

Compal Confidential

Schematics Document

AUBURNDALE with Intel
IBEX PEAK-M core logic

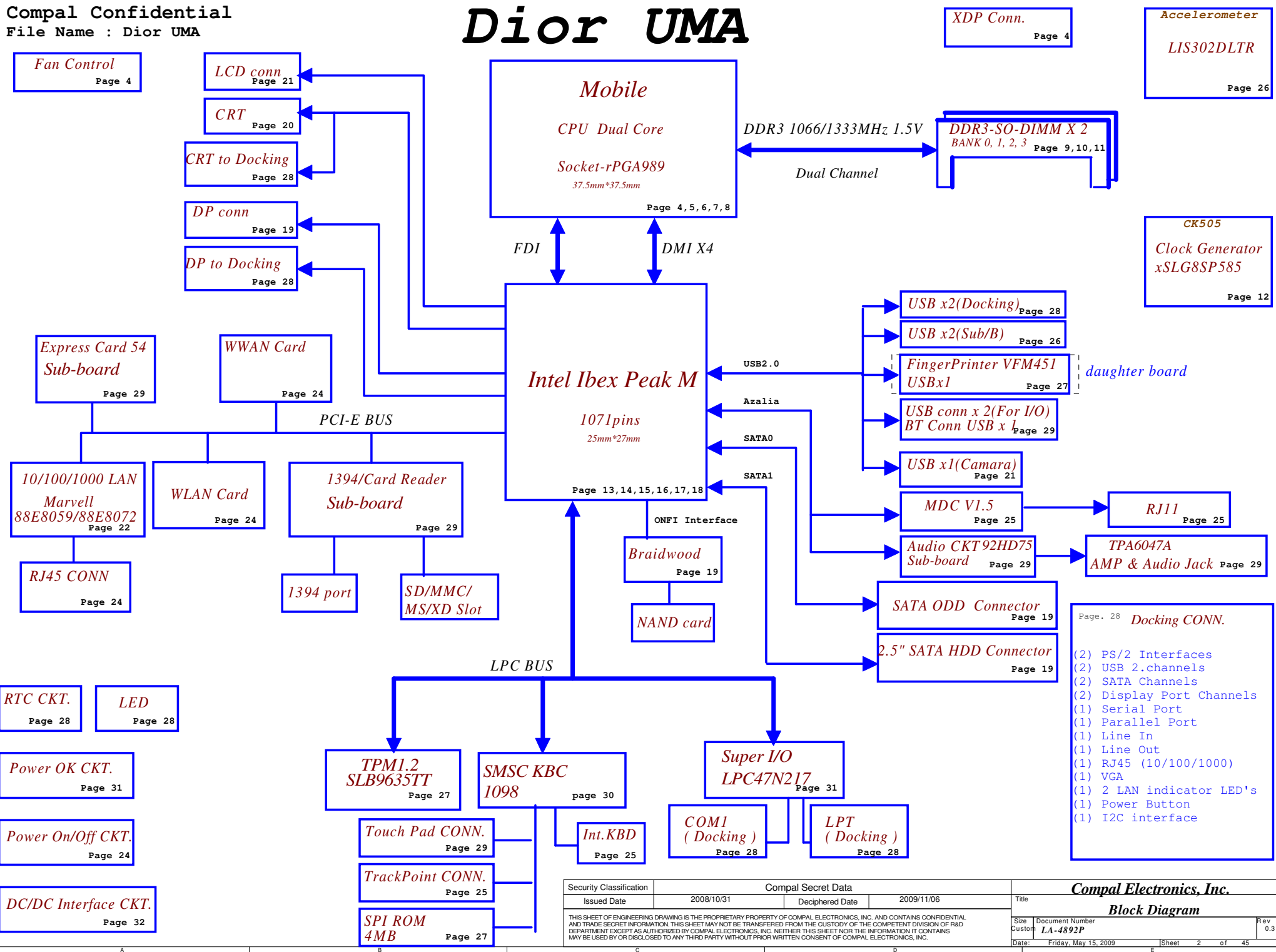
Dior UMA

2009-05-16

REV: 0.3

Security Classification	Compal Secret Data			Title	
Issued Date	2008/10/31	Deciphered Date	2009/11/06	Cover Sheet	
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BY OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.				Size Custom	Document Number LA-4892P
				Date: Friday, May 15, 2009	Rev 0.3
				Sheet 1 of 45	

Dior UMA

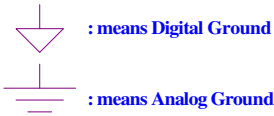


Security Classification		Compal Secret Data		Title	
Issued Date	2008/10/31	Deciphered Date	2009/11/06	Compal Electronics, Inc.	
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BY OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.				Block Diagram	
Size	Document Number	Rev		0.3	
Custom	LA-4892P				
Date:	Friday, May 15, 2009	Sheet	2	of	45

Voltage Rails (O MEANS ON X MEANS OFF)

power plane State	+RTCVCC	+B +3VL	+5VALW +3VALW	+1.5V +0.75V	+5VS +3VS +1.5VS +VCCP +CPU_CORE +1.05VS +1.8VS
S0	O	O	O	O	O
S1	O	O	O	O	O
S3	O	O	O	O	X
S5 S4/AC	O	O	O	X	X
S5 S4/ Battery only	O	O	X	X	X
S5 S4/AC & Battery don't exist	O	X	X	X	X

Symbol Note :



Install below 43 level BOM structure for ver. 0.2

8072@ : Install for 8072 NIC controller

Install below 45 level BOM structure for ver. 0.2

45@ : means just put it in the BOM of 45 level.

Reserve below BOM structure for ver. 0.2

@ : means just reserve , no build

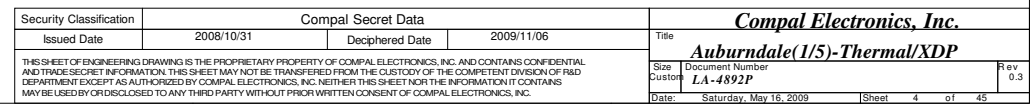
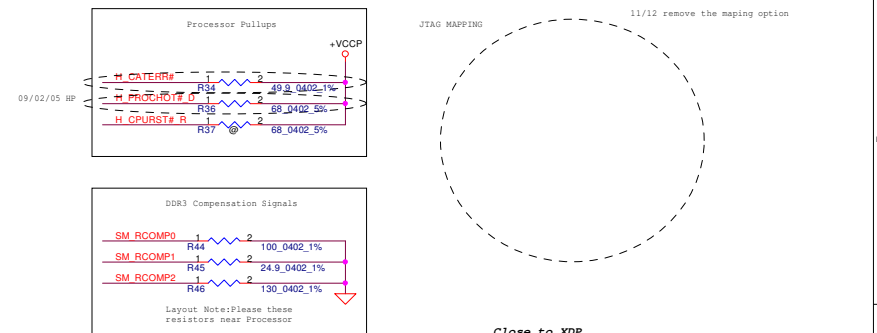
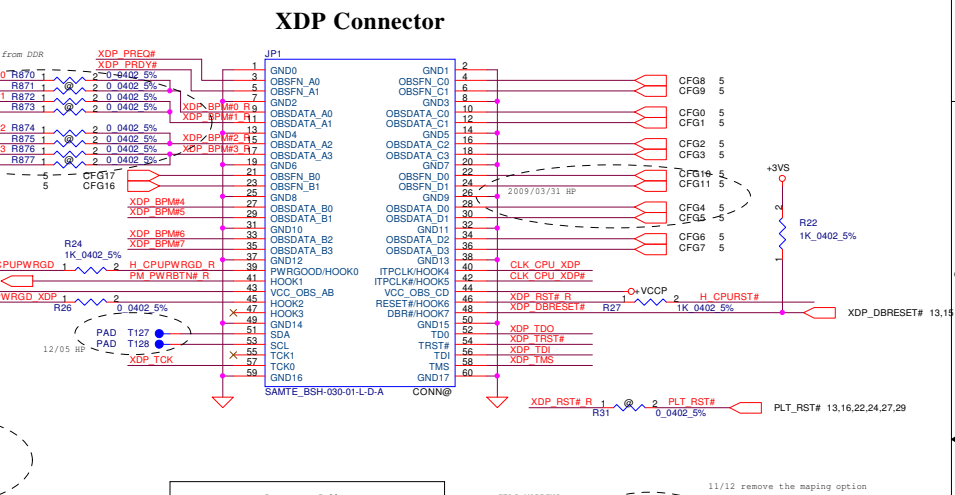
CONN@ : means ME part.

