

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

DATE	CHANGE NO.	REV

	EE	DATE	POWER	DATE
DRAWER				
DESIGN				
CHECK				
RESPONSIBLE				
SIZE = 3				
FILE NAME : XXXX-XXXXXX-XX				
P/N	XXXXXXXXXXXX			

SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	A02
SHEET		1	OF 75

INVENTEC	
TITLE Pantanal	

TABLE OF CONTENTS

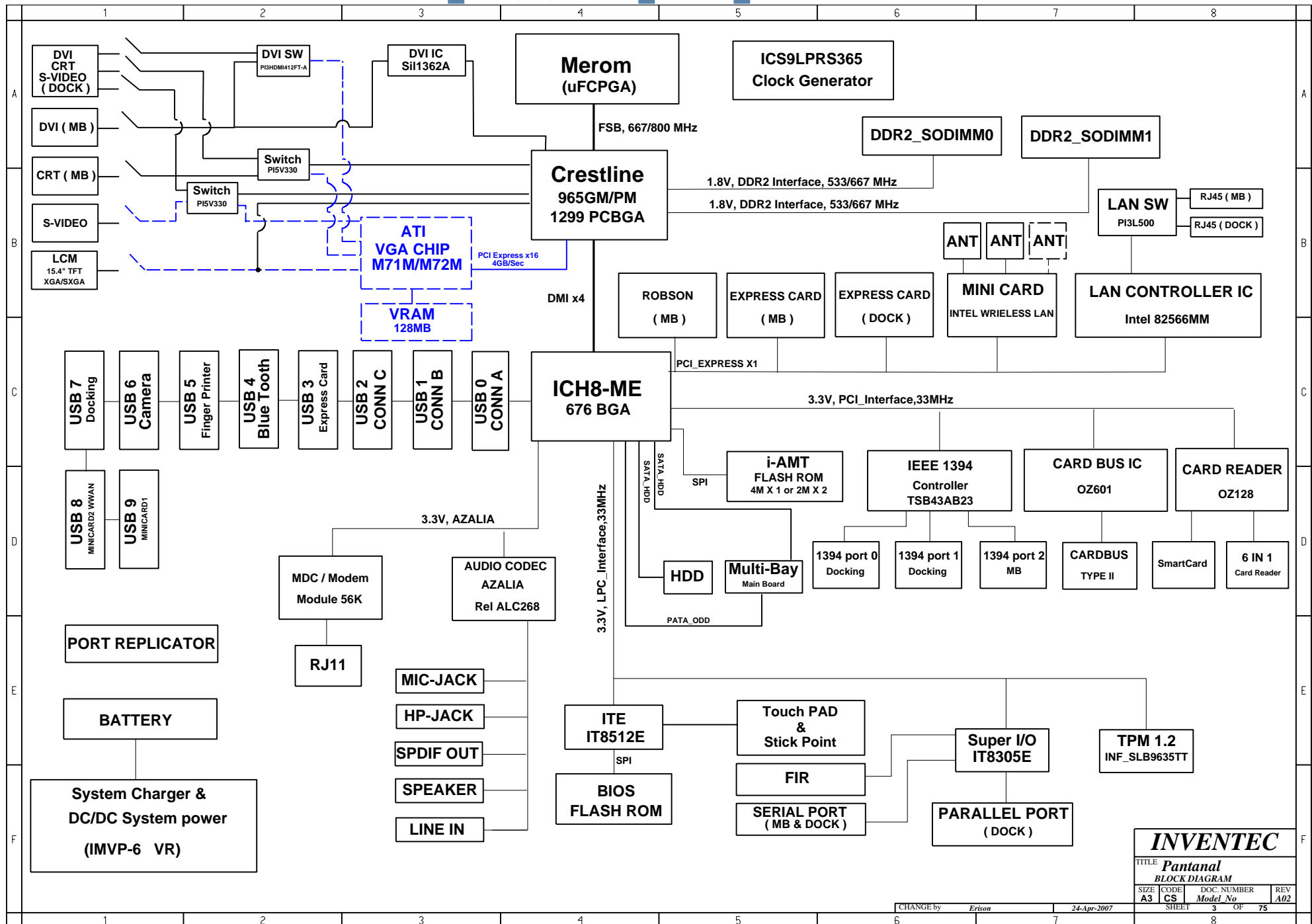
PAGE	PAGE	PAGE
1.COVER PAGE	35.ATI-M72-M-5	60.SMART CARD & 5 IN 1 CONN
2.INDEX	36.VRAM GDDR2-1	61.SMART CARD CONTROLLER
3.BLOCK DIAGRAM	37.VRAM GDDR2-2	62.AZALIA CODEC
4.POWER SEQUENCE BLOCK	38.DVI CONTROLLER	63.AMP & AUDIO JACK
5-14.SYSTEM POWER	39.CRT CONN & VIDEO SWITCH	64.WLAN & SIM SOCKET
15.CLOCK 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)
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	
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	

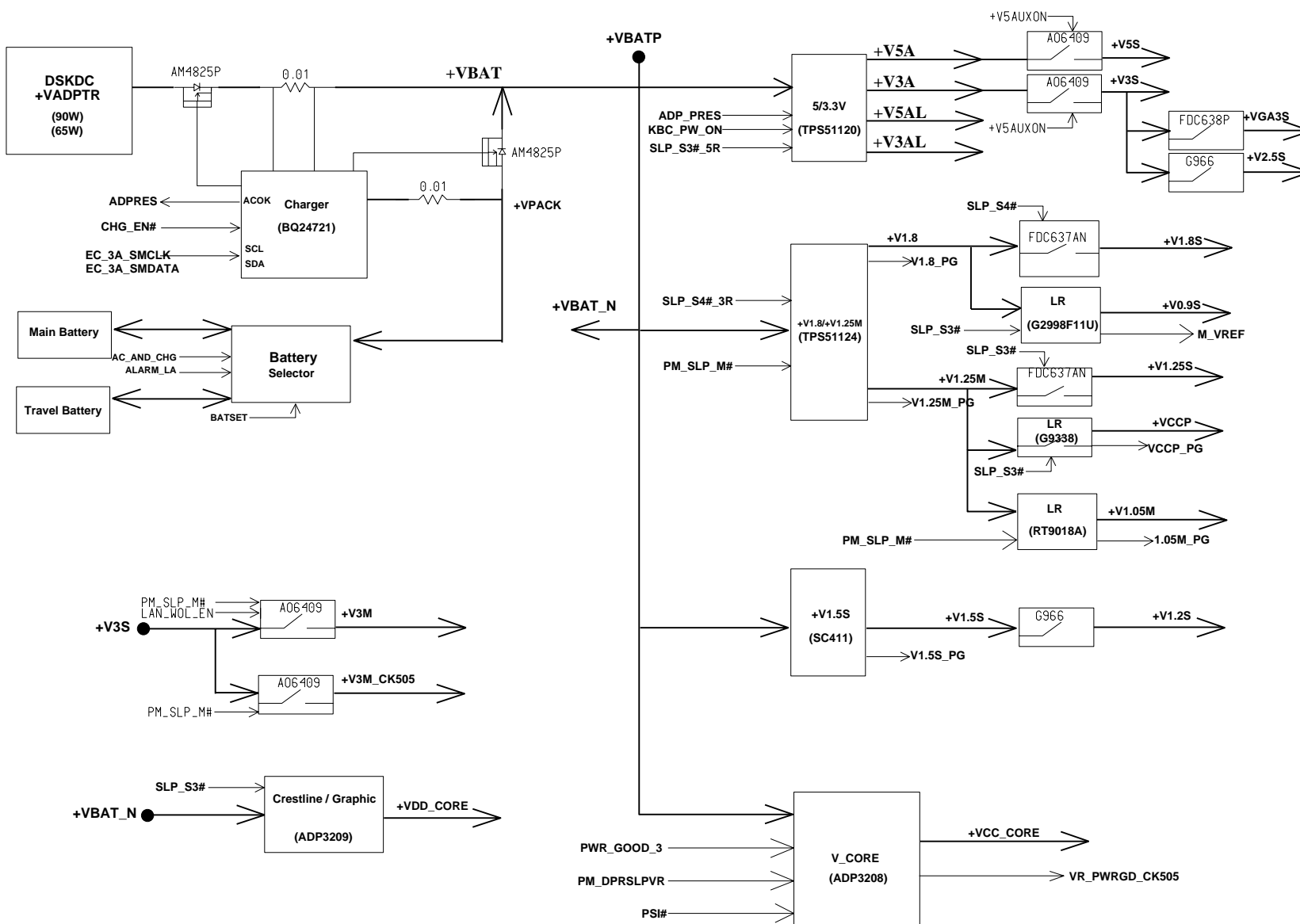
**INVENTEC**

TITLE *Pantanal*

SIZE <b>A3</b>	CODE <b>CS</b>	DOC. NUMBER <i>Model No</i>	REV <b>A02</b>
SHEET <b>2</b>		OF <b>75</b>	

CHANGE by *Erison* 18-Apr-2007





**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

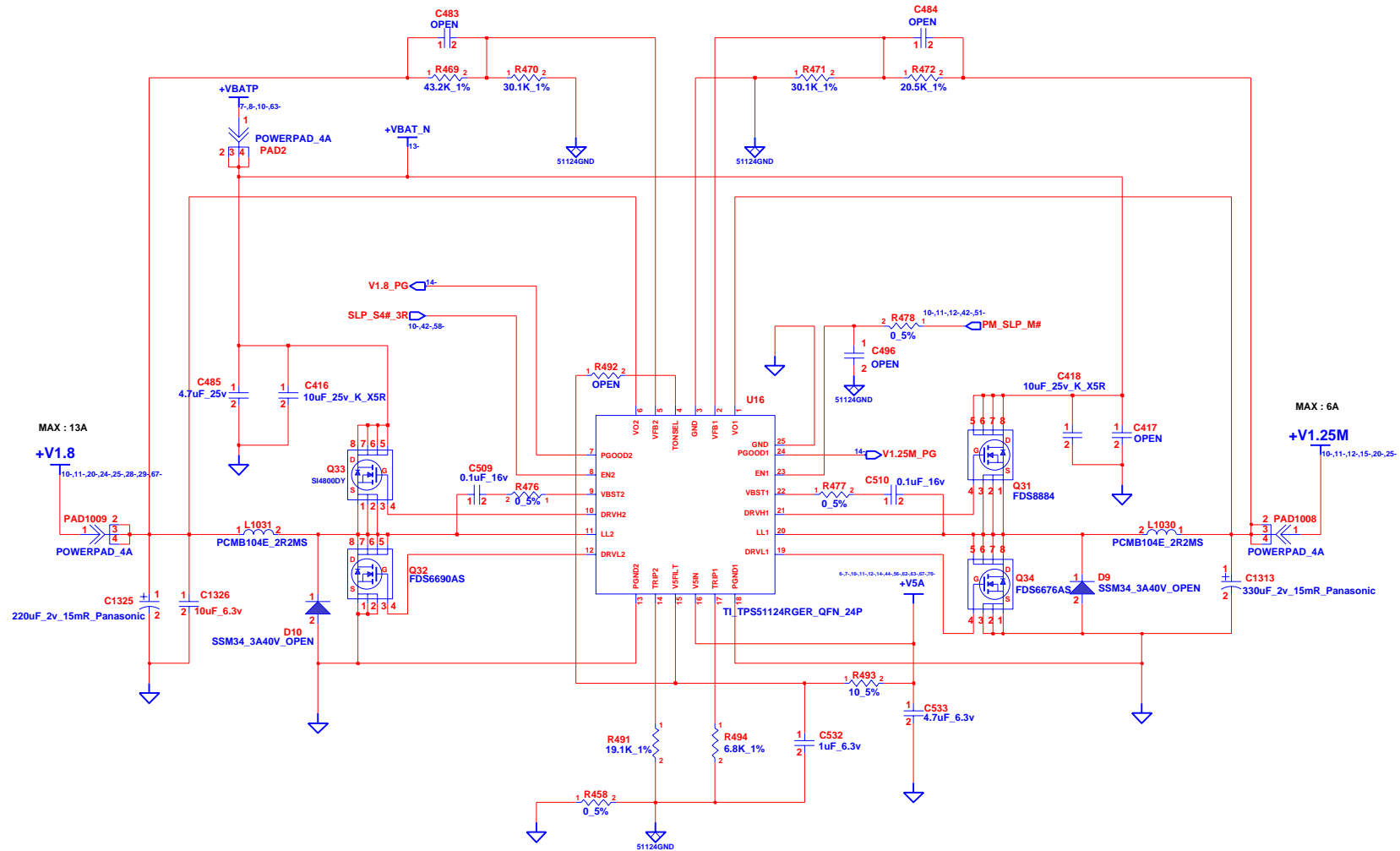










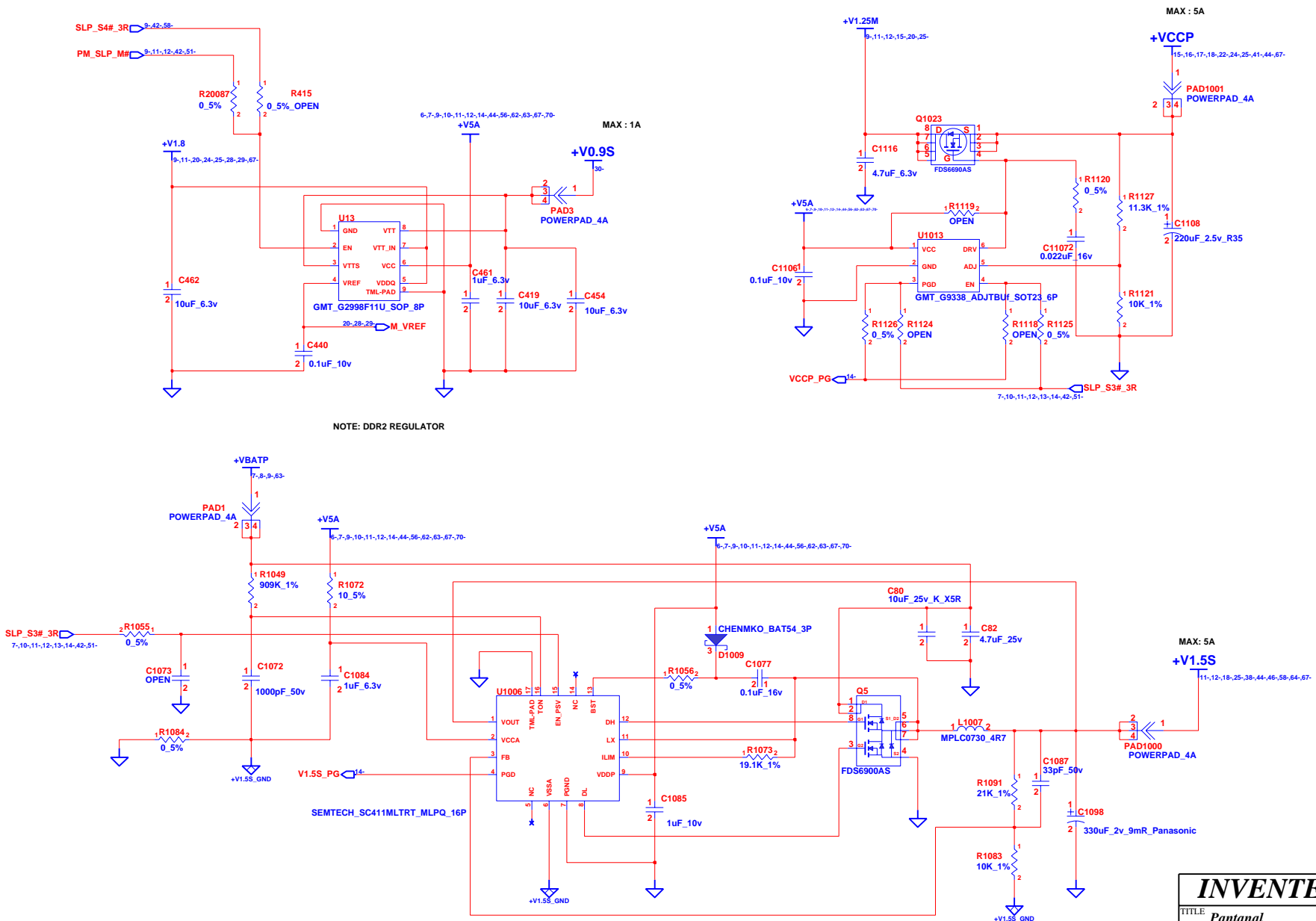


**INVENTEC**

TITLE <b>Pantanal SYSTEM PWR</b>			
SIZE <b>A3</b>	CODE <b>CS</b>	DOC. NUMBER <b>Model No</b>	REV <b>A02</b>

CHANGE by *Erison* 18-Apr-2007

SHEET 9 OF 75

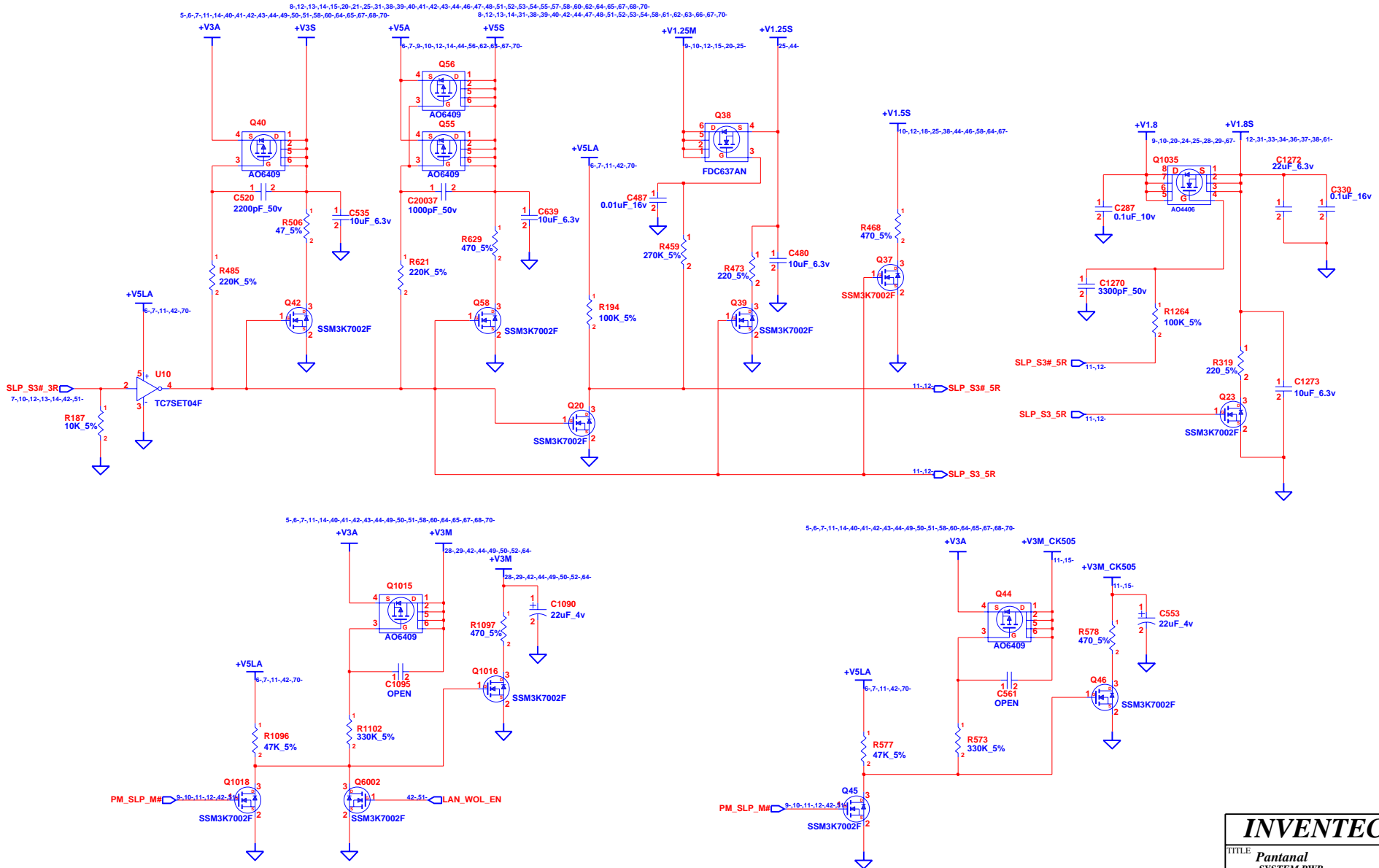


**INVENTEC**

TITLE			
Pantanal			
SYSTEM PWR			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	A02

