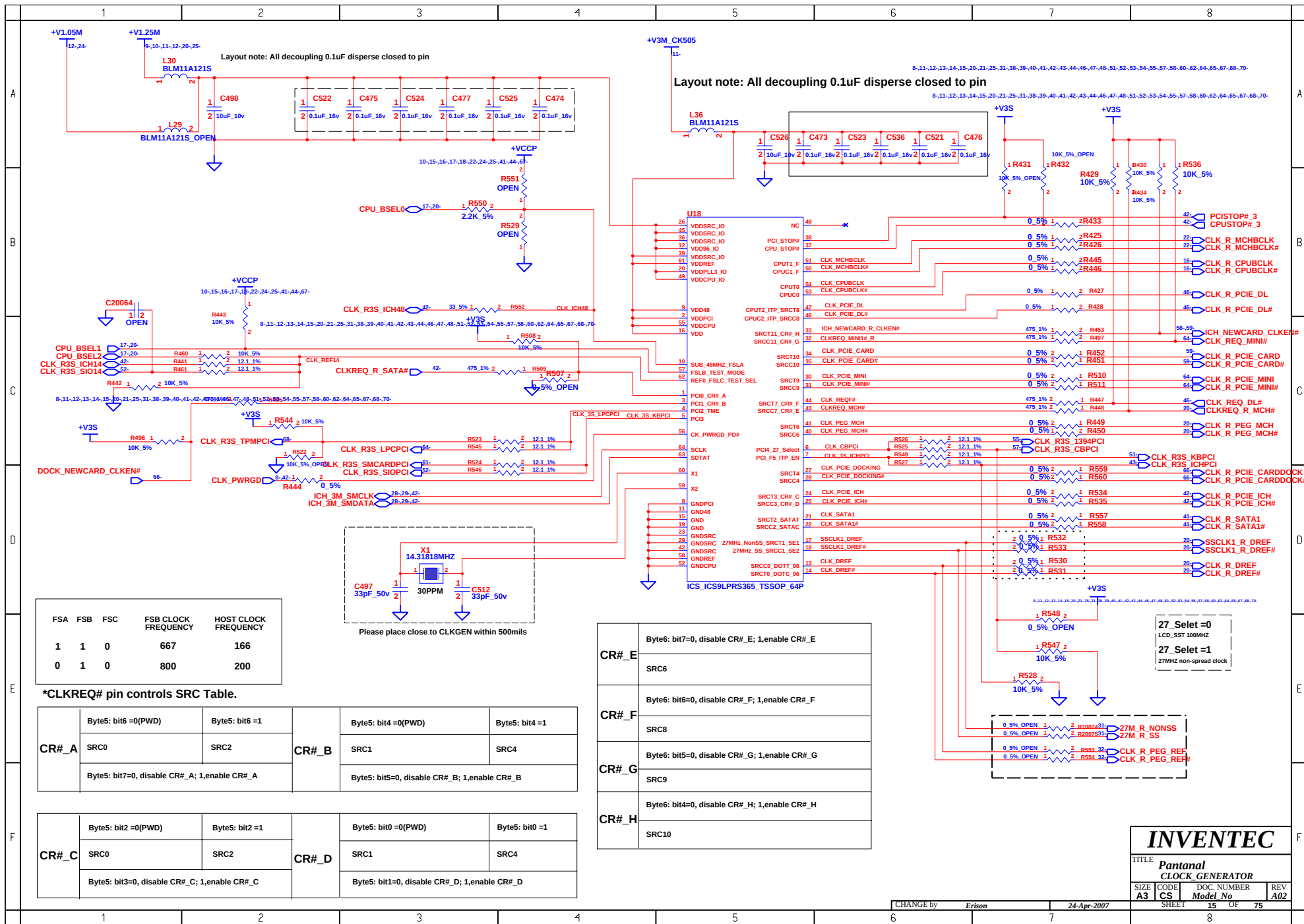
# INVENTEC

TITLE  
**Pantanal  
SYSTEM PWR**

| SIZE | CODE | DOC. NUMBER | REV |
|------|------|-------------|-----|
| A3   | CS   | Model No    | A02 |

CHANGE by *Erison* 18-Apr-2007

SHEET 14 OF 75



| FSA | FSB | FSC | FSB CLOCK FREQUENCY | HOST CLOCK FREQUENCY |
|-----|-----|-----|---------------------|----------------------|
| 1   | 1   | 0   | 667                 | 166                  |
| 0   | 1   | 0   | 800                 | 200                  |

\*CLKREQ# pin controls SRC Table.

|       |                                              |                |       |                                              |                |
|-------|----------------------------------------------|----------------|-------|----------------------------------------------|----------------|
| CR#_A | Byte5: bit6 =0(PWD)                          | Byte5: bit6 =1 | CR#_B | Byte5: bit4 =0(PWD)                          | Byte5: bit4 =1 |
|       | SRC0                                         | SRC2           |       | SRC1                                         | SRC4           |
|       | Byte5: bit7=0, disable CR#_A; 1,enable CR#_A |                |       | Byte5: bit5=0, disable CR#_B; 1,enable CR#_B |                |

|       |                                              |                |       |                                              |                |
|-------|----------------------------------------------|----------------|-------|----------------------------------------------|----------------|
| CR#_C | Byte5: bit2 =0(PWD)                          | Byte5: bit2 =1 | CR#_D | Byte5: bit0 =0(PWD)                          | Byte5: bit0 =1 |
|       | SRC0                                         | SRC2           |       | SRC1                                         | SRC4           |
|       | Byte5: bit3=0, disable CR#_C; 1,enable CR#_C |                |       | Byte5: bit1=0, disable CR#_D; 1,enable CR#_D |                |

|       |                                              |
|-------|----------------------------------------------|
| CR#_E | Byte6: bit7=0, disable CR#_E; 1,enable CR#_E |
| SRC6  |                                              |
| CR#_F | Byte6: bit6=0, disable CR#_F; 1,enable CR#_F |
| SRC8  |                                              |
| CR#_G | Byte6: bit5=0, disable CR#_G; 1,enable CR#_G |
| SRC9  |                                              |
| CR#_H | Byte6: bit4=0, disable CR#_H; 1,enable CR#_H |
| SRC10 |                                              |

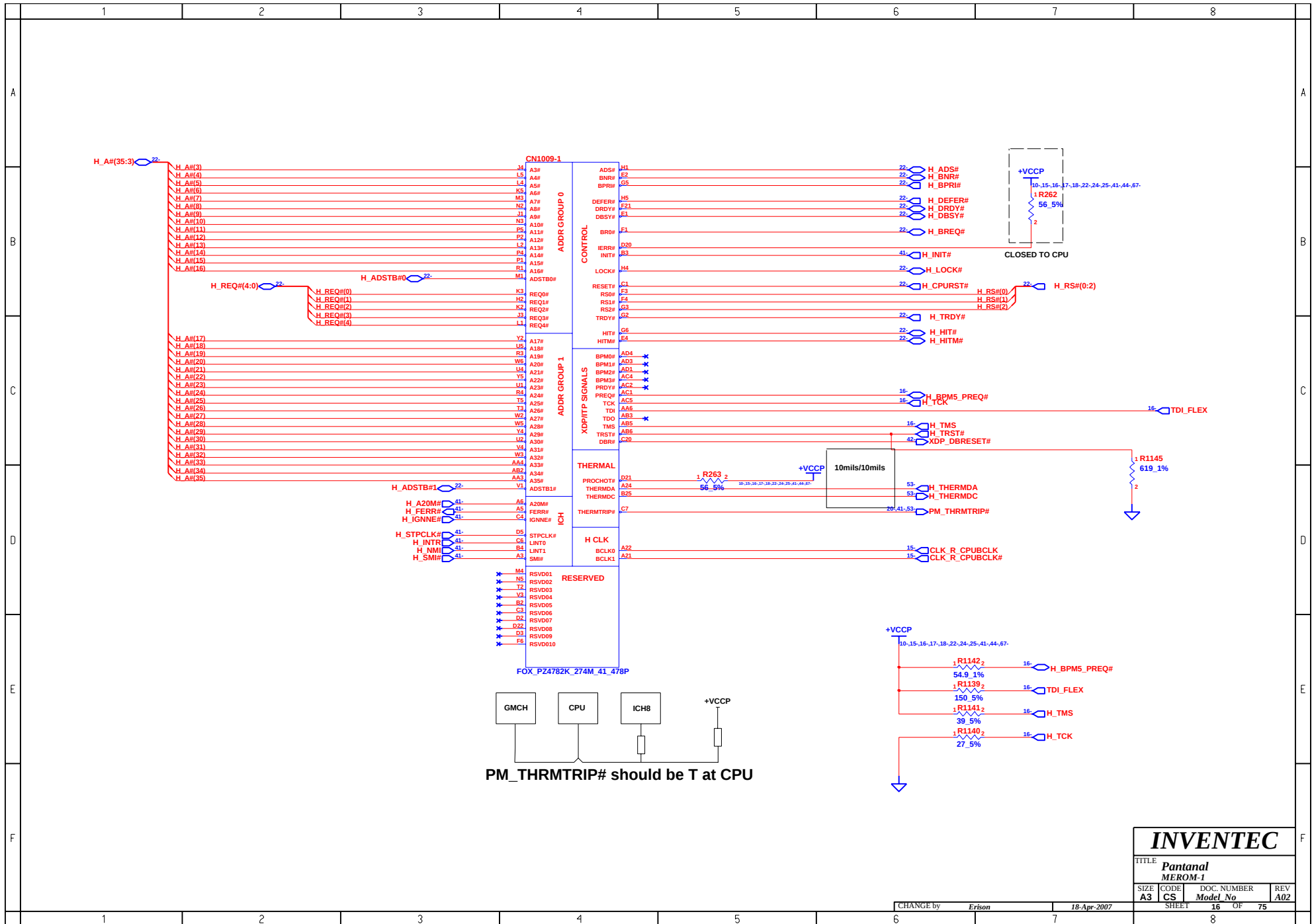
INVENTEC

TITLE  
Pantanal  
CLOCK GENERATOR

|            |            |                         |            |
|------------|------------|-------------------------|------------|
| SIZE<br>A3 | CODE<br>CS | DOC. NUMBER<br>Model No | REV<br>A02 |
|------------|------------|-------------------------|------------|

CHANGE by *Erison* 24-Apr-2007

SHEET 15 OF 75

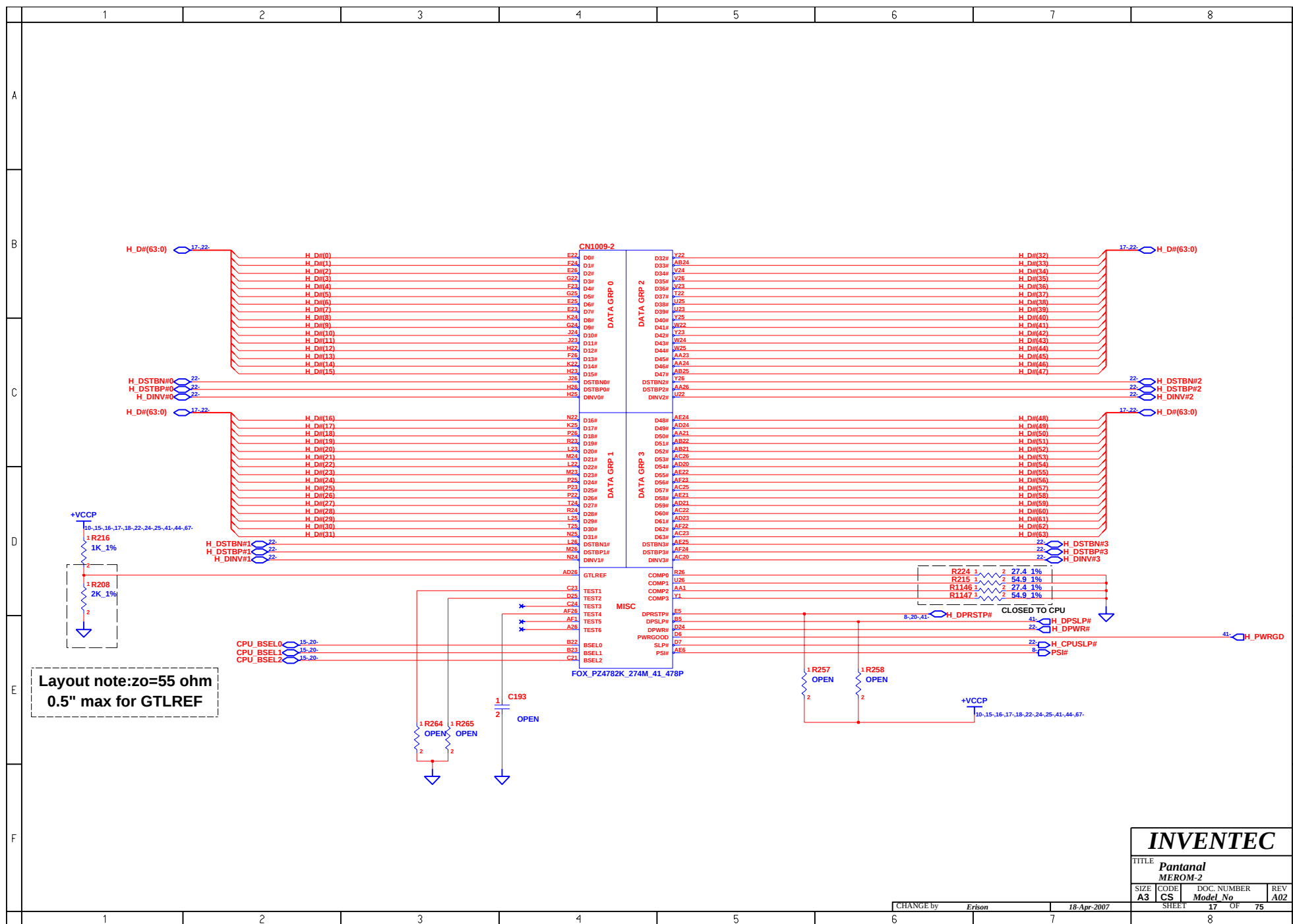


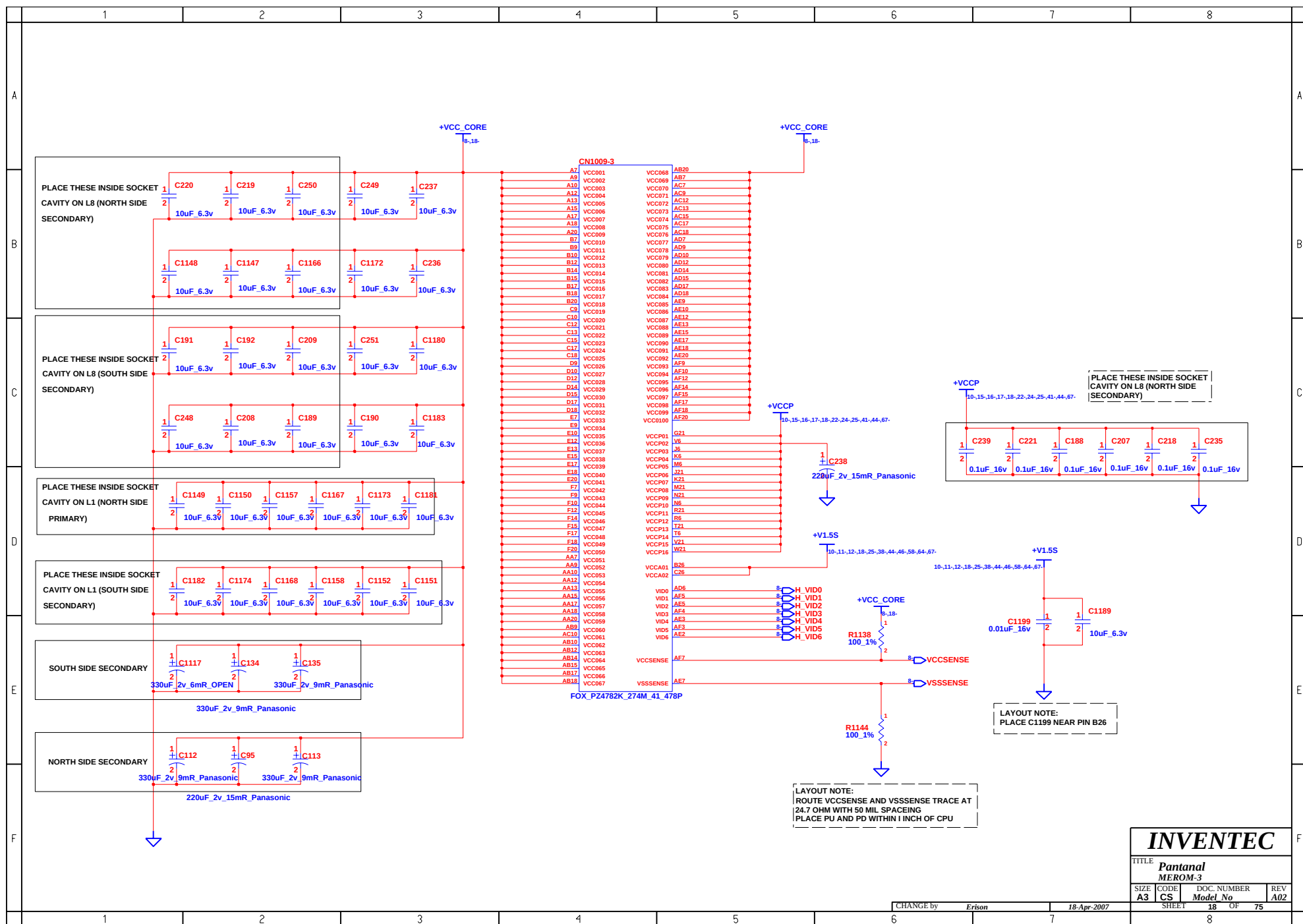
**INVENTEC**

|          |      |             |     |
|----------|------|-------------|-----|
| TITLE    |      |             |     |
| Pantanal |      |             |     |
| MEROM-1  |      |             |     |
| SIZE     | CODE | DOC. NUMBER | REV |
| A3       | CS   | Model No    | A02 |