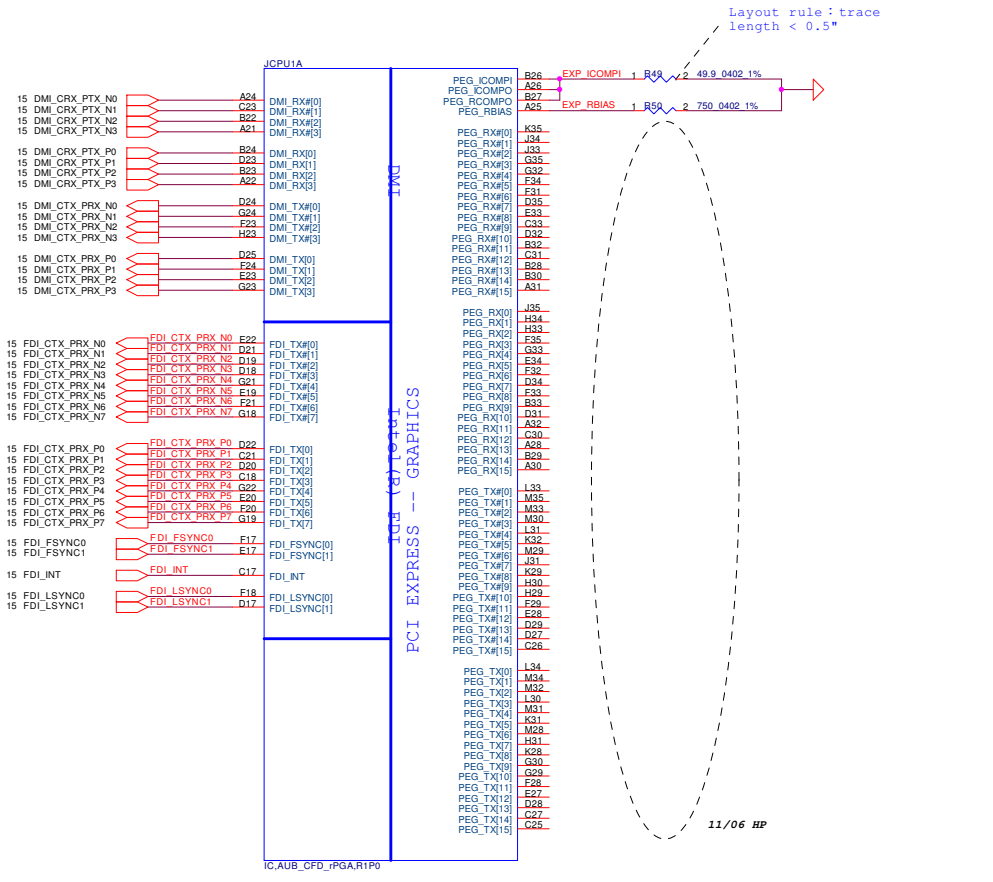
8059@ : Install for 8059 NIC controller

SMBUS Control Table

	SOURCE	BATT	XDP	SODIMM	CLK CHIP	MINI CARD	DOCK	NIC	THERMAL SENSOR	G-SENSOR
SMB_EC_CK1 SMB_EC_DA1	SMSC1098	V	X	X	X	X	X	X	X	X
SMBCLK SMBDATA	Calpella	X	V	V	V	V	V	V	X	V
SML0CLK SML0DATA	Calpella	X	X	X	X	X	X	X	X	X
SML1CLK SML1DATA	Calpella	X	X	X	X	X	X	X	V	X

Security Classification	Compal Secret Data			Compal Electronics, Inc.		
Issued Date	2008/10/31	Deciphered Date	2009/11/06	Notes List		
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BY OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.				Size Custom	Document Number LA-4892P	Rev 0.3
				Date	Friday, May 15, 2009	Sheet 3 of 45





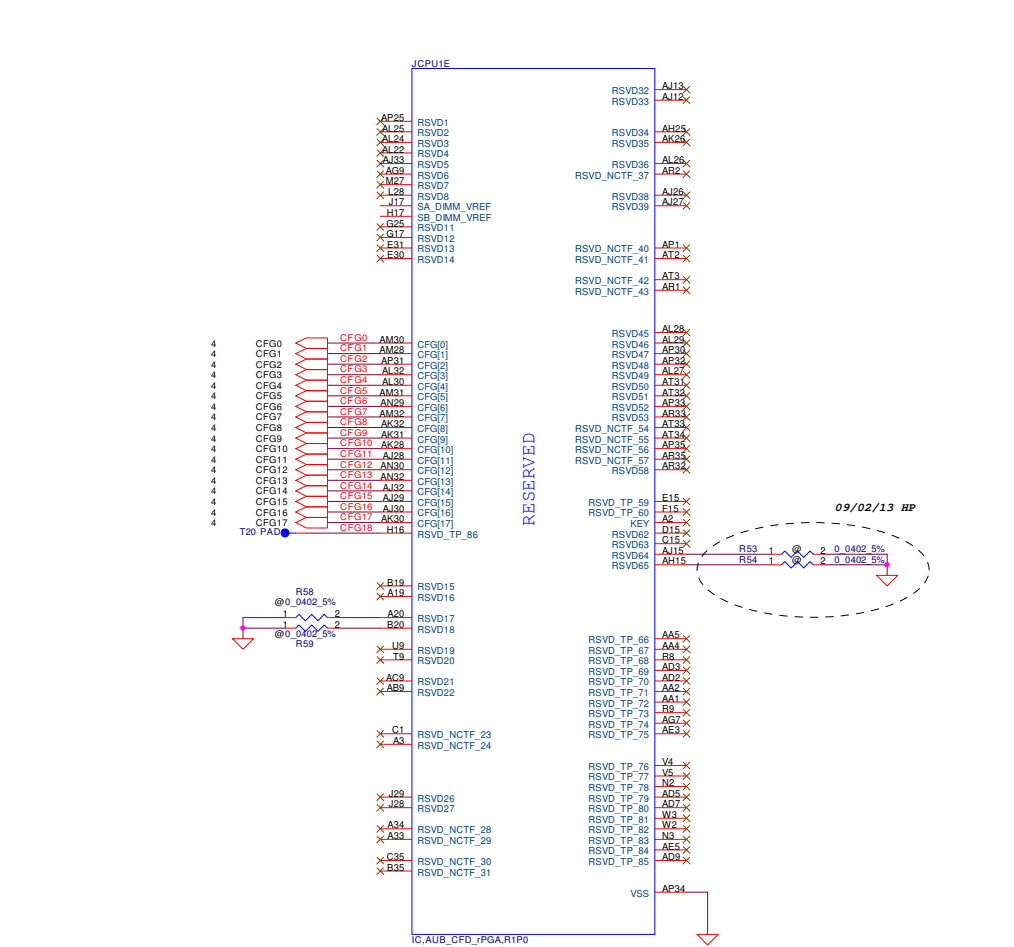
CFG Straps for PROCESSOR

CFG0
R60 @ 5.01K_0402_1%
PCI-Express Configuration Select
CFG0 1: Single FBG
0: Bifurcation enabled
Not applicable for Clocksfield Processor