CHANGE by Erison 18-Apr-2007

SHEET 10 OF 75

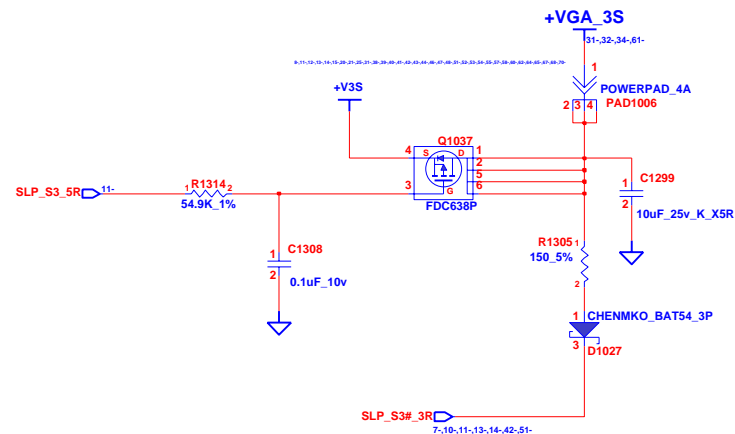
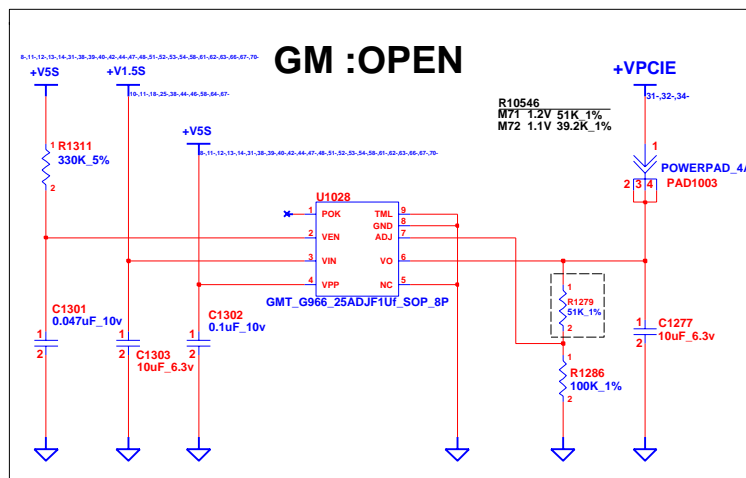
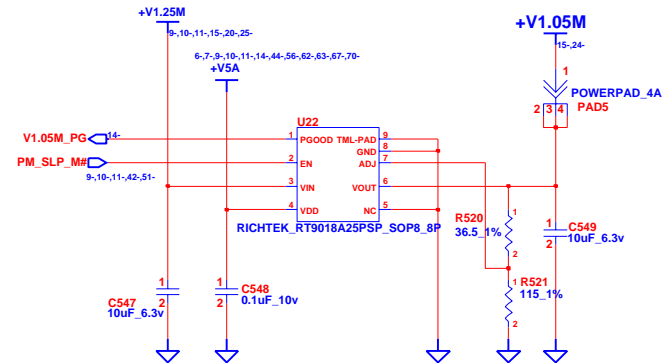
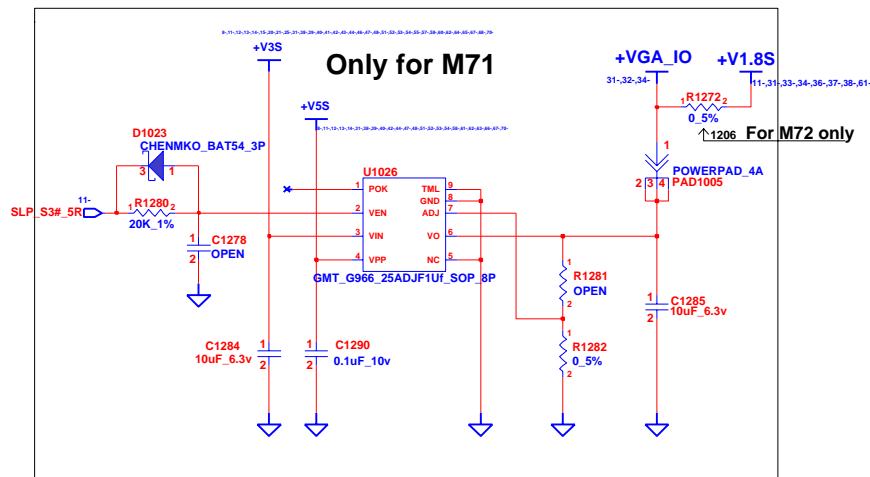


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TITLE <b>Pantanal SYSTEM PWR</b>			
SIZE <b>A3</b>	CODE <b>CS</b>	DOC. NUMBER <b>Model No</b>	REV <b>A02</b>

CHANGE by *Erison* 18-Apr-2007

SHEET 11 OF 75



**INVENTEC**

TITLE			
Pantanal SYSTEM PWR			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	A02

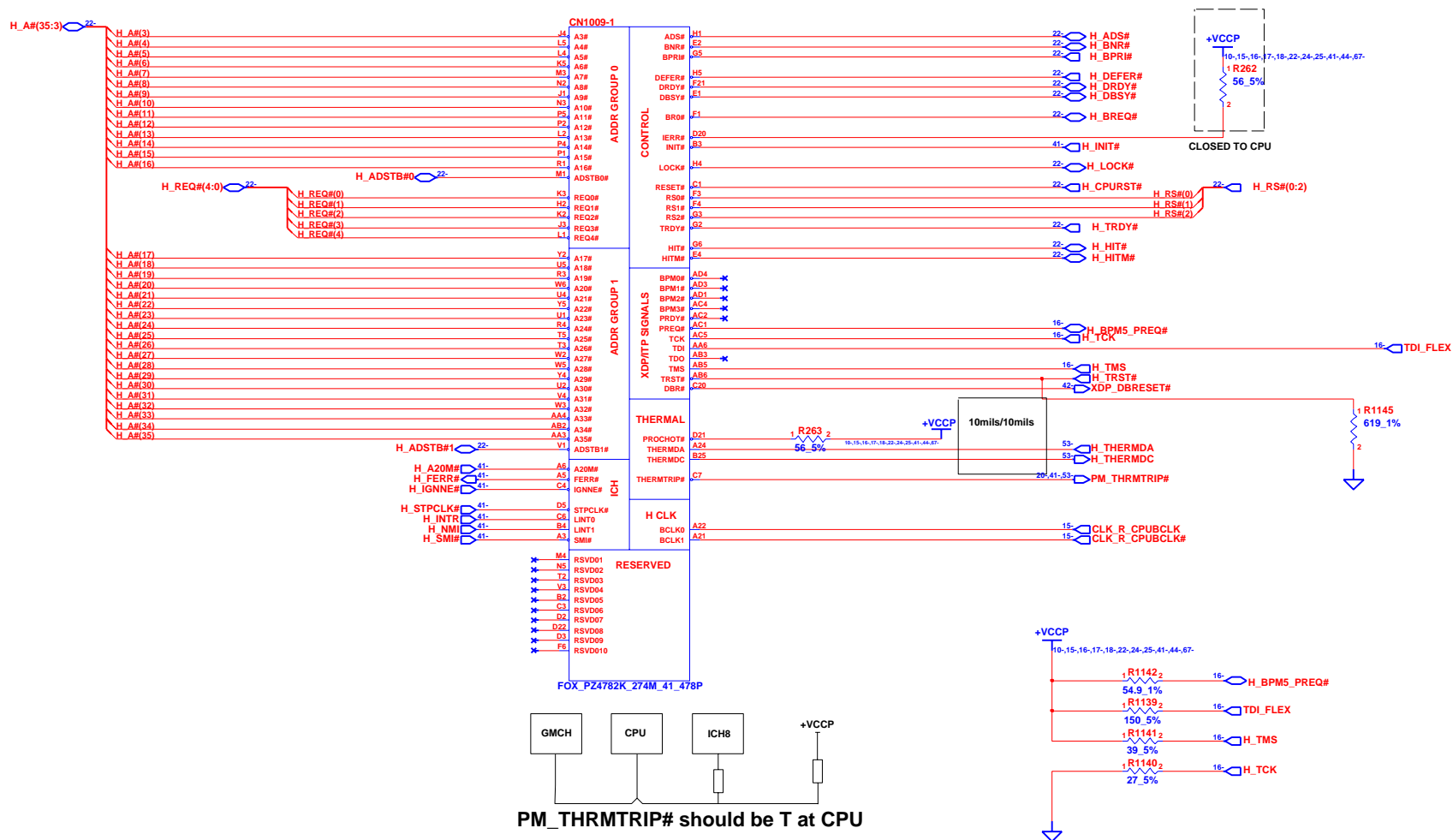
CHANGE by Erison 18-Apr-2007

SHEET 12 OF 75









**INVENTEC**

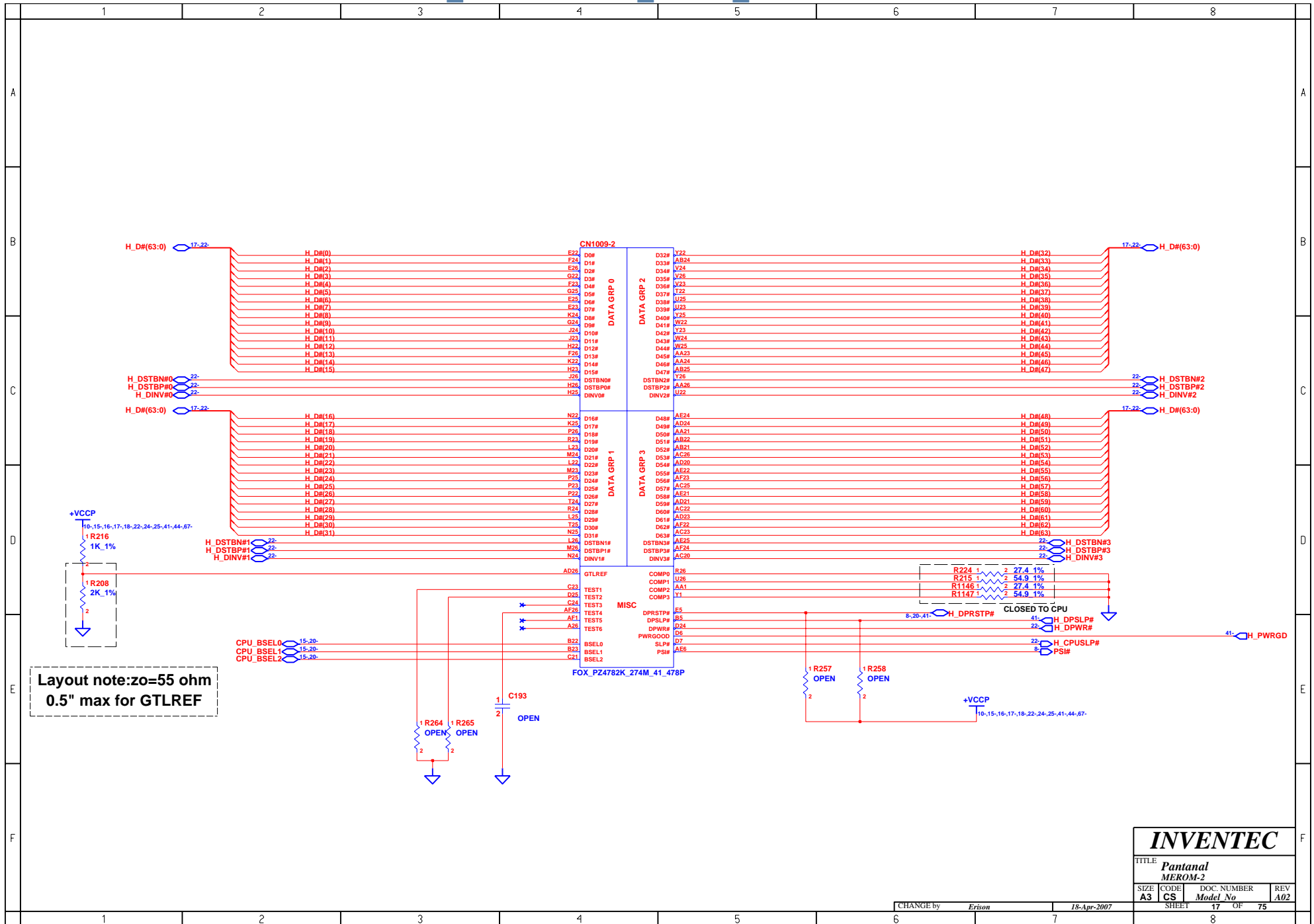
TITLE  
**Pantanal**  
**MEROM-1**

SIZE CODE CS DOC. NUMBER REV  
**A3** **Model No** **A02**

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

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**INVENTEC**

TITLE			
Pantanal			
MEROM-2			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	A02

CHANGE by Erison 18-Apr-2007

SHEET 17 OF 75



[illegible]

TITLE			
<i>Pantanal</i> <i>MEROM-4</i>			
SIZE	CODE	DOC. NUMBER	REV
<b>A3</b>	<b>CS</b>	<i>Model No</i>	<i>A02</i>

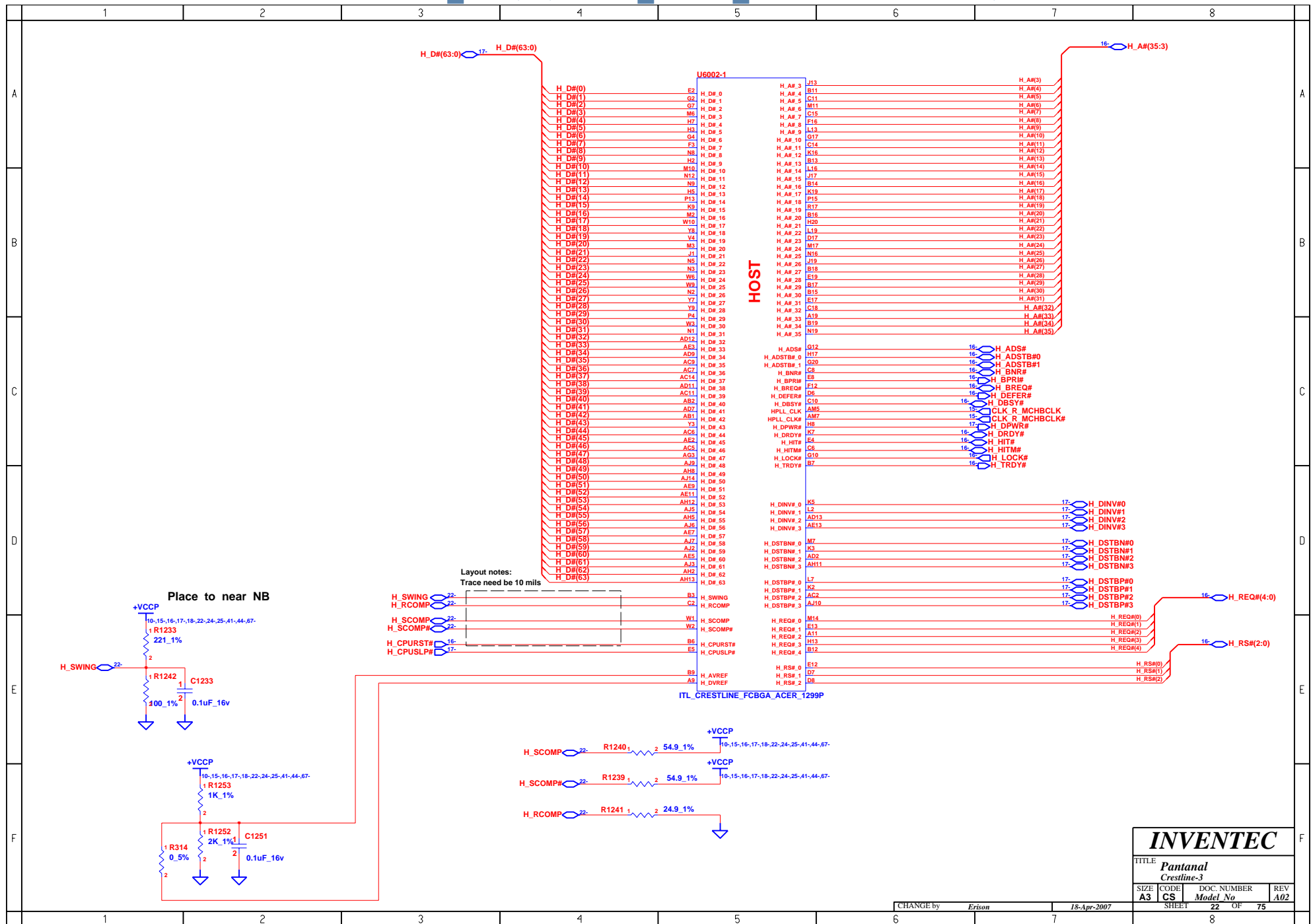
CHANGE by	<i>Erison</i>	<i>18-Apr-2007</i>
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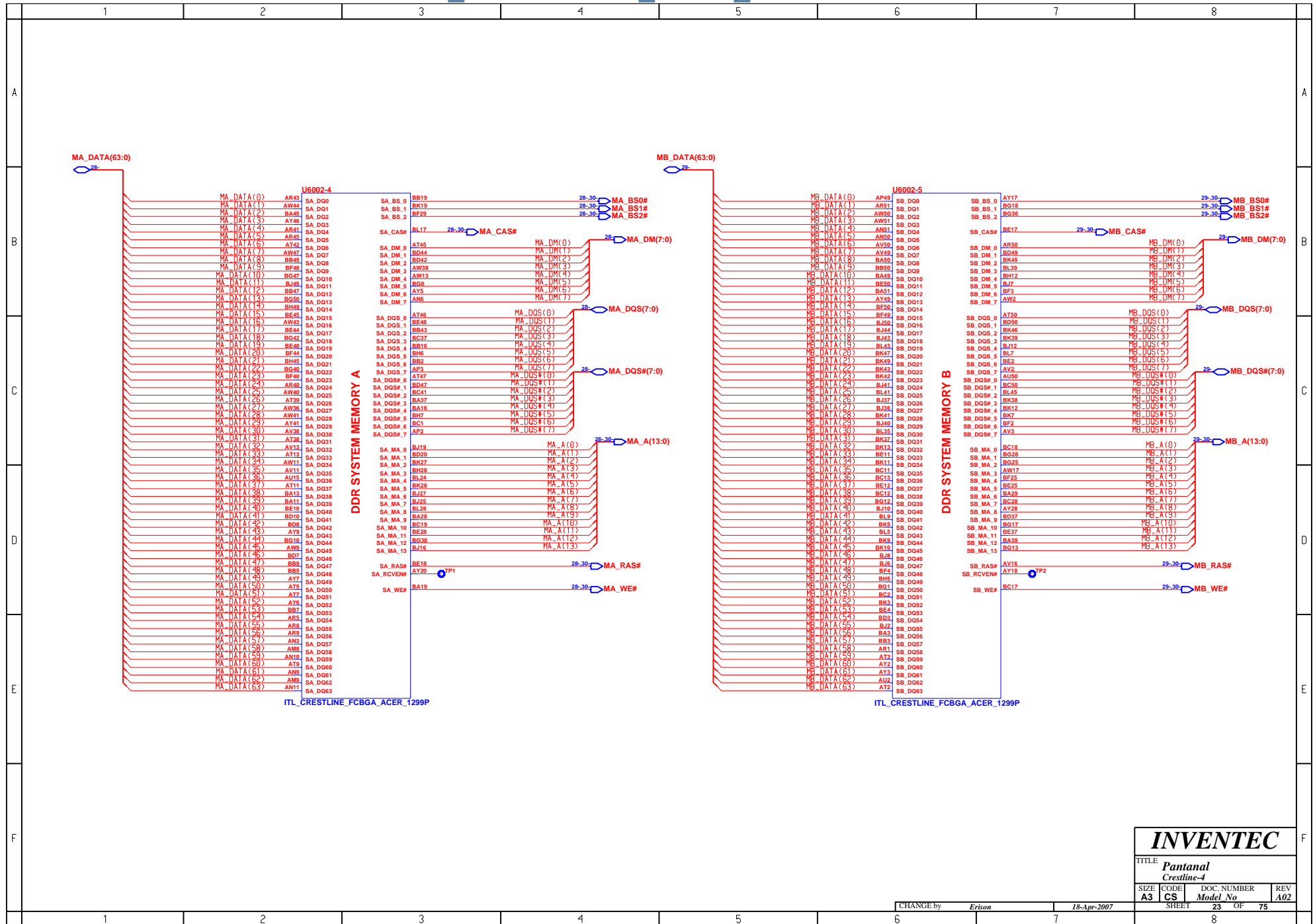
CS	Model No		
SHEET	19	OF	75

8









INVENTEC

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







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A									A
B									B
C									C
D									D
E									E
F									F