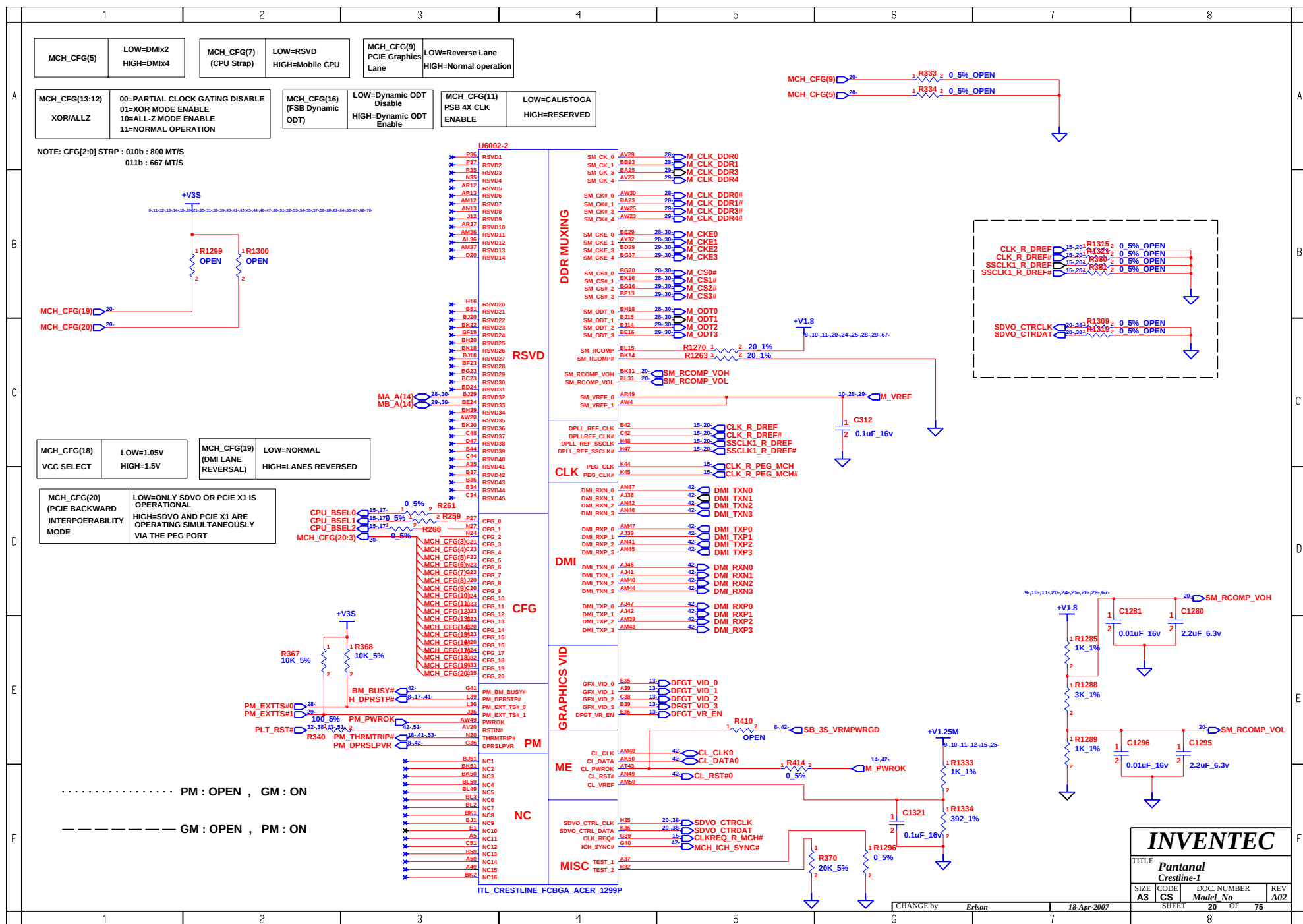
CHANGE by Erison 18-Apr-2007

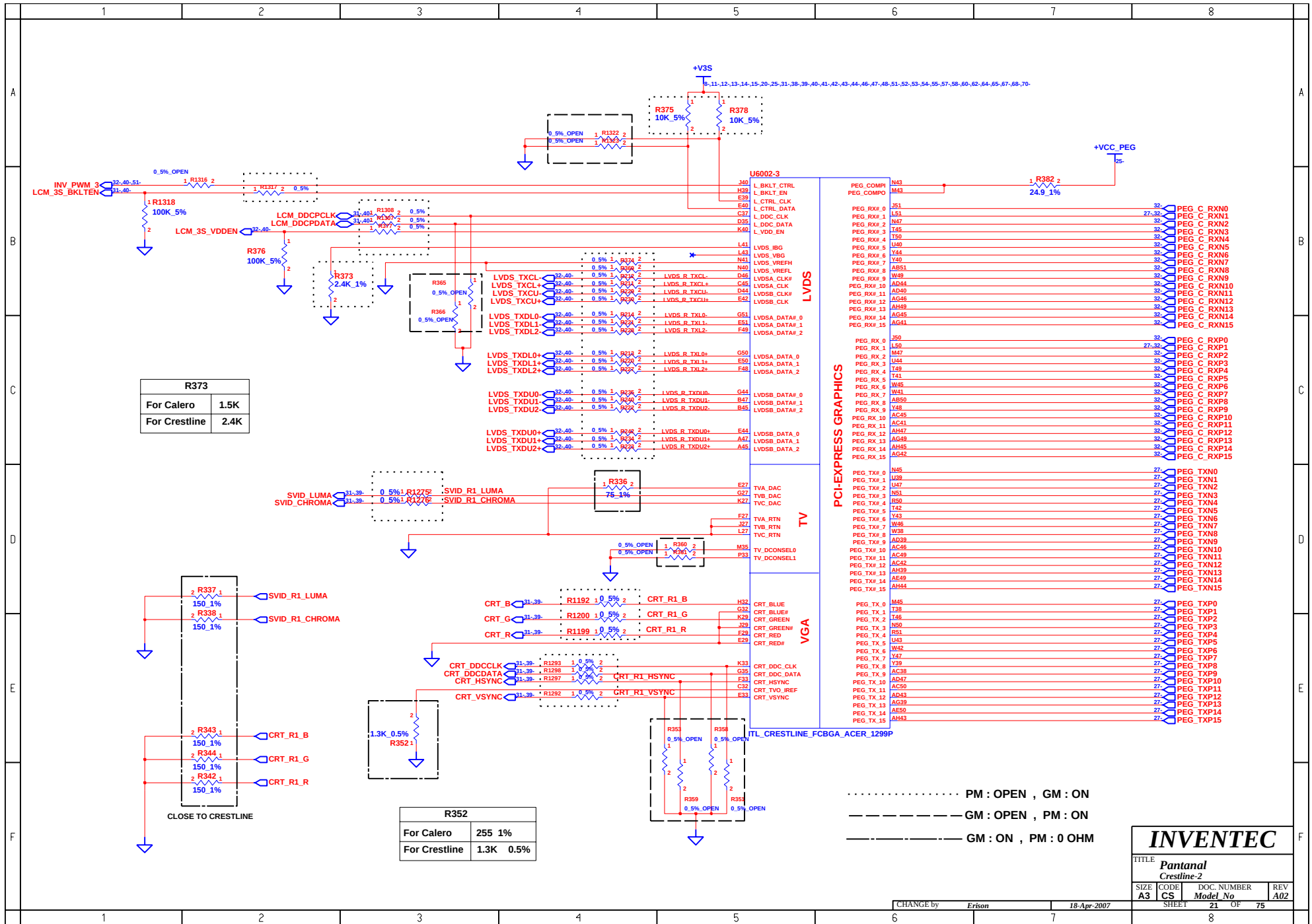
SHEET 16 OF 75





|   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |   |   |   |   |   |   |
|---|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|---|---|
|   | 1 | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 3 | 4 | 5 | 6 | 7 | 8 |
| A |   | <div><div>CN1009-4</div><div><div><div><div><div>VSS001</div><div>VSS082</div><div>P6</div></div><div><div><div>VSS002</div><div>VSS083</div><div>P21</div></div><div><div><div>VSS003</div><div>VSS084</div><div>P24</div></div><div><div><div>VSS004</div><div>VSS085</div><div>R2</div></div><div><div><div>VSS005</div><div>VSS086</div><div>R5</div></div><div><div><div>VSS006</div><div>VSS087</div><div>R22</div></div><div><div><div>VSS007</div><div>VSS088</div><div>R25</div></div><div><div><div>VSS008</div><div>VSS089</div><div>T1</div></div><div><div><div>VSS009</div><div>VSS090</div><div>T4</div></div><div><div><div>VSS010</div><div>VSS091</div><div>T23</div></div><div><div><div>VSS011</div><div>VSS092</div><div>T26</div></div><div><div><div>VSS012</div><div>VSS093</div><div>U3</div></div><div><div><div>VSS013</div><div>VSS094</div><div>U6</div></div><div><div><div>VSS014</div><div>VSS095</div><div>U21</div></div><div><div><div>VSS015</div><div>VSS096</div><div>U24</div></div><div><div><div>VSS016</div><div>VSS097</div><div>V2</div></div><div><div><div>VSS017</div><div>VSS098</div><div>V5</div></div><div><div><div>VSS018</div><div>VSS099</div><div>V23</div></div><div><div><div>VSS019</div><div>VSS100</div><div>V25</div></div><div><div><div>VSS020</div><div>VSS101</div><div>W1</div></div><div><div><div>VSS021</div><div>VSS102</div><div>W4</div></div><div><div><div>VSS022</div><div>VSS103</div><div>W24</div></div><div><div><div>VSS023</div><div>VSS104</div><div>W25</div></div><div><div><div>VSS024</div><div>VSS105</div><div>Y3</div></div><div><div><div>VSS025</div><div>VSS106</div><div>Y6</div></div><div><div><div>D1</div><div>VSS026</div><div>VSS107</div></div><div><div><div>D4</div><div>VSS027</div><div>VSS108</div></div><div><div><div>D8</div><div>VSS028</div><div>VSS109</div></div><div><div><div>D11</div><div>VSS029</div><div>VSS110</div></div><div><div><div>D13</div><div>VSS030</div><div>VSS111</div></div><div><div><div>D15</div><div>VSS031</div><div>VSS112</div></div><div><div><div>D18</div><div>VSS032</div><div>VSS113</div></div><div><div><div>D23</div><div>VSS033</div><div>VSS114</div></div><div><div><div>D26</div><div>VSS034</div><div>VSS115</div></div><div><div><div>E3</div><div>VSS035</div><div>VSS116</div></div><div><div><div>E6</div><div>VSS036</div><div>VSS117</div></div><div><div><div>E8</div><div>VSS037</div><div>VSS118</div></div><div><div><div>E11</div><div>VSS038</div><div>VSS119</div></div><div><div><div>E14</div><div>VSS039</div><div>VSS120</div></div><div><div><div>E16</div><div>VSS040</div><div>VSS121</div></div><div><div><div>E19</div><div>VSS041</div><div>VSS122</div></div><div><div><div>E21</div><div>VSS042</div><div>VSS123</div></div><div><div><div>E24</div><div>VSS043</div><div>VSS124</div></div><div><div><div>F3</div><div>VSS044</div><div>VSS125</div></div><div><div><div>F6</div><div>VSS045</div><div>VSS126</div></div><div><div><div>F11</div><div>VSS046</div><div>VSS127</div></div><div><div><div>F13</div><div>VSS047</div><div>VSS128</div></div><div><div><div>F16</div><div>VSS048</div><div>VSS129</div></div><div><div><div>F18</div><div>VSS049</div><div>VSS130</div></div><div><div><div>F2</div><div>VSS050</div><div>VSS131</div></div><div><div><div>F22</div><div>VSS051</div><div>VSS132</div></div><div><div><div>F25</div><div>VSS052</div><div>VSS133</div></div><div><div><div>G4</div><div>VSS053</div><div>VSS134</div></div><div><div><div>G1</div><div>VSS054</div><div>VSS135</div></div><div><div><div>G23</div><div>VSS055</div><div>VSS136</div></div><div><div><div>G26</div><div>VSS056</div><div>VSS137</div></div><div><div><div>H1</div><div>VSS057</div><div>VSS138</div></div><div><div><div>H6</div><div>VSS058</div><div>VSS139</div></div><div><div><div>H21</div><div>VSS059</div><div>VSS140</div></div><div><div><div>H24</div><div>VSS060</div><div>VSS141</div></div><div><div><div>J2</div><div>VSS061</div><div>VSS142</div></div><div><div><div>J5</div><div>VSS062</div><div>VSS143</div></div><div><div><div>J22</div><div>VSS063</div><div>VSS144</div></div><div><div><div>J25</div><div>VSS064</div><div>VSS145</div></div><div><div><div>K1</div><div>VSS065</div><div>VSS146</div></div><div><div><div>K4</div><div>VSS066</div><div>VSS147</div></div><div><div><div>K23</div><div>VSS067</div><div>VSS148</div></div><div><div><div>K26</div><div>VSS068</div><div>VSS149</div></div><div><div><div>L3</div><div>VSS069</div><div>VSS150</div></div><div><div><div>L6</div><div>VSS070</div><div>VSS151</div></div><div><div><div>L21</div><div>VSS071</div><div>VSS152</div></div><div><div><div>L24</div><div>VSS072</div><div>VSS153</div></div><div><div><div>M2</div><div>VSS073</div><div>VSS154</div></div><div><div><div>M5</div><div>VSS074</div><div>VSS155</div></div><div><div><div>M22</div><div>VSS075</div><div>VSS156</div></div><div><div><div>M25</div><div>VSS076</div><div>VSS157</div></div><div><div><div>N1</div><div>VSS077</div><div>VSS158</div></div><div><div><div>N4</div><div>VSS078</div><div>VSS159</div></div><div><div><div>N23</div><div>VSS079</div><div>VSS160</div></div><div><div><div>N26</div><div>VSS080</div><div>VSS161</div></div><div><div><div>P3</div><div>VSS081</div><div>VSS162</div></div><div><div><div>VSS163</div><div>AF25</div><div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div> </ |   |   |   |   |   |   |

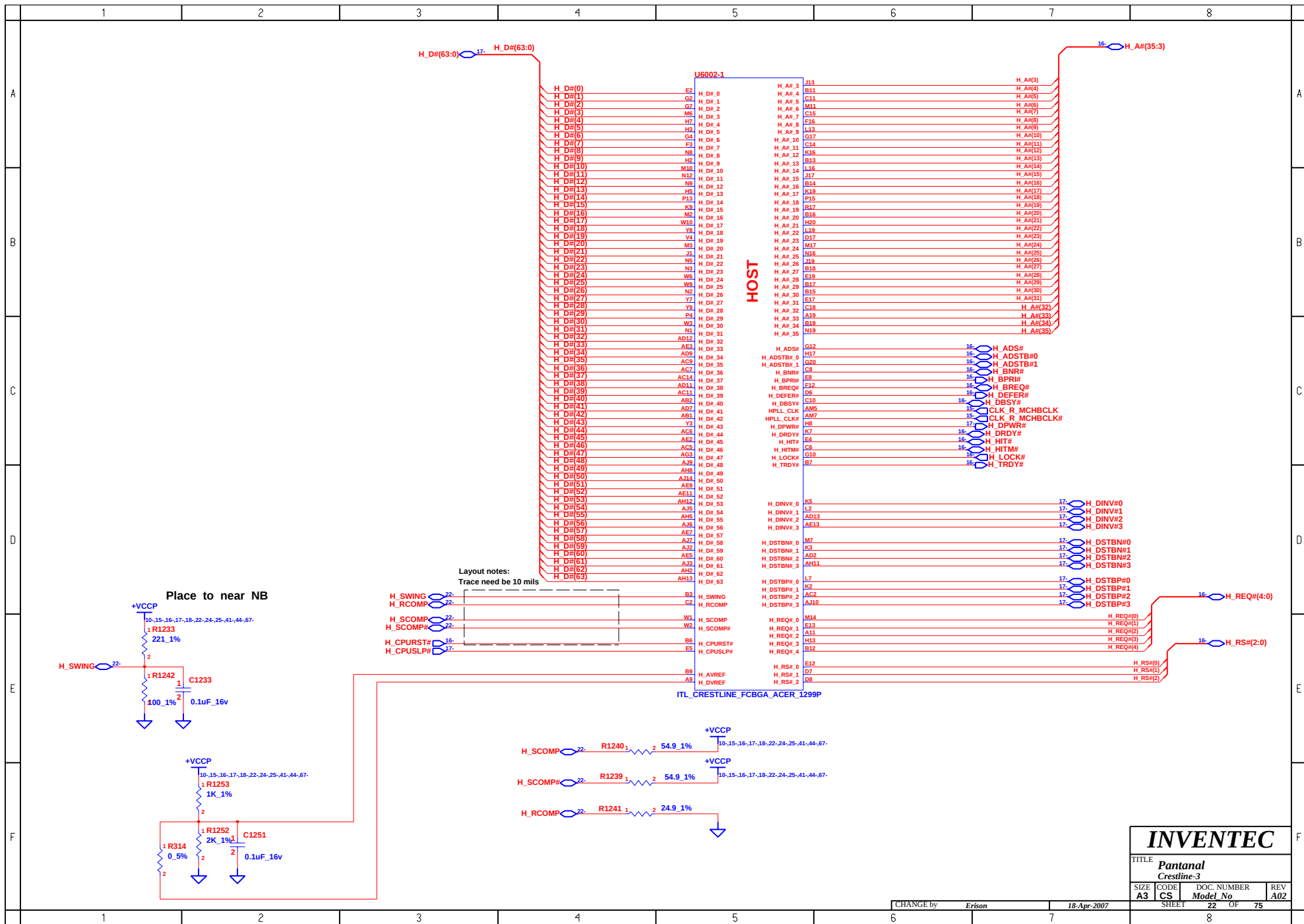


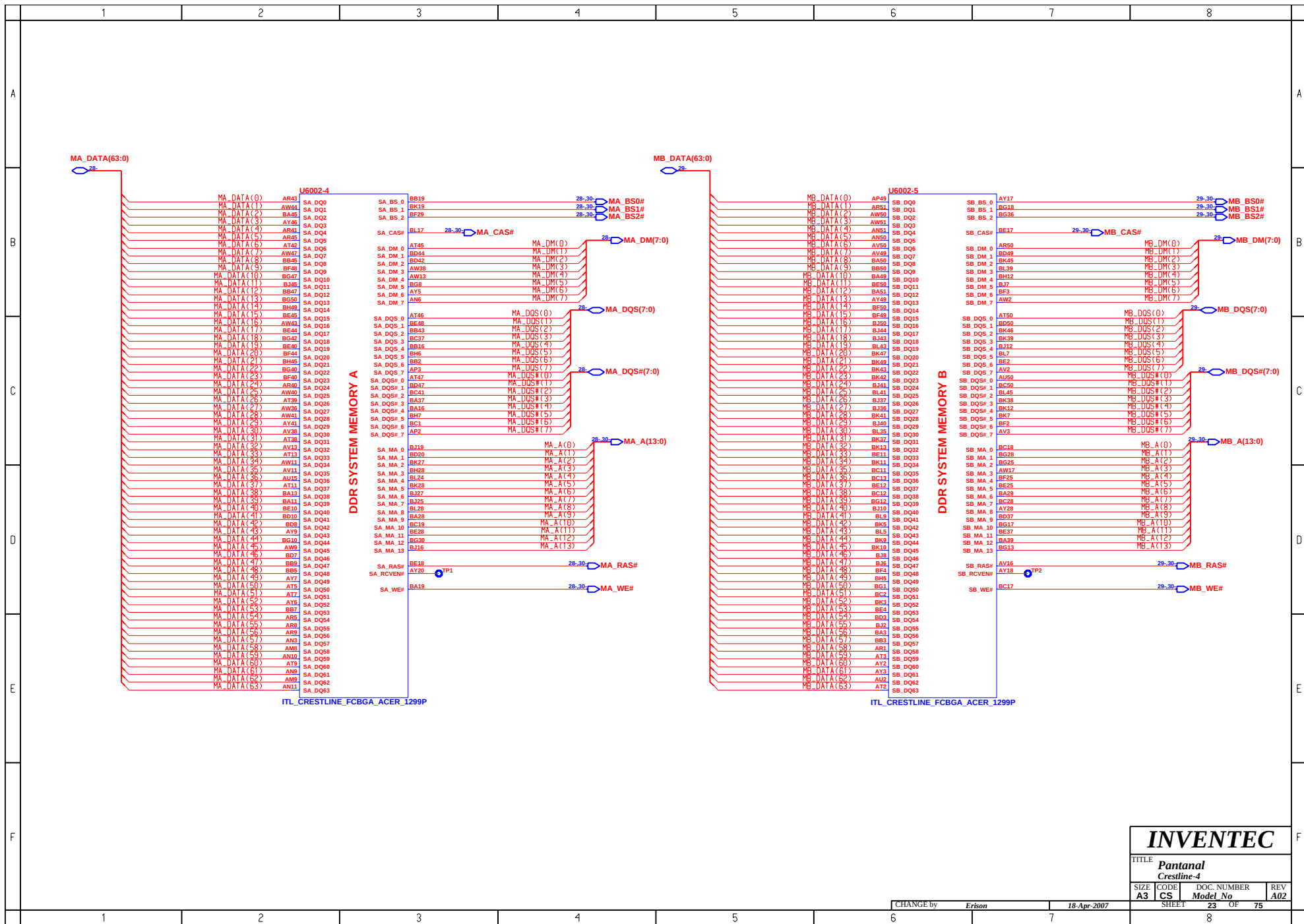


**INVENTEC**

|                                  |            |                         |            |
|----------------------------------|------------|-------------------------|------------|
| TITLE<br>Pantanal<br>Crestline-2 |            |                         |            |
| SIZE<br>A3                       | CODE<br>CS | DOC. NUMBER<br>Model No | REV<br>A02 |
| SHEET<br>21                      |            | OF<br>75                |            |

CHANGE by *Erison* 18-Apr-2007



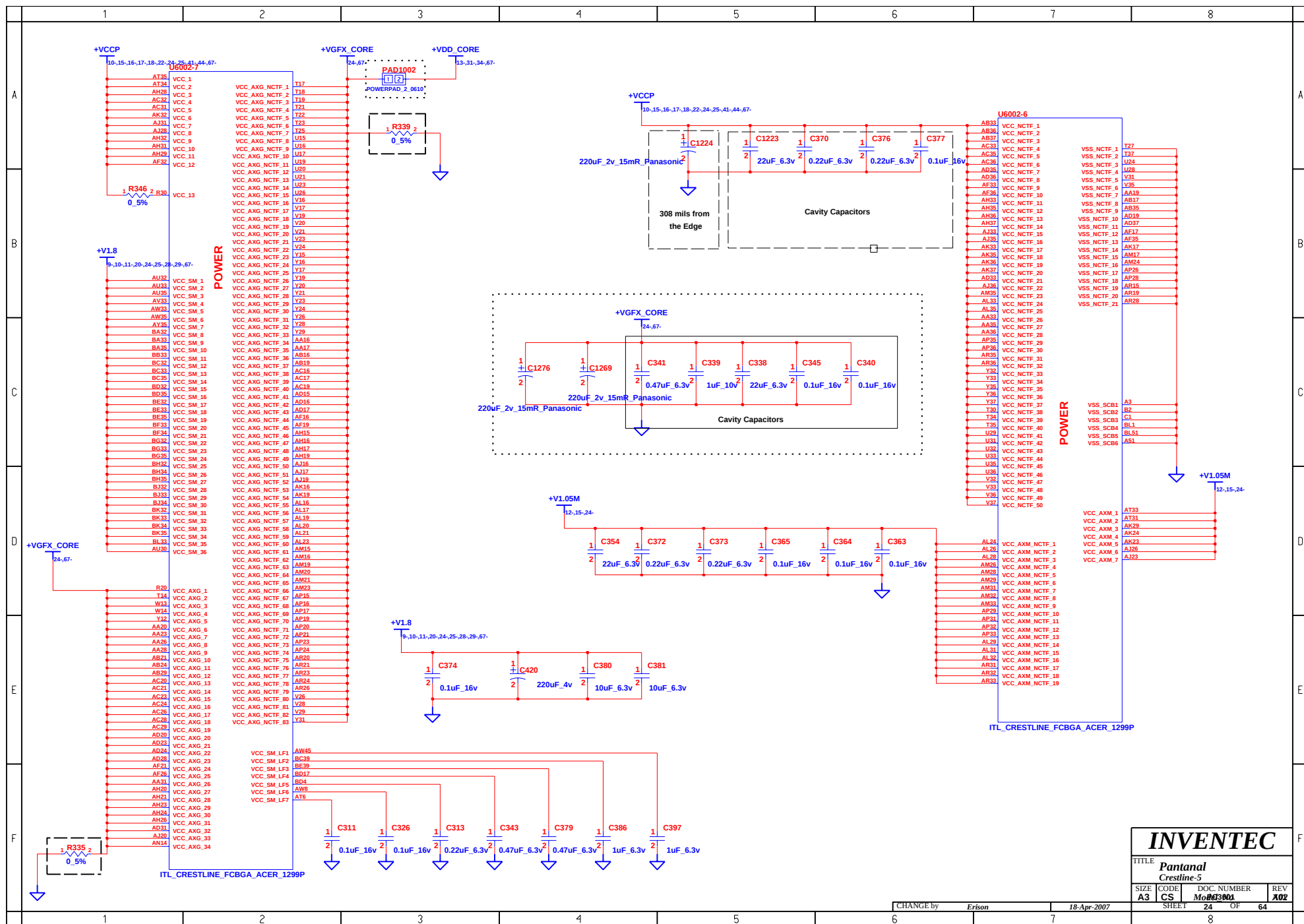


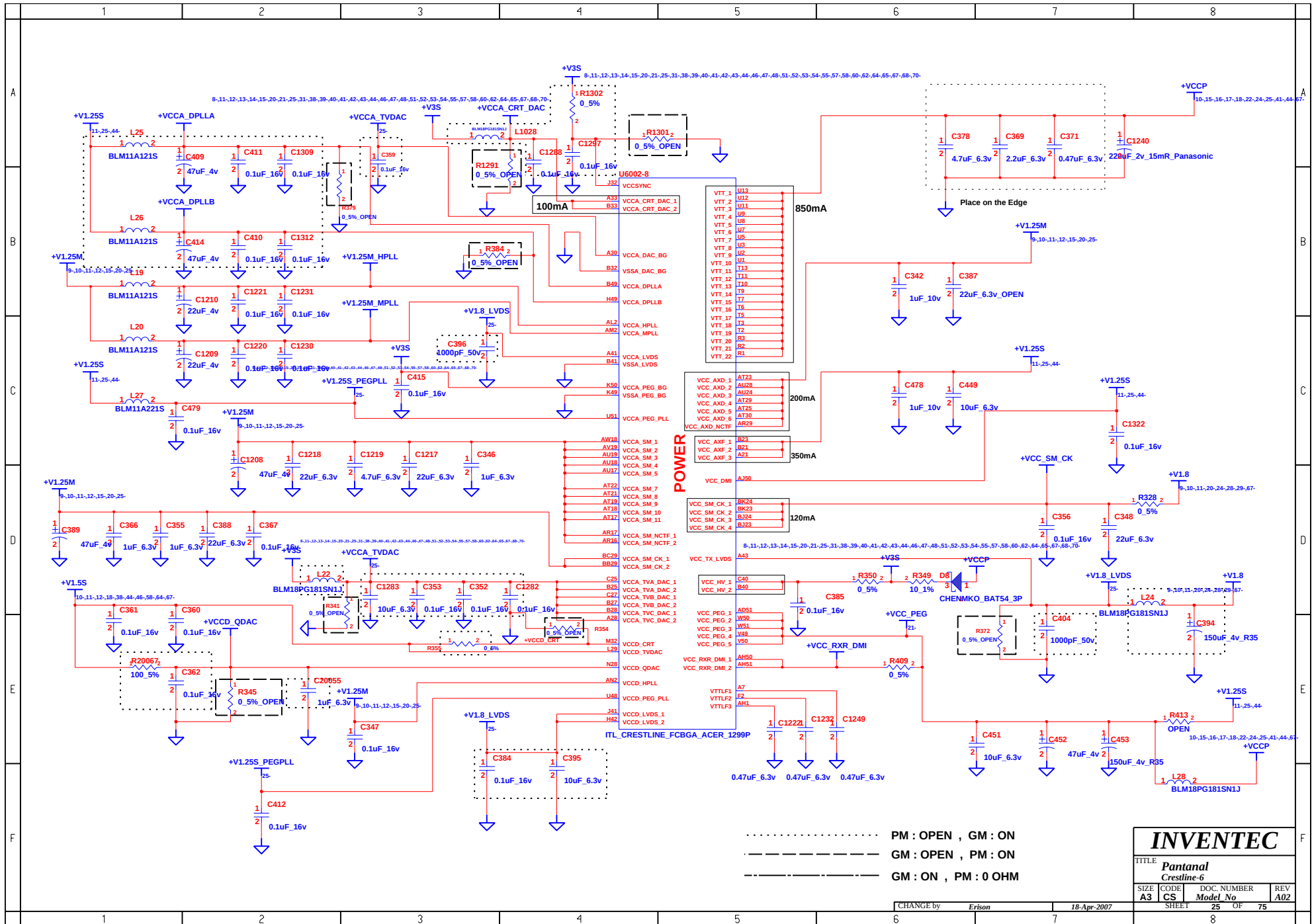
# INVENTEC

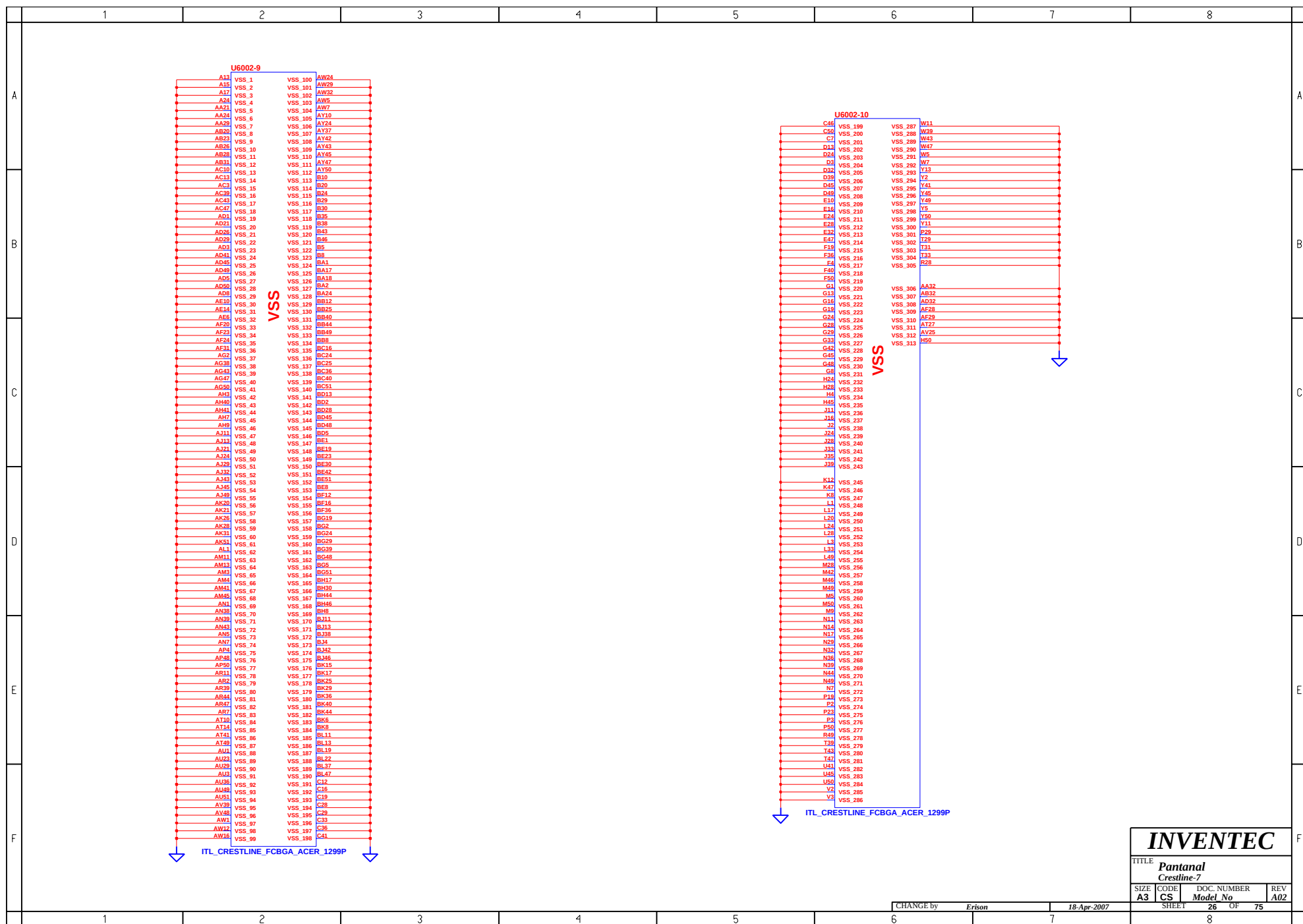
|                      |      |             |     |
|----------------------|------|-------------|-----|
| TITLE                |      |             |     |
| Pantanal Crestline-4 |      |             |     |
| SIZE                 | CODE | DOC. NUMBER | REV |
| A3                   | CS   | Model No    | A02 |