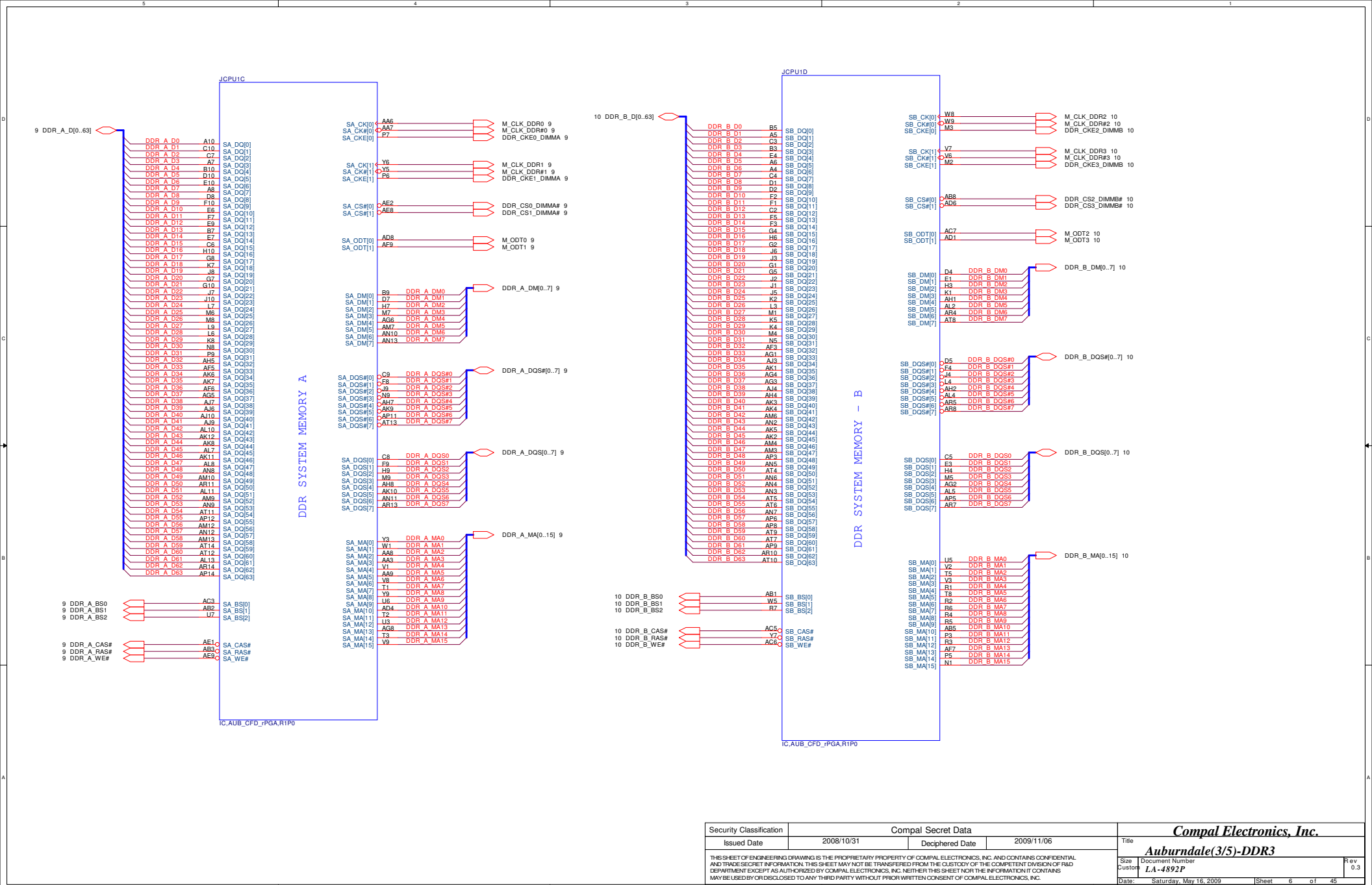
CFG3
R62 @ 5.01K_0402_1%
CFG01-PCI Express Static Lane Reversal
CFG3 1: Normal Operation
0: Lane Numbers Reversed
15 -> 0, 14 -> 1,

CFG4
R63 @ 5.01K_0402_1%
CFG04-Display Port Presence
CFG4 1: Disabled; No Physical Display Port attached to Embedded Display Port
0: Enabled; An external Display Port device is connected to the Embedded Display Port

CFG7
R61 @ 5.01K_0402_1%
Only temporary for early CPD samples (rPGA/BGA)
No needed by MoW41.



Security Classification		Compal Secret Data		Compal Electronics, Inc.			
Issued Date		2008/10/31	Deciphered Date	2009/11/06	Title		
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BY OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.					Auburndale(2/5)-DMI/PEG/FDI		
					Size	Document Number	Rev
					Customer	LA-4892P	0.
					Date:	Saturday, May 16, 2009	Sheet