U6002-9

A13

VSS\_1

VSS\_100

AW24

A15

VSS\_2

VSS\_101

AW29

A17

VSS\_3

VSS\_102

AW32

A24

VSS\_4

VSS\_103

AW5

A25

VSS\_5

VSS\_104

AW7

AA24

VSS\_6

VSS\_105

AY10

AA29

VSS\_7

VSS\_106

AY24

AB24

VSS\_8

VSS\_107

AY37

AB25

VSS\_9

VSS\_108

AY42

AB26

VSS\_10

VSS\_109

AY43

AB28

VSS\_11

VSS\_110

AY45

AB31

VSS\_12

VSS\_111

AY47

AC10

VSS\_13

VSS\_112

AY50

AC13

VSS\_14

VSS\_113

B10

AC2

VSS\_15

VSS\_114

B20

AC28

VSS\_16

VSS\_115

B24

AC43

VSS\_17

VSS\_116

B29

AC47

VSS\_18

VSS\_117

B30

AD1

VSS\_19

VSS\_118

B35

AD21

VSS\_20

VSS\_119

B38

AD26

VSS\_21

VSS\_120

B43

AD29

VSS\_22

VSS\_121

B46

AJ3

VSS\_23

VSS\_122

B5

AD41

VSS\_24

VSS\_123

BA1

AD45

VSS\_25

VSS\_124

BA17

AD46

VSS\_26

VSS\_125

BA18

AD5

VSS\_27

VSS\_126

BA2

AD58

VSS\_28

VSS\_127

BA24

AD6

VSS\_29

VSS\_128

BB12

AE10

VSS\_30

VSS\_129

BB25

AE14

VSS\_31

VSS\_130

BB40

AES

VSS\_32

VSS\_131

BB44

AF20

VSS\_33

VSS\_132

BB49

AF23

VSS\_34

VSS\_133

BB8

AF24

VSS\_35

VSS\_134

BC16

AF31

VSS\_36

VSS\_135

BC24

AG2

VSS\_37

VSS\_136

BC25

AG38

VSS\_38

VSS\_137

BC26

AG45

VSS\_39

VSS\_138

BC40

AG47

VSS\_40

VSS\_139

BC51

AG50

VSS\_41

VSS\_140

BD13

AH3

VSS\_42

VSS\_141

BD2

AH45

VSS\_43

VSS\_142

BD28

AH45

VSS\_44

VSS\_143

BD45

AH7

VSS\_45

VSS\_144

BD48

AH8

VSS\_46

VSS\_145

BE1

AJ11

VSS\_47

VSS\_146

BE19

AJ13

VSS\_48

VSS\_147

BE23

AJ21

VSS\_49

VSS\_148

BE30

AJ24

VSS\_50

VSS\_149

BE42

AJ28

VSS\_51

VSS\_150

BE51

AJ32

VSS\_52

VSS\_151

BF12

AJ43

VSS\_53

VSS\_152

BF16

AJ45

VSS\_54

VSS\_153

BF36

AJ49

VSS\_55

VSS\_154

BG19

AK20

VSS\_56

VSS\_155

BG2

AK21

VSS\_57

VSS\_156

BG24

AK28

VSS\_58

VSS\_157

BG29

AK28

VSS\_59

VSS\_158

BG39

AK31

VSS\_60

VSS\_159

BG48

AK51

VSS\_61

VSS\_160

BG5

AL3

VSS\_62

VSS\_161

BH17

AM11

VSS\_63

VSS\_162

BH30

AM13

VSS\_64

VSS\_163

BH44

AM3

VSS\_65

VSS\_164

BH46

AM4

VSS\_66

VSS\_165

BH6

AM41

VSS\_67

VSS\_166

BH11

AM45

VSS\_68

VSS\_167

BH13

AM1

VSS\_69

VSS\_168

BH39

AN38

VSS\_70

VSS\_169

BH42

AN39

VSS\_71

VSS\_170

BH46

AN45

VSS\_72

VSS\_171

BK17

AN5

VSS\_73

VSS\_172

BK25

AN7

VSS\_74

VSS\_173

BK29

AP4

VSS\_75

VSS\_174

BK40

AP48

VSS\_76

VSS\_175

BK44

AP58

VSS\_77

VSS\_176

BK8

AR11

VSS\_78

VSS\_177

BL11

AR2

VSS\_79

VSS\_178

BL13

AR38

VSS\_80

VSS\_179

BL19

AR46

VSS\_81

VSS\_180

BL22

AR47

VSS\_82

VSS\_181

BL37

AR7

VSS\_83

VSS\_182

BL47

AT10

VSS\_84

VSS\_183

C12

AT14

VSS\_85

VSS\_184

C16

AT41

VSS\_86

VSS\_185

C19

AT49

VSS\_87

VSS\_186

C28

AU1

VSS\_88

VSS\_187

C29

AU21

VSS\_89

VSS\_188

C33

AU29

VSS\_90

VSS\_189

C36

AU3

VSS\_91

VSS\_190

C41

AU38

VSS\_92

VSS\_191

AU45

VSS\_93

VSS\_192

AU51

VSS\_94

VSS\_193

AV38

VSS\_95

VSS\_194

AV48

VSS\_96

VSS\_195

AW1

VSS\_97

VSS\_196

AW12

VSS\_98

VSS\_197

AW16

VSS\_99

VSS\_198

ITL\_CRESTRINE\_FCBGA\_ACER\_1299P

U6002-10

C46

VSS\_199

VSS\_287

W11

C47

VSS\_200

VSS\_288

W39

C1

VSS\_201

VSS\_289

W43

D13

VSS\_202

VSS\_290

W47

D24

VSS\_203

VSS\_291

W5

D1

VSS\_204

VSS\_292

W7

D34

VSS\_205

VSS\_293

Y13

D39

VSS\_206

VSS\_294

Y2

D45

VSS\_207

VSS\_295

Y41

D46

VSS\_208

VSS\_296

Y45

E10

VSS\_209

VSS\_297

Y49

E16

VSS\_210

VSS\_298

Y5

E24

VSS\_211

VSS\_299

Y59

E38

VSS\_212

VSS\_300

Y11

E39

VSS\_213

VSS\_301

Y29

E47

VSS\_214

VSS\_302

Y29

F19

VSS\_215

VSS\_303

Y31

F38

VSS\_216

VSS\_304

Y33

FL

VSS\_217

VSS\_305

Y38

F40

VSS\_218

VSS\_313

F59

VSS\_219

VSS\_306

AA32

G1

VSS\_220

VSS\_307

AB32

G13

VSS\_221

VSS\_308

AD32

G16

VSS\_222

VSS\_309

AF28

G18

VSS\_223

VSS\_310

AF29

G24

VSS\_224

VSS\_311

AT27

G28

VSS\_225

VSS\_312

AV25

G29

VSS\_226

VSS\_313

AV30

G45

VSS\_227

VSS\_313

G45

VSS\_228

VSS\_313

G48

VSS\_229

VSS\_313

H1

VSS\_230

VSS\_313

H24

VSS\_231

VSS\_313

H24

VSS\_232

VSS\_313

H28

VSS\_233

VSS\_313

H4

VSS\_234

VSS\_313

H45

VSS\_235

VSS\_313

J11

VSS\_236

VSS\_313

J16

VSS\_237

VSS\_313

J24

VSS\_238

VSS\_313

J24

VSS\_239

VSS\_313

J28

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J33

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J35

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J35

VSS\_243

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K12

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K47

VSS\_246

VSS\_313

K5

VSS\_247

VSS\_313

L1

VSS\_248

VSS\_313

L17

VSS\_249

VSS\_313

L29

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VSS\_251

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VSS\_313

L39

VSS\_254

VSS\_313

L45

VSS\_255

VSS\_313

M28

VSS\_256

VSS\_313

M42

VSS\_257

VSS\_313

M45

VSS\_258

VSS\_313

M49

VSS\_259

VSS\_313

M5

VSS\_260

VSS\_313

M58

VSS\_261

VSS\_313

M5

VSS\_262

VSS\_313

N11

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VSS\_313

N32

VSS\_267

VSS\_313

N36

VSS\_268

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N39

VSS\_269

VSS\_313

N44

VSS\_270

VSS\_313

N49

VSS\_271

VSS\_313

N7

VSS\_272

VSS\_313

P17

VSS\_273

VSS\_313

P5

VSS\_274

VSS\_313

P23

VSS\_275

VSS\_313

P3

VSS\_276

VSS\_313

P39

VSS\_277

VSS\_313

R49

VSS\_278

VSS\_313

T39

VSS\_279

VSS\_313

T43

VSS\_280

VSS\_313

T45

VSS\_281

VSS\_313

U41

VSS\_282

VSS\_313

U45

VSS\_283

VSS\_313

U59

VSS\_284

VSS\_313

V5

VSS\_285

VSS\_313

V3

VSS\_286

VSS\_313

ITL\_CRESTRINE\_FCBGA\_ACER\_1299P

INVENTEC			
TITLE Pantanal Crestline-7			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV A02
CHANGE by Erison		18-Apr-2007	
SHEET 26		OF 75	

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

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

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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- 1 2 38- SDVOB\_R+ C424 OPEN

PEG\_TXN0 21-27- 1 2 38- SDVOB\_R- C425 OPEN

PEG\_TXP1 21-27- 1 2 38- SDVOB\_G+ C422 OPEN

PEG\_TXN1 21-27- 1 2 38- SDVOB\_G- C423 OPEN

PEG\_TXP2 21-27- 1 2 38- SDVOB\_B+ C428 OPEN

PEG\_TXN2 21-27- 1 2 38- SDVOB\_B- C429 OPEN

PEG\_TXP3 21-27- 1 2 38- SDVOB\_CLK+ C426 OPEN

PEG\_TXN3 21-27- 1 2 38- SDVOB\_CLK- C427 OPEN

**PM : OPEN , GM : ORIGINAL**

PEG\_C\_RXN1 21-32- 1 R394 2 38- PEG\_C1\_RXN1 0.5% OPEN

PEG\_C\_RXP1 21-32- 1 R393 2 38- PEG\_C1\_RXP1 0.5% OPEN

**DVI : INSTALL**

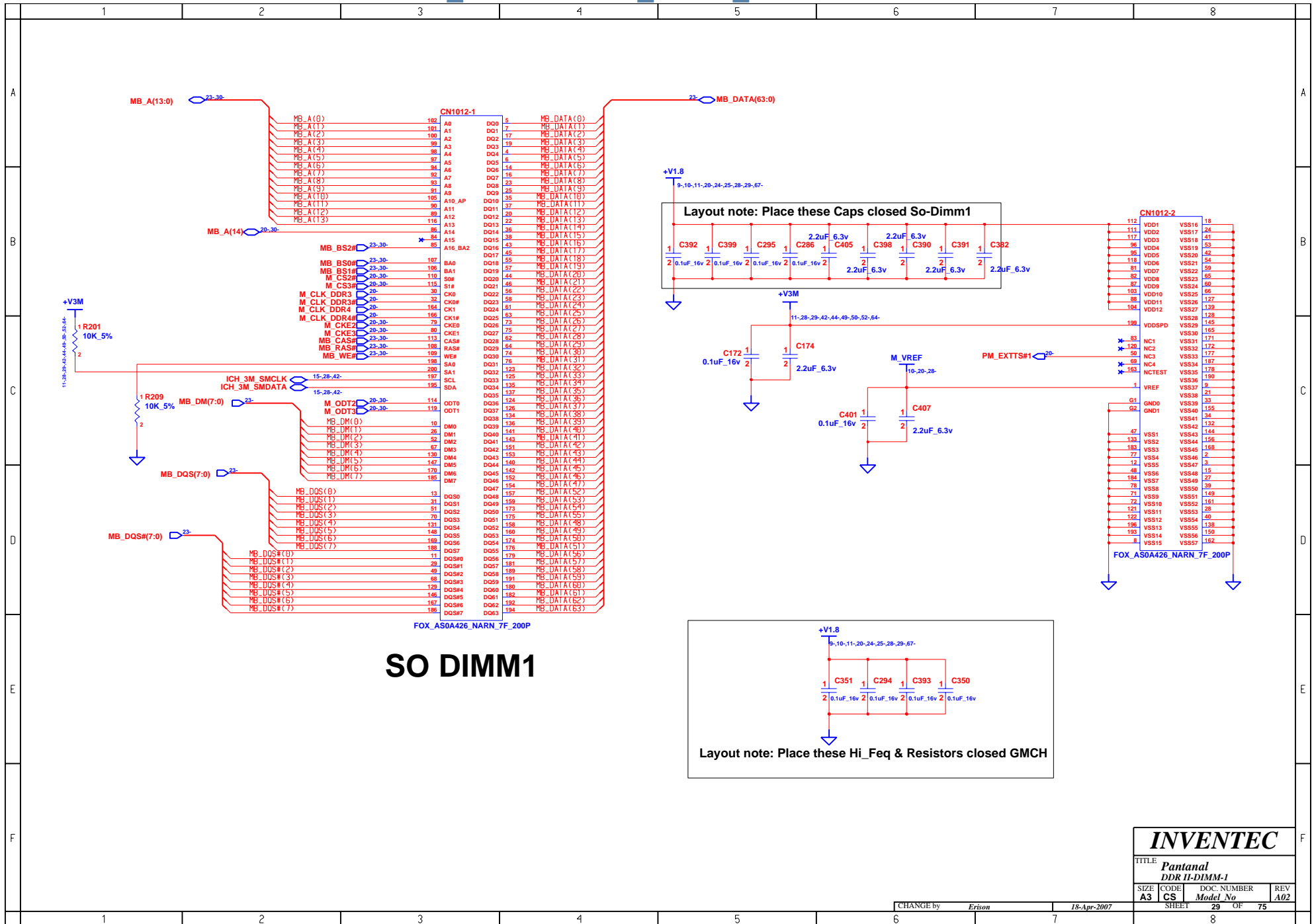
**PM : OPEN , GM : SHORT**

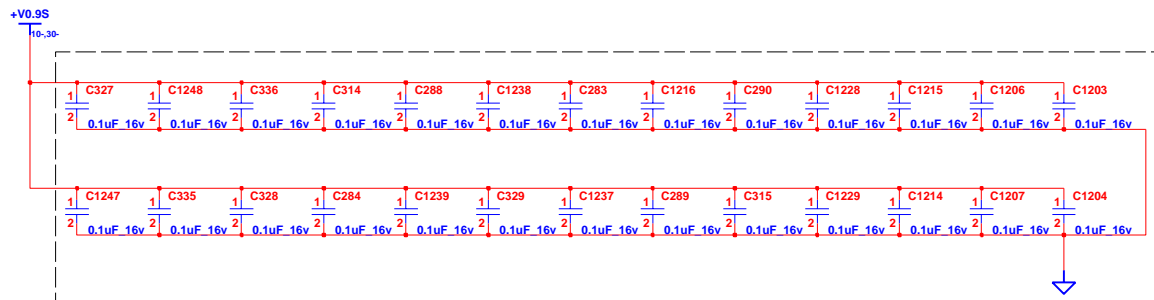
<b>INVENTEC</b>			
TITLE <b>Pantanal</b>			
PCI-E to SDVO			
SIZE <b>A3</b>	CODE <b>CS</b>	DOC. NUMBER <b>Model No</b>	REV <b>A02</b>
CHANGE by <b>Erison</b>		18-Apr-2007	
SHEET <b>27</b>		OF <b>75</b>	

## FOX\_AS0A42X\_N2RX\_RVS\_5.2mm\_200P

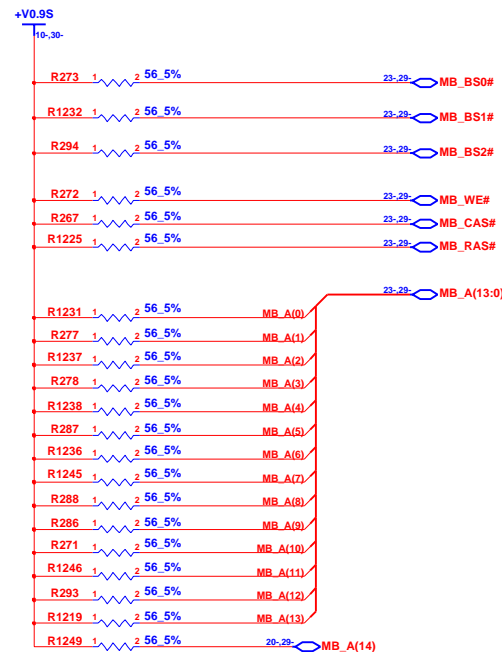
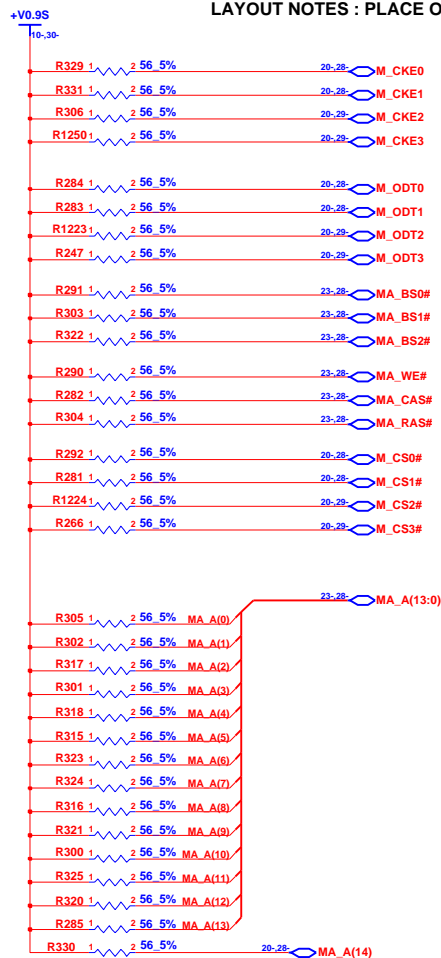
TITLE	<i>Pantanal</i> <i>DDR II-DIMM-0</i>
-------	-----------------------------------------