CHANGE by Erison 18-Apr-2007

SHEET 23 OF 75







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

PEG\_TXP0

21-27-

C441

1

2

0.1uF 16v

32

PEG\_C\_TXP0

PEG\_TXP1

21-27-

C447

1

2

0.1uF 16v

32

PEG\_C\_TXP1

PEG\_TXP2

21-27-

C445

1

2

0.1uF 16v

32

PEG\_C\_TXP2

PEG\_TXP3

21-27-

C443

1

2

0.1uF 16v

32

PEG\_C\_TXP3

PEG\_TXP4

21-

C458

1

2

0.1uF 16v

32

PEG\_C\_TXP4

PEG\_TXP5

21-

C456

1

2

0.1uF 16v

32

PEG\_C\_TXP5

PEG\_TXP6

21-

C432

1

2

0.1uF 16v

32

PEG\_C\_TXP6

PEG\_TXP7

21-

C466

1

2

0.1uF 16v

32

PEG\_C\_TXP7

PEG\_TXP8

21-

C431

1

2

0.1uF 16v

32

PEG\_C\_TXP8

PEG\_TXP9

21-

C434

1

2

0.1uF 16v

32

PEG\_C\_TXP9

PEG\_TXP10

21-

C470

1

2

0.1uF 16v

32

PEG\_C\_TXP10

PEG\_TXP11

21-

C468

1

2

0.1uF 16v

32

PEG\_C\_TXP11

PEG\_TXP12

21-

C437

1

2

0.1uF 16v

32

PEG\_C\_TXP12

PEG\_TXP13

21-

C438

1

2

0.1uF 16v

32

PEG\_C\_TXP13

PEG\_TXP14

21-

C472

1

2

0.1uF 16v

32

PEG\_C\_TXP14

PEG\_TXP15

21-

C459

1

2

0.1uF 16v

32

PEG\_C\_TXP15

PEG\_TXN0

21-27-

C442

1

2

0.1uF 16v

32

PEG\_C\_TXN0

PEG\_TXN1

21-27-

C448

1

2

0.1uF 16v

32

PEG\_C\_TXN1

PEG\_TXN2

21-27-

C446

1

2

0.1uF 16v

32

PEG\_C\_TXN2

PEG\_TXN3

21-27-

C444

1

2

0.1uF 16v

32

PEG\_C\_TXN3

PEG\_TXN4

21-

C457

1

2

0.1uF 16v

32

PEG\_C\_TXN4

PEG\_TXN5

21-

C455

1

2

0.1uF 16v

32

PEG\_C\_TXN5

PEG\_TXN6

21-

C433

1

2

0.1uF 16v

32

PEG\_C\_TXN6

PEG\_TXN7

21-

C465

1

2

0.1uF 16v

32

PEG\_C\_TXN7

PEG\_TXN8

21-

C430

1

2

0.1uF 16v

32

PEG\_C\_TXN8

PEG\_TXN9

21-

C435

1

2

0.1uF 16v

32

PEG\_C\_TXN9

PEG\_TXN10

21-

C469

1

2

0.1uF 16v

32

PEG\_C\_TXN10

PEG\_TXN11

21-

C467

1

2

0.1uF 16v

32

PEG\_C\_TXN11

PEG\_TXN12

21-

C436

1

2

0.1uF 16v

32

PEG\_C\_TXN12

PEG\_TXN13

21-

C439

1

2

0.1uF 16v

32

PEG\_C\_TXN13

PEG\_TXN14

21-

C471

1

2

0.1uF 16v

32

PEG\_C\_TXN14

PEG\_TXN15

21-

C460

1

2

0.1uF 16v

32

PEG\_C\_TXN15

GM : OPEN

Place to near NB

PEG\_TXP0

21-27-

C424

1

2

OPEN

38

SDVOB\_R+

PEG\_TXN0

21-27-

C425

1

2

OPEN

38

SDVOB\_R-

PEG\_TXP1

21-27-

C422

1

2

OPEN

38

SDVOB\_G+

PEG\_TXN1

21-27-

C423

1

2

OPEN

38

SDVOB\_G-

PEG\_TXP2

21-27-

C428

1

2

OPEN

38

SDVOB\_B+

PEG\_TXN2

21-27-

C429

1

2

OPEN

38

SDVOB\_B-

PEG\_TXP3

21-27-

C426

1

2

OPEN

38

SDVOB\_CLK+

PEG\_TXN3

21-27-

C427

1

2

OPEN

38

SDVOB\_CLK-

PM : OPEN , GM : ORIGINAL

PEG\_C\_RXN1

21-32-

R394

1

2

0.5% OPEN

38

PEG\_C1\_RXN1

PEG\_C\_RXP1

21-32-

R393

1

2

0.5% OPEN

38

PEG\_C1\_RXP1

DVI : INSTALL

PM : OPEN , GM : SHORT

INVENTEC

TITLE

Pantanal

PCI-E to SDVO

SIZE

A3

CODE

CS

DOC. NUMBER

Model No

REV

A02

CHANGE by

Erison

18-Apr-2007

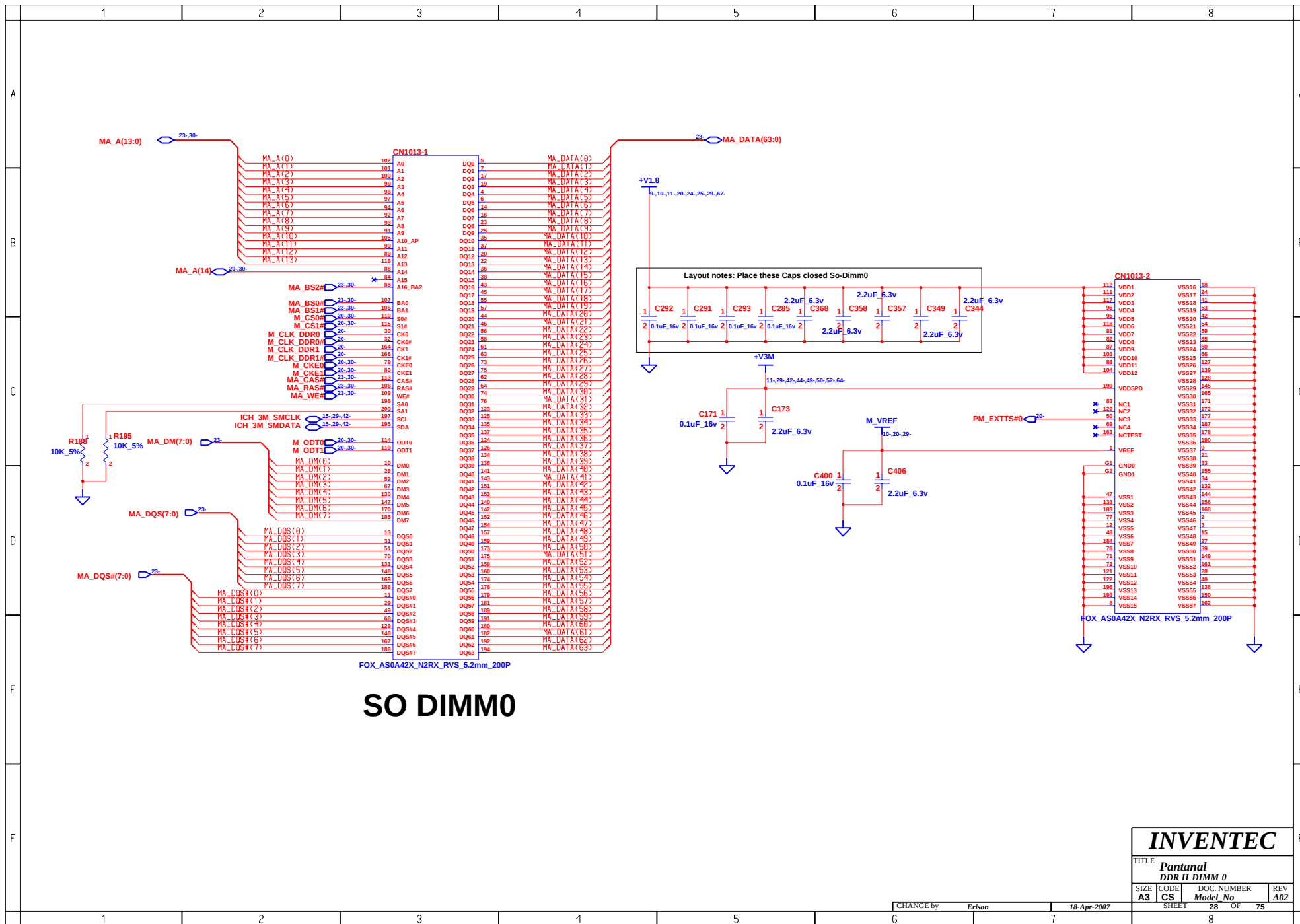
SHEET

27

OF

75

8

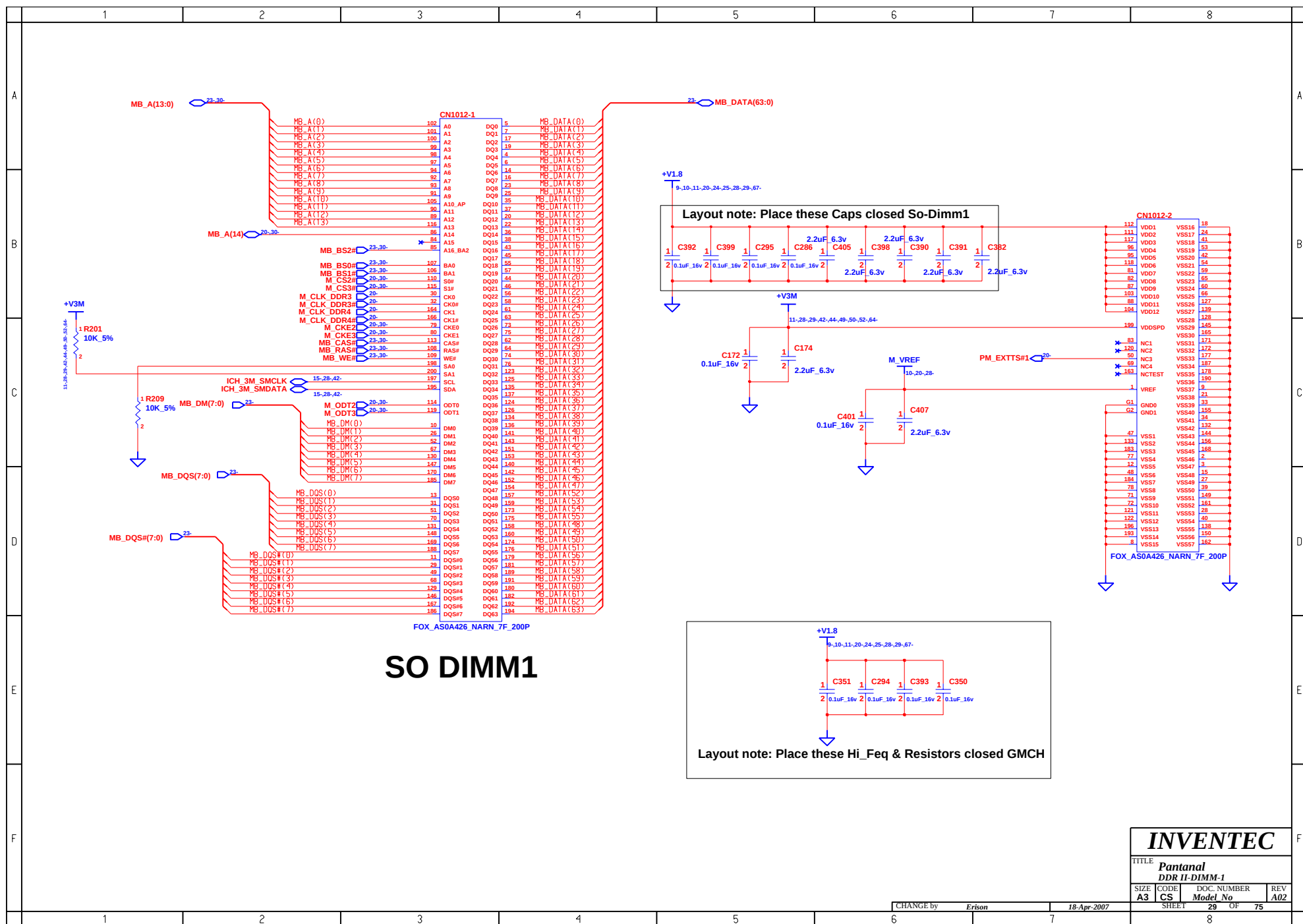


**INVENTEC**

| TITLE         |      |             |     |
|---------------|------|-------------|-----|
| Pantanal      |      |             |     |
| DDR II-DIMM-0 |      |             |     |
| SIZE          | CODE | DOC. NUMBER | REV |
| A3            | CS   | Model No    | A02 |

CHANGE by Erison 18-Apr-2007

SHEET 28 OF 75



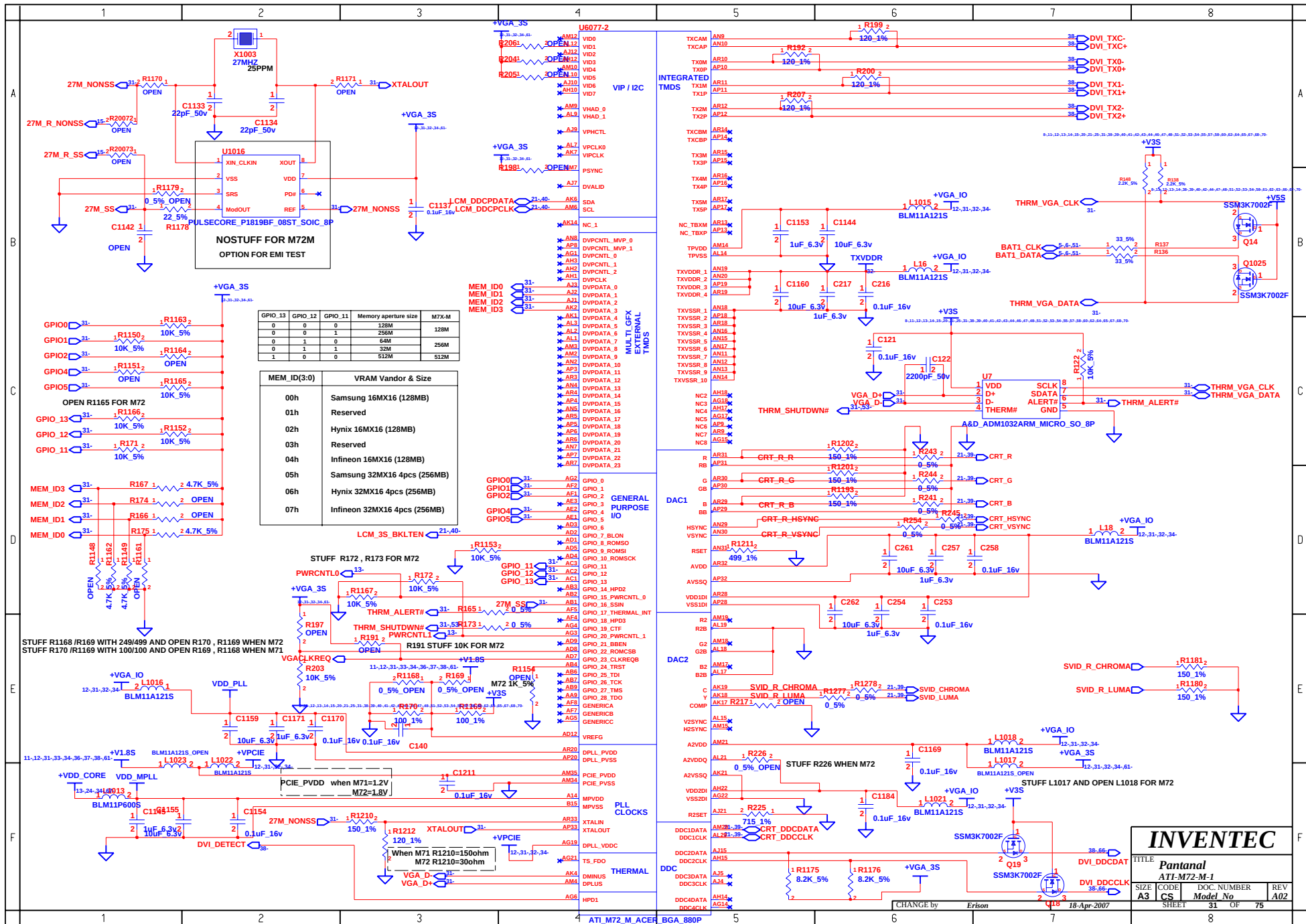


# INVENTEC

|                |      |             |     |
|----------------|------|-------------|-----|
| TITLE          |      |             |     |
| Pantanal       |      |             |     |
| DDR II-DAMPING |      |             |     |
| SIZE           | CODE | DOC. NUMBER | REV |
| A3             | CS   | Model No    | A02 |

CHANGE by *Erison* 18-Apr-2007

SHEET 30 OF 75



**INVENTEC**

**Pantanal**

**ATI-M72-M-1**

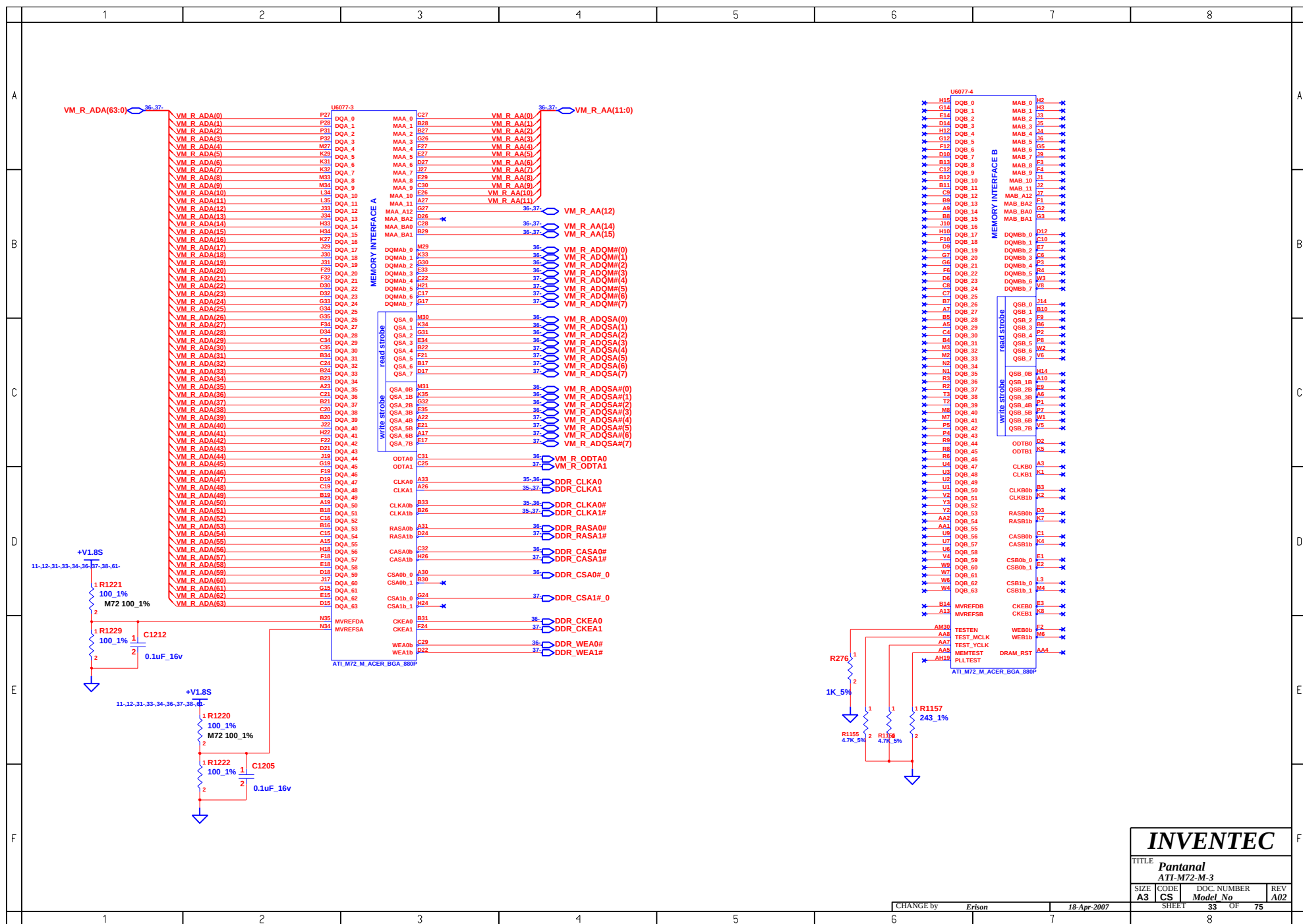
SIZE CODE DOC. NUMBER REV

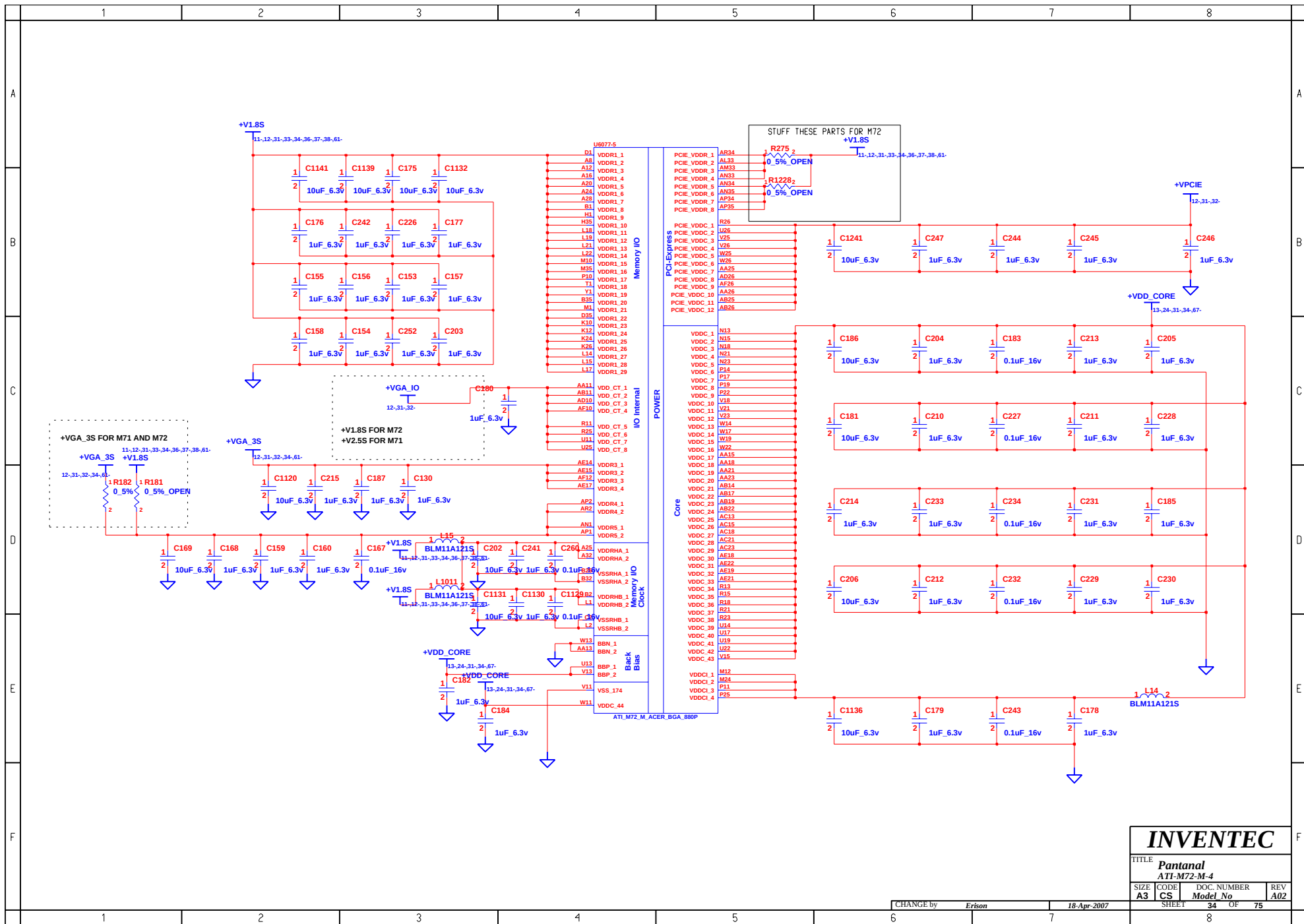
A3 CS Model No 31 Of 75

CHANGE by Erikon

18-Apr-2007





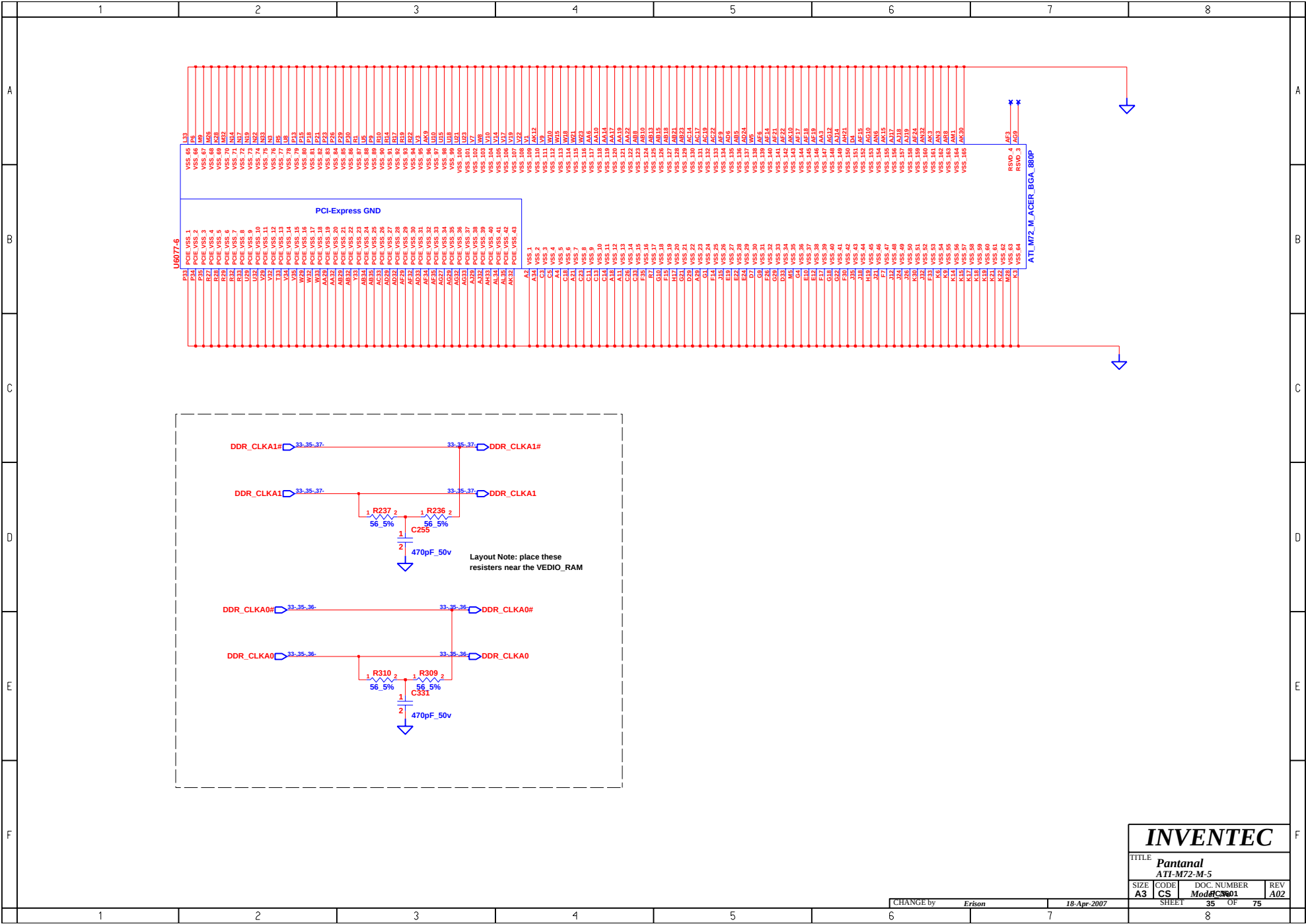


# INVENTEC

|             |      |             |     |
|-------------|------|-------------|-----|
| TITLE       |      |             |     |
| Pantanal    |      |             |     |
| ATI-M72-M-4 |      |             |     |
| SIZE        | CODE | DOC. NUMBER | REV |
| A3          | CS   | Model No    | A02 |