+CPU CORE

JCPU1F

48A

18A

+VCCP

VTTO_1

VTTO_2

VTTO_3

VTTO_4

VTTO_5

VTTO_6

VTTO_7

VTTO_8

VTTO_9

VTTO_10

VTTO_11

VTTO_12

VTTO_13

VTTO_14

VTTO_15

VTTO_16

VTTO_17

VTTO_18

VTTO_19

VTTO_20

VTTO_21

VTTO_22

VTTO_23

VTTO_24

VTTO_25

VTTO_26

VTTO_27

VTTO_28

VTTO_29

VTTO_30

VTTO_31

VTTO_32

VTTO_33

VTTO_34

VTTO_35

VTTO_36

VTTO_37

VTTO_38

VTTO_39

VTTO_40

VTTO_41

VTTO_42

VTTO_43

VTTO_44

VTTO_45

VTTO_46

VTTO_47

VTTO_48

VTTO_49

VTTO_50

VTTO_51

VTTO_52

VTTO_53

VTTO_54

VTTO_55

VTTO_56

VTTO_57

VTTO_58

VTTO_59

VTTO_60

VTTO_61

VTTO_62

VTTO_63

VTTO_64

VTTO_65

VTTO_66

VTTO_67

VTTO_68

VTTO_69

VTTO_70

VTTO_71

VTTO_72

VTTO_73

VTTO_74

VTTO_75

VTTO_76

VTTO_77

VTTO_78

VTTO_79

VTTO_80

VTTO_81

VTTO_82

VTTO_83

VTTO_84

VTTO_85

VTTO_86

VTTO_87

VTTO_88

VTTO_89

VTTO_90

VTTO_91

VTTO_92

VTTO_93

VTTO_94

VTTO_95

VTTO_96

VTTO_97

VTTO_98

VTTO_99

VTTO_100

VTTO_101

VTTO_102

VTTO_103

VTTO_104

VTTO_105

VTTO_106

VTTO_107

VTTO_108

VTTO_109

VTTO_110

VTTO_111

VTTO_112

VTTO_113

VTTO_114

VTTO_115

VTTO_116

VTTO_117

VTTO_118

VTTO_119

VTTO_120

VTTO_121

VTTO_122

VTTO_123

VTTO_124

VTTO_125

VTTO_126

VTTO_127

VTTO_128

VTTO_129

VTTO_130

VTTO_131

VTTO_132

VTTO_133

VTTO_134

VTTO_135

VTTO_136

VTTO_137

VTTO_138

VTTO_139

VTTO_140

VTTO_141

VTTO_142

VTTO_143

VTTO_144

VTTO_145

VTTO_146

VTTO_147

VTTO_148

VTTO_149

VTTO_150

VTTO_151

VTTO_152

VTTO_153

VTTO_154

VTTO_155

VTTO_156

VTTO_157

VTTO_158

VTTO_159

VTTO_160

VTTO_161

VTTO_162

VTTO_163

VTTO_164

VTTO_165

VTTO_166

VTTO_167

VTTO_168

VTTO_169

VTTO_170

VTTO_171

VTTO_172

VTTO_173

VTTO_174

VTTO_175

VTTO_176

VTTO_177

VTTO_178

VTTO_179

VTTO_180

VTTO_181

VTTO_182

VTTO_183

VTTO_184

VTTO_185

VTTO_186

VTTO_187

VTTO_188

VTTO_189

VTTO_190

VTTO_191

VTTO_192

VTTO_193

VTTO_194

VTTO_195

VTTO_196

VTTO_197

VTTO_198

VTTO_199

VTTO_200

VTTO_201

VTTO_202

VTTO_203

VTTO_204

VTTO_205

VTTO_206

VTTO_207

VTTO_208

VTTO_209

VTTO_210

VTTO_211

VTTO_212

VTTO_213

VTTO_214

VTTO_215

VTTO_216

VTTO_217

VTTO_218

VTTO_219

VTTO_220

VTTO_221

VTTO_222

VTTO_223

VTTO_224

VTTO_225

VTTO_226

VTTO_227

VTTO_228

VTTO_229

VTTO_230

VTTO_231

VTTO_232

VTTO_233

VTTO_234

VTTO_235

VTTO_236

VTTO_237

VTTO_238

VTTO_239

VTTO_240

VTTO_241

VTTO_242

VTTO_243

VTTO_244

VTTO_245

VTTO_246

VTTO_247

VTTO_248

VTTO_249

VTTO_250

VTTO_251

VTTO_252

VTTO_253

VTTO_254

VTTO_255

VTTO_256

VTTO_257

VTTO_258

VTTO_259

VTTO_260

VTTO_261

VTTO_262

VTTO_263

VTTO_264

VTTO_265

VTTO_266

VTTO_267

VTTO_268

VTTO_269

VTTO_270

VTTO_271

VTTO_272

VTTO_273

VTTO_274

VTTO_275

VTTO_276

VTTO_277

VTTO_278

VTTO_279

VTTO_280

VTTO_281

VTTO_282

VTTO_283

VTTO_284

VTTO_285

VTTO_286

VTTO_287

VTTO_288

VTTO_289

VTTO_290

VTTO_291

VTTO_292

VTTO_293

VTTO_294

VTTO_295

VTTO_296

VTTO_297

VTTO_298

VTTO_299

VTTO_300

VTTO_301

VTTO_302

VTTO_303

VTTO_304

VTTO_305

VTTO_306

VTTO_307

VTTO_308

VTTO_309

VTTO_310

VTTO_311

VTTO_312

VTTO_313

VTTO_314

VTTO_315

VTTO_316

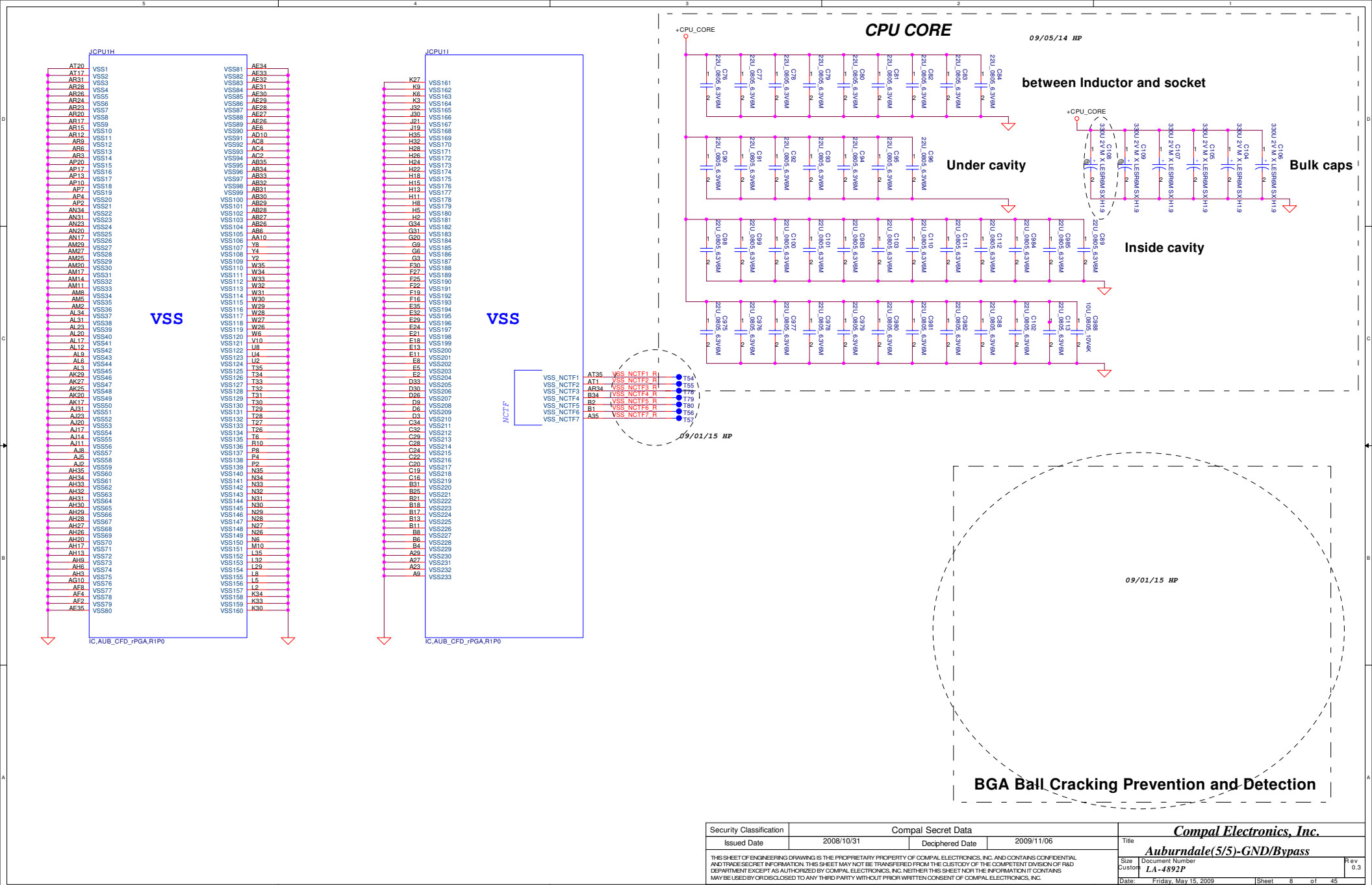
VTTO_317

VTTO_318

VTTO_319

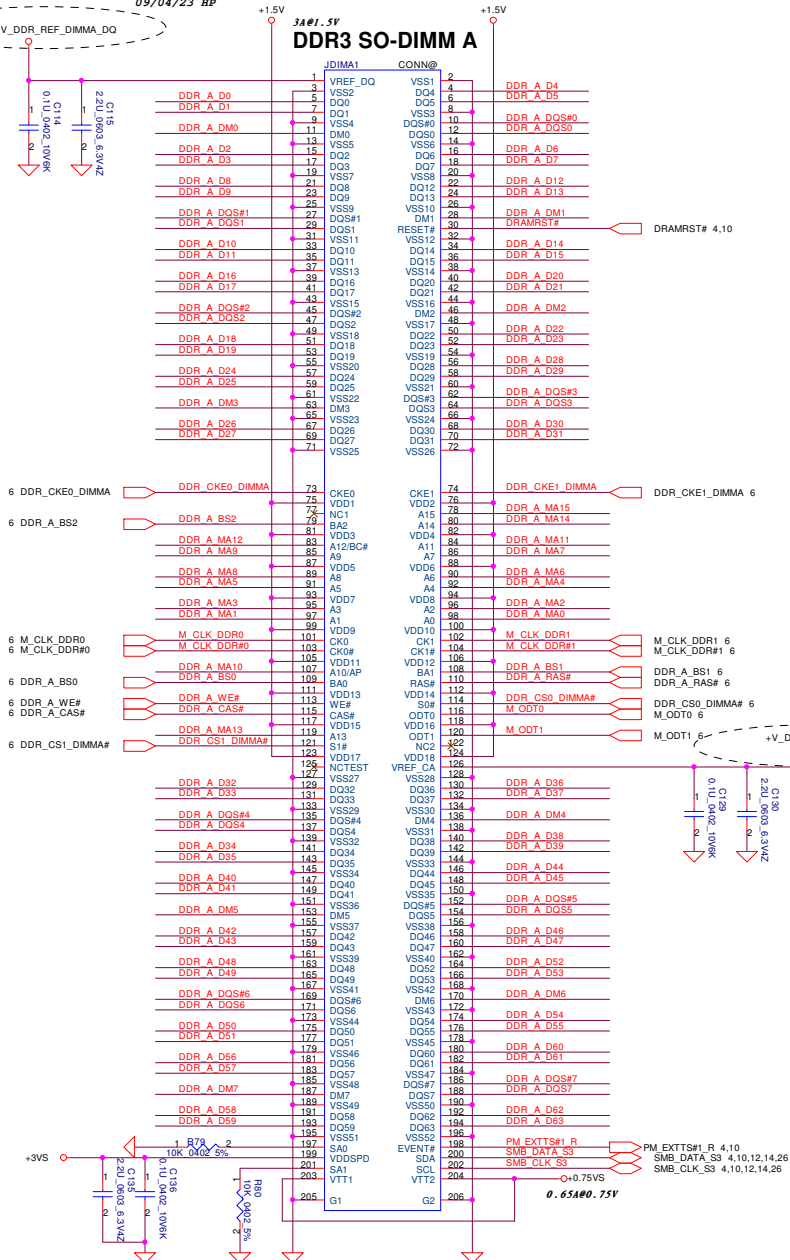
VTTO_320

VTTO_321</



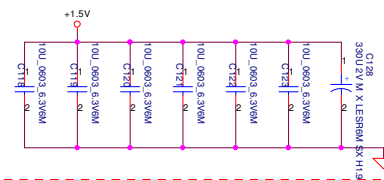
Security Classification		Compal Secret Data		Compal Electronics, Inc.	
Issued Date	2008/10/31	Deciphered Date	2009/11/06	Title	Auburndale(5/5)-GND/Bypass
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BY OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.				Size Customer	Document Number LA-4892P
				Date:	Friday, May 15, 2009
				Sheet	8 of 45