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





LAYOUT NOTES : PLACE ONE CAP CLOSE TO EVERY 2 PULL UP RESISTOR TERMINATED TO +V0.9S



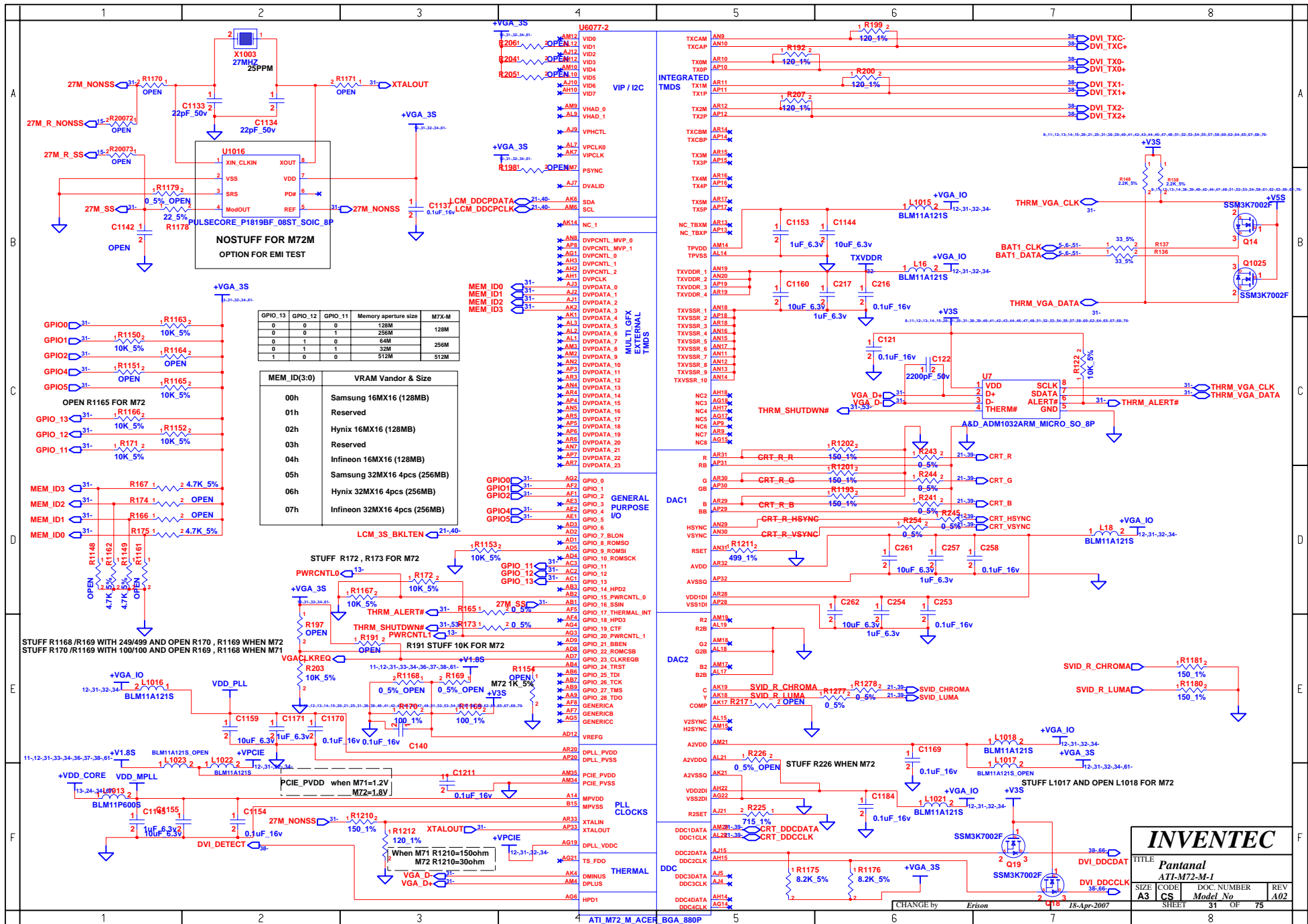
**INVENTEC**

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

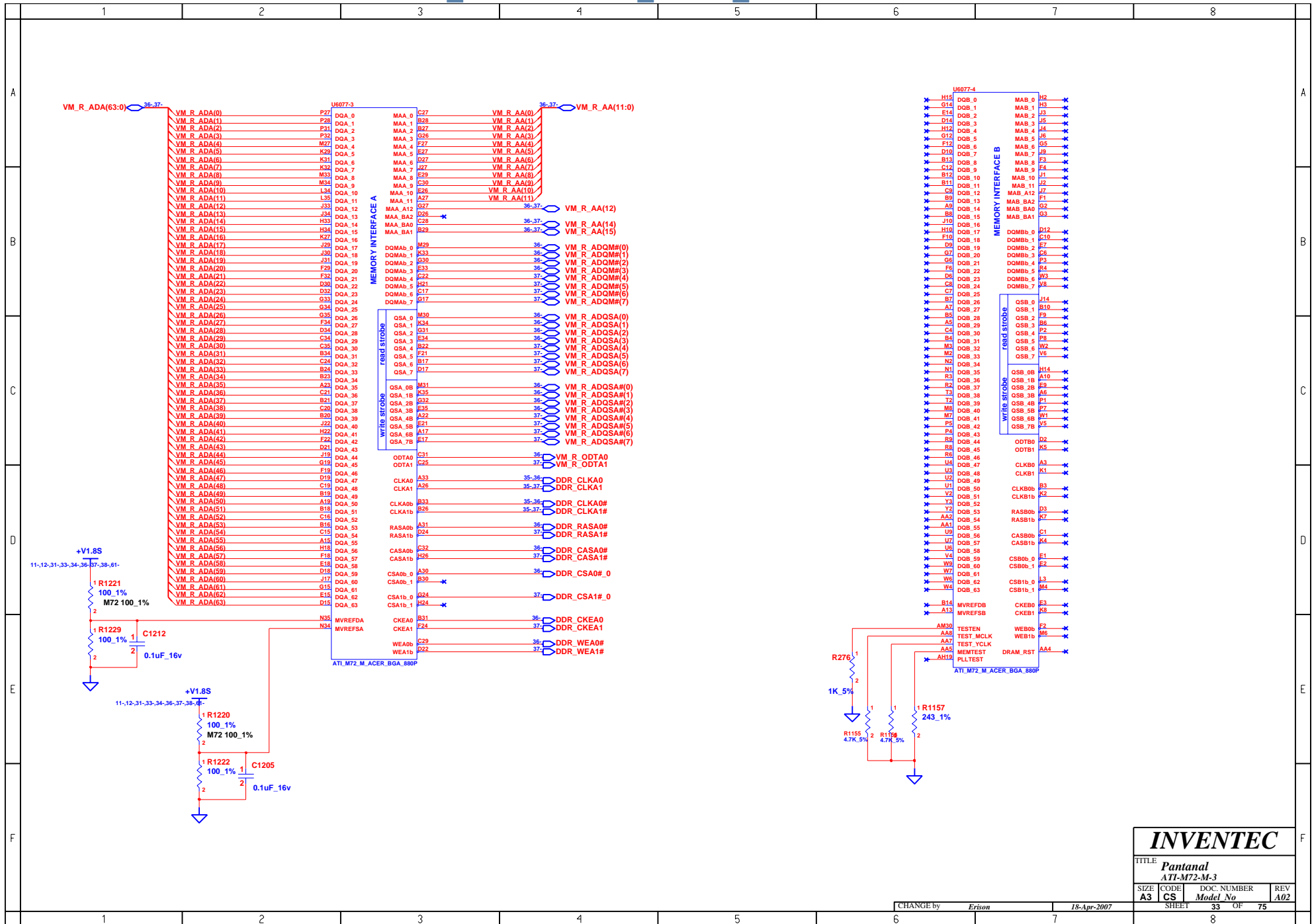
A3 CS Model No 31 75

CHANGE by Erison

18-Apr-2007







INVENTEC

TITLE  
Pantanal  
ATI-M72-M-3

SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	A02

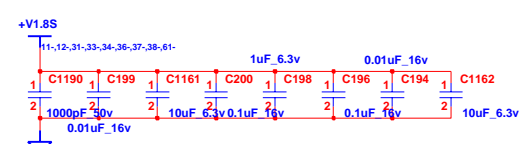
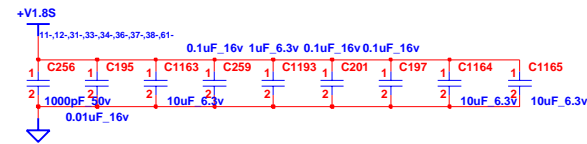
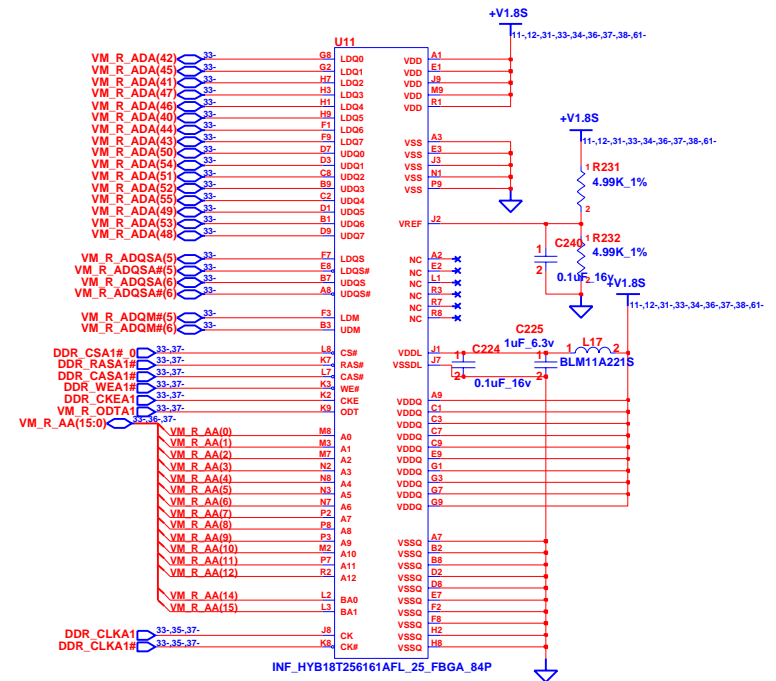
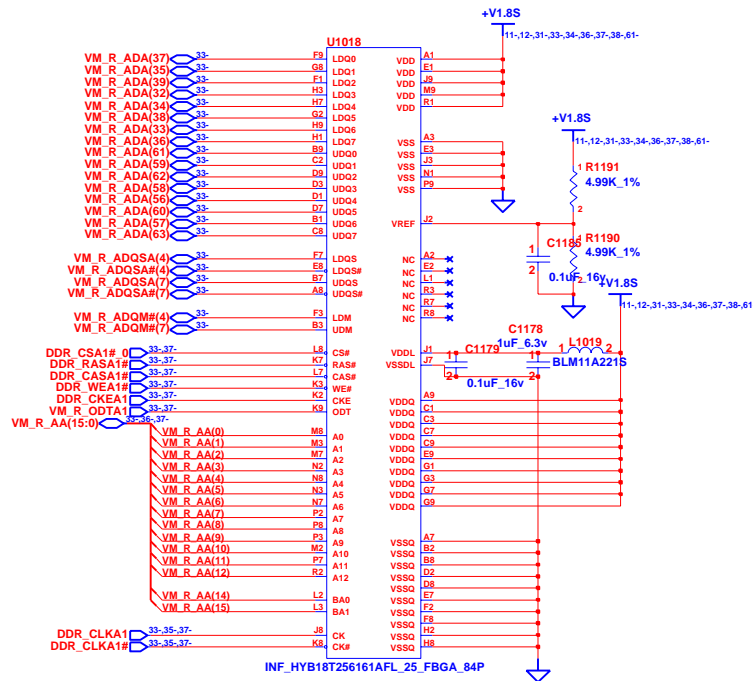
CHANGE by Erison 18-Apr-2007

SHEET 33 OF 75









INVENTEC

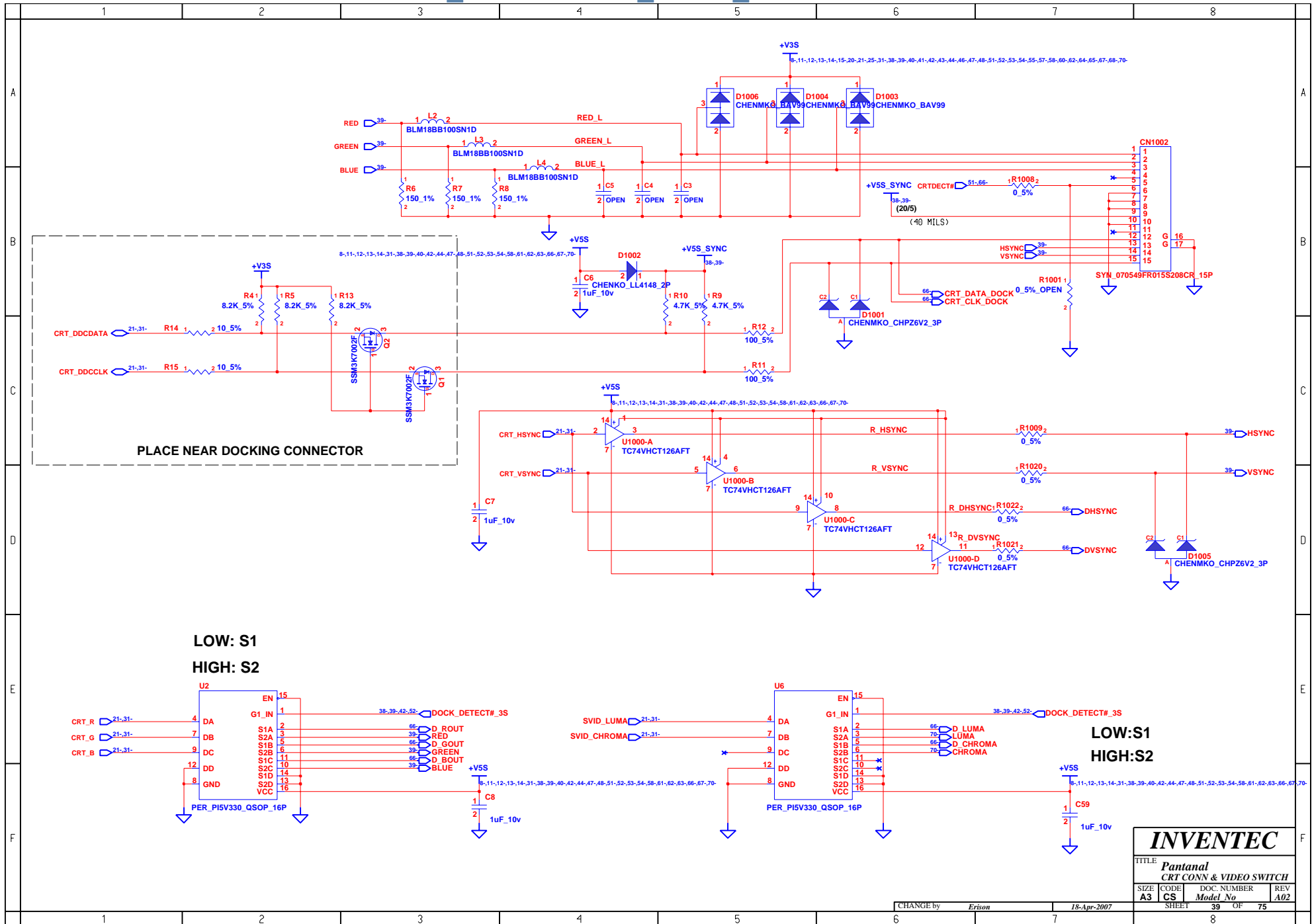
TITLE  
Pantanal  
VRAM GDDR2-2

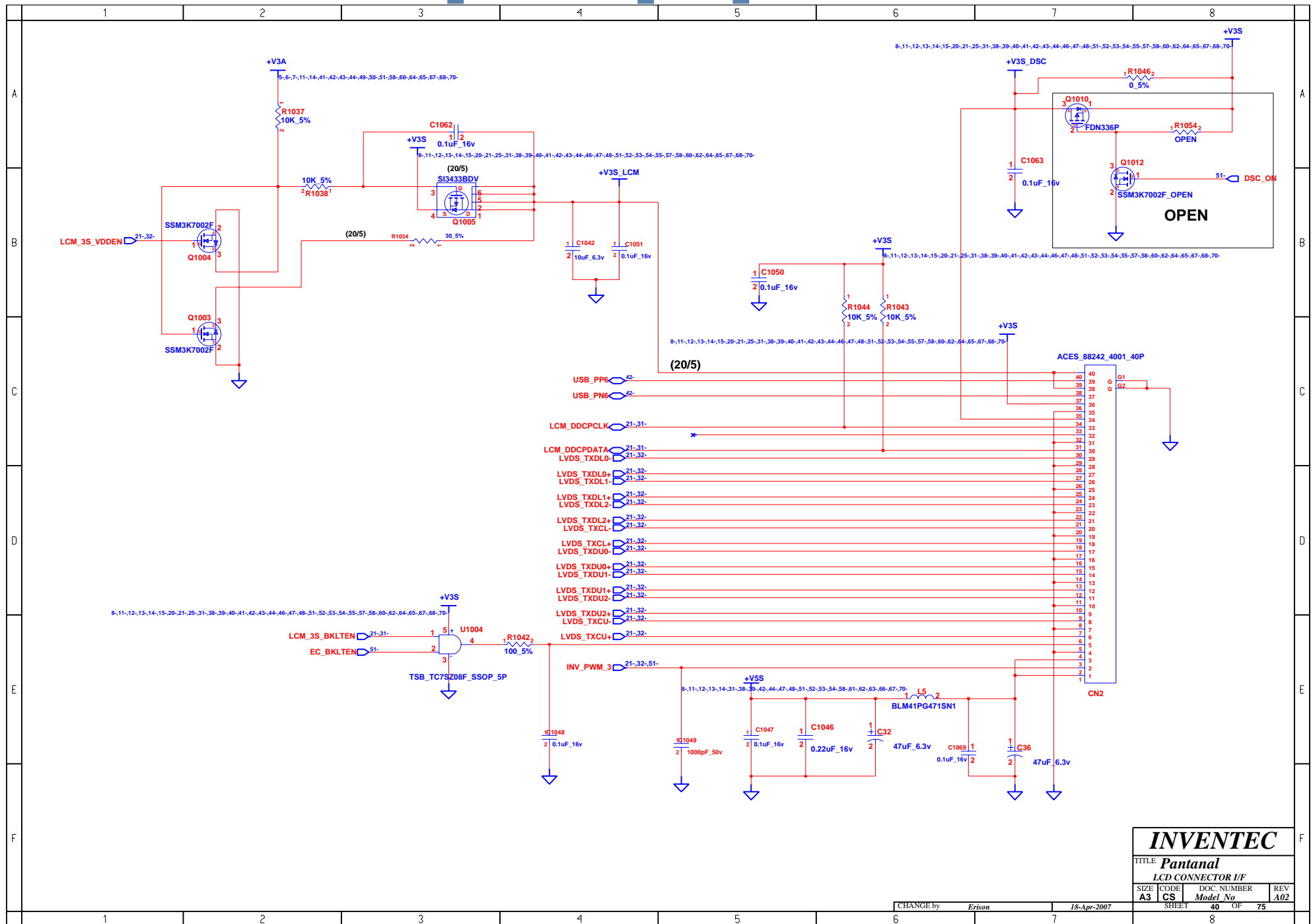
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	A02