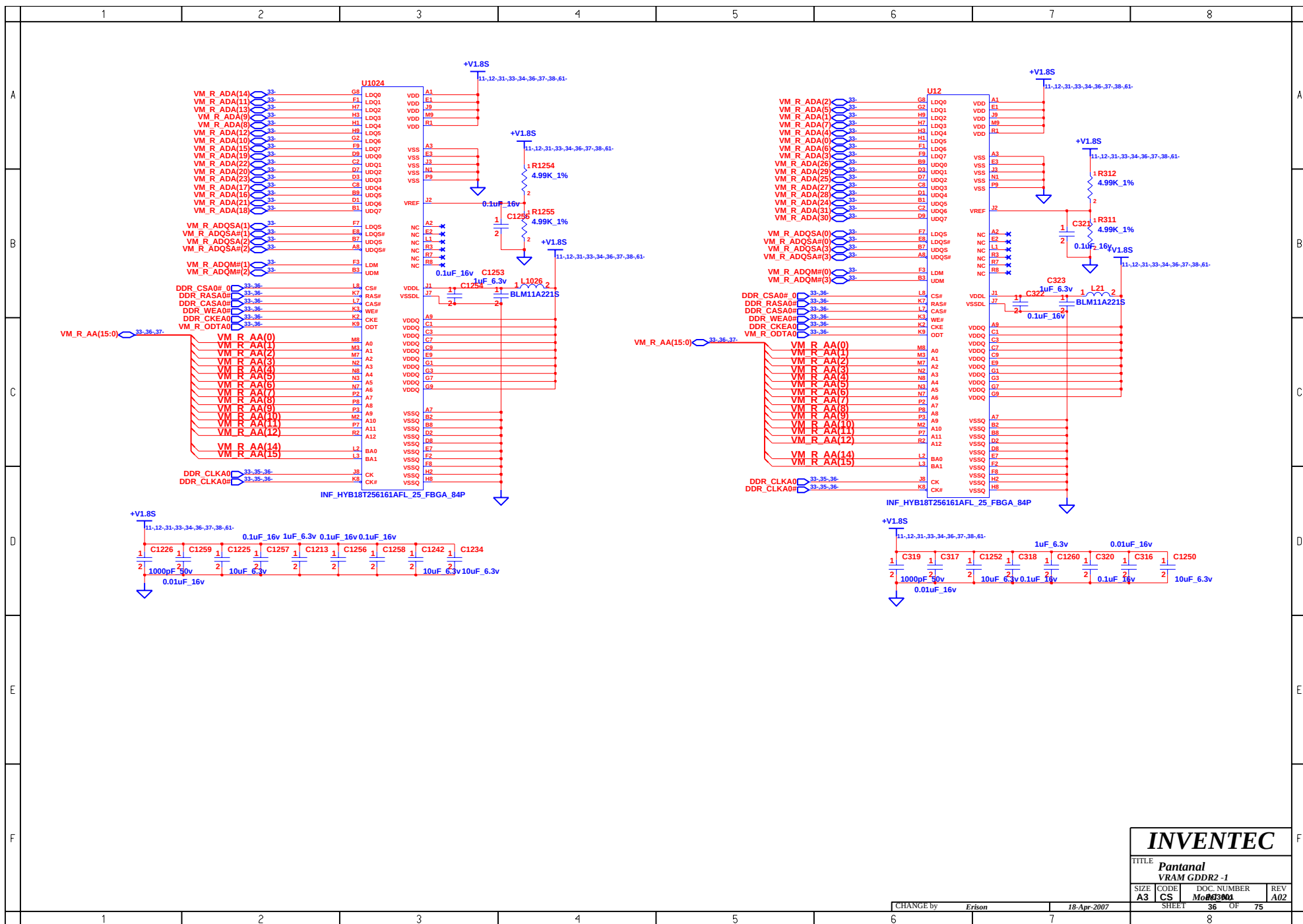
CHANGE by Erison 18-Apr-2007

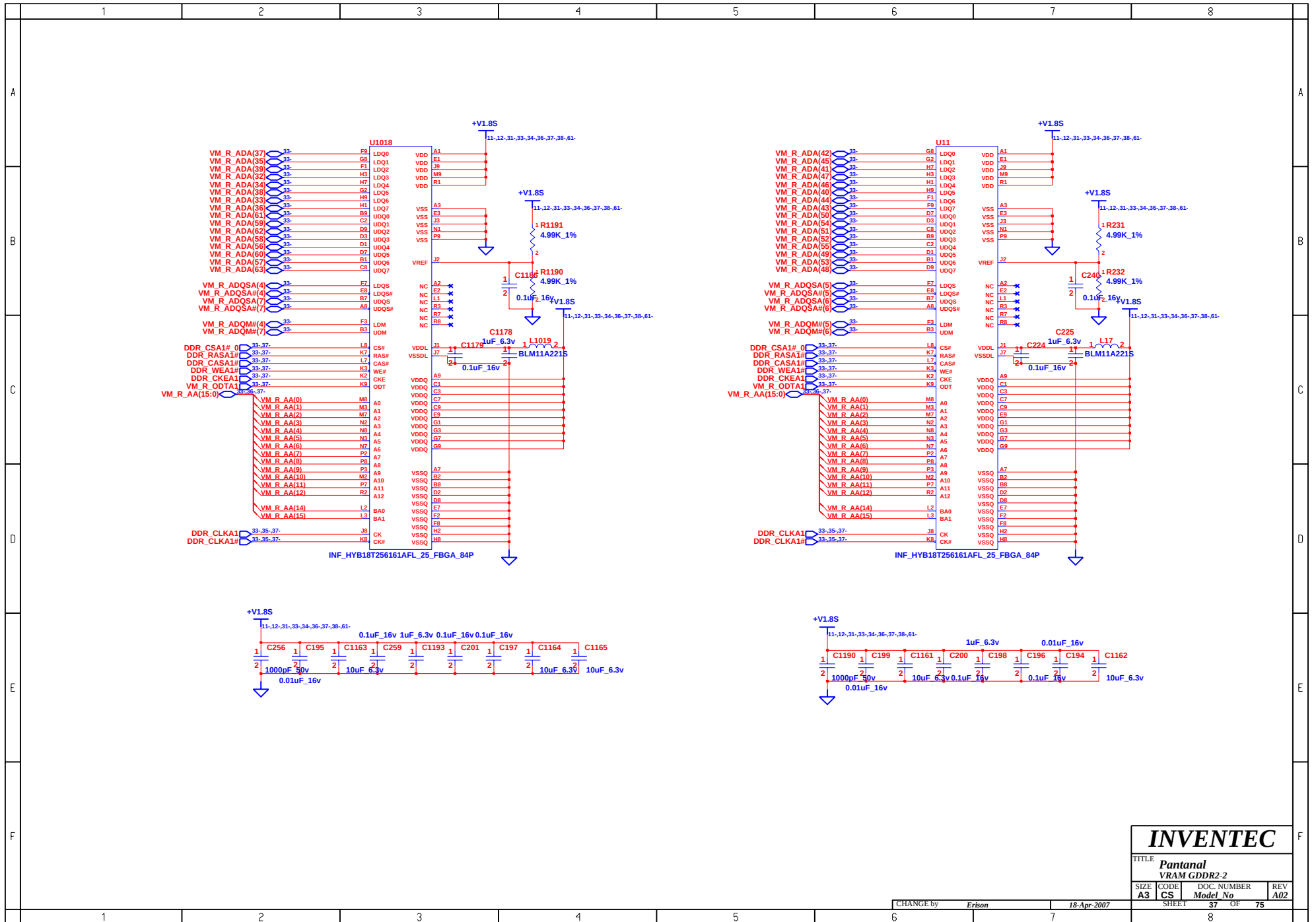
SHEET 34 OF 75

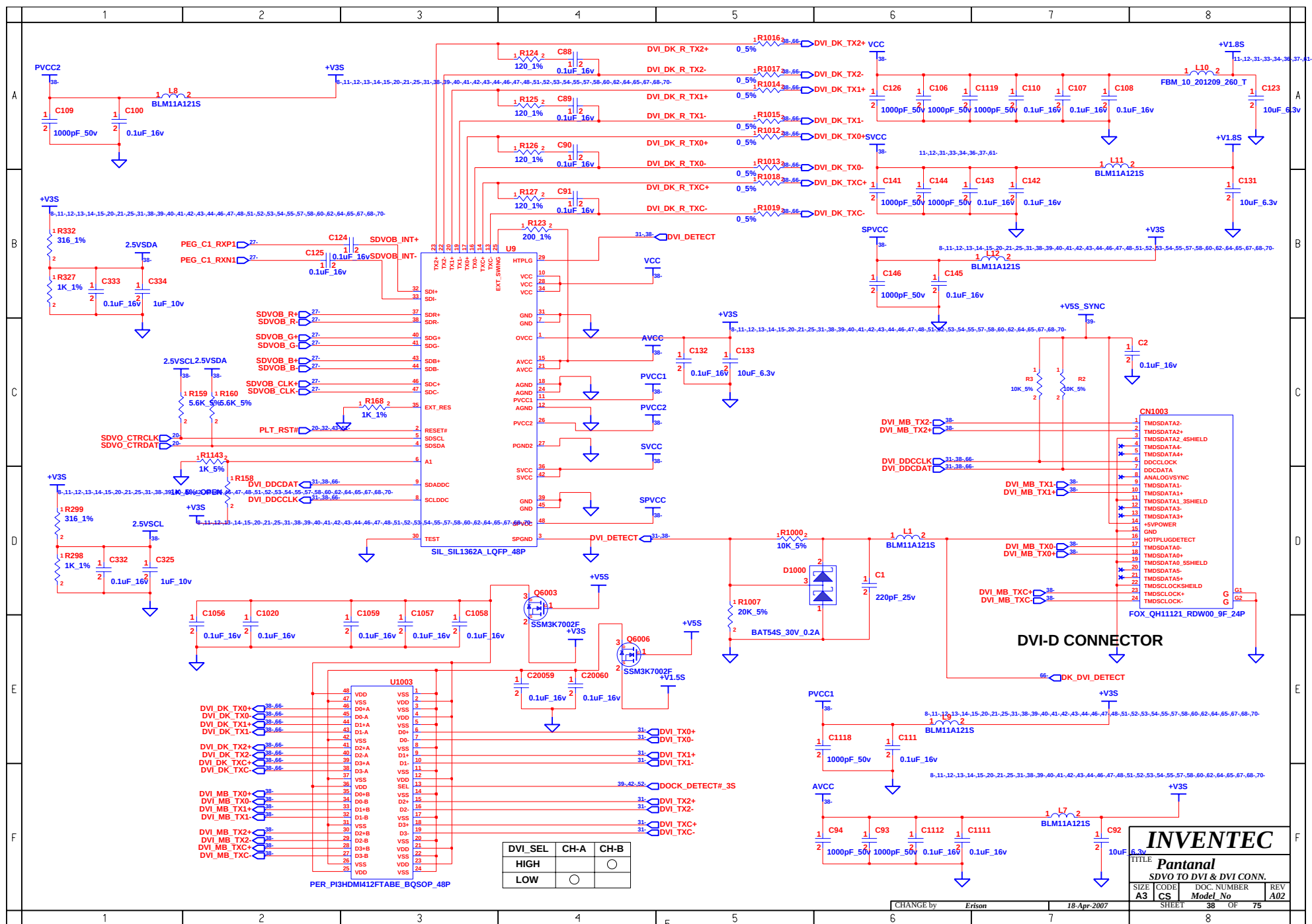


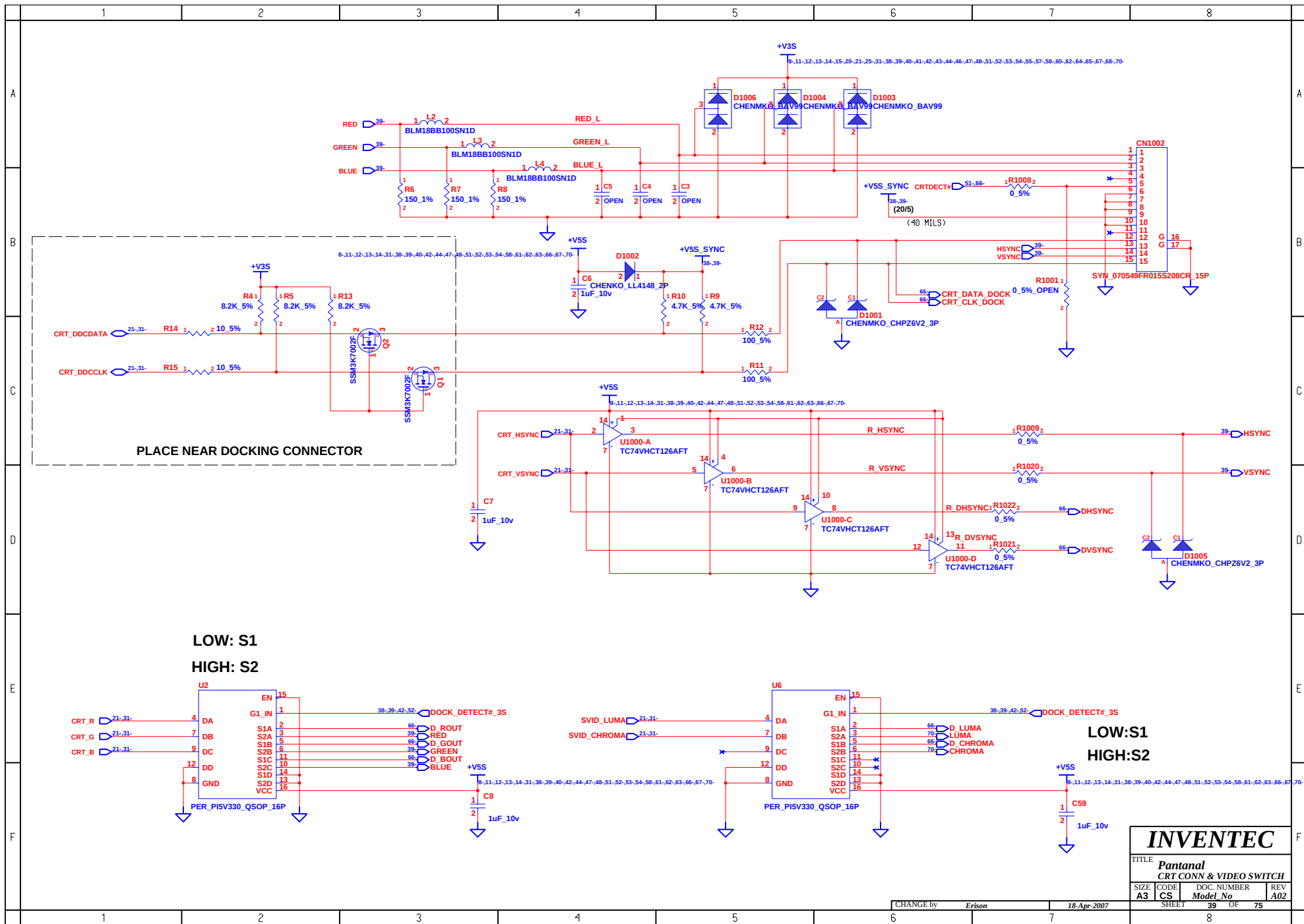
**INVENTEC**

|             |      |             |     |
|-------------|------|-------------|-----|
| TITLE       |      |             |     |
| Pantanal    |      |             |     |
| ATI-M72-M-5 |      |             |     |
| SIZE        | CODE | DOC. NUMBER | REV |
| A3          | CS   | Model#C0001 | A02 |









PLACE NEAR DOCKING CONNECTOR

LOW: S1

HIGH: S2

LOW:S1

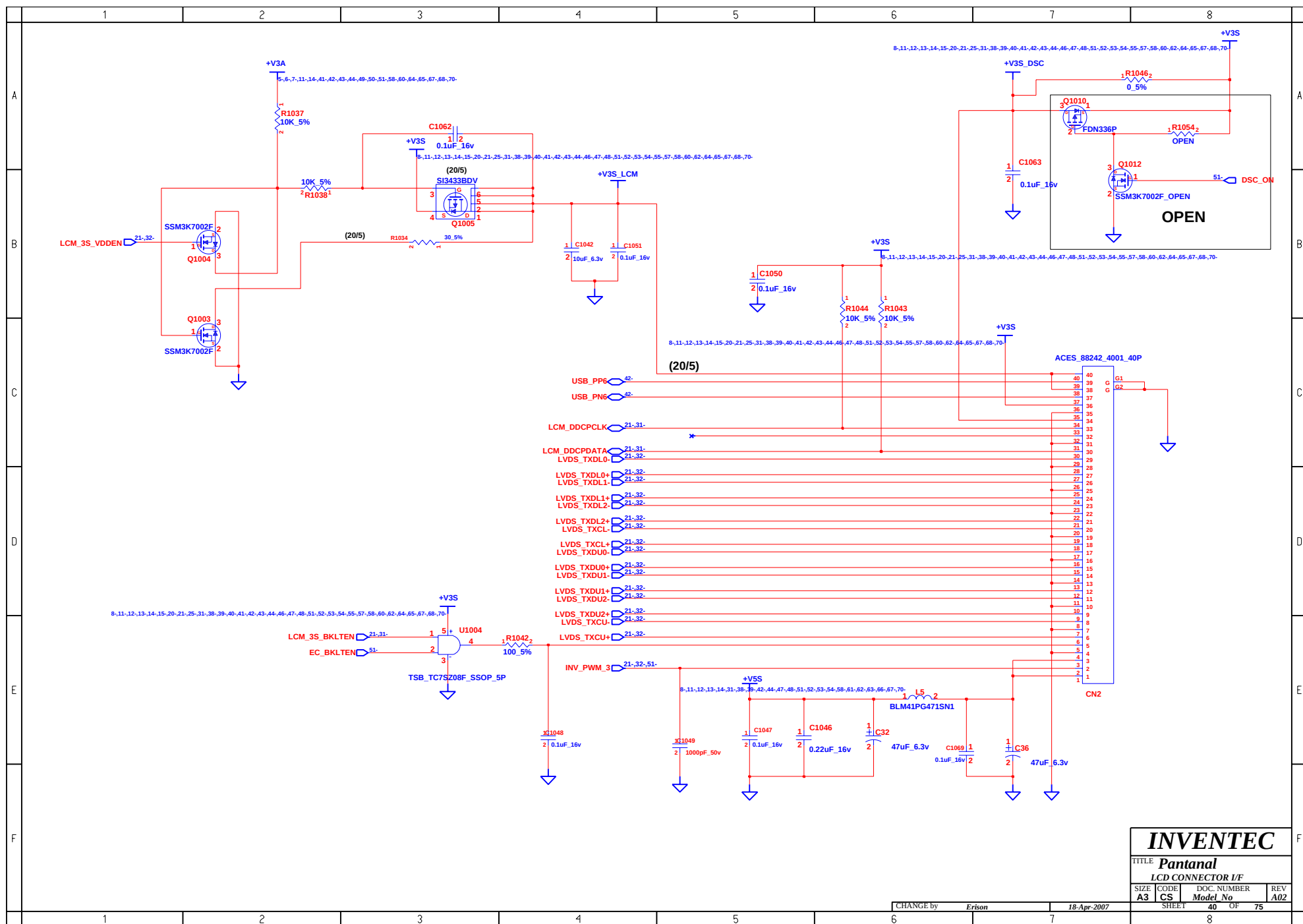
HIGH:S2

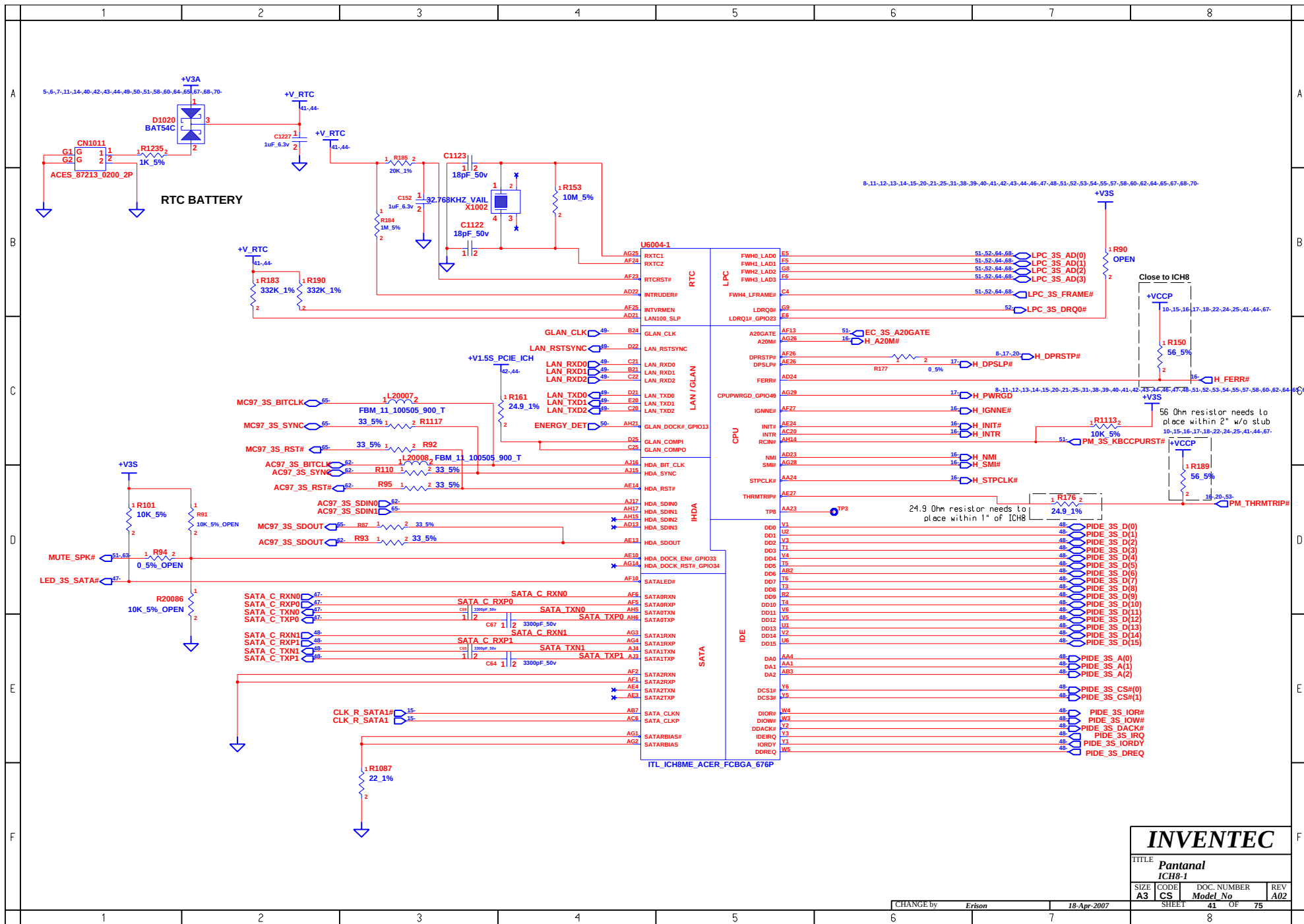
**INVENTEC**

|                         |      |             |     |
|-------------------------|------|-------------|-----|
| TITLE                   |      |             |     |
| Pantanal                |      |             |     |
| CRT CONN & VIDEO SWITCH |      |             |     |
| SIZE                    | CODE | DOC. NUMBER | REV |
| A3                      | CS   | Model No    | A02 |