09/04/23 HP DDR3 SO-DIMM A

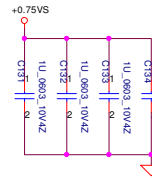


- 6 DDR_A_D[0..63]
- 6 DDR_A_DM[0..7]
- 6 DDR_A_DQS[0..7]
- 6 DDR_A_DQS[0..7]
- 6 DDR_A_MA[0..15]

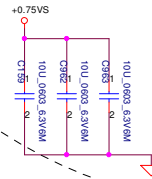
Layout Note:
Place near DIMM



Layout Note:
Place near DIMM

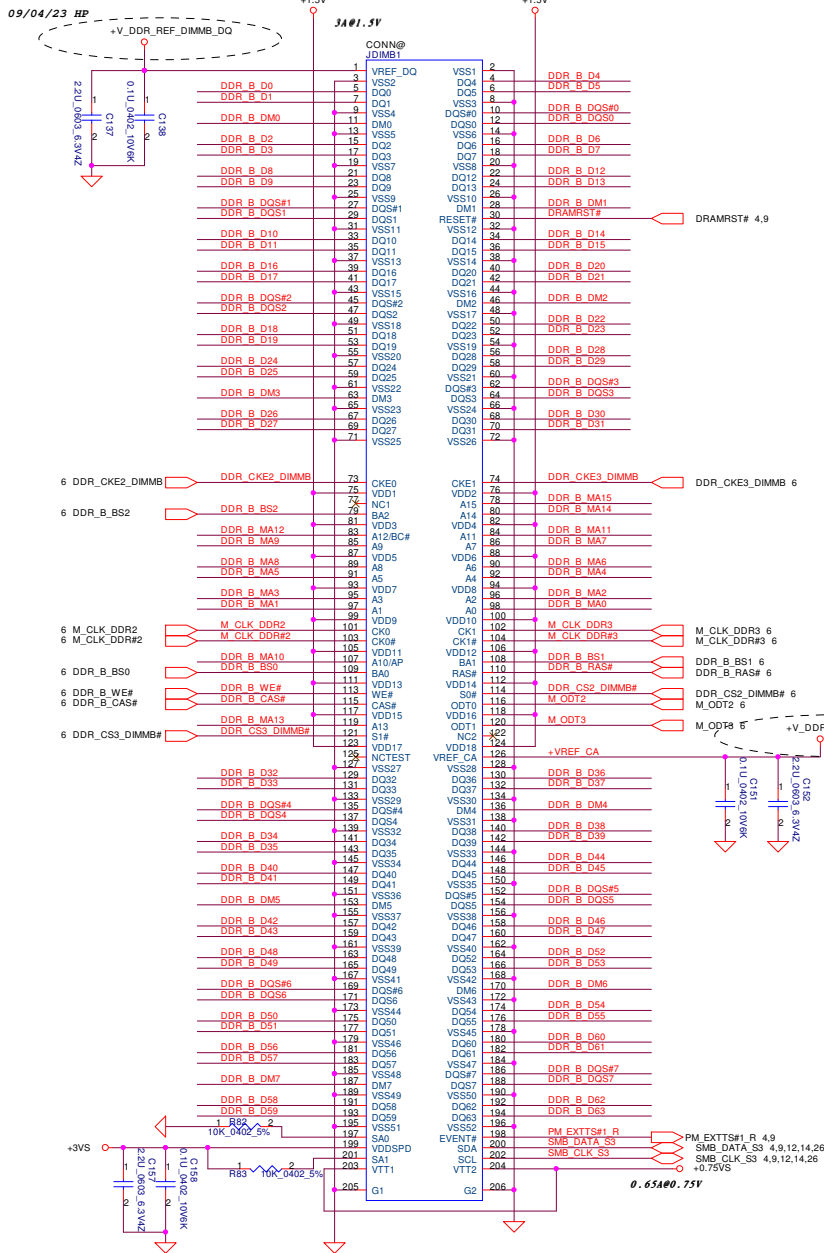


Layout Note:
Shared between the two
SO-DIMMs.
Place two capacitors close
to the VR and one
between the two SODIMMs

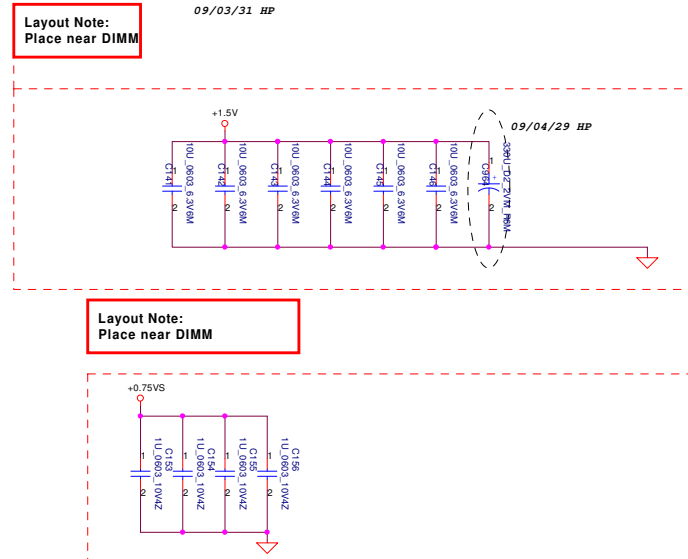


TOP SLOT

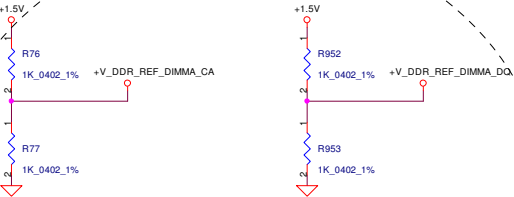
Security Classification		Compal Secret Data		Compal Electronics, Inc.	
Issued Date	2008/10/31	Deciphered Date	2009/11/06	Title	
				DDRIII-SODIMM SLOT1	
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BY OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.				Size	Document Number
				Custom	LA-4892P
				Date	Saturday, May 16, 2009
				Sheet	9 of 45
				Rev	0.3



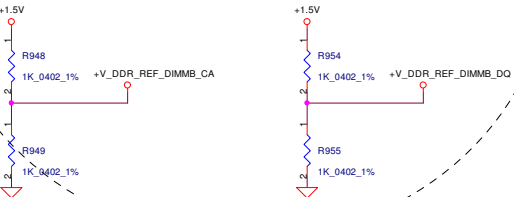
BOT SLOT



09/04/03 Auburndale/Arrandale only supports M1 change Vref to +V_DDR_CPU_REF



09/04/23 HP



11/20 Auburndale does not require to support M2 for VrefDQ, HP

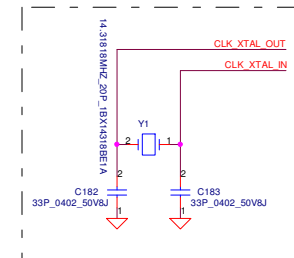
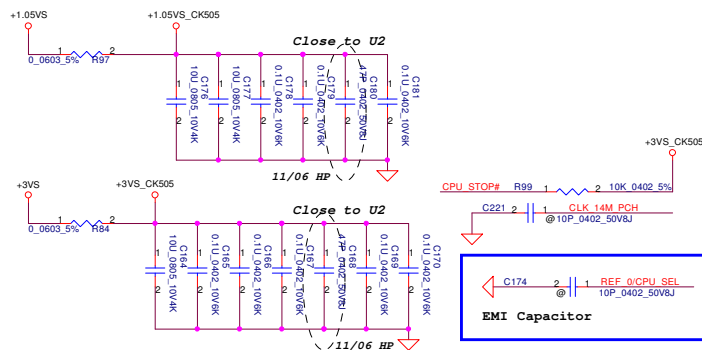
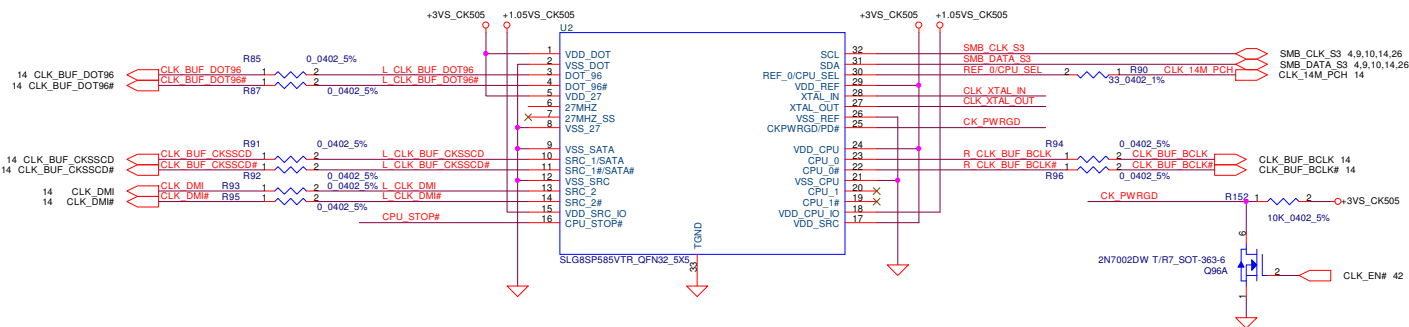
11/20 HP