CHANGE by Erison 18-Apr-2007

SHEET 37 OF 75







**INVENTEC**

TITLE **Pantanal**

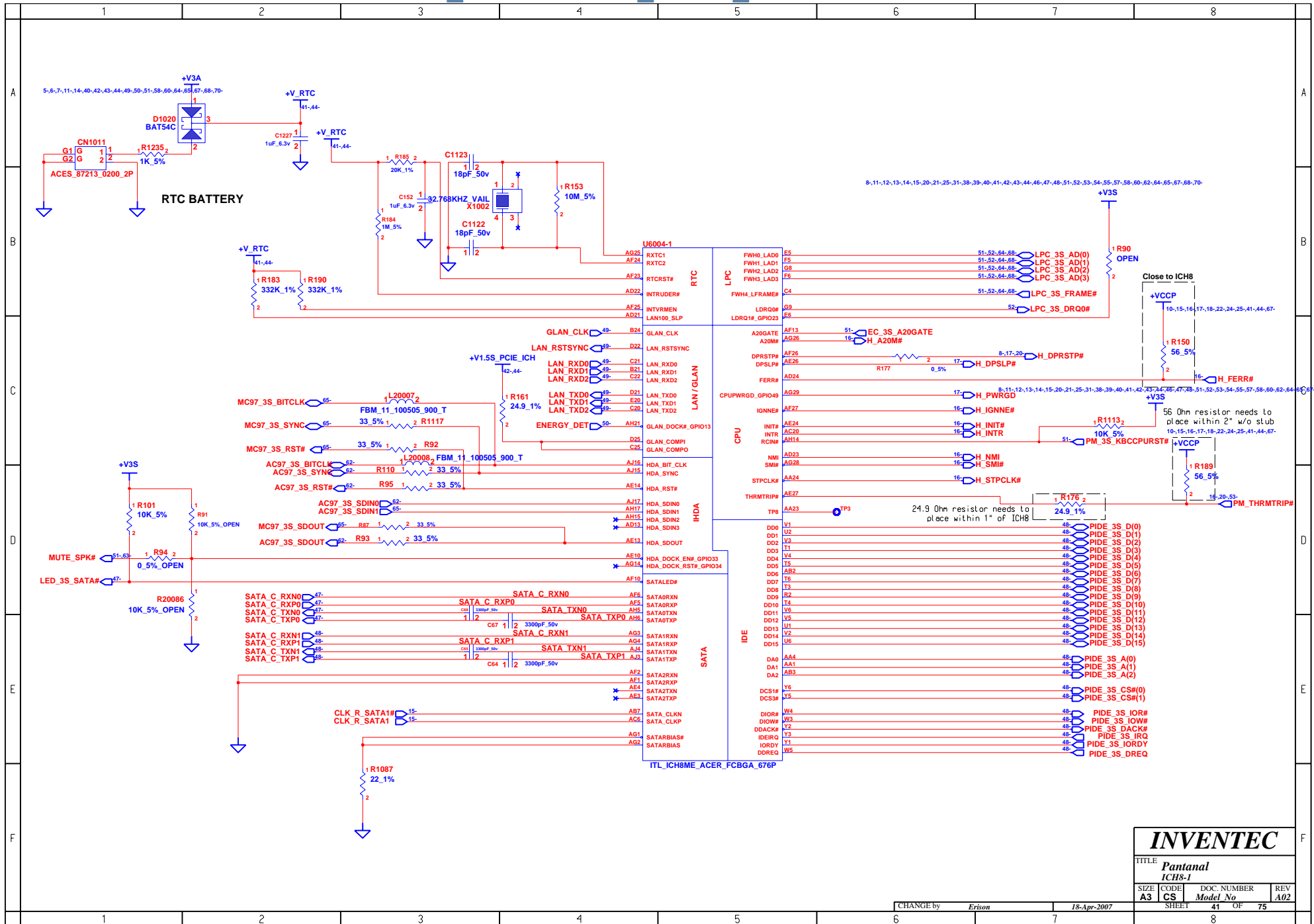
LCD CONNECTOR I/F

SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	A02

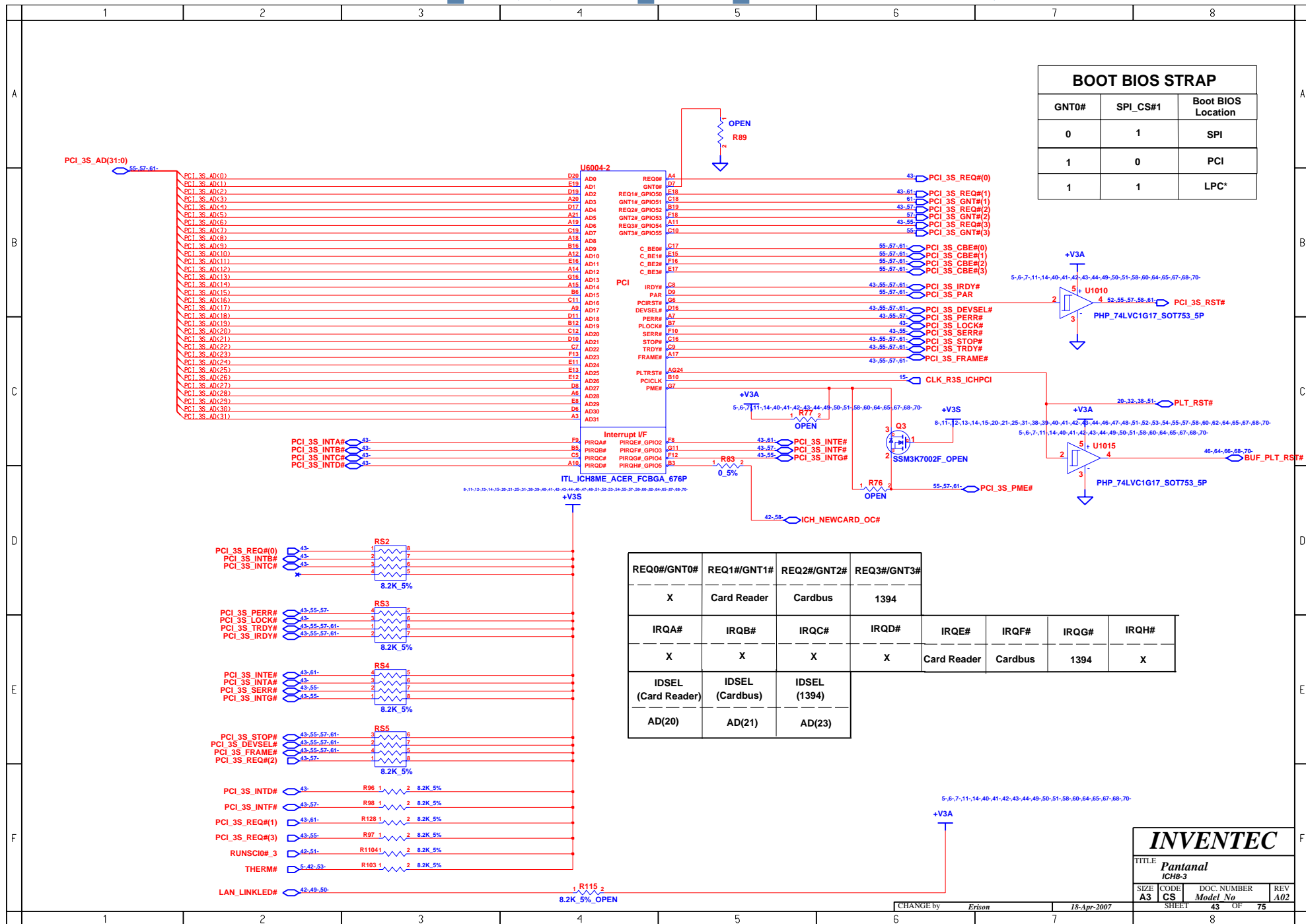
CHANGE by *Erison* 18-Apr-2007

SHEET 40 OF 75











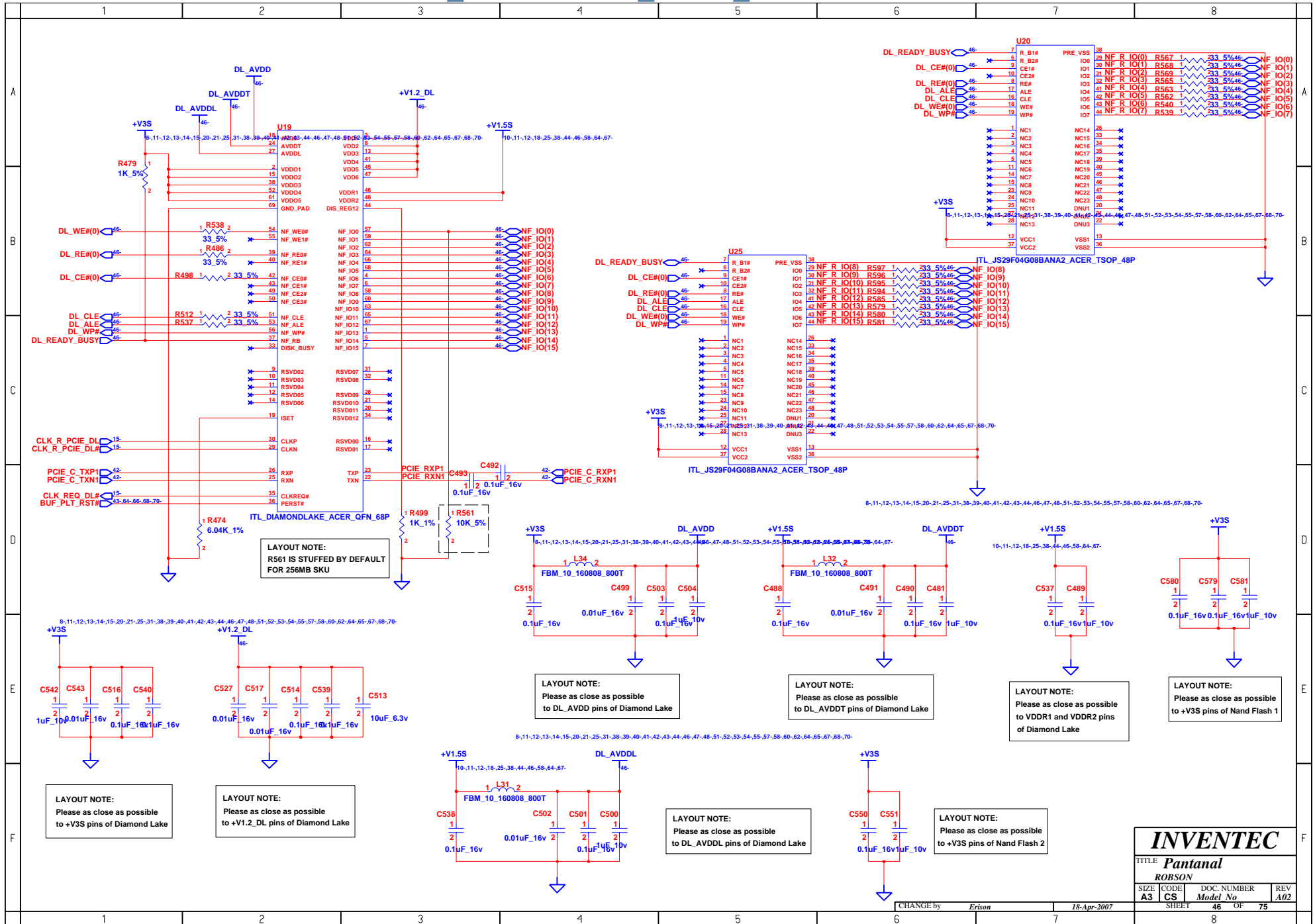
	1	2	3	4	5	6	7	8	
A									A
B									B
C									C
D									D
E									E
F									F

U6004-5		
A23	VS8001	VSS099
AA1	VS8002	VSS100
AA2	VS8003	VSS101
AA7	VS8004	VSS102
AA5	VS8005	VSS103
AB1	VS8006	VSS104
AB24	VS8007	VSS105
AC11	VS8008	VSS106
AC14	VS8009	VSS107
AC25	VS8010	VSS108
AC28	VS8011	VSS109
AC27	VS8012	VSS110
AD17	VS8013	VSS111
AD20	VS8014	VSS112
AD28	VS8015	VSS113
AD29	VS8016	VSS114
AD1	VS8017	VSS115
AD4	VS8018	VSS116
AD6	VS8019	VSS117
AE1	VS8020	VSS118
AE12	VS8021	VSS119
AE2	VS8022	VSS120
AE22	VS8023	VSS121
AD1	VS8024	VSS122
AE24	VS8025	VSS123
AE5	VS8026	VSS124
AE6	VS8027	VSS125
AE9	VS8028	VSS126
AF14	VS8029	VSS127
AF16	VS8030	VSS128
AF18	VS8031	VSS129
AF3	VS8032	VSS130
AF4	VS8033	VSS131
AG5	VS8034	VSS132
AG6	VS8035	VSS133
AH10	VS8036	VSS134
AH13	VS8037	VSS135
AH16	VS8038	VSS136
AH19	VS8039	VSS137
AH2	VS8040	VSS138
AF28	VS8041	VSS139
AH22	VS8042	VSS140
AH24	VS8043	VSS141
AH26	VS8044	VSS142
AH3	VS8045	VSS143
AH4	VS8046	VSS144
AH8	VS8047	VSS145
AJ5	VS8048	VSS146
B11	VS8049	VSS147
B14	VS8050	VSS148
B17	VS8051	VSS149
B2	VS8052	VSS150
B20	VS8053	VSS151
B22	VS8054	VSS152
B6	VS8055	VSS153
C24	VS8056	VSS154
C26	VS8057	VSS155
C27	VS8058	VSS156
C6	VS8059	VSS157
D12	VS8060	VSS158
D15	VS8061	VSS159
D18	VS8062	VSS160
D2	VS8063	VSS161
D4	VS8064	VSS162
E21	VS8065	VSS163
E24	VS8066	VSS164
E4	VS8067	VSS165
E9	VS8068	VSS166
F15	VS8069	VSS167
F23	VS8070	VSS168
F28	VS8071	VSS169
F29	VS8072	VSS170
F7	VS8073	VSS171
G1	VS8074	VSS172
E2	VS8075	VSS173
G10	VS8076	VSS174
G13	VS8077	VSS175
G19	VS8078	VSS176
G23	VS8079	VSS177
G25	VS8080	VSS178
G26	VS8081	VSS179
G27	VS8082	VSS180
H25	VS8083	VSS181
H28	VS8084	VSS182
H29	VS8085	VSS183
H3	VS8086	VSS184
H6	VS8087	VSS185
J1	VS8088	VSS186
J25	VS8089	VSS187
J26	VS8090	VSS188
J27	VS8091	VSS189
J4	VS8092	VSS190
J5	VS8093	VSS191
K23	VS8094	VSS192
K28	VS8095	VSS193
K29	VS8096	VSS194
K3	VS8097	VSS195
K6	VS8098	VSS196

ITL\_ICH8ME\_ACER\_FCBGA\_676P



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





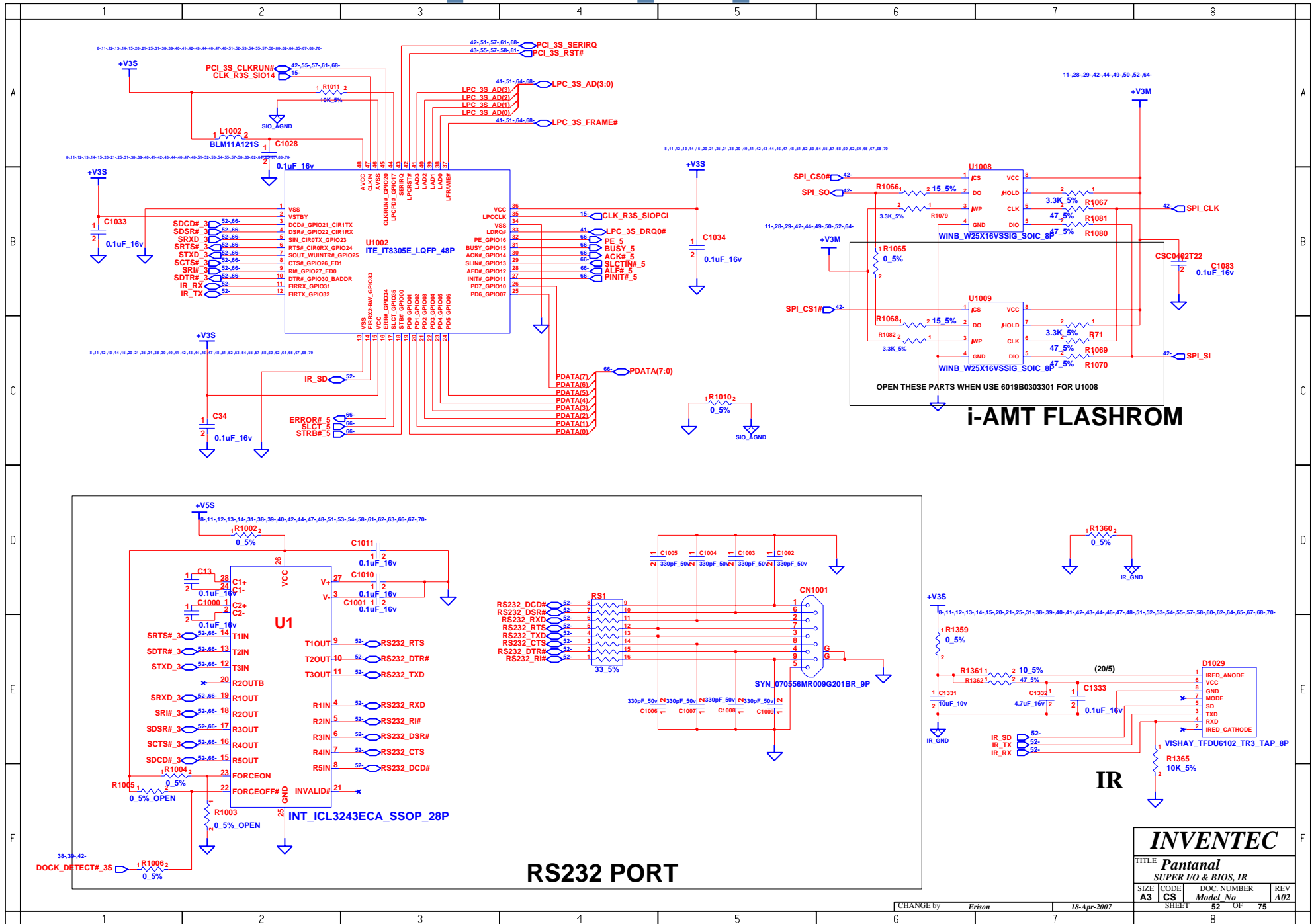




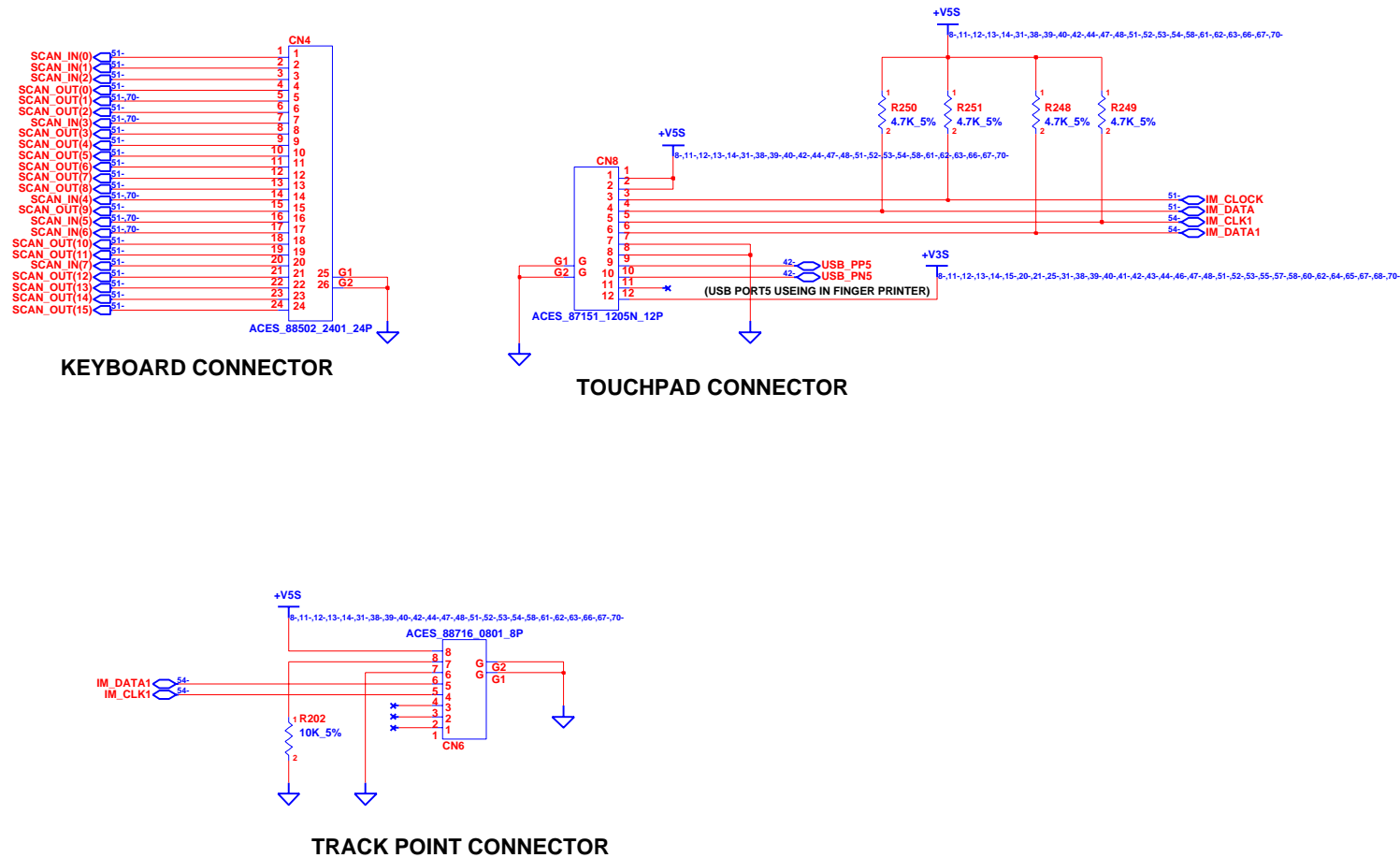




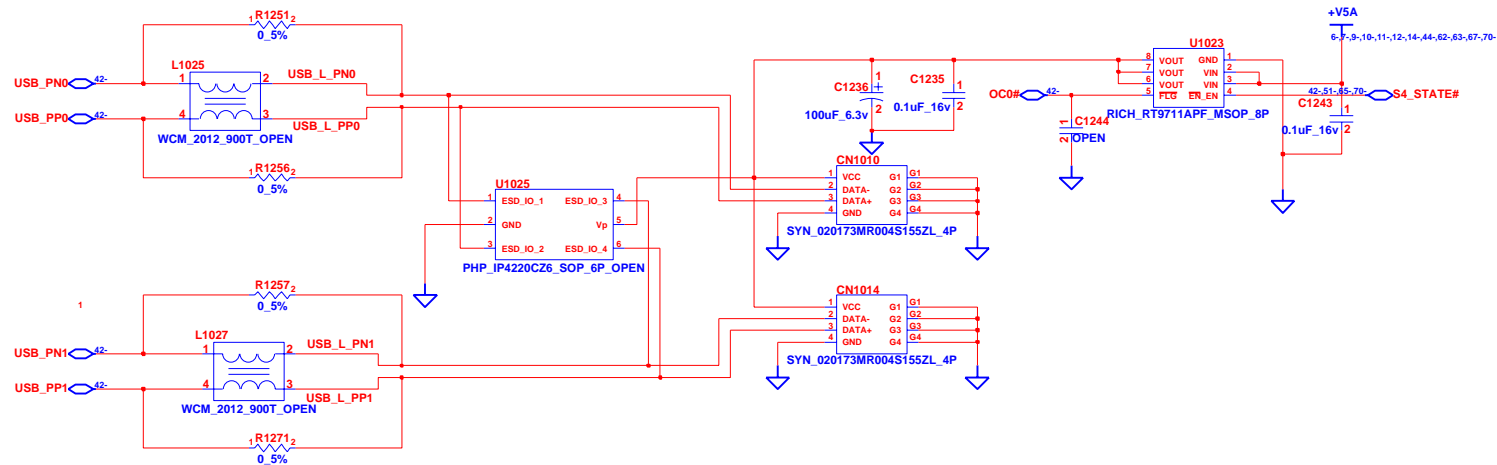
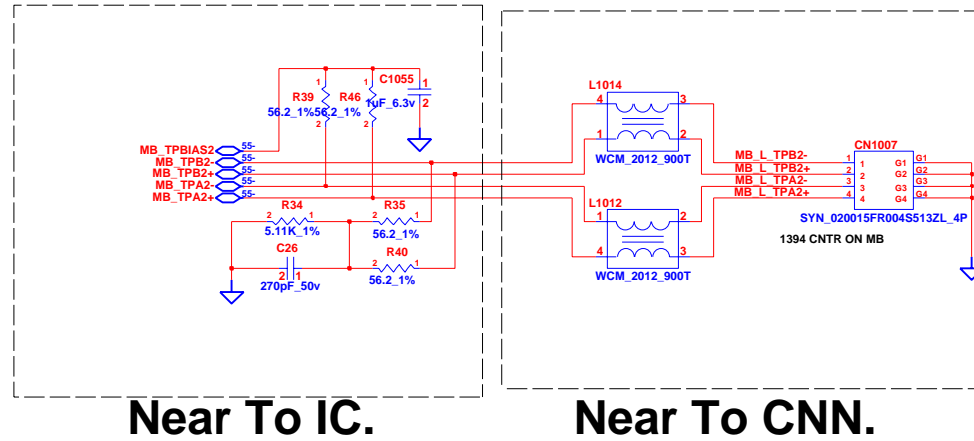