CHANGE by Erison 18-Apr-2007

SHEET 39 OF 75



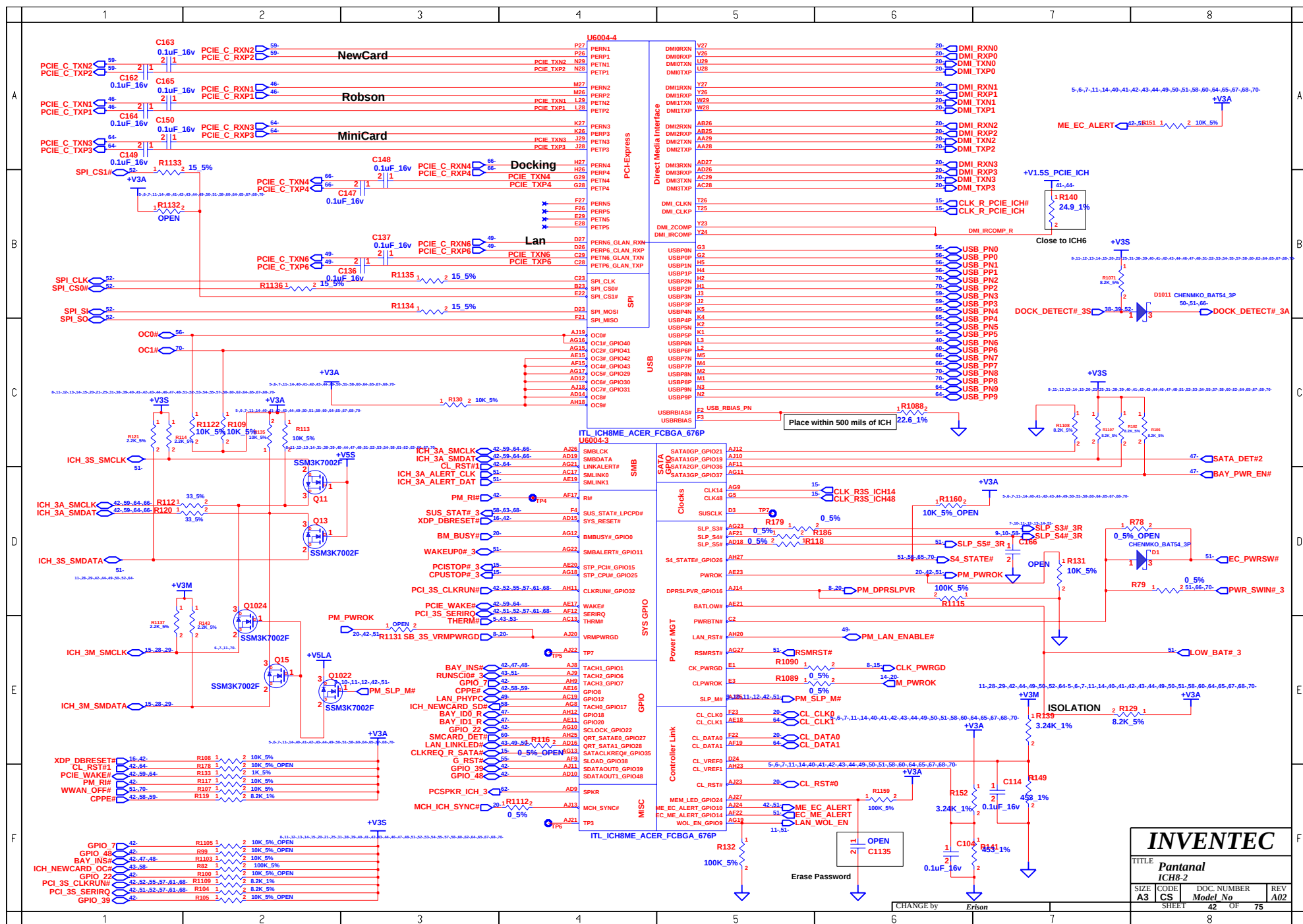


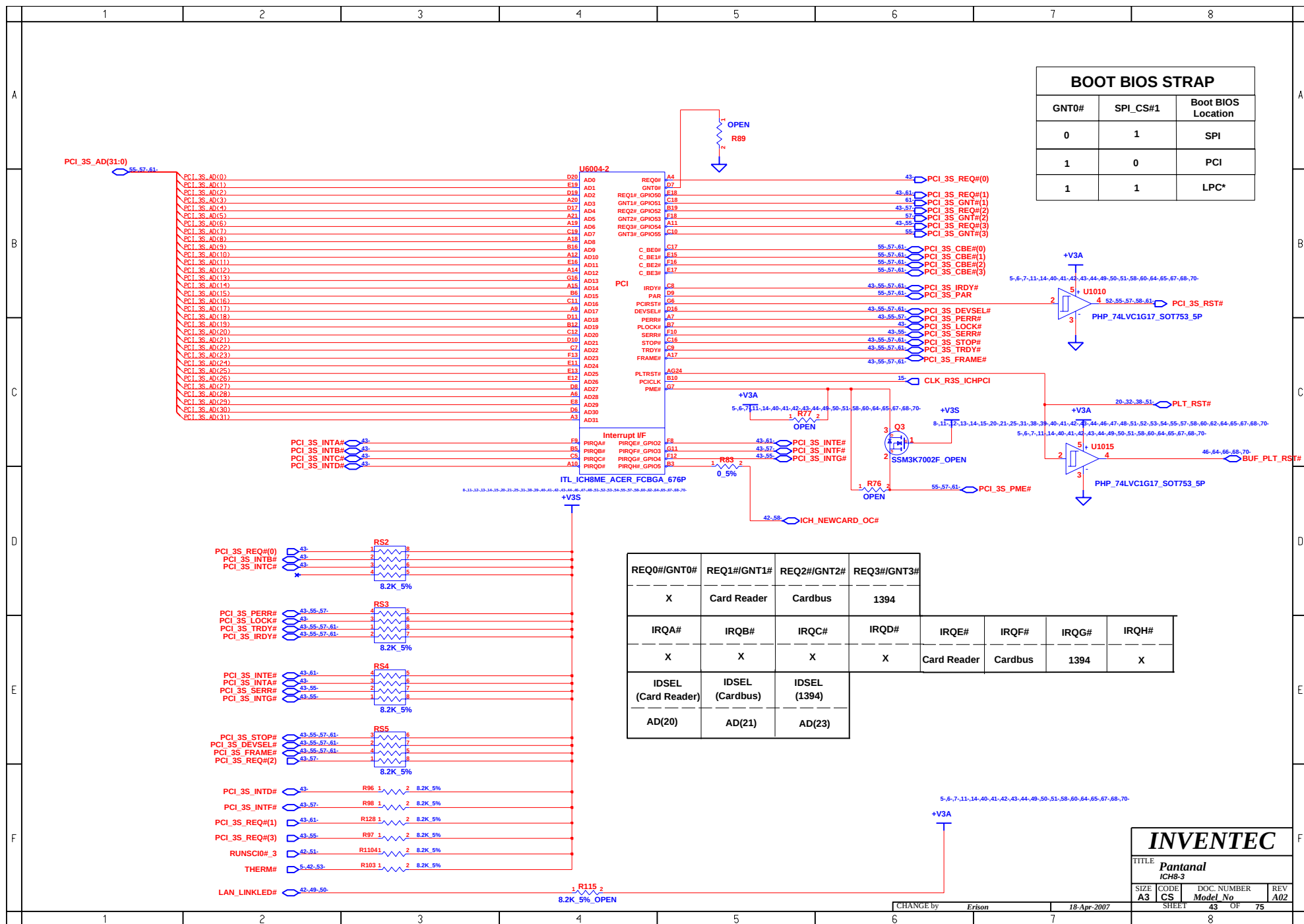
**INVENTEC**

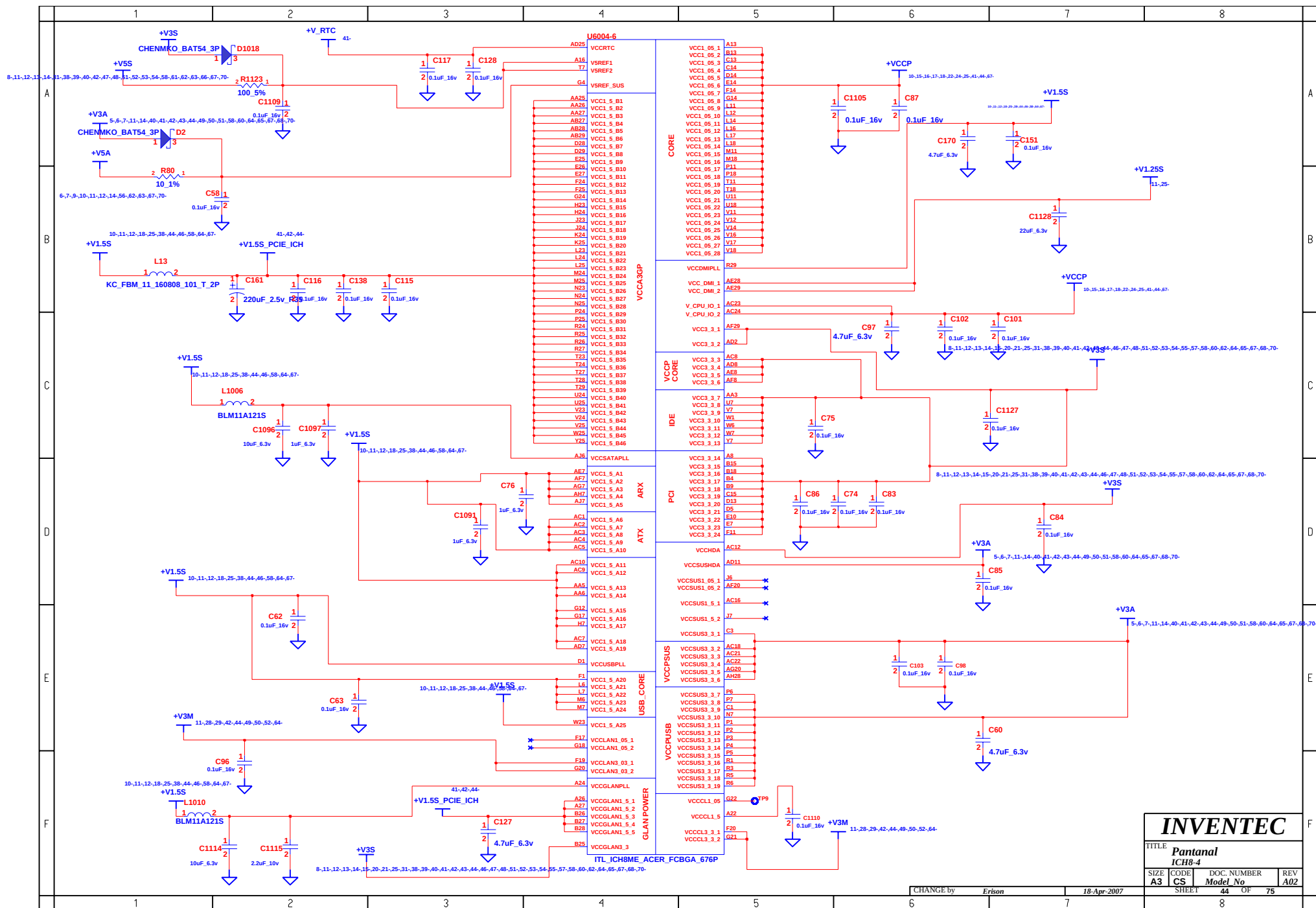
TITLE  
**Pantanal  
ICH8-1**

|                   |                   |                                |                   |
|-------------------|-------------------|--------------------------------|-------------------|
| SIZE<br><b>A3</b> | CODE<br><b>CS</b> | DOC. NUMBER<br><b>Model No</b> | REV<br><b>A02</b> |
|-------------------|-------------------|--------------------------------|-------------------|

CHANGE by **Erison** 18-Apr-2007  
SHEET **41** OF **75**







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

|         |        |        |
|---------|--------|--------|
| UG004-5 |        |        |
| A23     | VSS001 | VSS099 |
| AA1     | VSS002 | VSS100 |
| AA2     | VSS003 | VSS101 |
| AA7     | VSS004 | VSS102 |
| AB1     | VSS005 | VSS103 |
| AB2     | VSS006 | VSS104 |
| AB24    | VSS007 | VSS105 |
| AC11    | VSS008 | VSS106 |
| AC14    | VSS009 | VSS107 |
| AC25    | VSS010 | VSS108 |
| AC26    | VSS011 | VSS109 |
| AC27    | VSS012 | VSS110 |
| AD17    | VSS013 | VSS111 |
| AD20    | VSS014 | VSS112 |
| AD28    | VSS015 | VSS113 |
| AD29    | VSS016 | VSS114 |
| AD3     | VSS017 | VSS115 |
| AD4     | VSS018 | VSS116 |
| AD6     | VSS019 | VSS117 |
| AE1     | VSS020 | VSS118 |
| AE12    | VSS021 | VSS119 |
| AE2     | VSS022 | VSS120 |
| AE22    | VSS023 | VSS121 |
| AD1     | VSS024 | VSS122 |
| AE21    | VSS025 | VSS123 |
| AE5     | VSS026 | VSS124 |
| AE6     | VSS027 | VSS125 |
| AE9     | VSS028 | VSS126 |
| AF14    | VSS029 | VSS127 |
| AF16    | VSS030 | VSS128 |
| AF18    | VSS031 | VSS129 |
| AF3     | VSS032 | VSS130 |
| AF4     | VSS033 | VSS131 |
| AG5     | VSS034 | VSS132 |
| AG6     | VSS035 | VSS133 |
| AH10    | VSS036 | VSS134 |
| AH13    | VSS037 | VSS135 |
| AH16    | VSS038 | VSS136 |
| AH19    | VSS039 | VSS137 |
| AH2     | VSS040 | VSS138 |
| AF20    | VSS041 | VSS139 |
| AH22    | VSS042 | VSS140 |
| AH24    | VSS043 | VSS141 |
| AH26    | VSS044 | VSS142 |
| AH3     | VSS045 | VSS143 |
| AH4     | VSS046 | VSS144 |
| AH6     | VSS047 | VSS145 |
| AH5     | VSS048 | VSS146 |
| B11     | VSS049 | VSS147 |
| B14     | VSS050 | VSS148 |
| B17     | VSS051 | VSS149 |
| B2      | VSS052 | VSS150 |
| B20     | VSS053 | VSS151 |
| B22     | VSS054 | VSS152 |
| B6      | VSS055 | VSS153 |
| C24     | VSS056 | VSS154 |
| C26     | VSS057 | VSS155 |
| C27     | VSS058 | VSS156 |
| C4      | VSS059 | VSS157 |
| D12     | VSS060 | VSS158 |
| D15     | VSS061 | VSS159 |
| D18     | VSS062 | VSS160 |
| D2      | VSS063 | VSS161 |
| D4      | VSS064 | VSS162 |
| E21     | VSS065 | VSS163 |
| E24     | VSS066 | VSS164 |
| E4      | VSS067 | VSS165 |
| E9      | VSS068 | VSS166 |
| F16     | VSS069 | VSS167 |
| E24     | VSS070 | VSS168 |
| F20     | VSS071 | VSS169 |
| F29     | VSS072 | VSS170 |
| F7      | VSS073 | VSS171 |
| G1      | VSS074 | VSS172 |
| G2      | VSS075 | VSS173 |
| G10     | VSS076 | VSS174 |
| G13     | VSS077 | VSS175 |
| G18     | VSS078 | VSS176 |
| G23     | VSS079 | VSS177 |
| G25     | VSS080 | VSS178 |
| G26     | VSS081 | VSS179 |
| G27     | VSS082 | VSS180 |
| H25     | VSS083 | VSS181 |
| H28     | VSS084 | VSS182 |
| H29     | VSS085 | VSS183 |
| H1      | VSS086 | VSS184 |
| H6      | VSS087 | VSS185 |
| J1      | VSS088 | VSS186 |
| J26     | VSS089 | VSS187 |
| J28     | VSS090 | VSS188 |
| J27     | VSS091 | VSS189 |
| J4      | VSS092 | VSS190 |
| J6      | VSS093 | VSS191 |
| K21     | VSS094 | VSS192 |
| K28     | VSS095 | VSS193 |
| K29     | VSS096 | VSS194 |
| K3      | VSS097 | VSS195 |
| K8      | VSS098 | VSS196 |

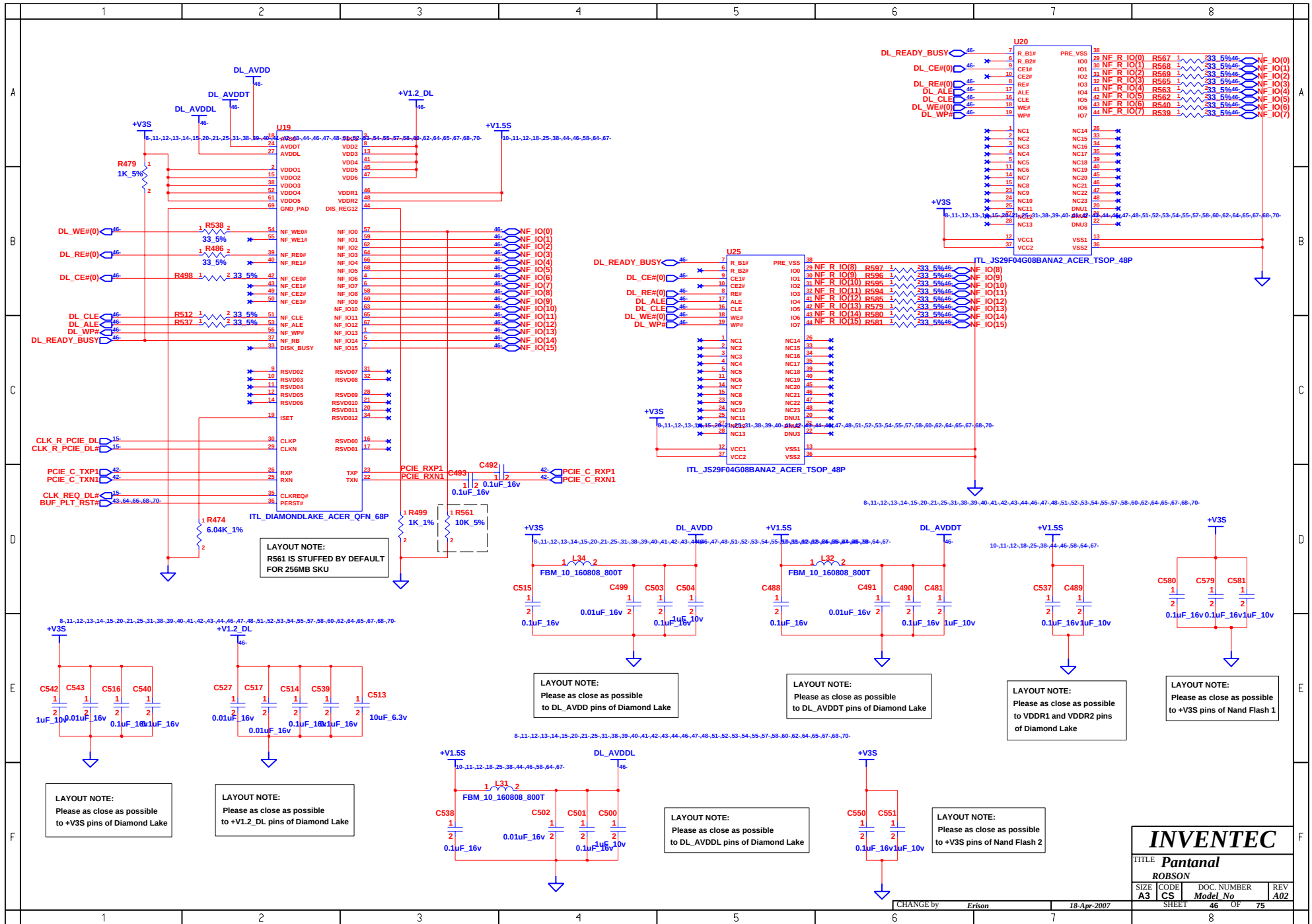
ITL\_ICH8ME\_ACER\_FCBGA\_676P



# INVENTEC

|          |      |             |       |
|----------|------|-------------|-------|
| TITLE    |      |             |       |
| Pantanal |      |             |       |
| ICH8-5   |      |             |       |
| SIZE     | CODE | DOC. NUMBER | REV   |
| A3       | CS   | Model No    | A02   |
| SHEET    |      | 45          | OF 75 |

CHANGE by Erison 18-Apr-2007



**INVENTEC**

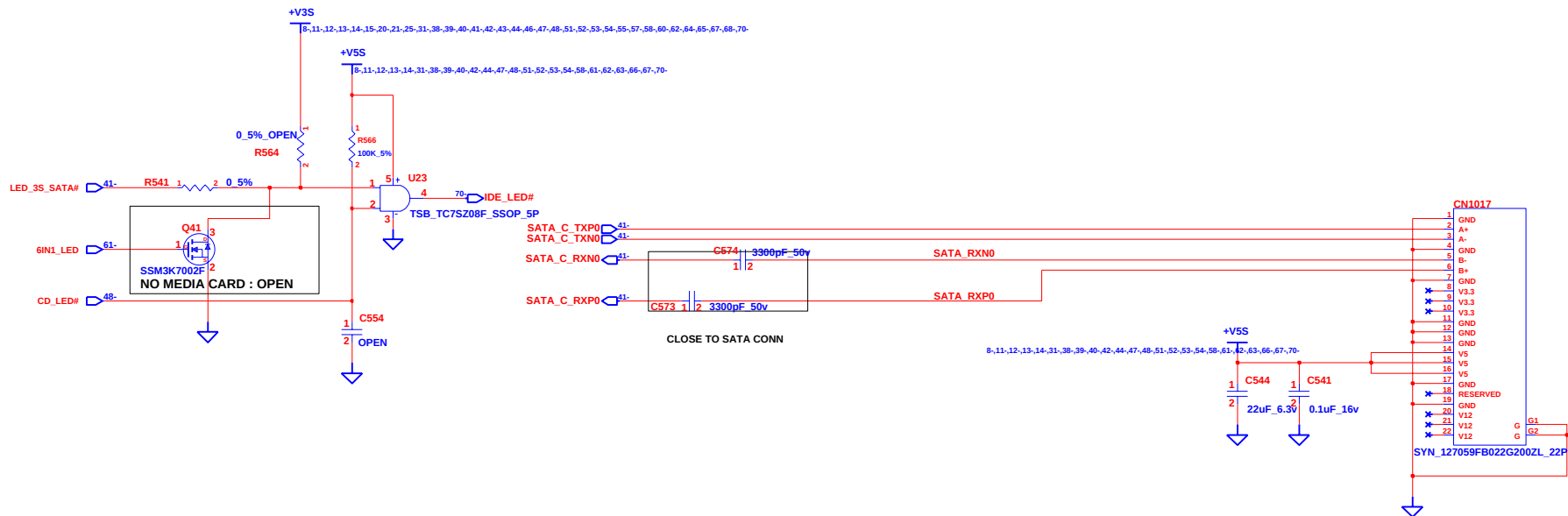
TITLE **Pantanal**

ROBSON

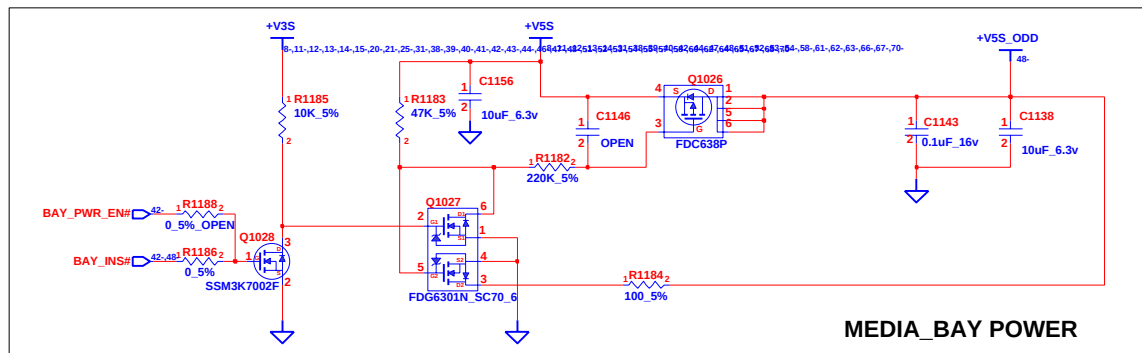
SIZE CODE DOC. NUMBER REV

A3 CS Model No 46 OF 75 A02

CHANGE by Erison 18-Apr-2007



| BAY_ID0 | BAY_ID1 | DEVICE   |
|---------|---------|----------|
| 0       | 0       | RESERVE  |
| 0       | 1       | PATA HDD |
| 1       | 0       | PATA ODD |
| 1       | 1       | SATA HDD |

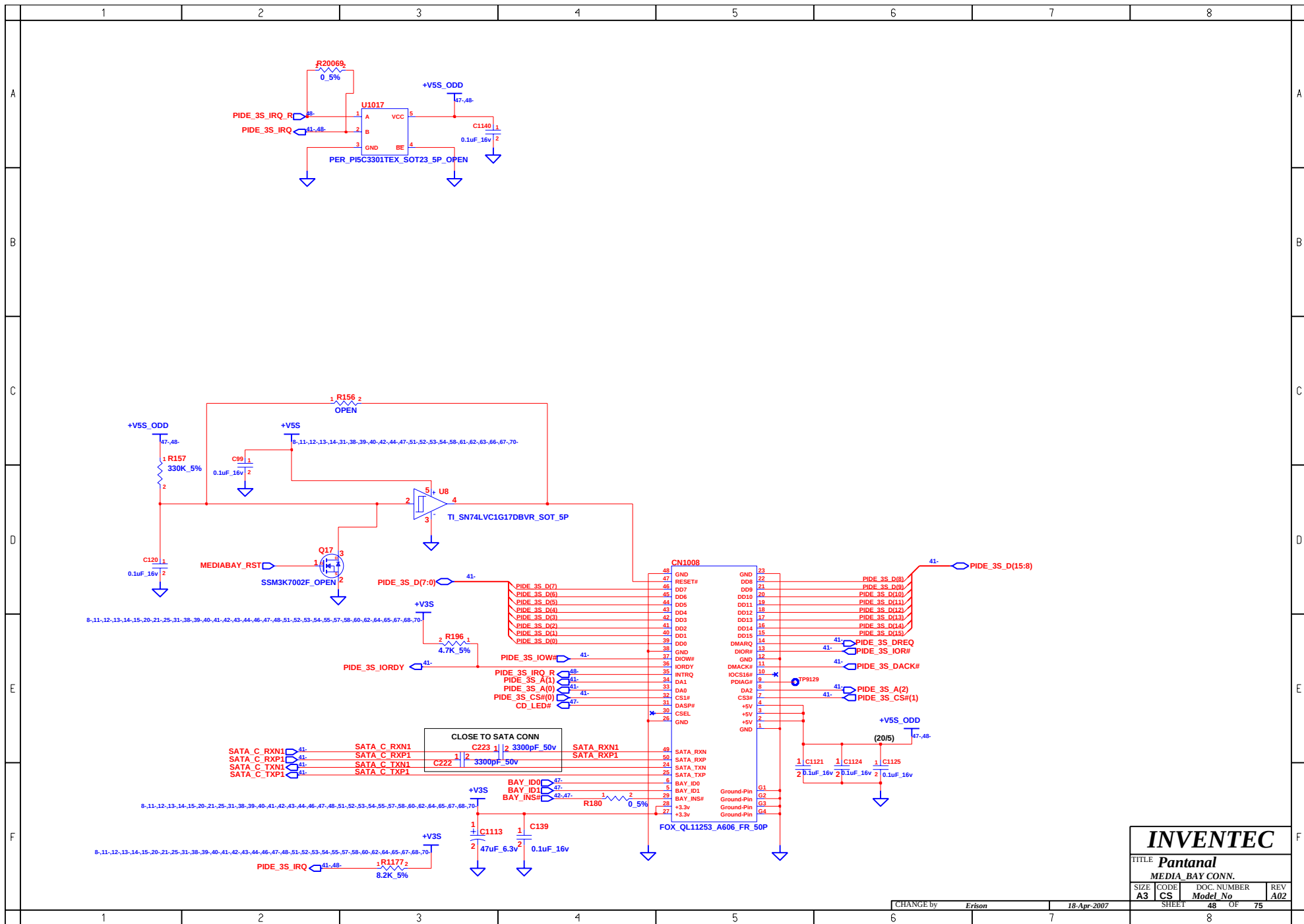


**INVENTEC**

|                        |      |             |     |
|------------------------|------|-------------|-----|
| TITLE                  |      |             |     |
| Pantanal               |      |             |     |
| M-BAY POWER & HDD CONN |      |             |     |
| SIZE                   | CODE | DOC. NUMBER | REV |
| A3                     | CS   | Model No    | A02 |