09/03/31 Auburndale/Arrandale only supports M1, HP

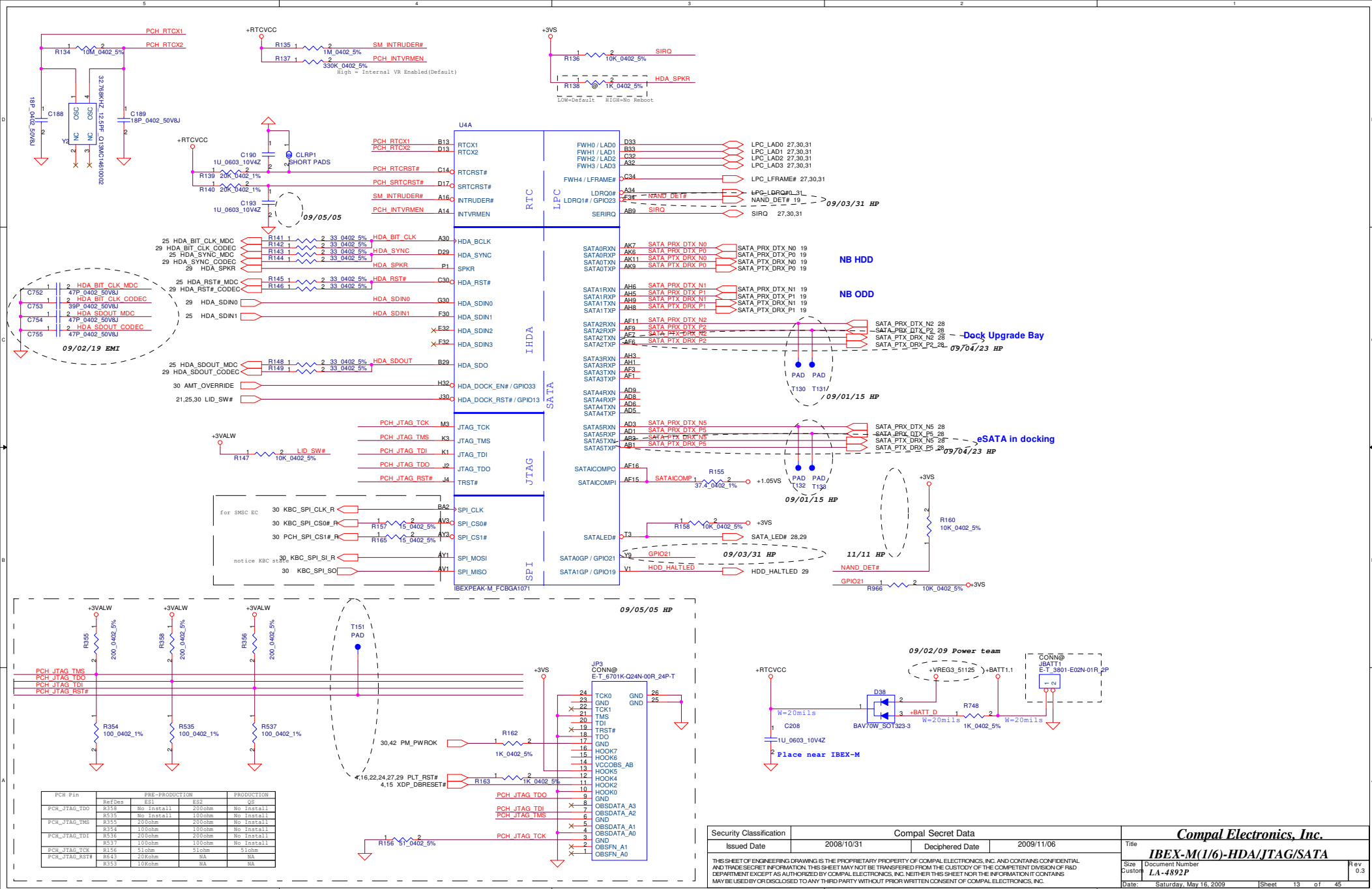
11/20 HP

09/03/31 Auburndale/Arrandale only supports M1, HP

Security Classification	Compal Secret Data			Compal Electronics, Inc.	
Issued Date	2008/09/15	Deciphered Date	2009/11/06	Title	DDRIII SO-DIMM VREFDQ (M1/M2/M3)
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE REPRODUCED OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.				Size	Document Number
				Customer	LA-4892P
				Date	Friday, May 15, 2009
				Sheet	11 of 45

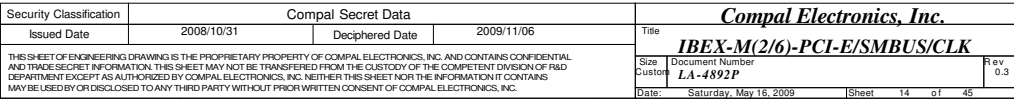


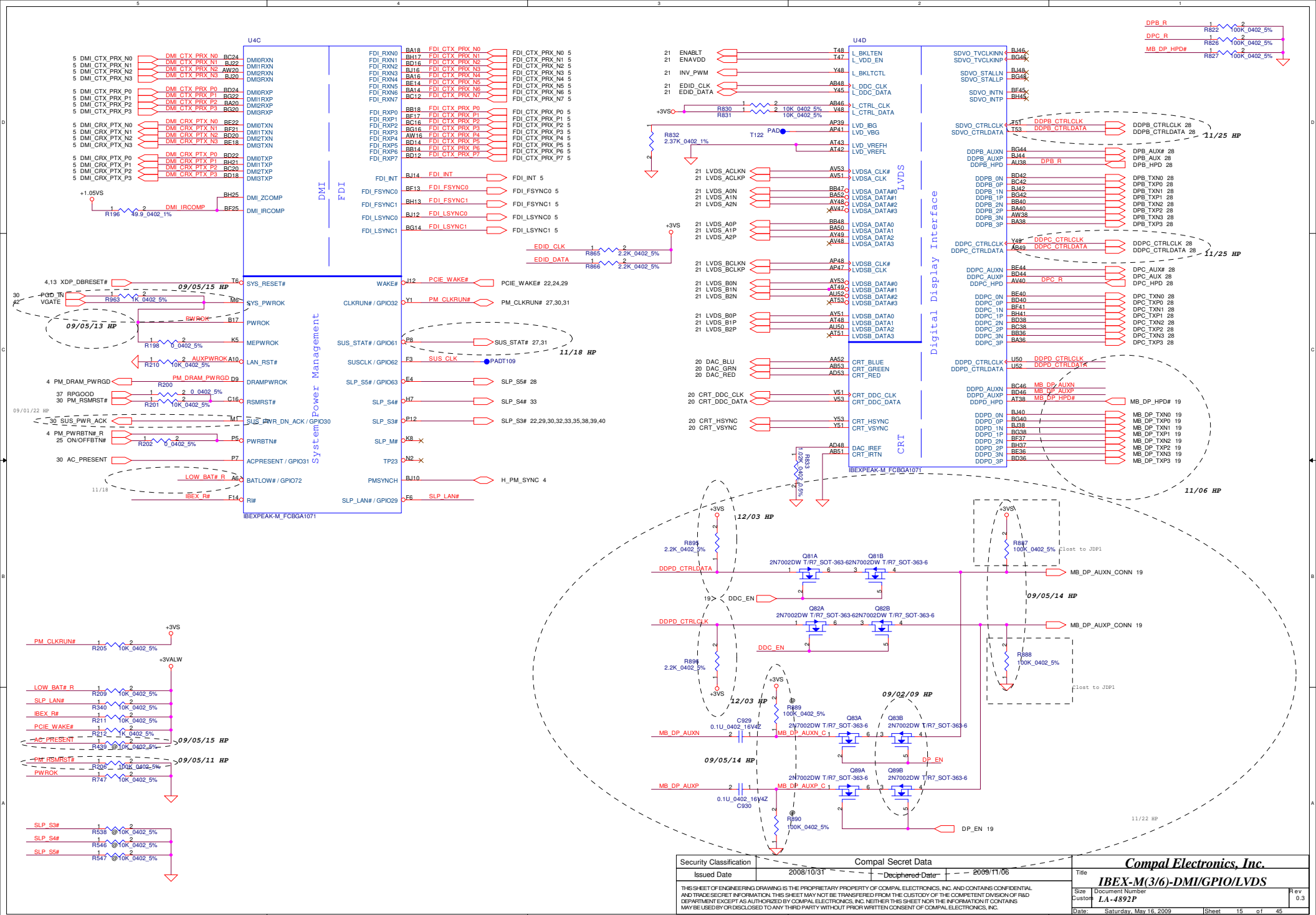
Security Classification		Compal Secret Data		Compal Electronics, Inc.	
Issued Date	2008/10/31	Deciphered Date	2009/11/06	Title	
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BY OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.				Size	Document Number
				LA-4892P	Rev 0.3
				Date:	Saturday, May 16, 2009
				Sheet	12 of 45