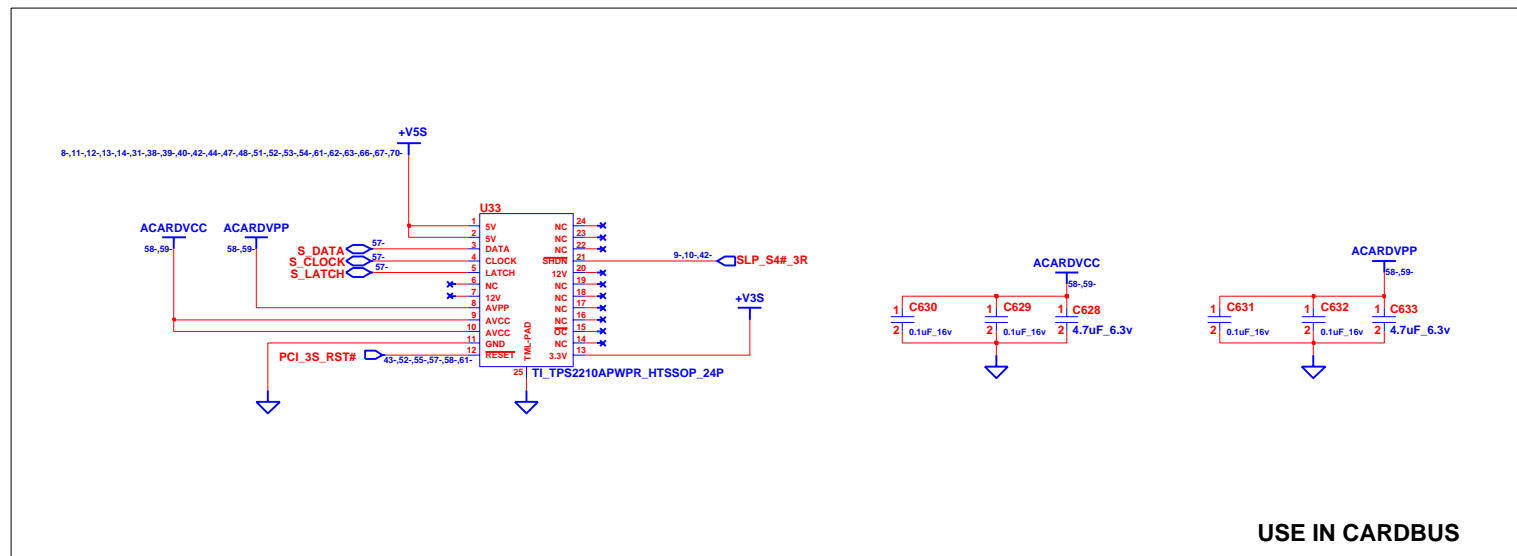
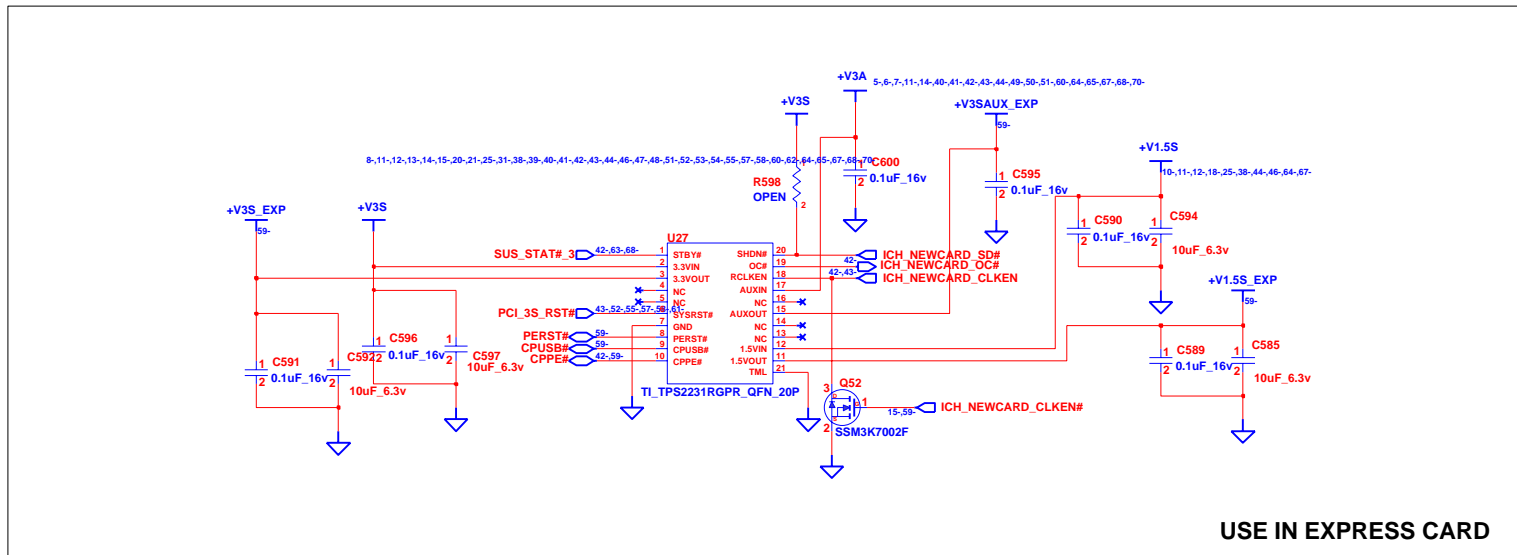


**USB PORT 0 & 1 USE IN MAIN BOARD**

INVENTEC			
TITLE <b>Pantanal</b>			
1394 & USB CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	A02
CHANGE by		18-Apr-2007	
SHEET		56	OF 75







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

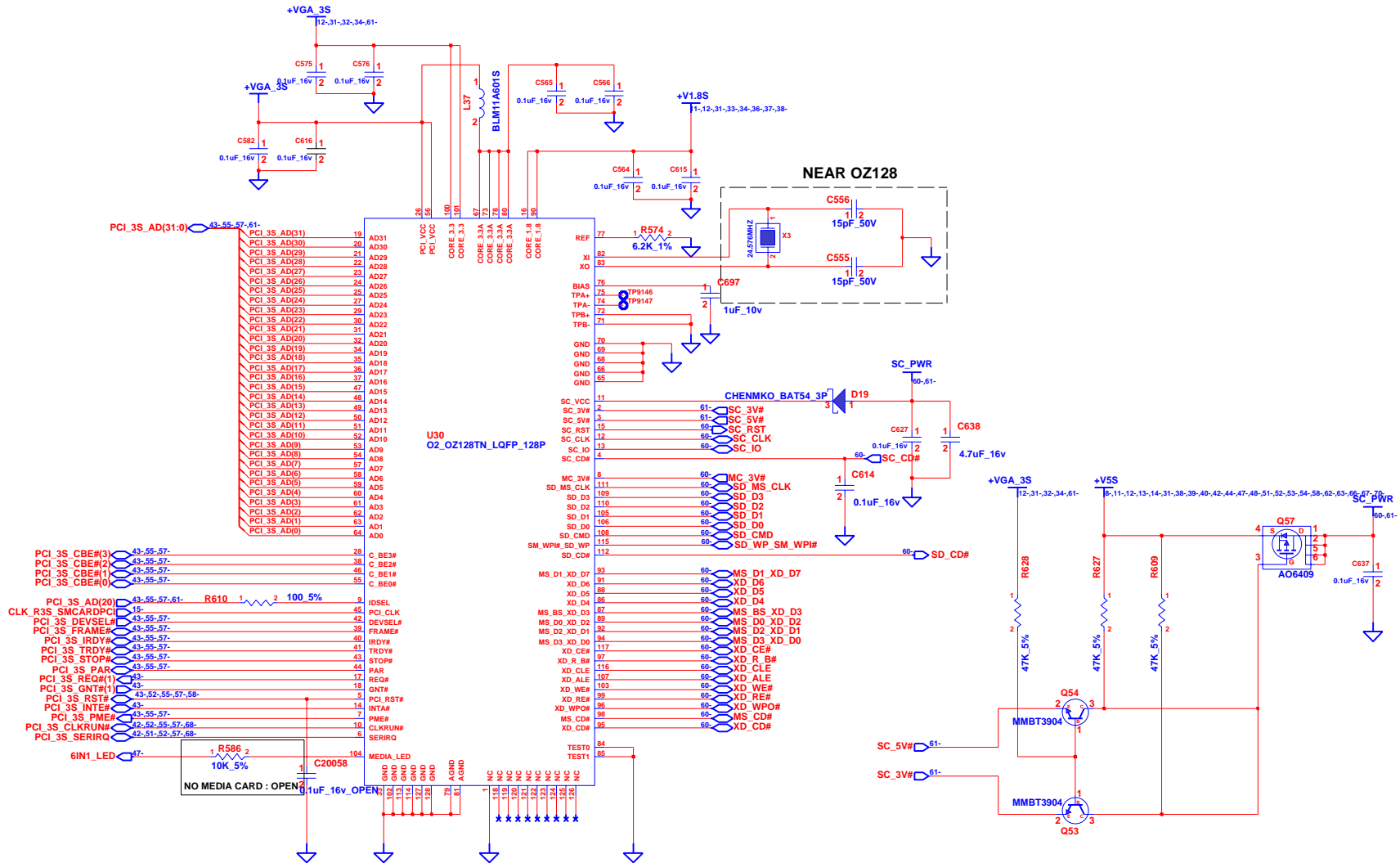
CHANGE by *Erison* 18-Apr-2007

SHEET 58 OF 75





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



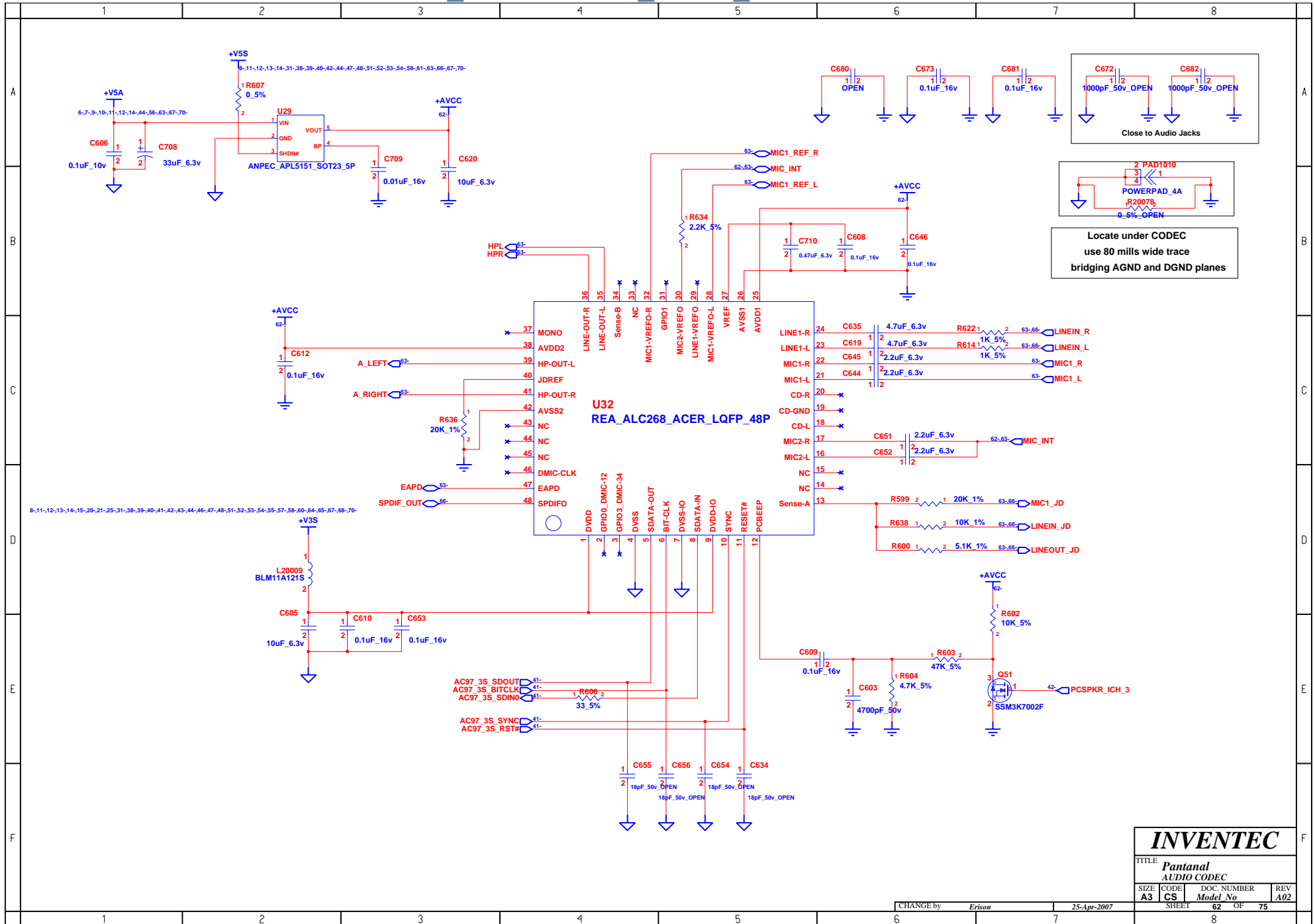
**INVENTEC**

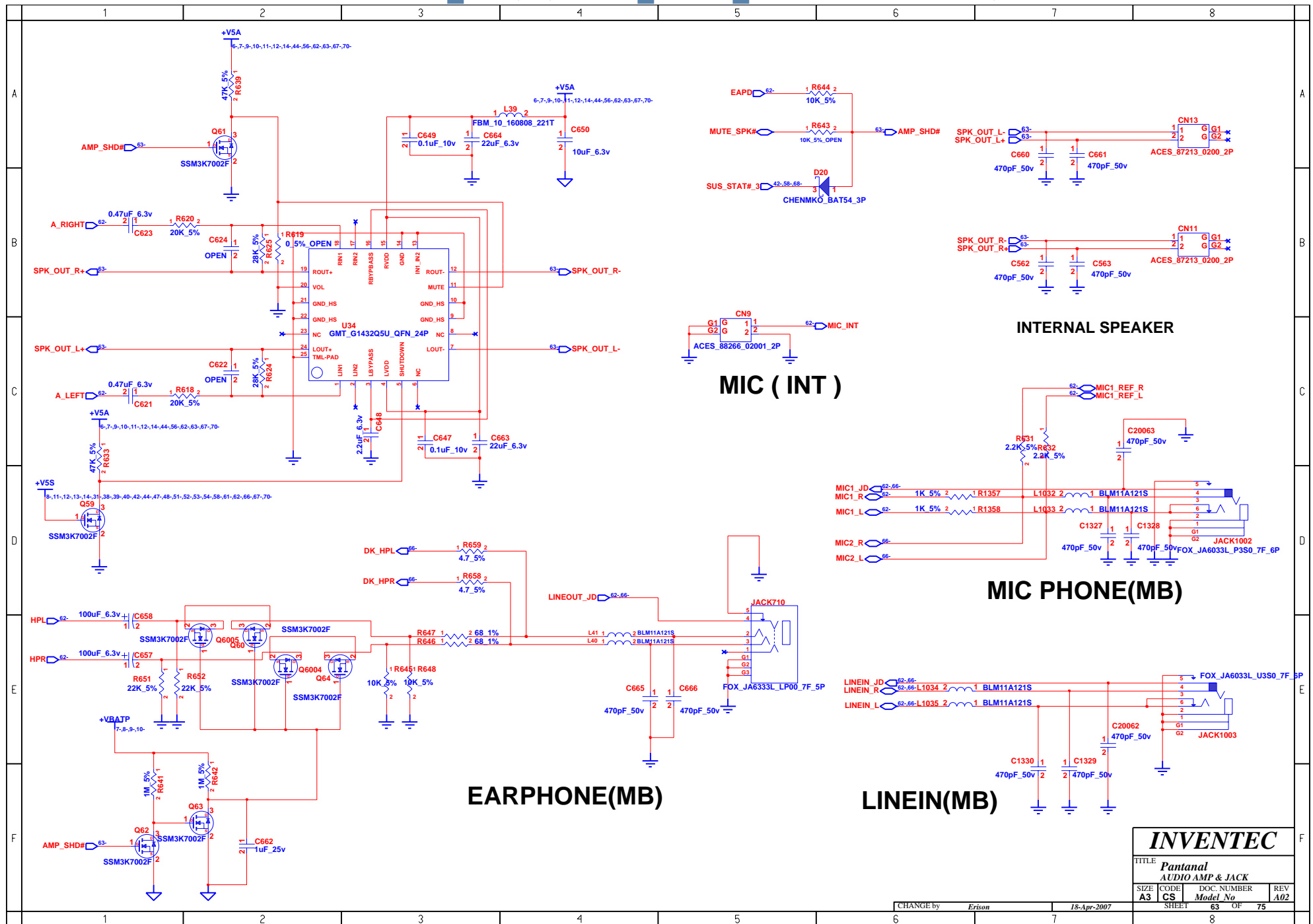
TITLE  
**Pantanal**  
**SMART CARD IC & SC POWER**

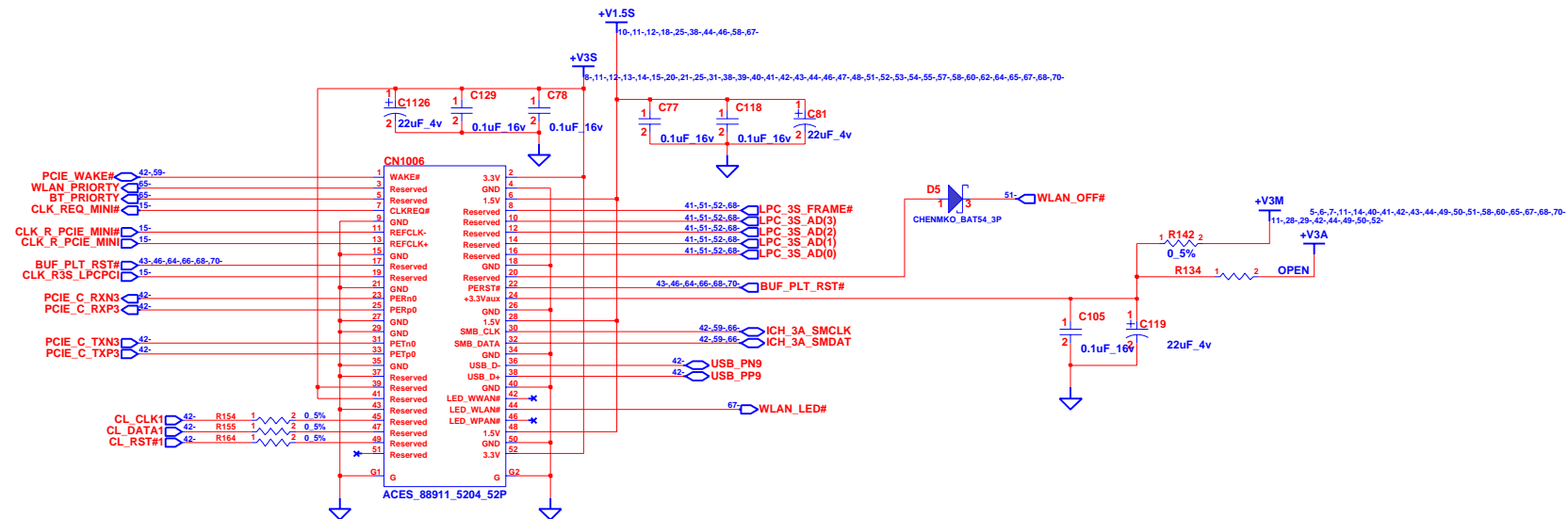
SIZE CODE DOC. NUMBER REV  
**A3 CS Model No A02**

CHANGE by *Erison* 18-Apr-2007

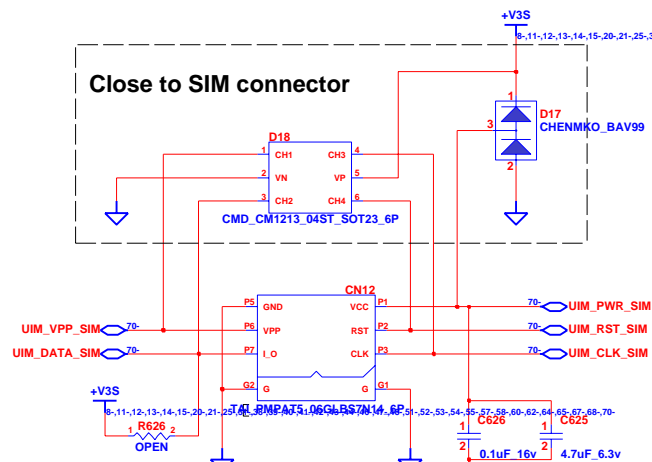
SHEET 61 OF 75







(WLAN) MINI CARD



(SIM-CARD)

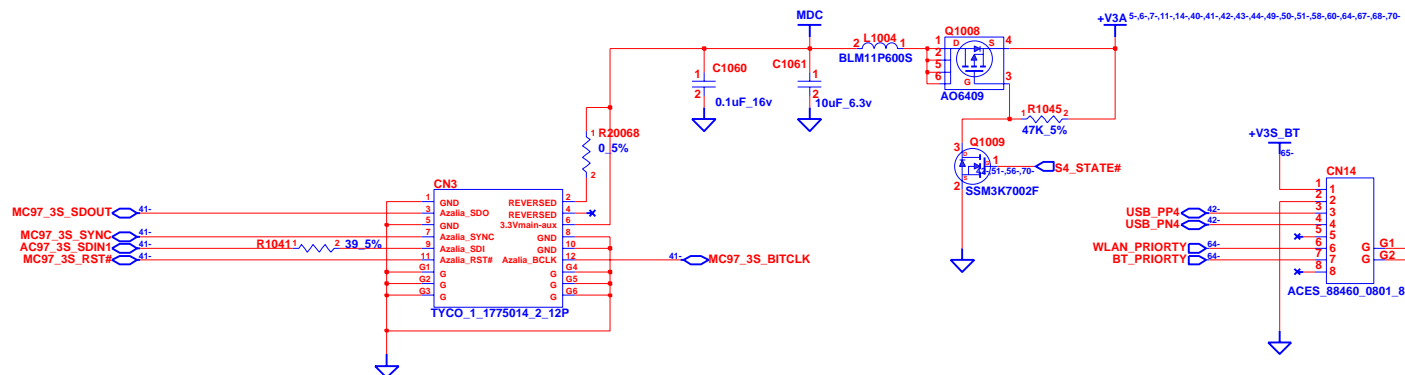
**INVENTEC**

TITLE			
Pantanal			
WLAN & SIM SOCKET			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	A02