CHANGE by Erison 18-Apr-2007

SHEET 47 OF 75



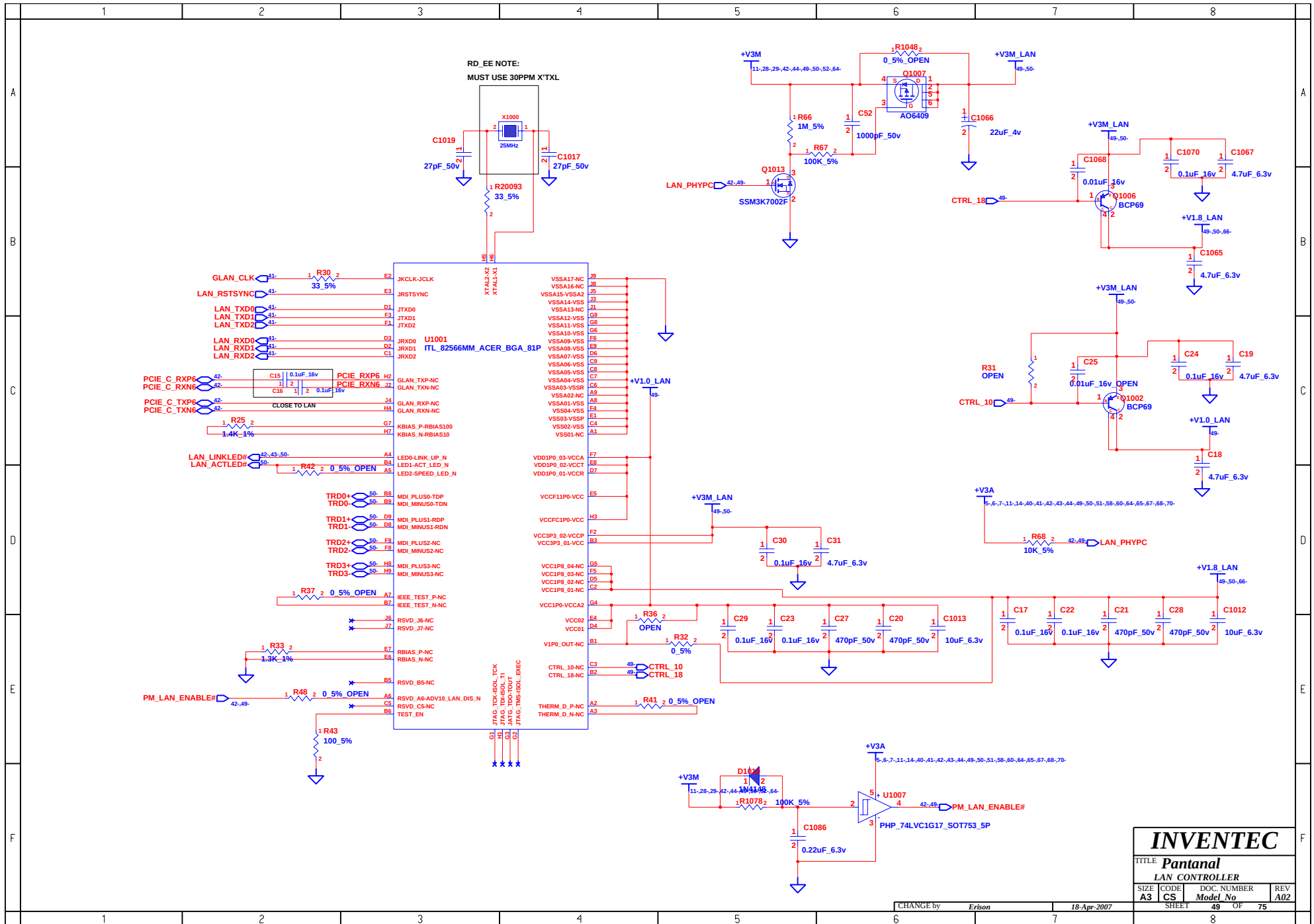
**INVENTEC**

TITLE **Pantanal**  
**MEDIA\_BAY\_CONN.**

| SIZE | CODE | DOC. NUMBER | REV |
|------|------|-------------|-----|
| A3   | CS   | Model No    | A02 |

CHANGE by *Erison* 18-Apr-2007

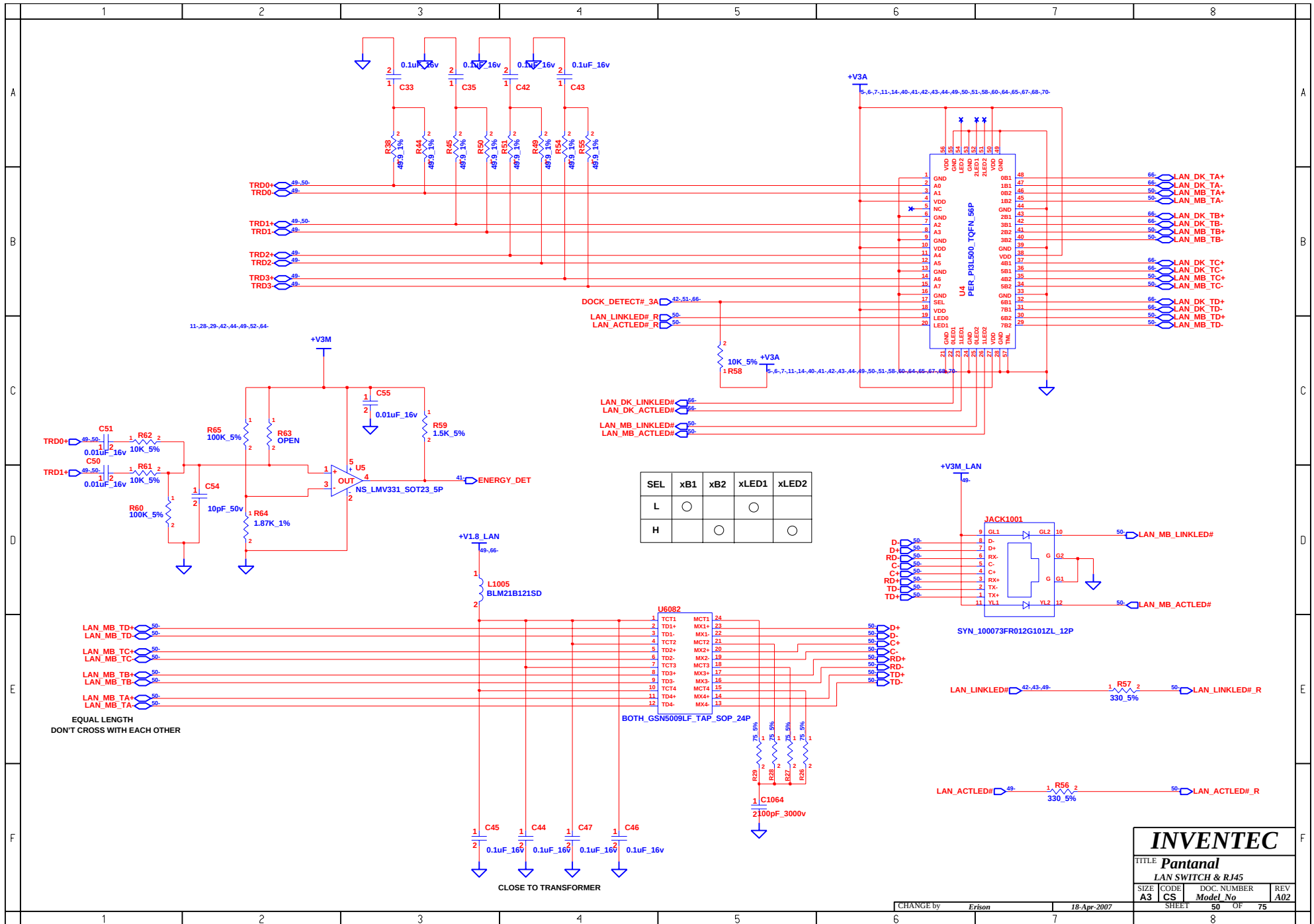
SHEET 48 OF 75



**INVENTEC**

|                       |                |                             |                |
|-----------------------|----------------|-----------------------------|----------------|
| TITLE <b>Pantanal</b> |                |                             |                |
| LAN CONTROLLER        |                |                             |                |
| SIZE <b>A3</b>        | CODE <b>CS</b> | DOC. NUMBER <b>Model No</b> | REV <b>A02</b> |
| SHEET <b>49</b>       |                | OF <b>75</b>                |                |

CHANGE by **Erison** 18-Apr-2007



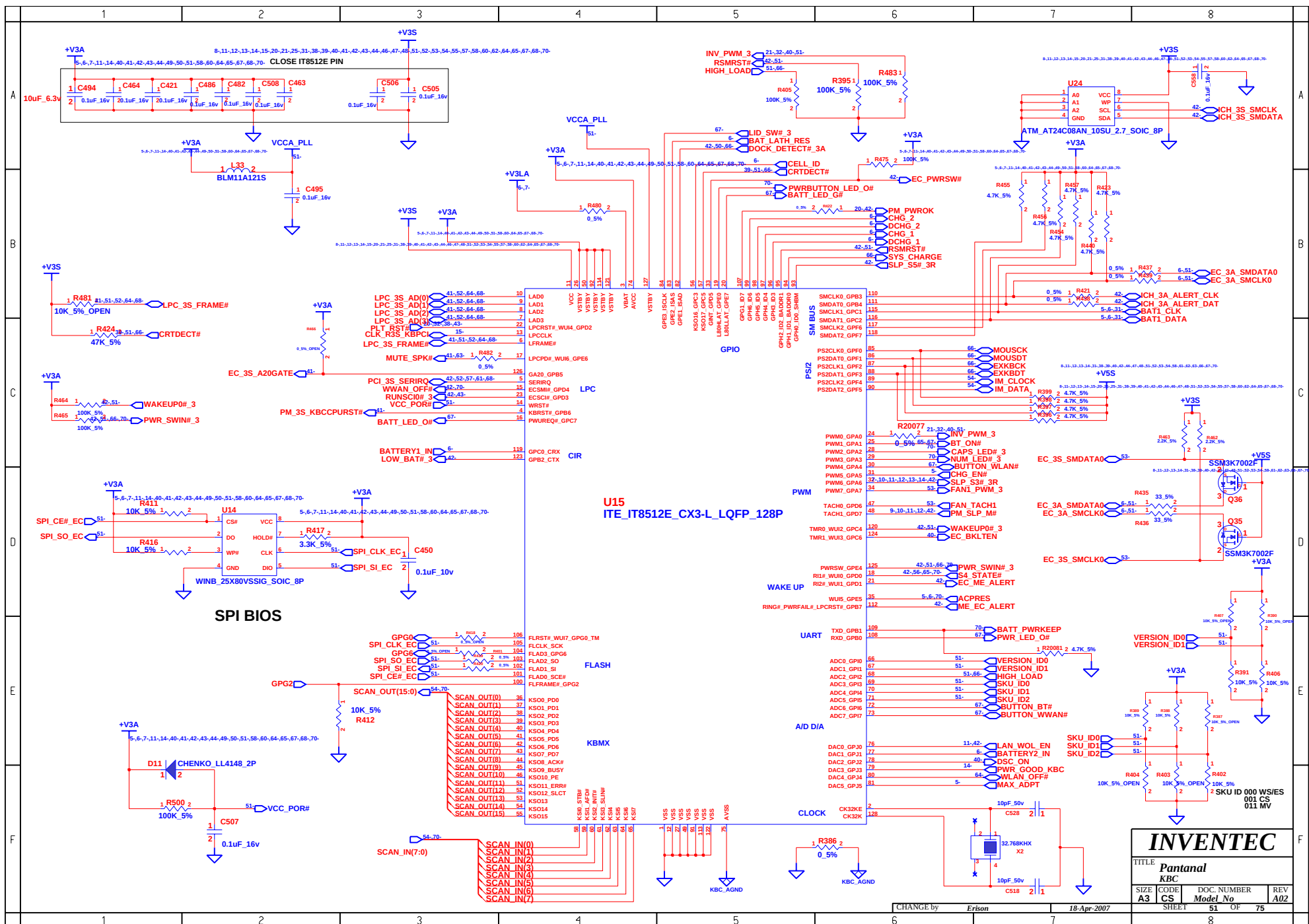
**INVENTEC**

TITLE **Pantanal**  
LAN SWITCH & RJ45

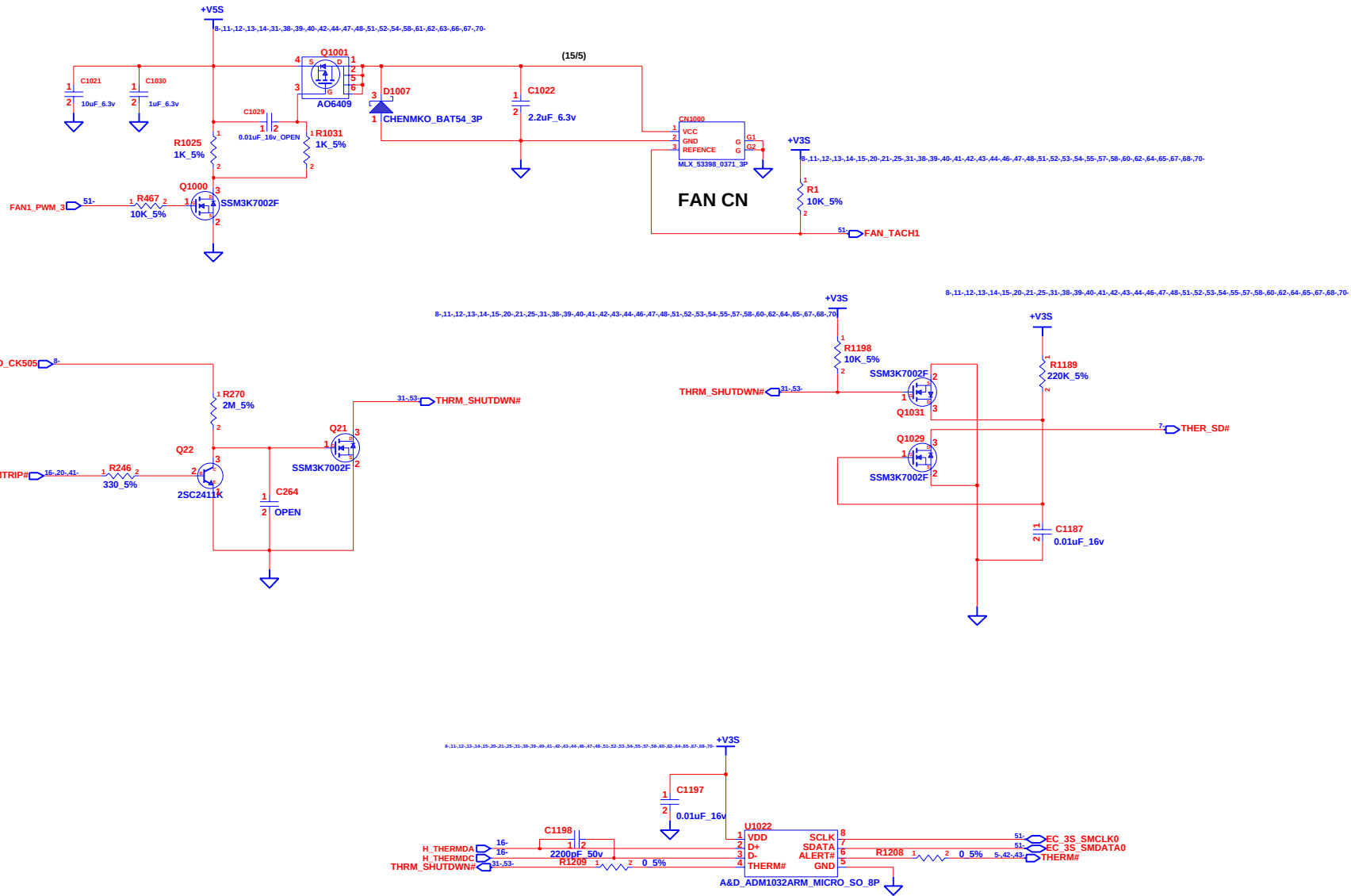
| SIZE | CODE | DOC. NUMBER | REV |
|------|------|-------------|-----|
| A3   | CS   | Model No    | A02 |

CHANGE by *Erison* 18-Apr-2007

SHEET 50 OF 75







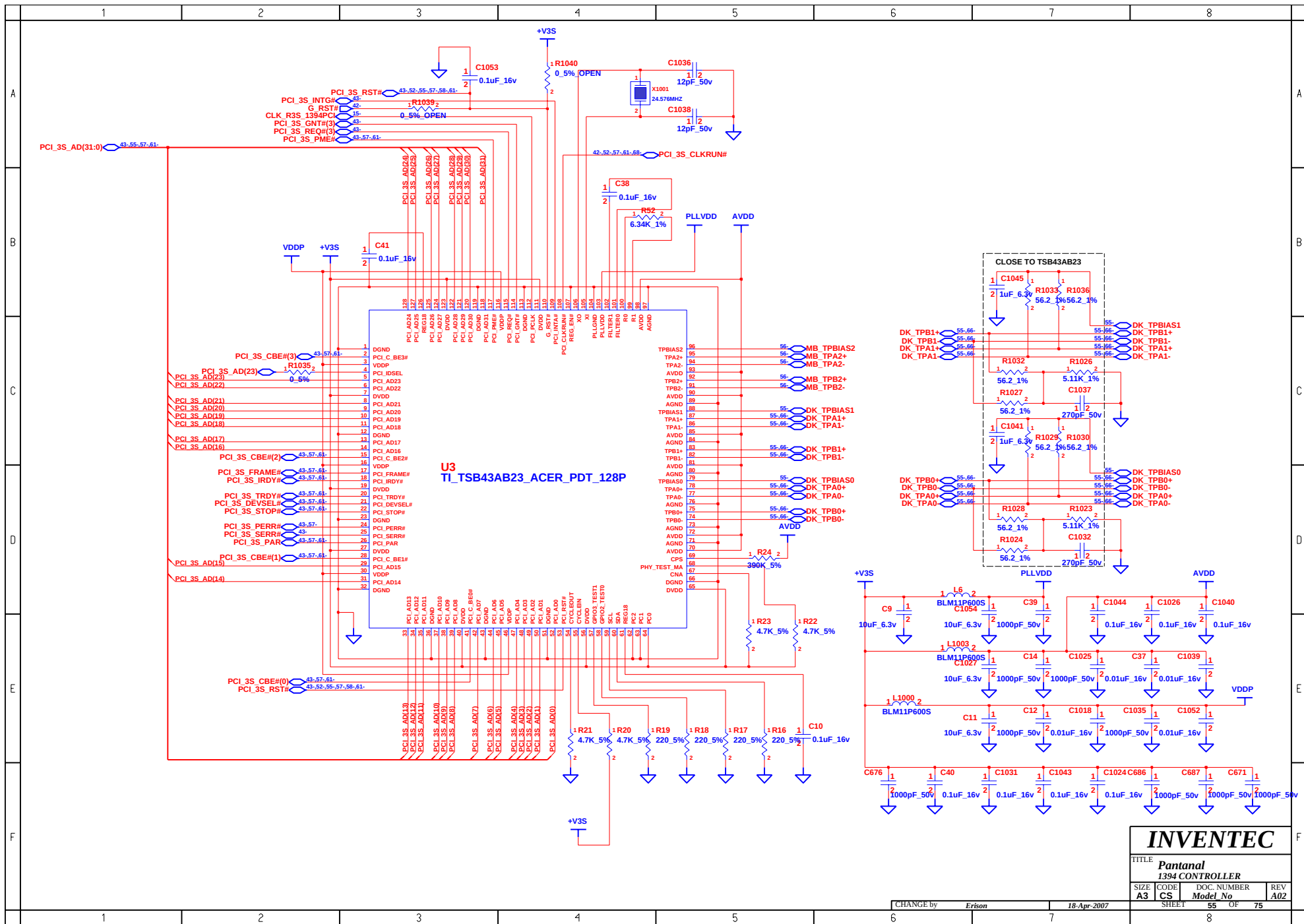
# THERMAL SENSOR FOR CPU.

| INVENTEC             |      |             |     |
|----------------------|------|-------------|-----|
| TITLE Pantanal       |      |             |     |
| THERMAL SENSOR & FAN |      |             |     |
| SIZE                 | CODE | DOC. NUMBER | REV |
| A3                   | CS   | Model No    | A02 |