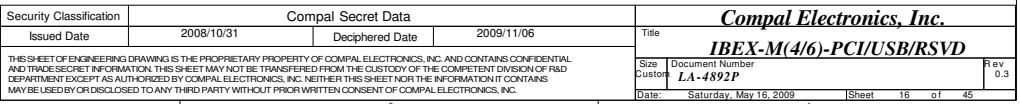


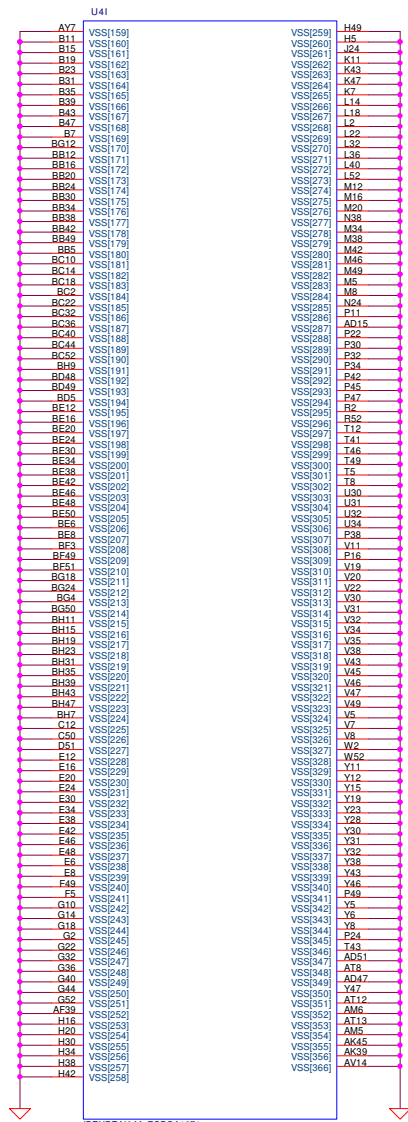
PCR Pin	PRE-PRODUCTION			PRODUCTION
	RefDes	ES1	ES2	
PCR_JTAG_TDO	R358	No Install	200ohm	No Install
	R359	No Install	100ohm	No Install
PCR_JTAG_TMS	R355	200ohm	200ohm	No Install
	R354	100ohm	100ohm	No Install
PCR_JTAG_TDI	R356	200ohm	200ohm	No Install
	R337	100ohm	100ohm	No Install
PCR_JTAG_TCK	R156	51ohm	51ohm	51ohm
PCR_JTAG_RST#	R643	20Kohm	NA	NA
	R353	10Kohm	NA	NA

Security Classification	Compal Secret Data			<i>Compal Electronics, Inc.</i> IBEX-M(1/6)-HDA/JTAG/SATA		
Issued Date	2008/10/31	Deciphered Date	2009/11/06	Title		
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BY OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.				Size	Document Number	Rev
				Date	LA-4892P	0.3
				Saturday, May 16, 2009	Sheet 13 of 45	

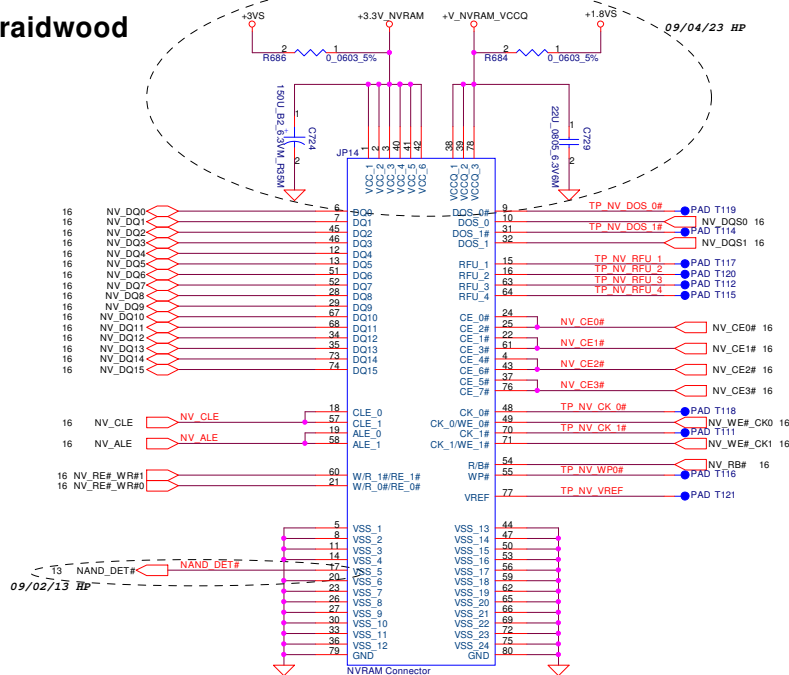




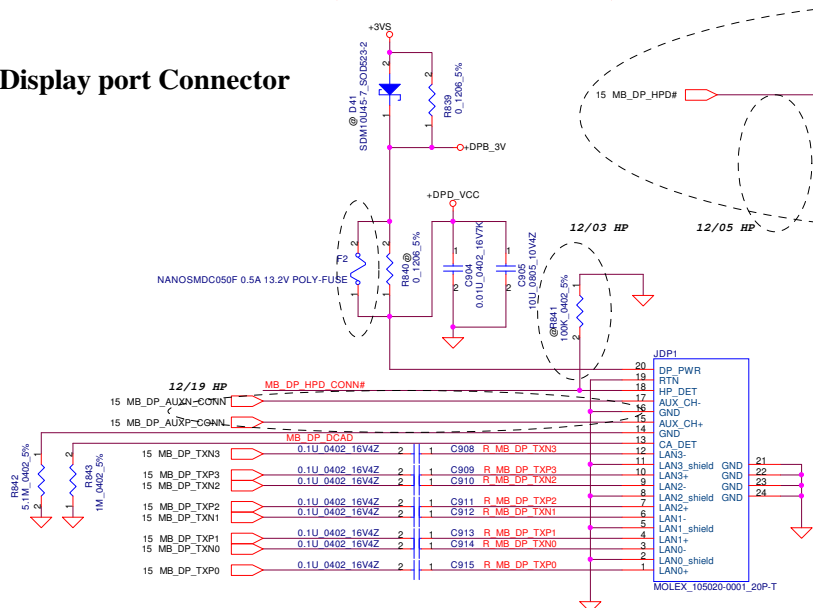
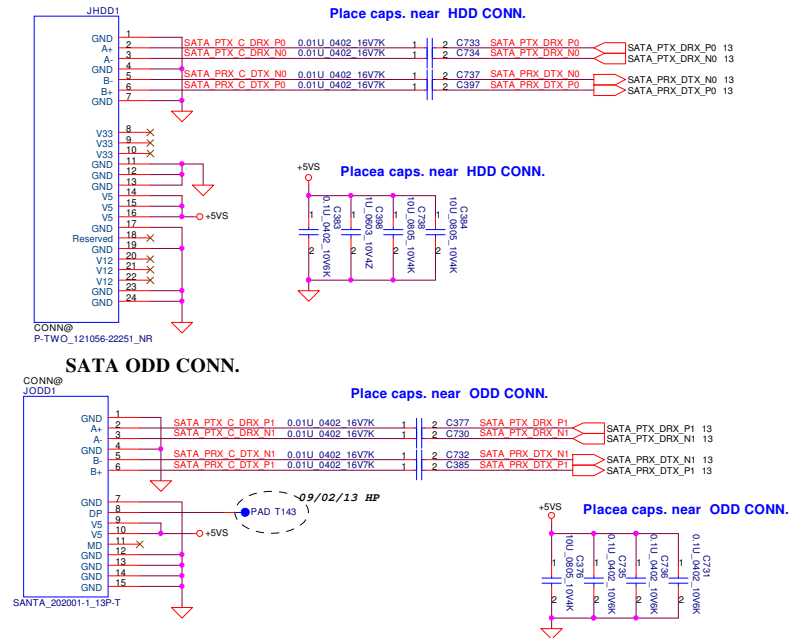