CHANGE by Erison 18-Apr-2007

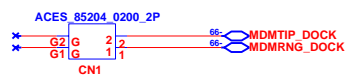
SHEET 64 OF 75



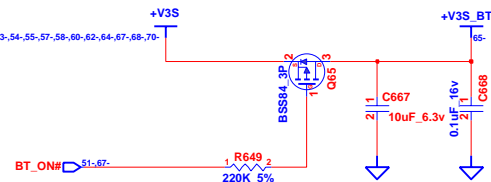


**MDC CONNECTOR**

**BLUE TOOTH TO MODULE CONNECTOR**



**RJ11 CABLE CONNECTOR**



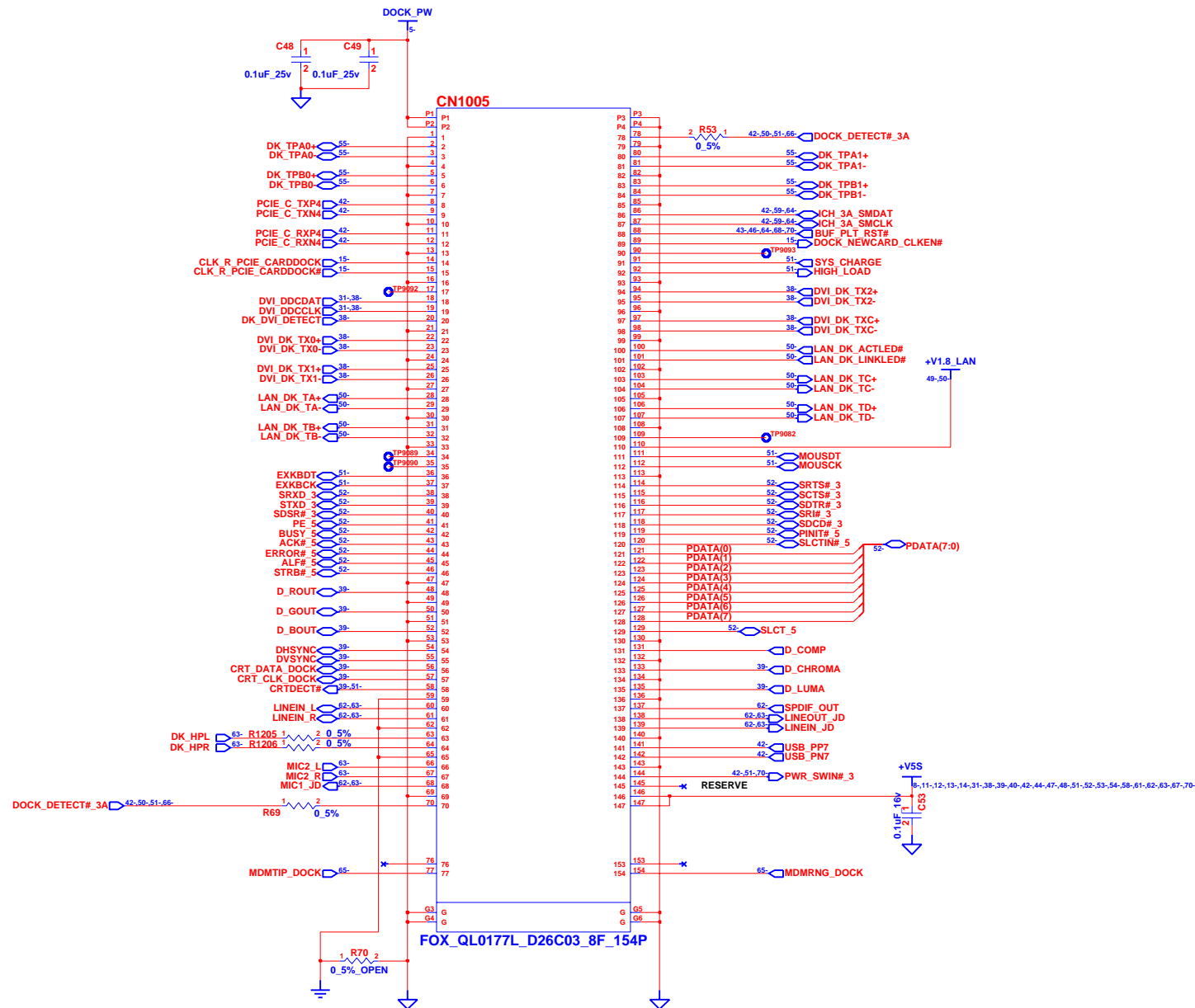
**INVENTEC**

TITLE **Pantanal**  
MDC I/F & RJ11 & Bluetooth CNN

SIZE **A3** CODE **CS** DOC. NUMBER **Model No** REV **A02**

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

SHEET **65** OF **75**



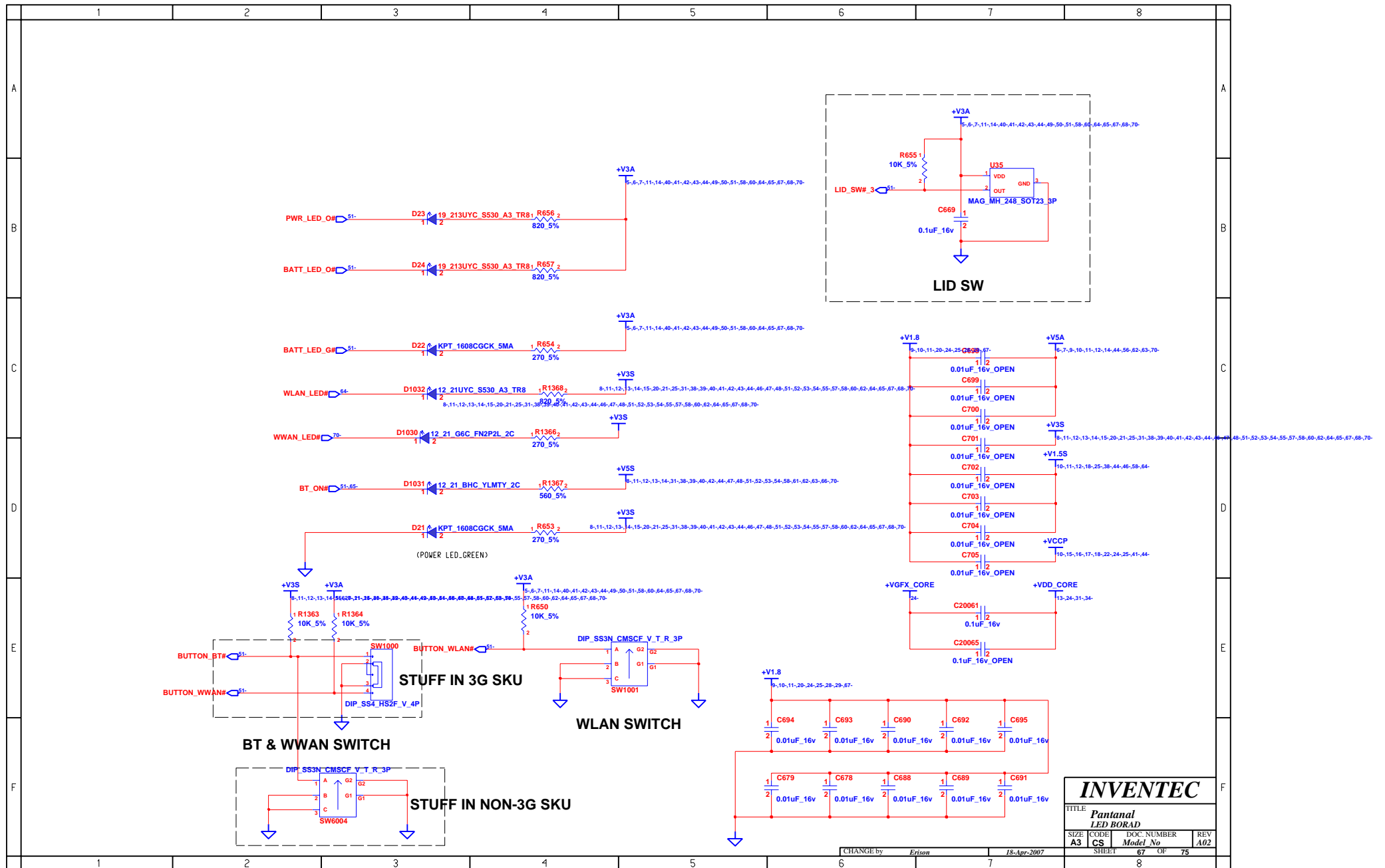
**INVENTEC**

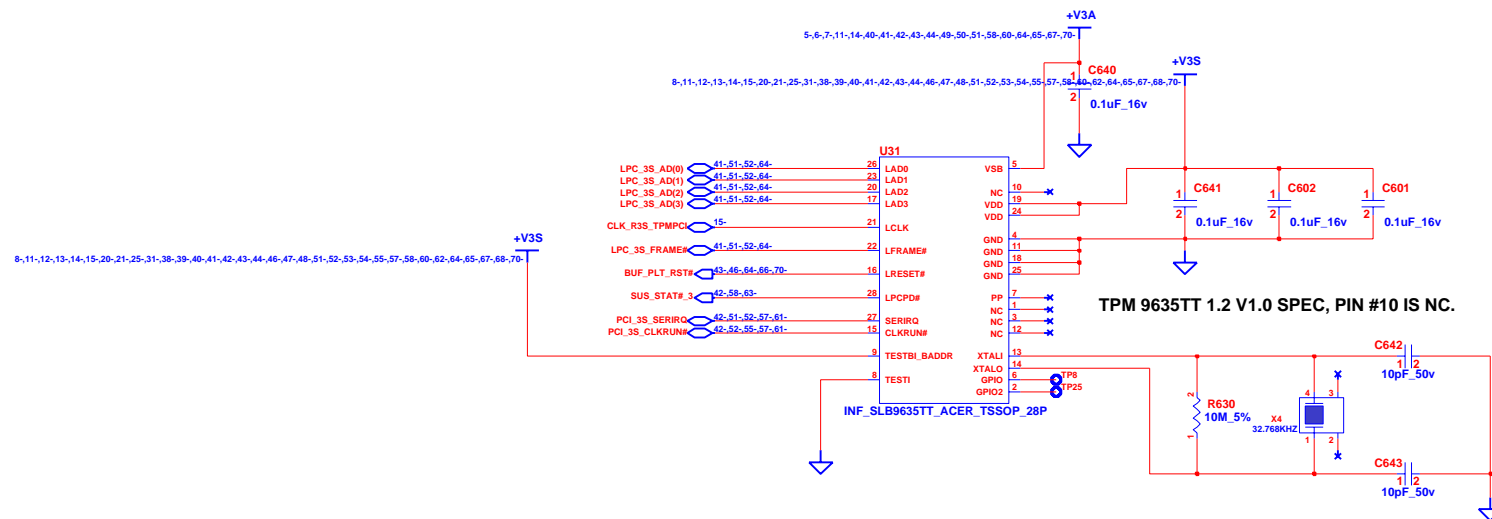
TITLE  
**Pantanal  
DOCKING CONN**

SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	A02

CHANGE by *Erison* 25-Apr-2007

SHEET 66 OF 75



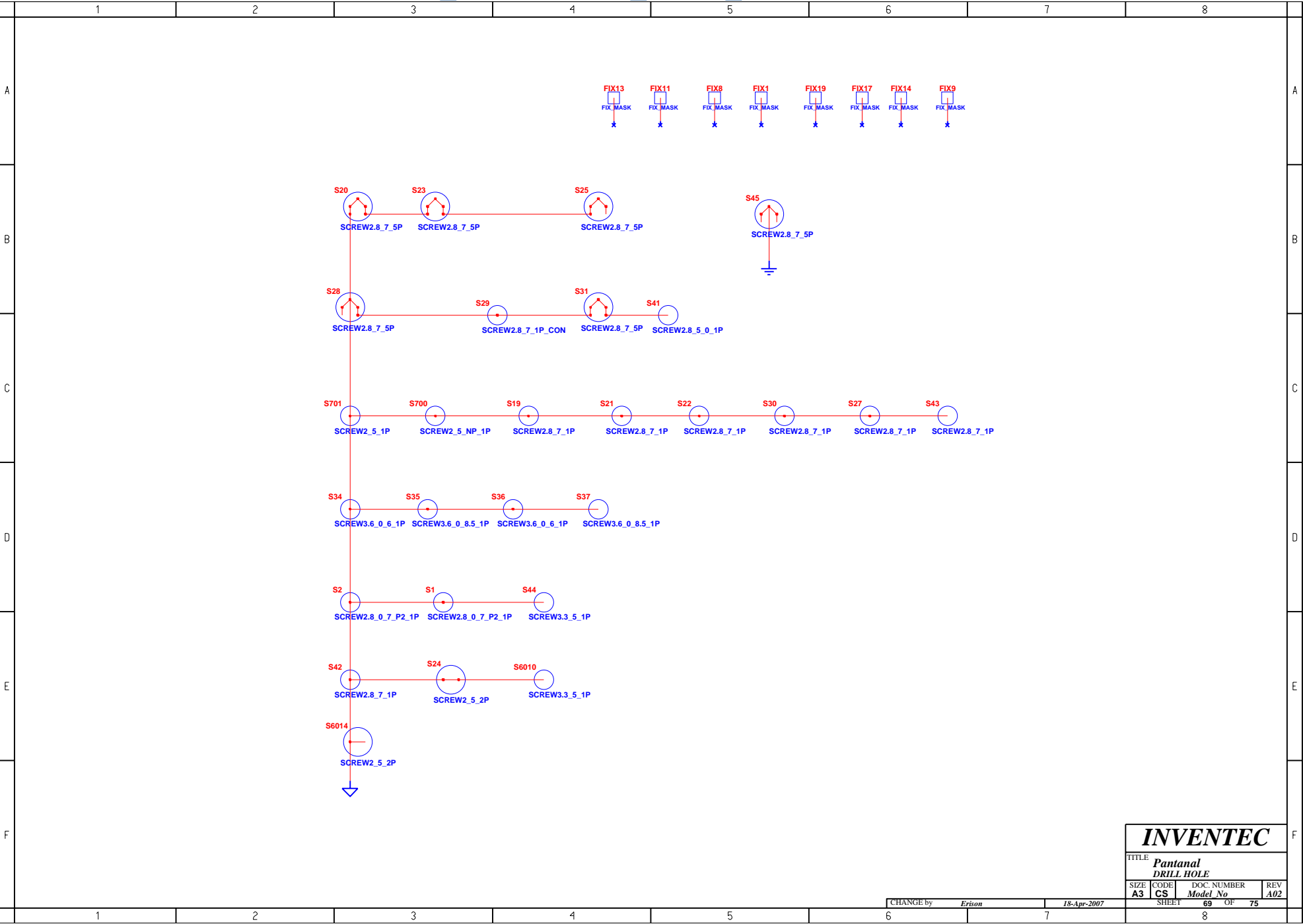


**INVENTEC**

TITLE			
Pantanal			
TPM 1.2			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	A02

CHANGE by Erison 18-Apr-2007

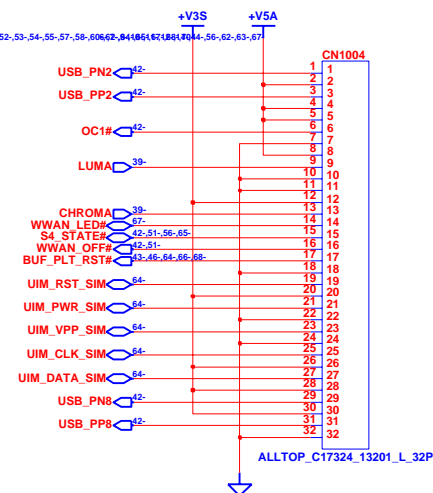
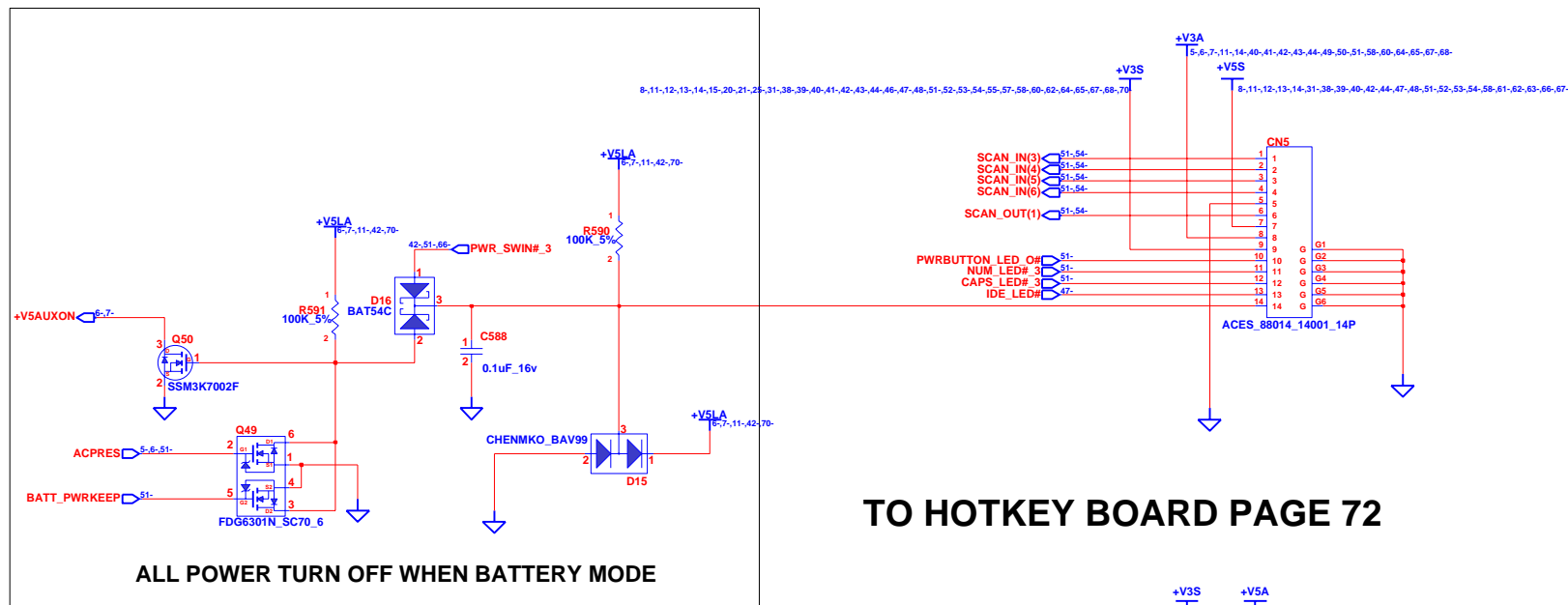
SHEET 68 OF 75



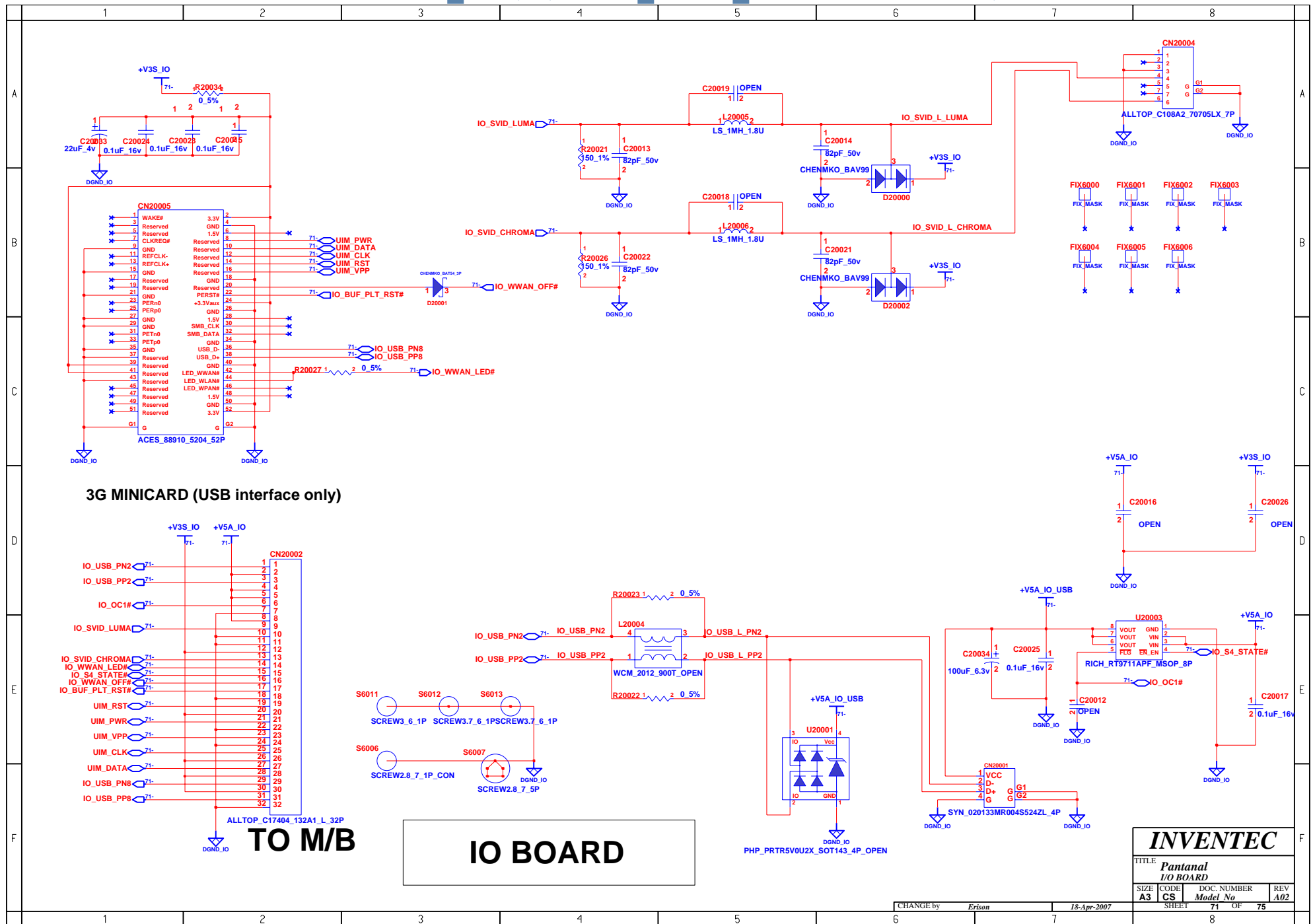
**INVENTEC**

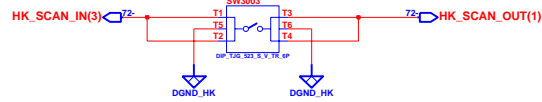
TITLE			
Pantanal			
DRILL HOLE			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	A02