CHANGE by Erison 18-Apr-2007

SHEET 53 OF 75



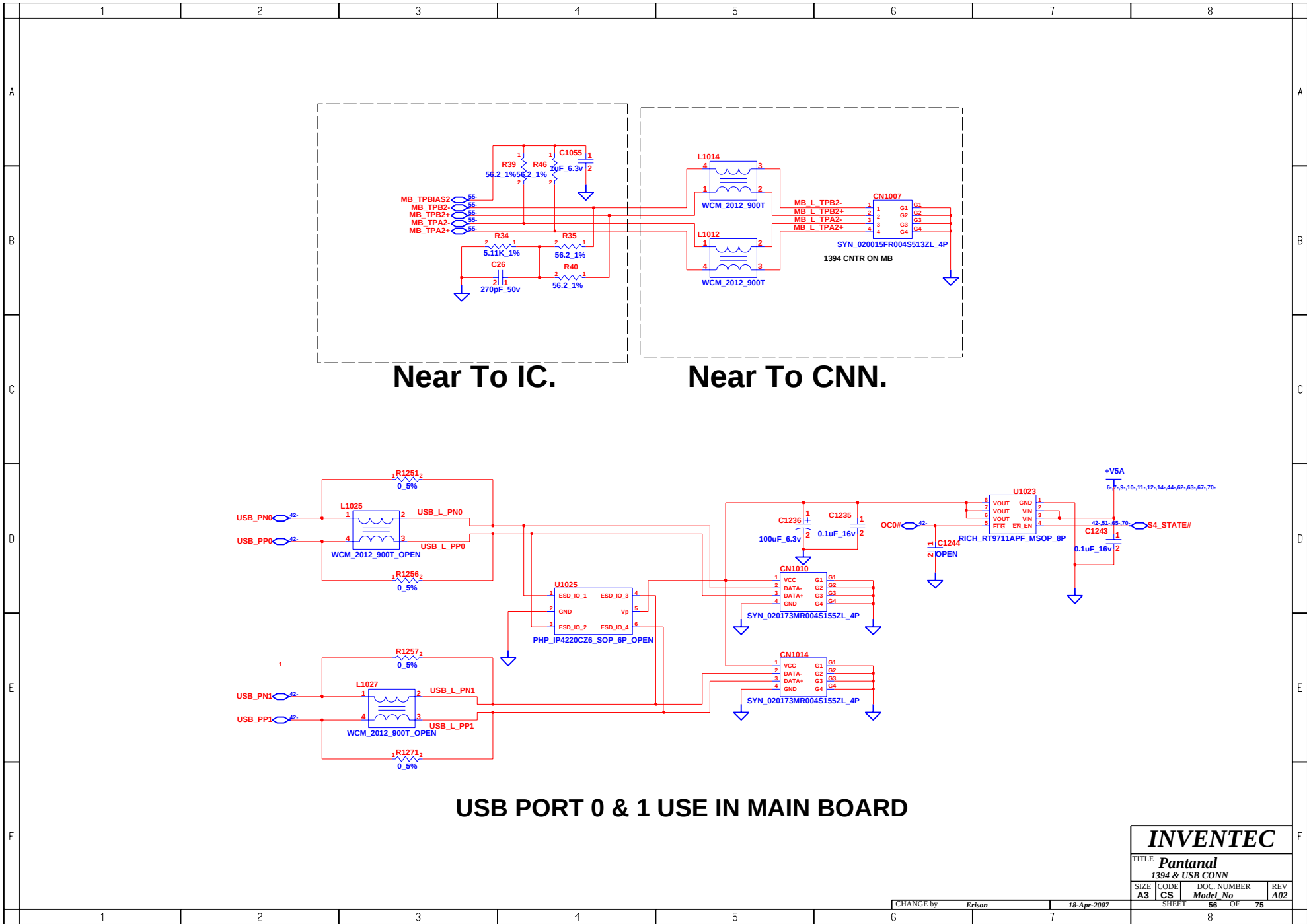


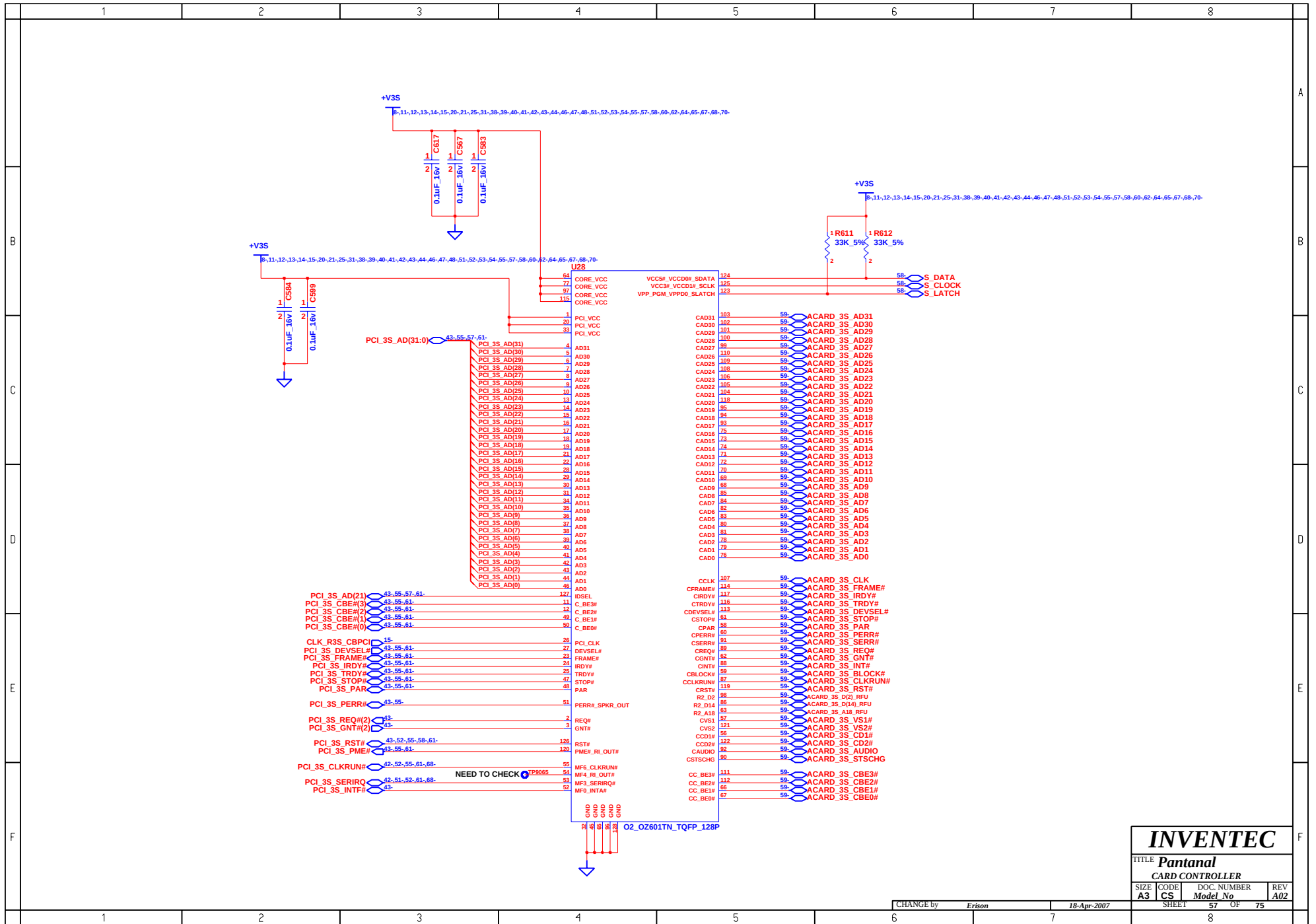
**INVENTEC**

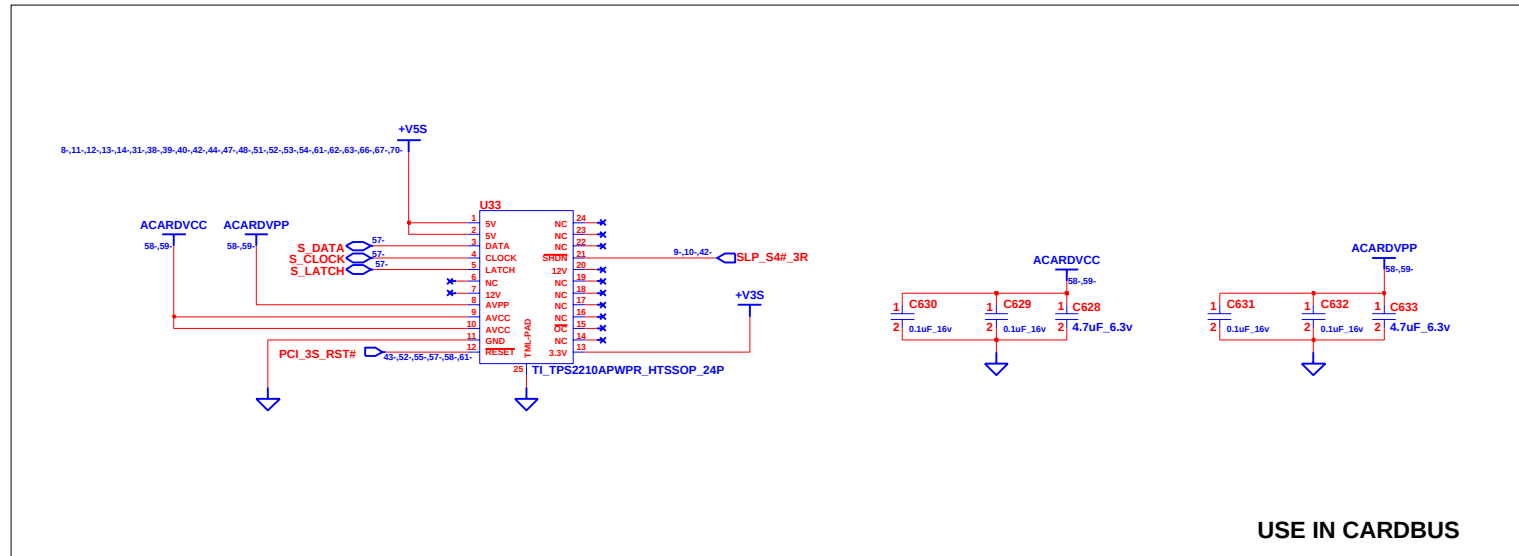
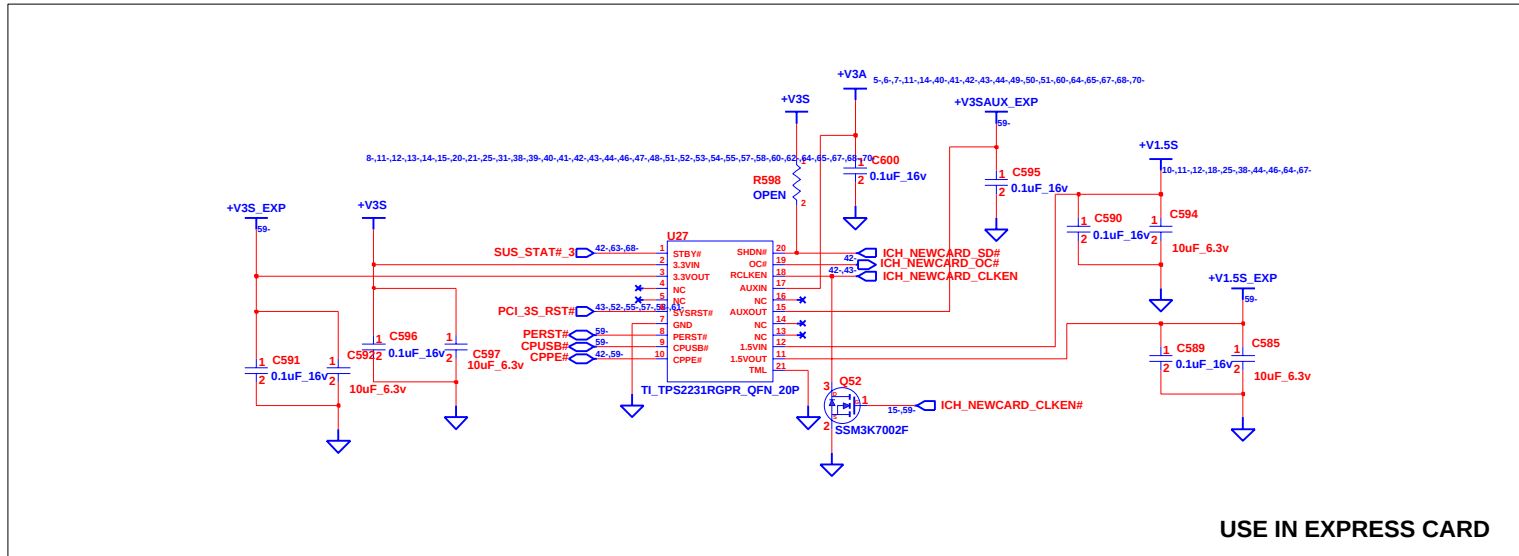
|                 |      |             |     |
|-----------------|------|-------------|-----|
| TITLE           |      |             |     |
| Pantanal        |      |             |     |
| 1394 CONTROLLER |      |             |     |
| SIZE            | CODE | DOC. NUMBER | REV |
| A3              | CS   | Model No    | A02 |

CHANGE by Erison 18-Apr-2007

SHEET 55 OF 75



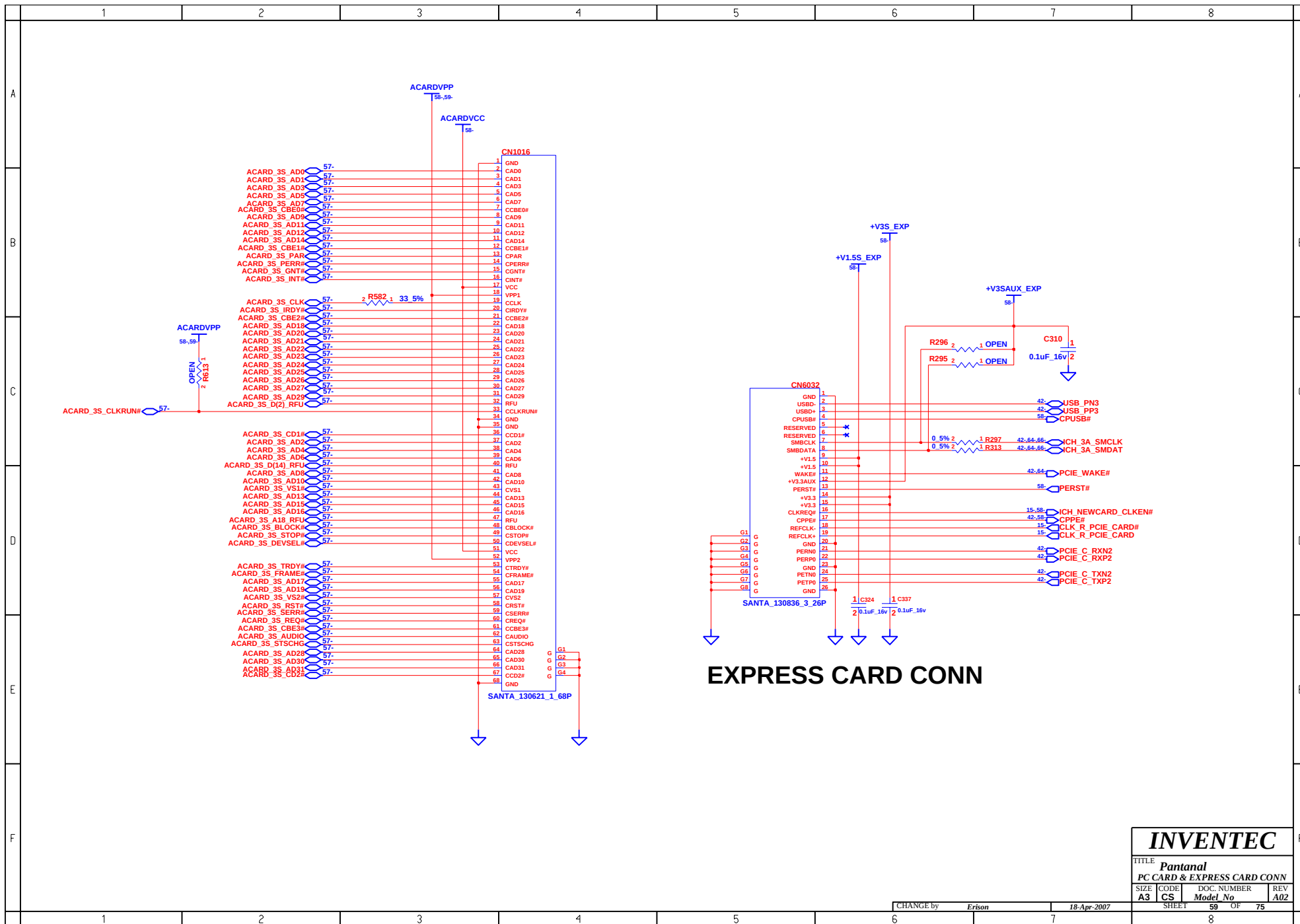




| INVENTEC                     |      |             |     |
|------------------------------|------|-------------|-----|
| TITLE <b>Pantanal</b>        |      |             |     |
| PC CARD & EXPRESS CARD POWER |      |             |     |
| SIZE                         | CODE | DOC. NUMBER | REV |
| A3                           | CS   | Model No    | A02 |

CHANGE by *Erison* 18-Apr-2007

SHEET 58 OF 75

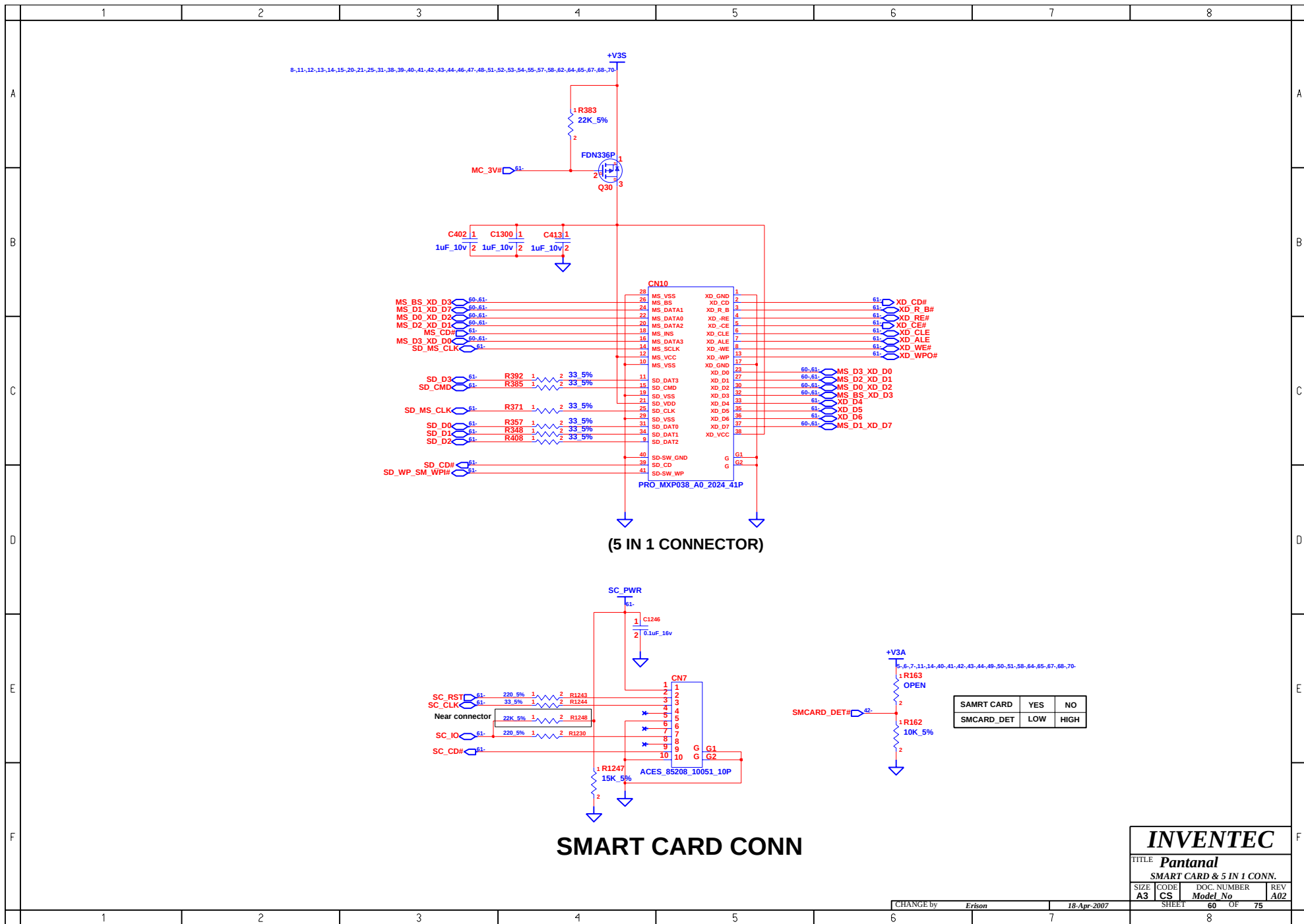


**INVENTEC**

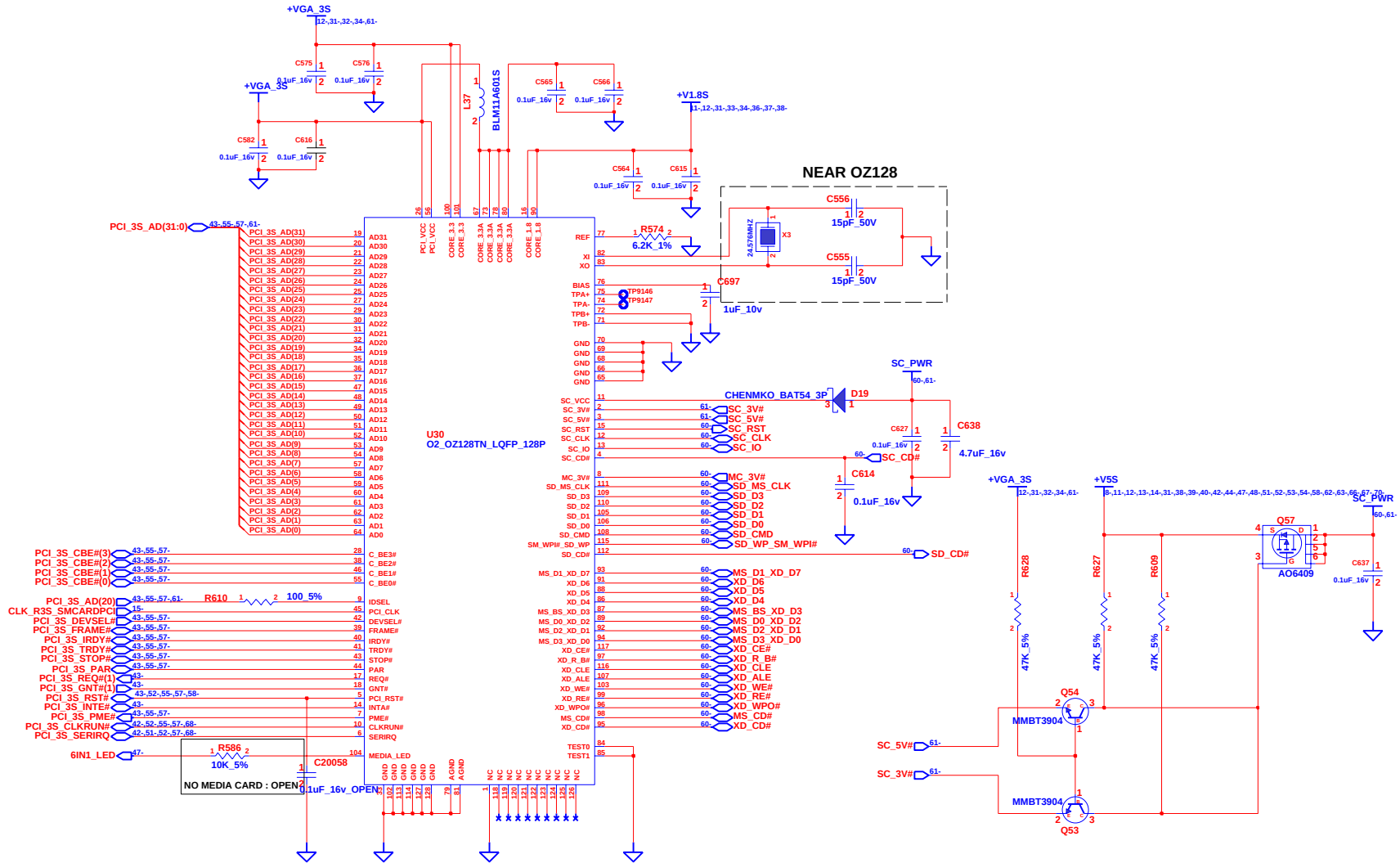
|                             |      |             |     |
|-----------------------------|------|-------------|-----|
| TITLE                       |      |             |     |
| Pantanal                    |      |             |     |
| PC CARD & EXPRESS CARD CONN |      |             |     |
| SIZE                        | CODE | DOC. NUMBER | REV |
| A3                          | CS   | Model No    | A02 |

CHANGE by Erison 18-Apr-2007

SHEET 59 OF 75



NOTE: +V1.8S NEED POWER ON FASTER THAN +VGA\_3S

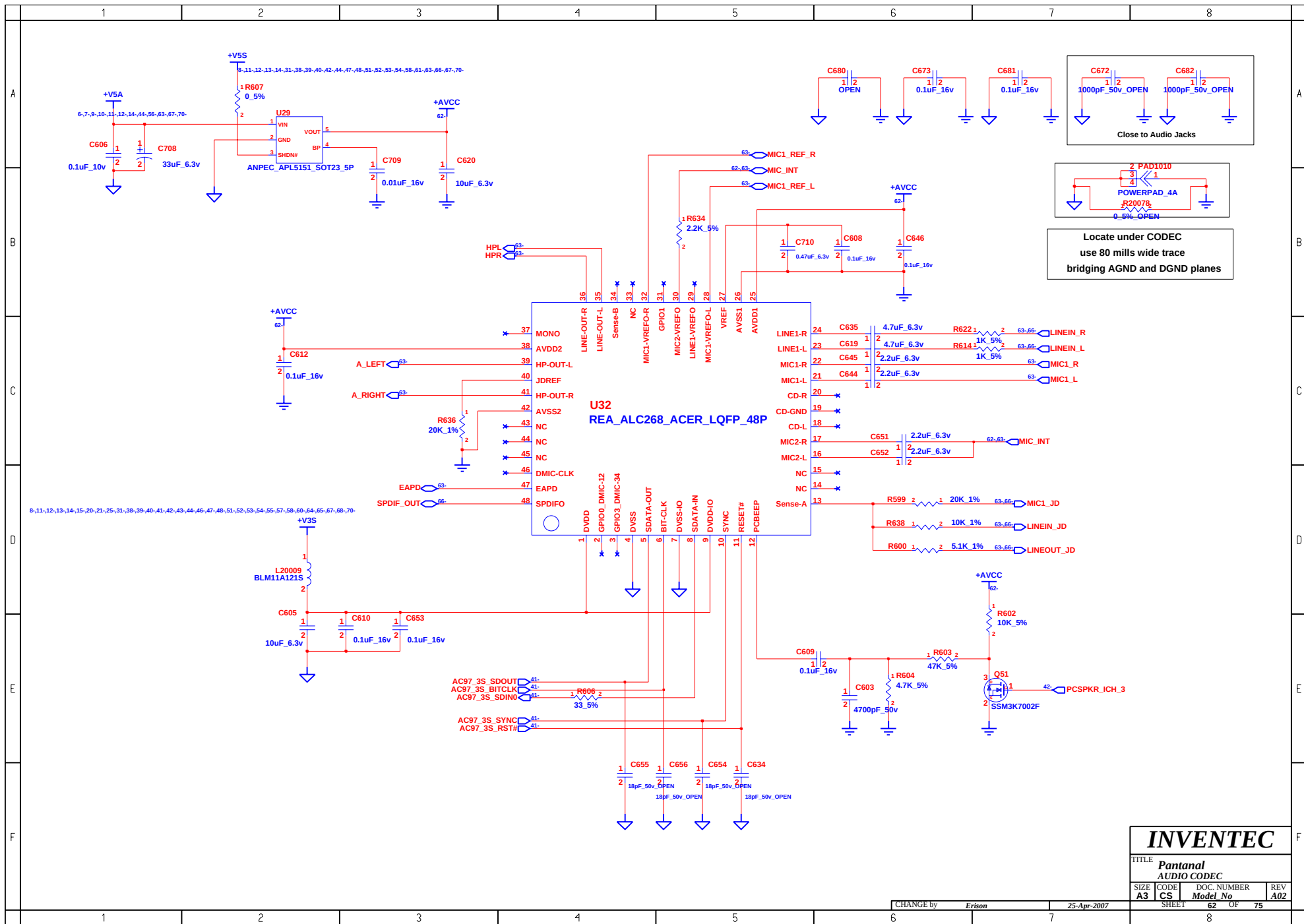


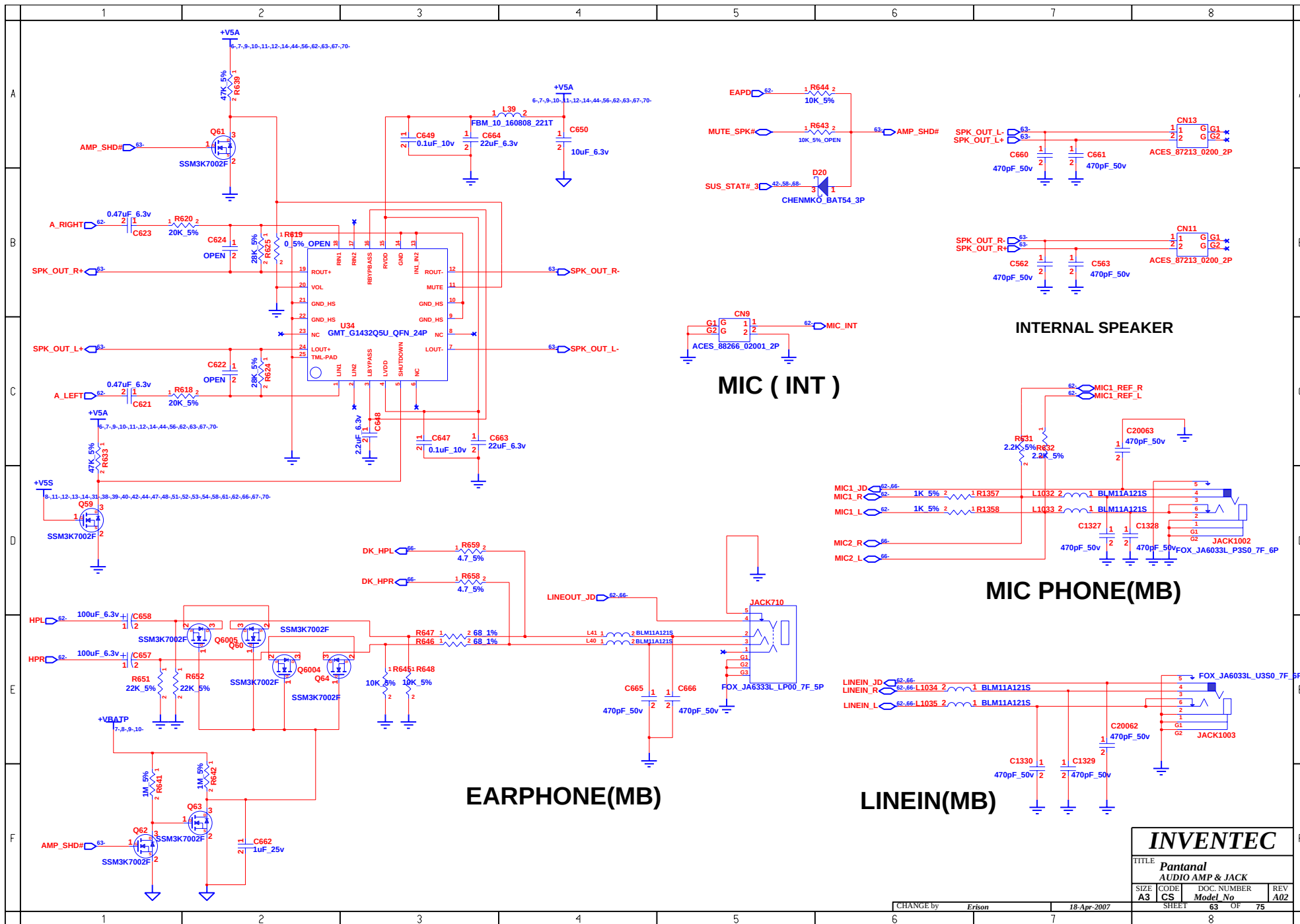
**INVENTEC**

| TITLE                                |      |             |     |
|--------------------------------------|------|-------------|-----|
| Pantanal<br>SMART CARD IC & SC POWER |      |             |     |
| SIZE                                 | CODE | DOC. NUMBER | REV |
| A3                                   | CS   | Model No    | A02 |