SHEET 69 OF 75

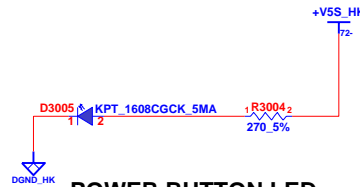


INVENTEC			
TITLE <b>Pantanal</b> <b>MB TO OTHER BOARD</b>			
SIZE <b>A3</b>	CODE <b>CS</b>	DOC. NUMBER <i>Model No</i>	REV <b>A02</b>
CHANGE by <i>Erison</i>		18-Apr-2007	
SHEET <b>70</b>		OF <b>75</b>	

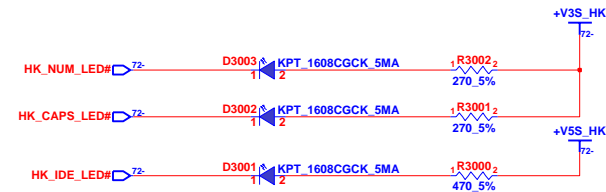




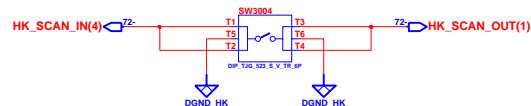
(POWER MANAGER)



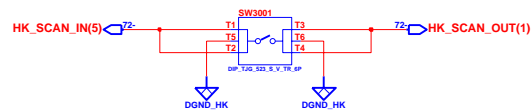
POWER BUTTON LED



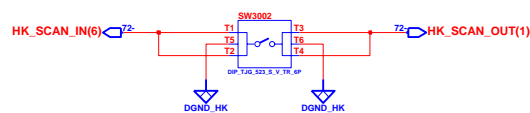
THE LED WILL BLINKS WHEN ENTER S3 AND S4



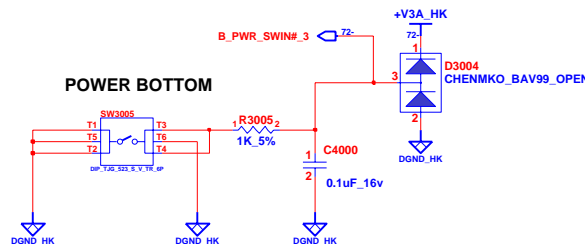
(OUTLOOK)



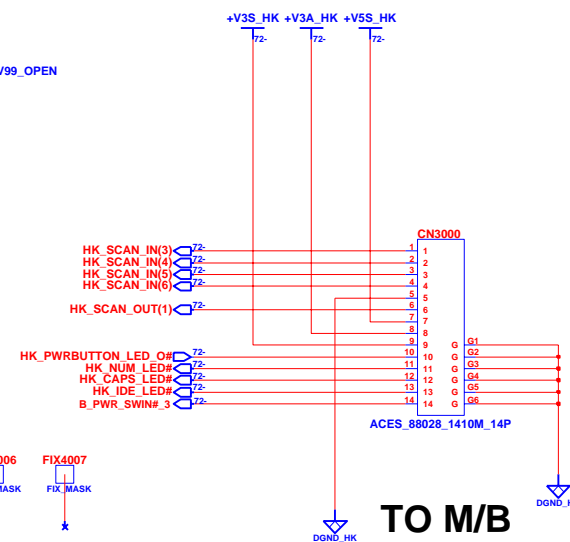
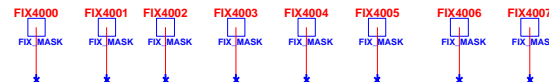
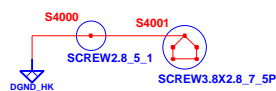
(INTERNET)



(PROGRAM)



POWER BOTTOM



TO M/B

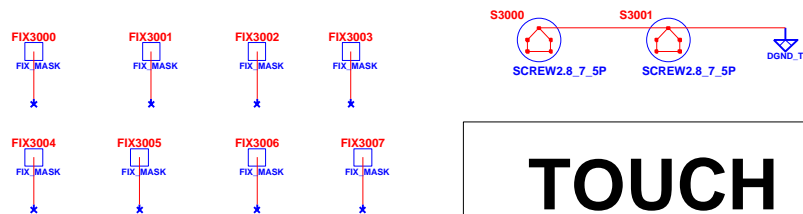
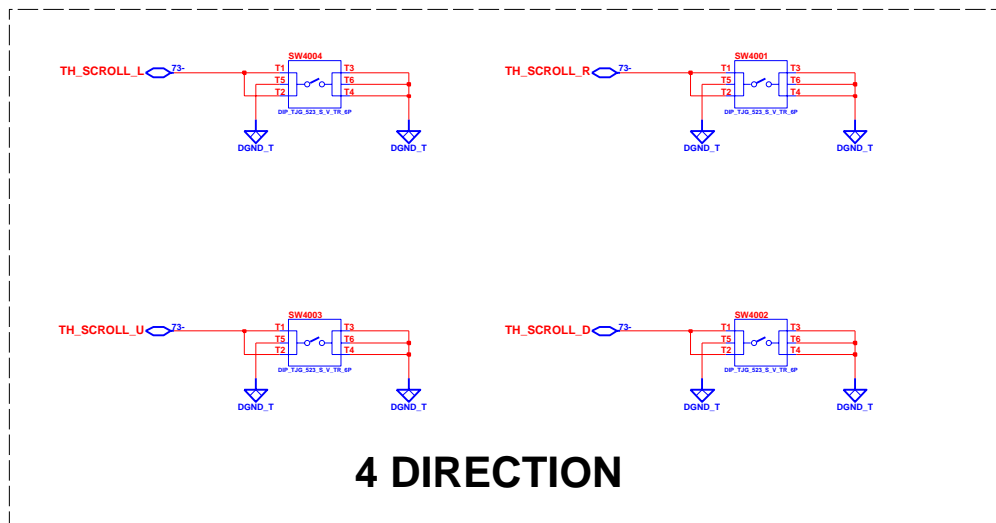
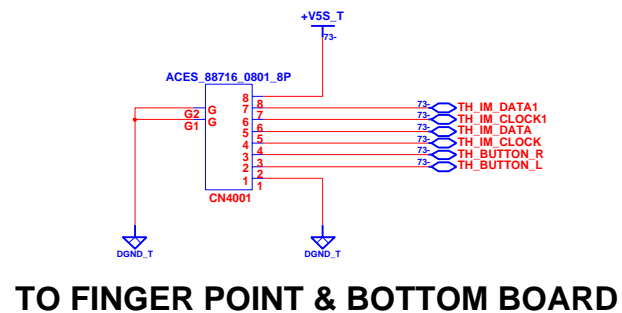
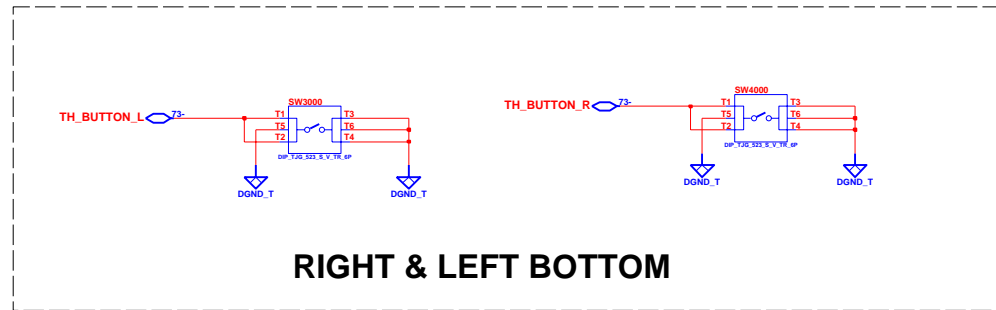
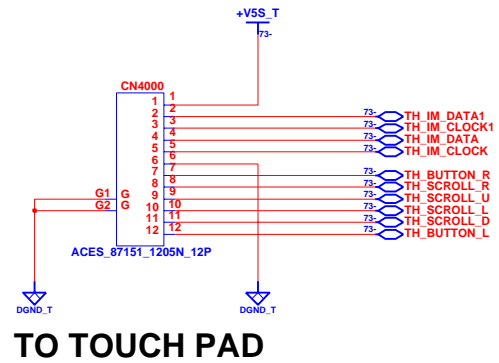
# Hotkey Board

**INVENTEC**

TITLE <b>Pantanal HotKey Board</b>			
SIZE <b>A3</b>	CODE <b>CS</b>	DOC. NUMBER <b>Model No</b>	REV <b>A02</b>
SHEET <b>72</b>		OF <b>75</b>	

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

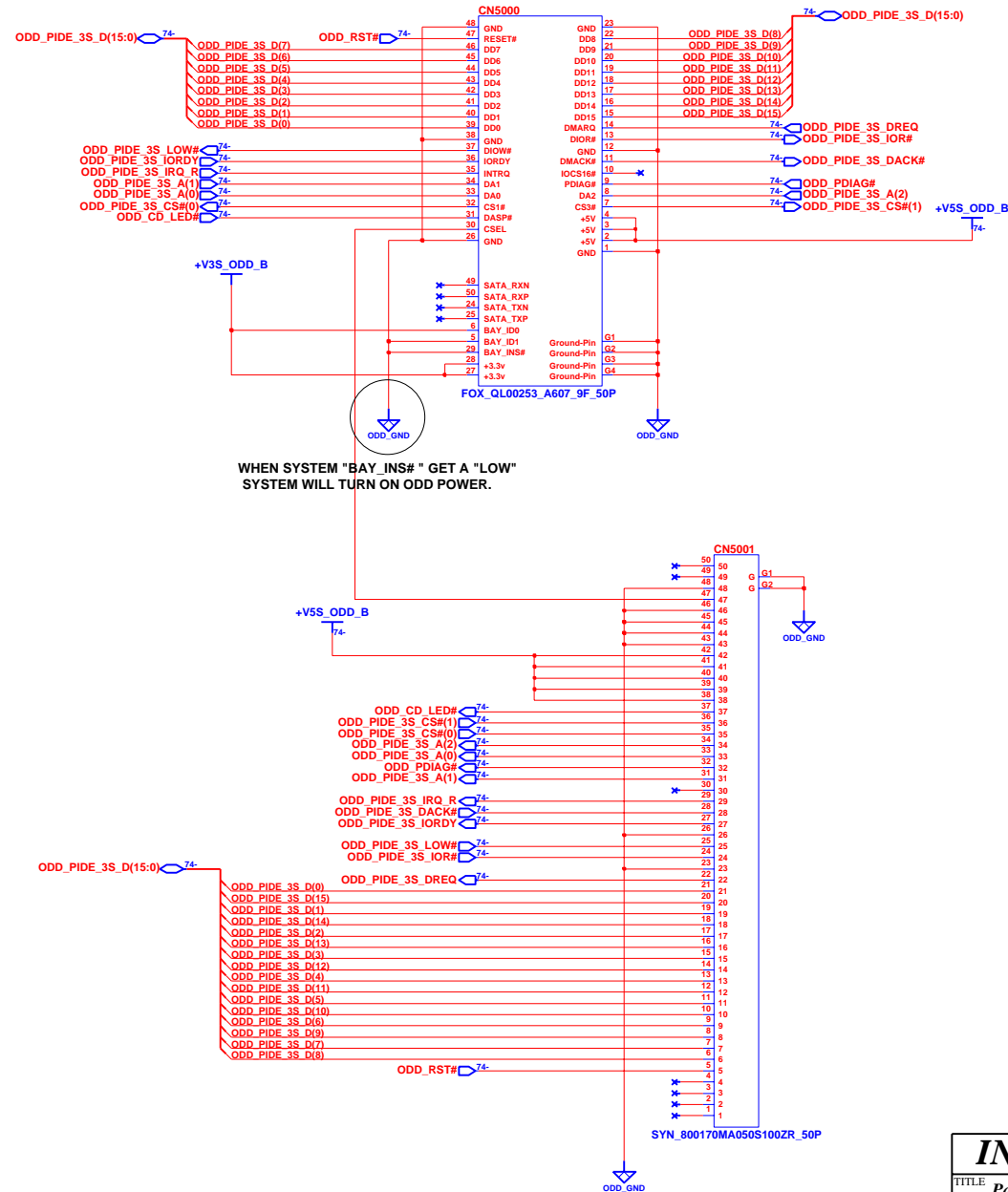
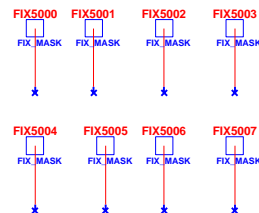
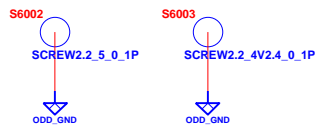




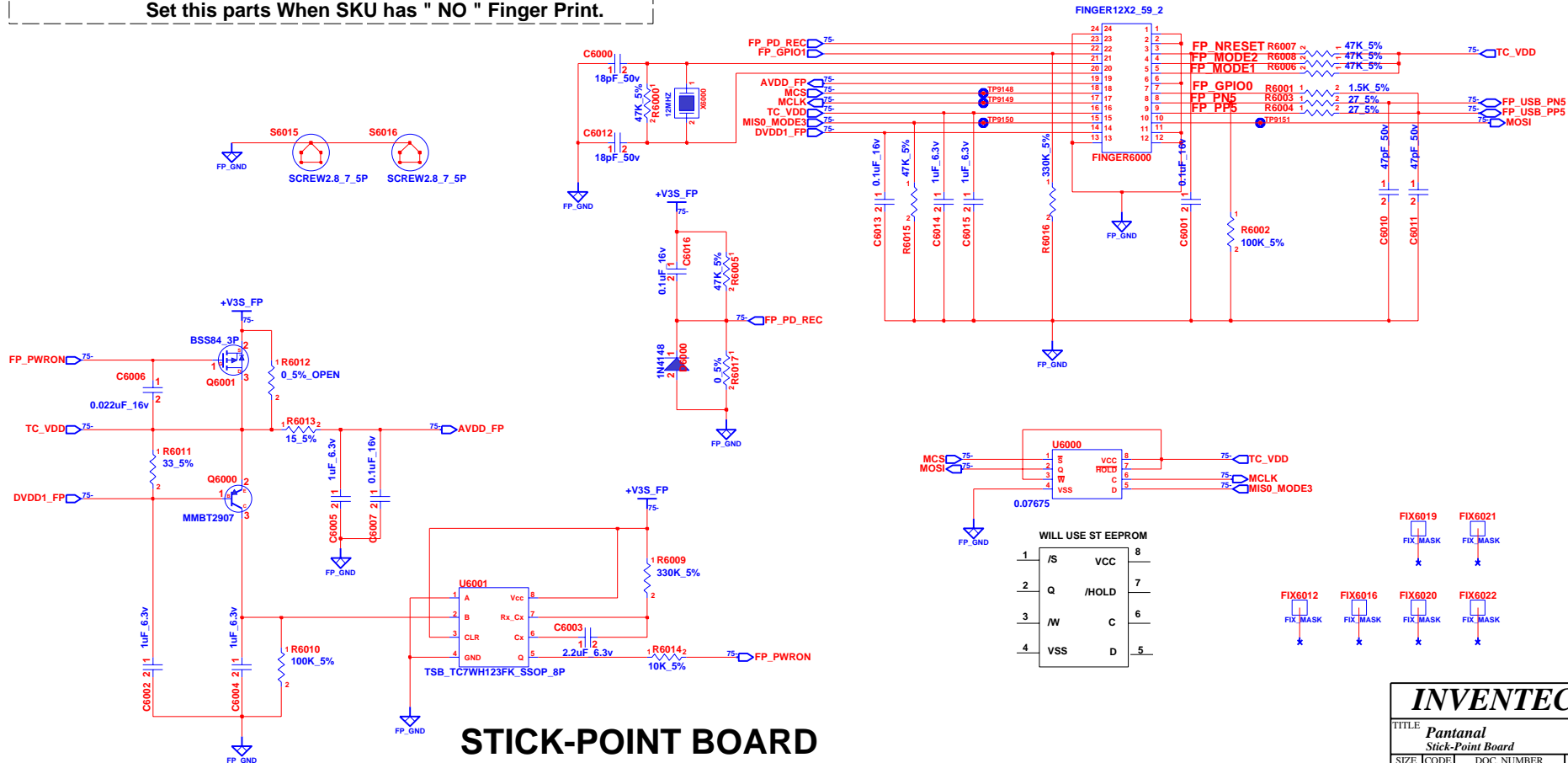
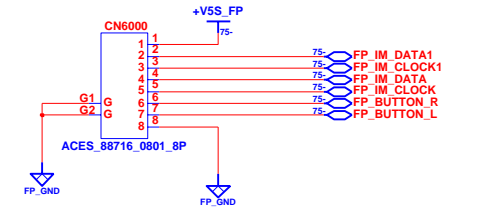
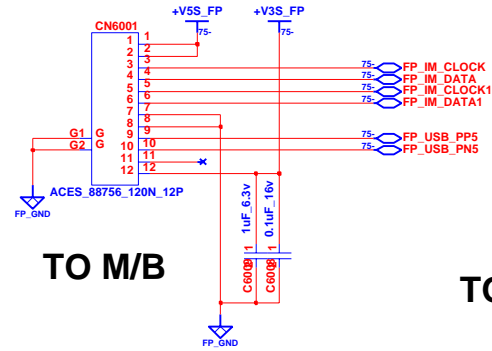
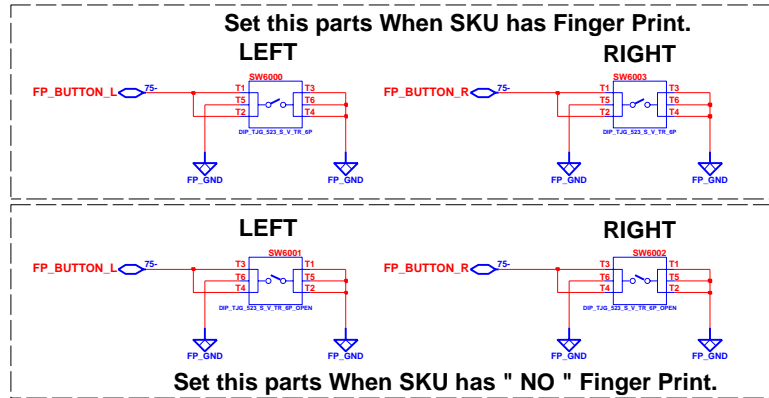
# TOUCH PAD BOTTOM BOARD

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

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



INVENTEC			
TITLE Pantanal Multi-Bay ODD Board			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV A02
CHANGE by Erison		24-Apr-2007	
SHEET 74		OF 75	



**INVENTEC**

TITLE: Pantanal Stick-Point Board

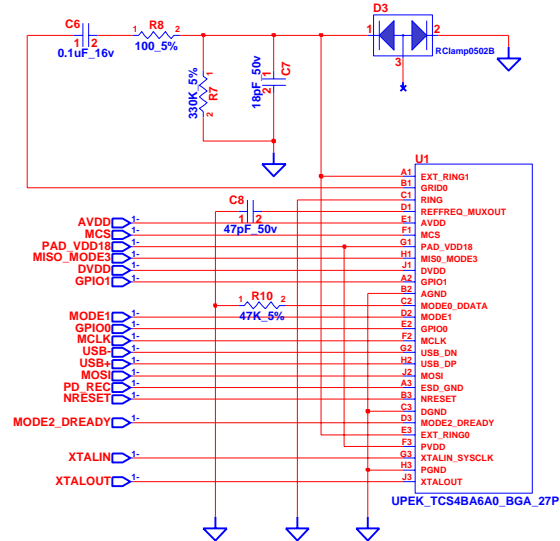
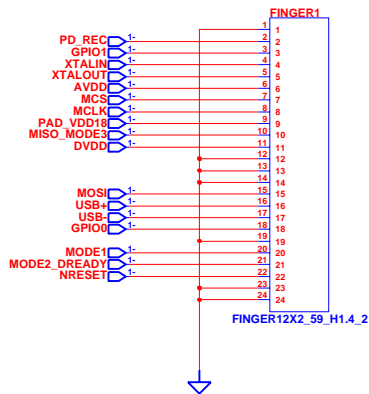
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	A02

CHANGE by Erison 18-Apr-2007

SHEET 75 OF 75

FIX1  
FIX\_MASK

FIX2  
FIX\_MASK



**INVENTEC**

TITLE  
**Michigan  
FINGER PRINT**

SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	000

CHANGE by RDEE3 11-Jan-2007

SHEET 1 OF 1