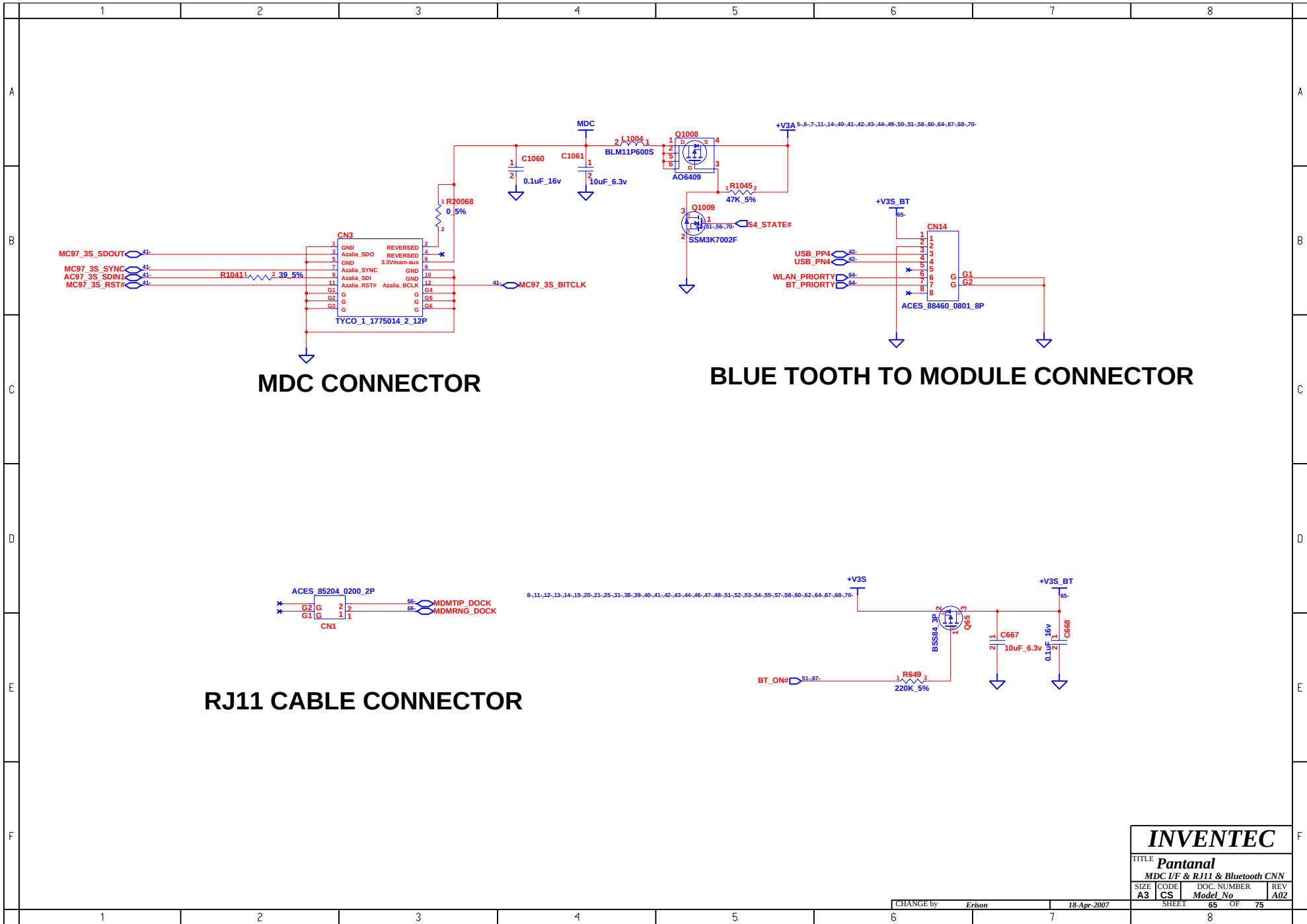
CHANGE by Erison 18-Apr-2007

SHEET 61 OF 75

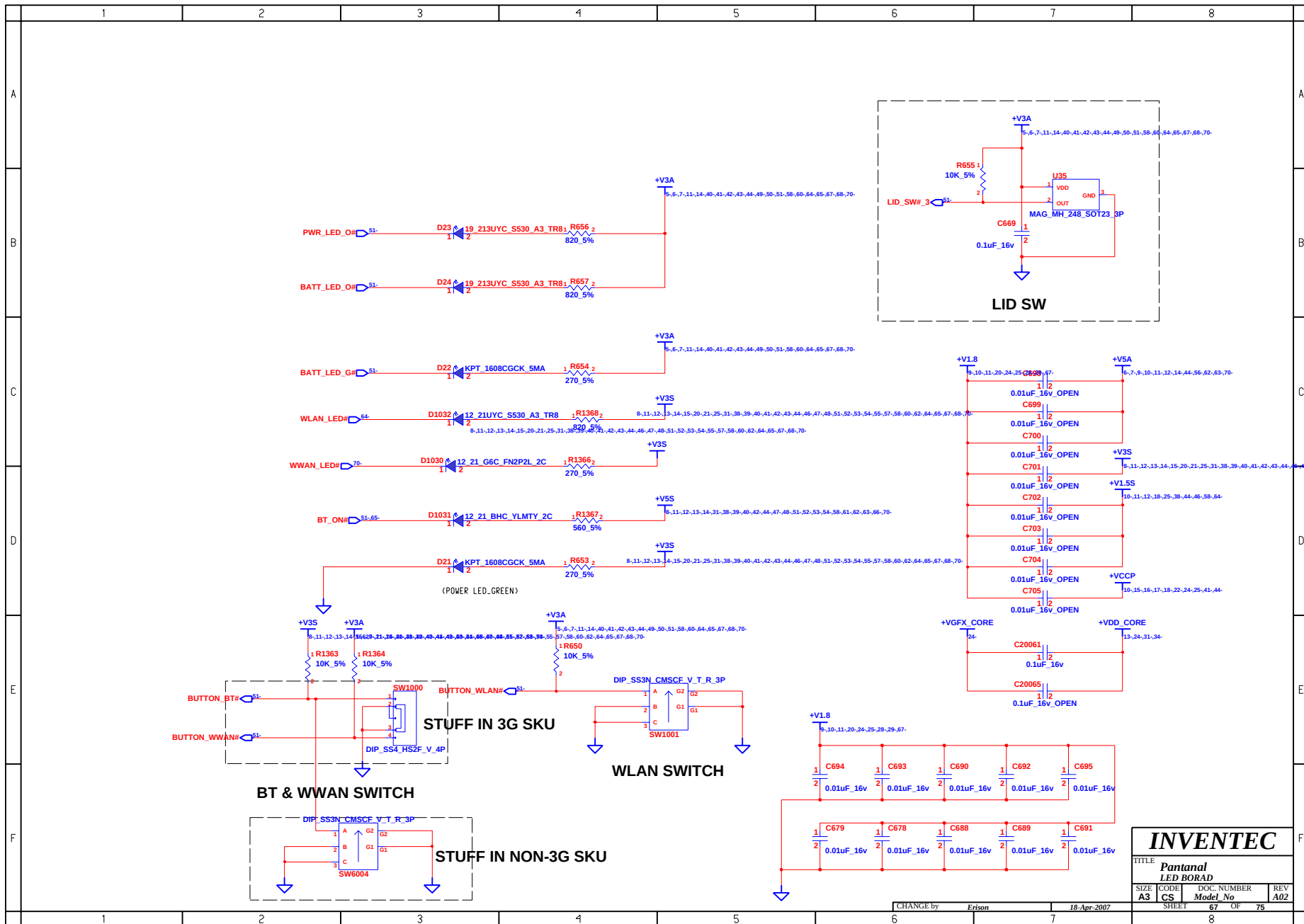








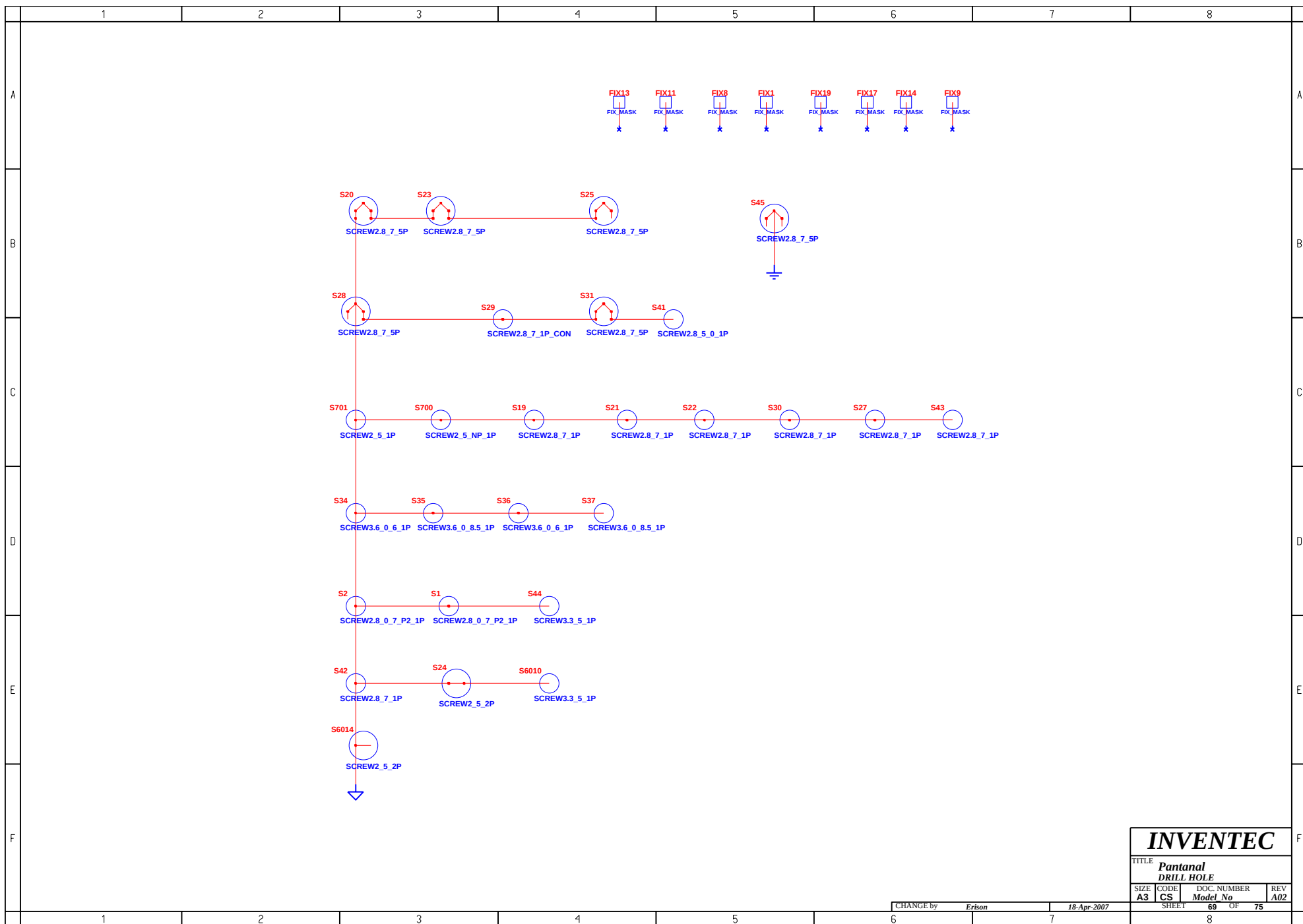


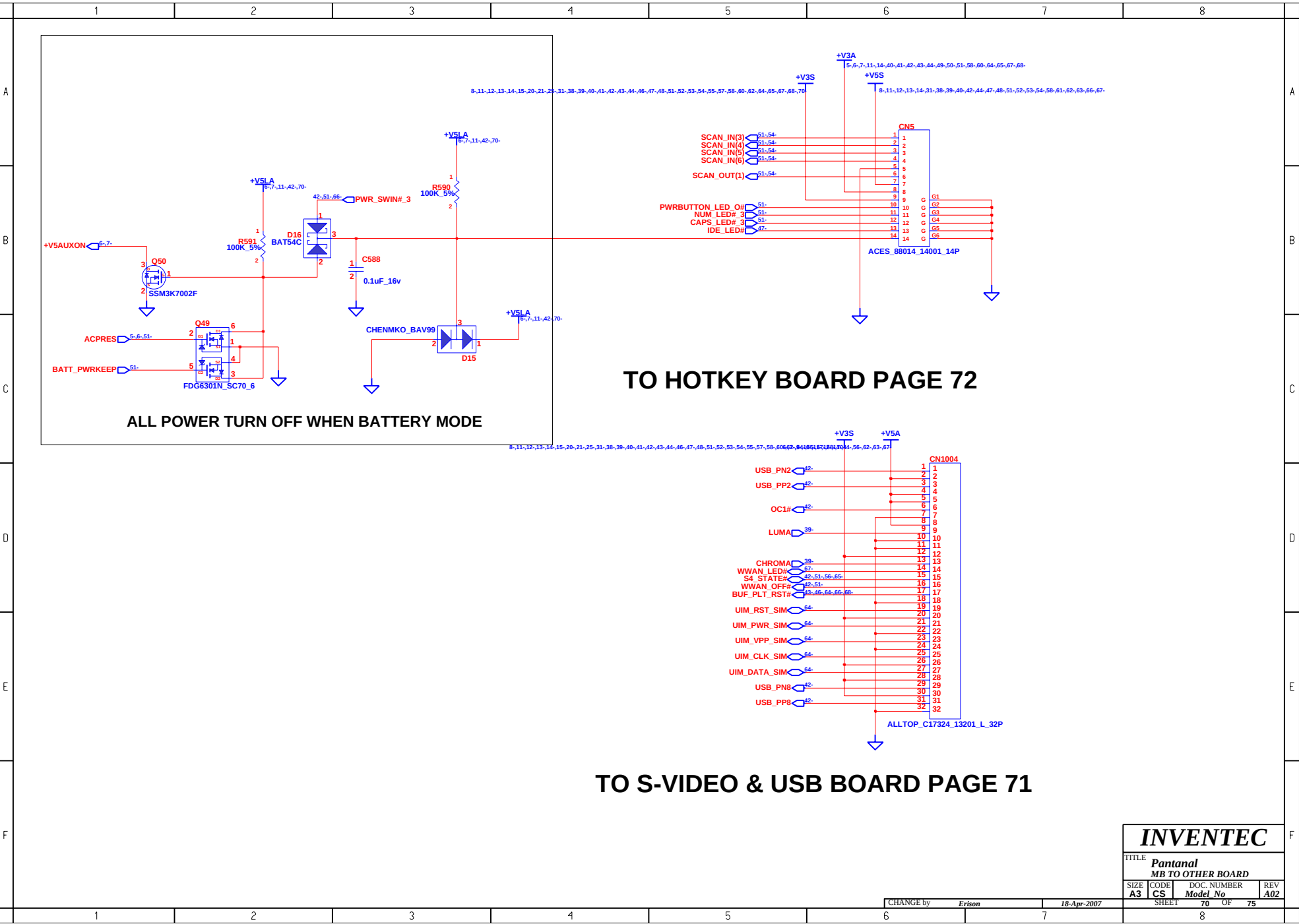


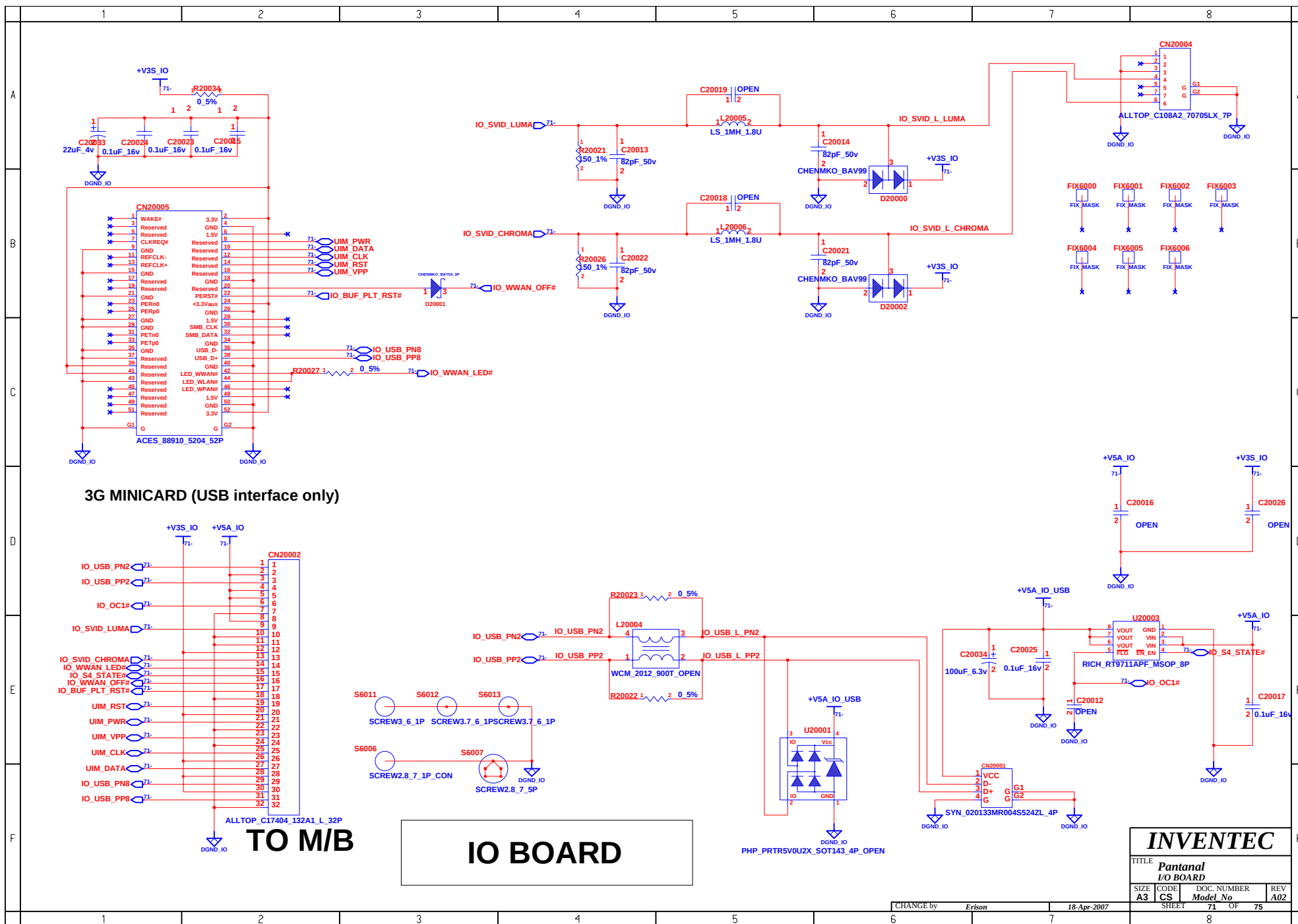
| INVENTEC           |      |             |       |
|--------------------|------|-------------|-------|
| TITLE              |      |             |       |
| Pantanal LED BORAD |      |             |       |
| SIZE               | CODE | DOC. NUMBER | REV   |
| A3                 | CS   | Model No    | A02   |
| SHEET              |      | 67          | OF 75 |
|                    |      | 8           |       |

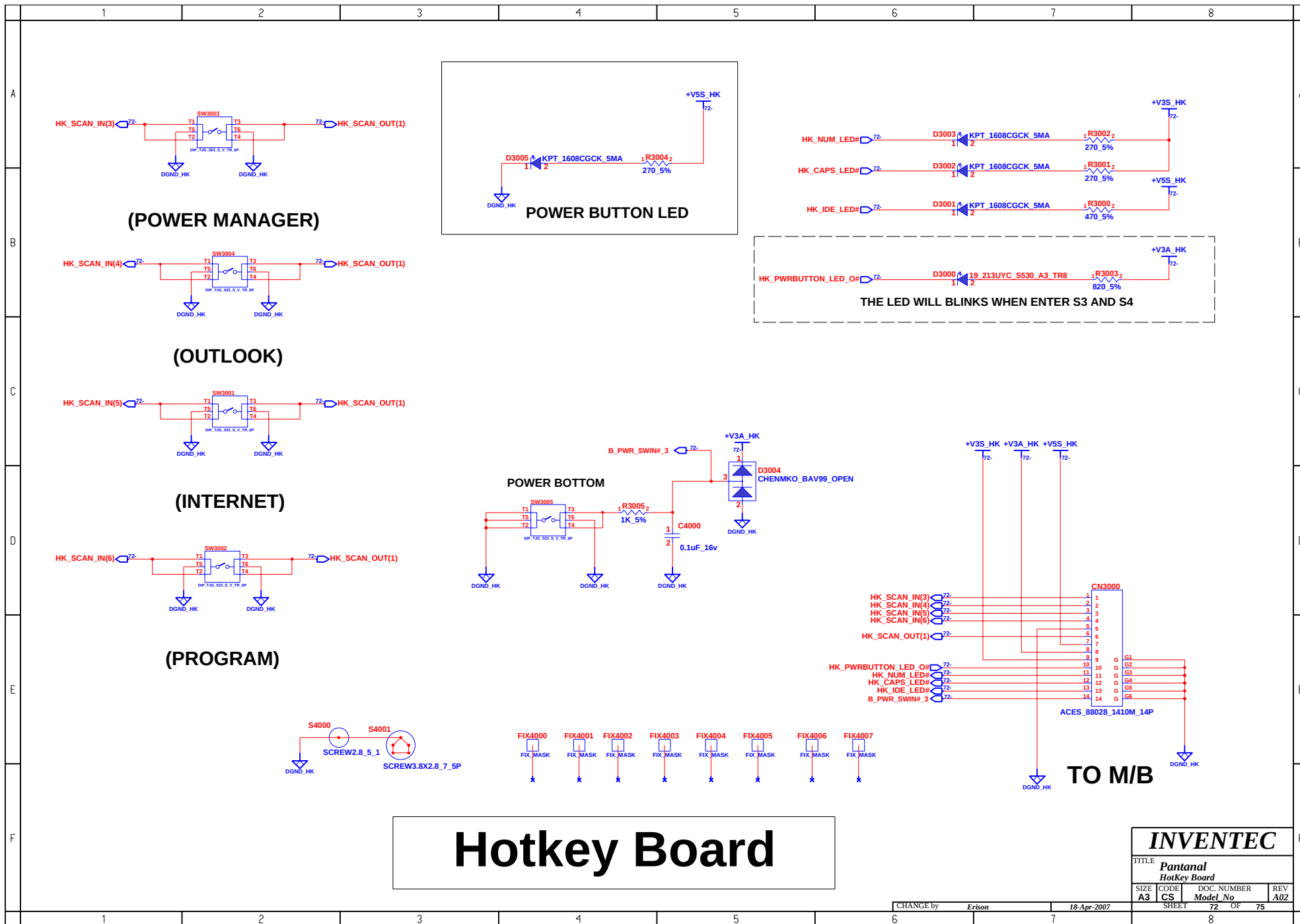
CHANGE by *Erison* 18-Apr-2007

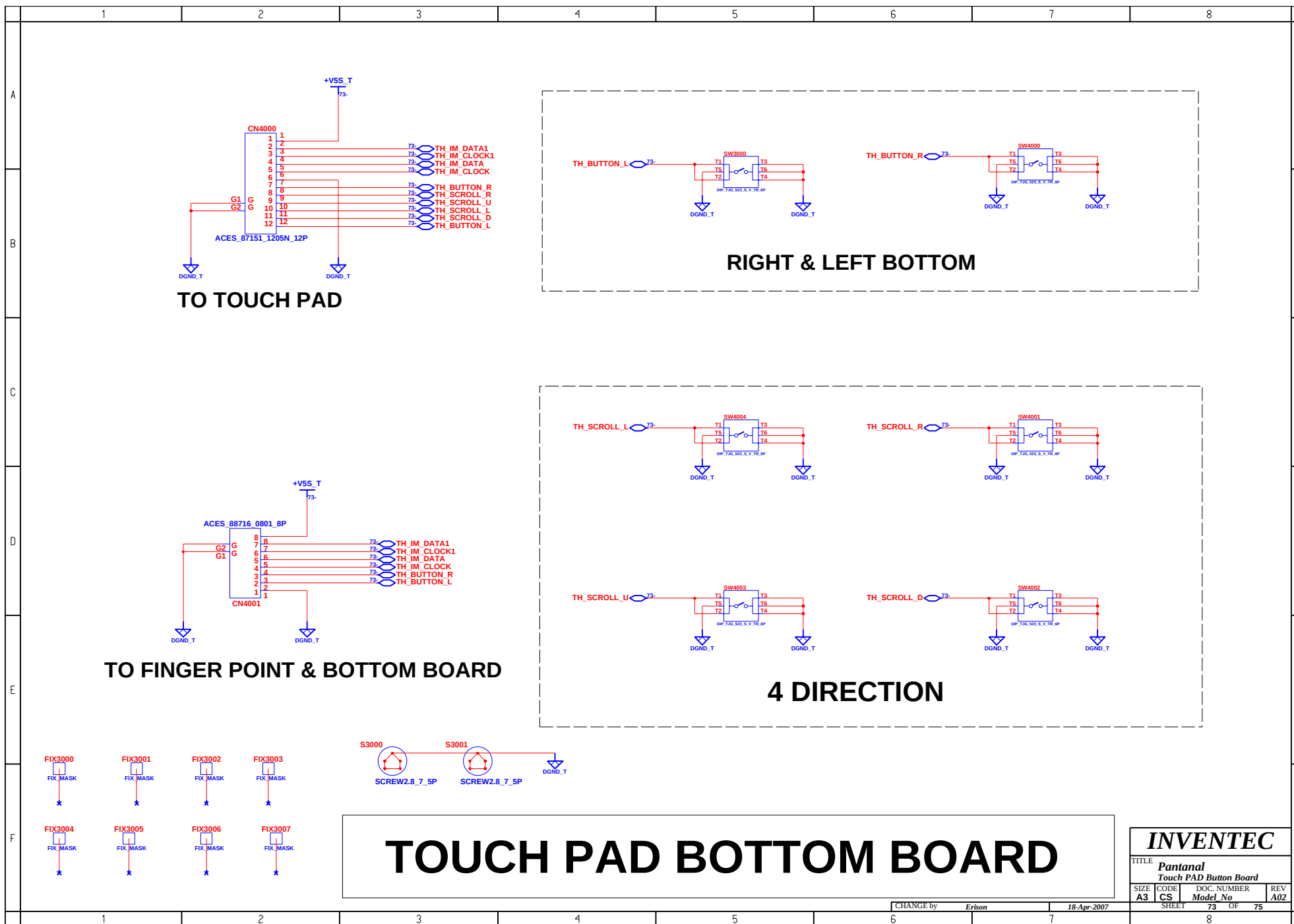












| INVENTEC                              |         |                      |         |
|---------------------------------------|---------|----------------------|---------|
| TITLE Pantanal Touch PAD Button Board |         |                      |         |
| SIZE A3                               | CODE CS | DOC. NUMBER Model No | REV A02 |
| SHEET 73                              |         | OF 75                |         |

ABCDEF

|           |               |             |
|-----------|---------------|-------------|
| CHANGE by | <i>Erison</i> | 24-Apr-2007 |
|-----------|---------------|-------------|