Braidwood

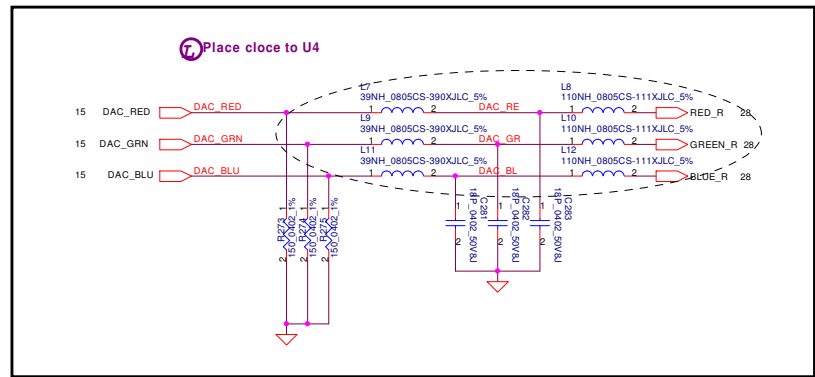
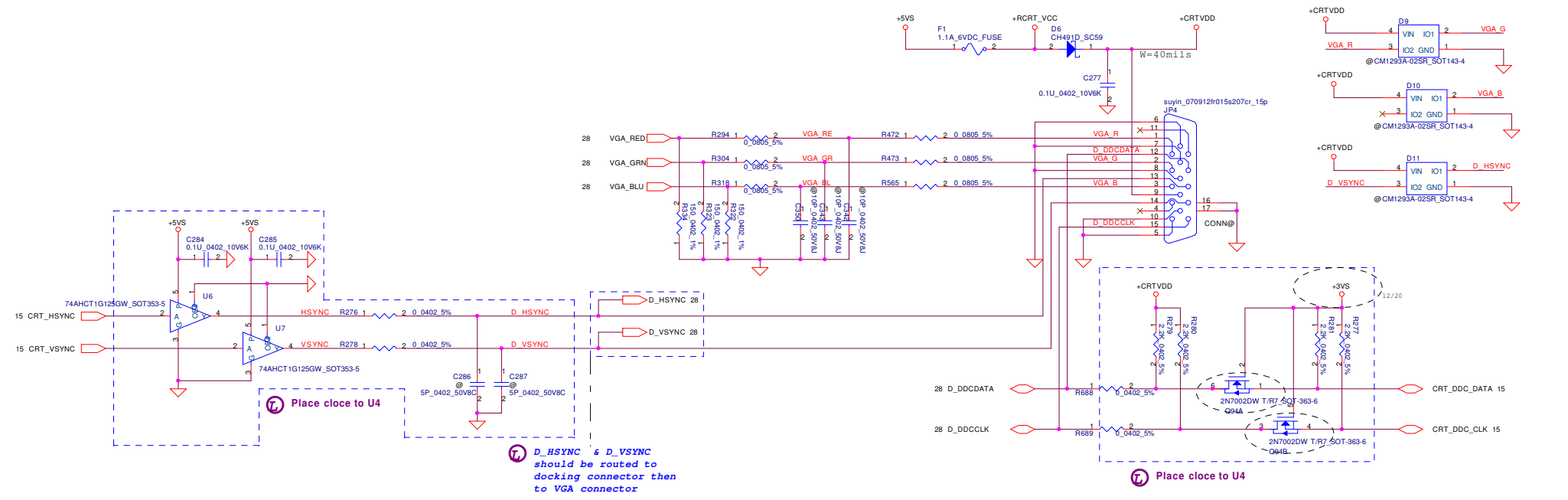


Display port Connector

**SATA HDD CONN.**

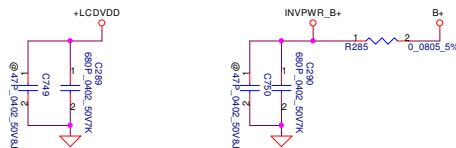
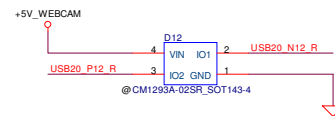
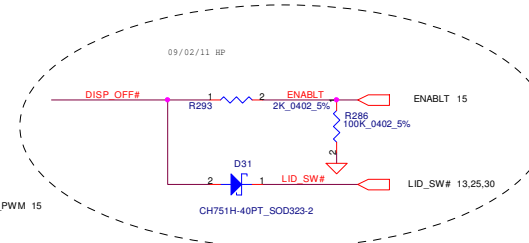
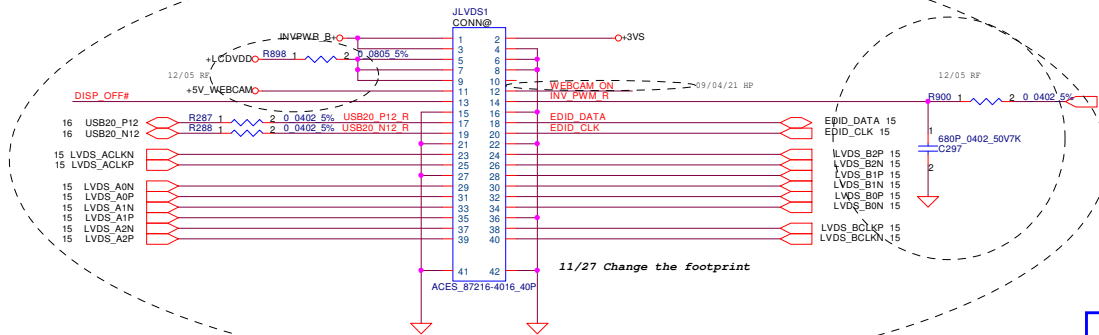
Security Classification	Compal Secret Data			Compal Electronics, Inc.		
Issued Date	2008/10/31	Deciphered Date	2009/11/06	Title	IBEX-M(1/6)-HDA/JTAG/SATA	
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BY OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.				Size	Document Number	Rev
					LA-4892P	0.3
				Date:	Saturday, May 16, 2009	Sheet 19 of 45

CRT Connector



Security Classification		Compal Secret Data		Compal Electronics, Inc.	
Issued Date	2008/10/31	Deciphered Date	2009/11/06	Title	
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BY OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.				Size	Document Number
					LA-4892P
				Date:	Saturday, May 16, 2009
				Sheet	20 of 45

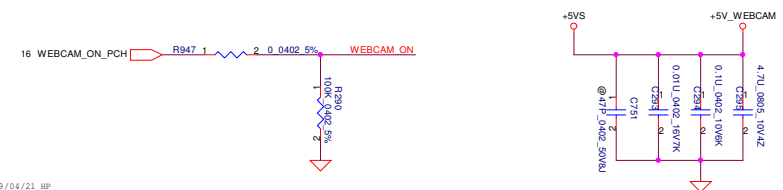
LCD/PANEL BD. CONN.



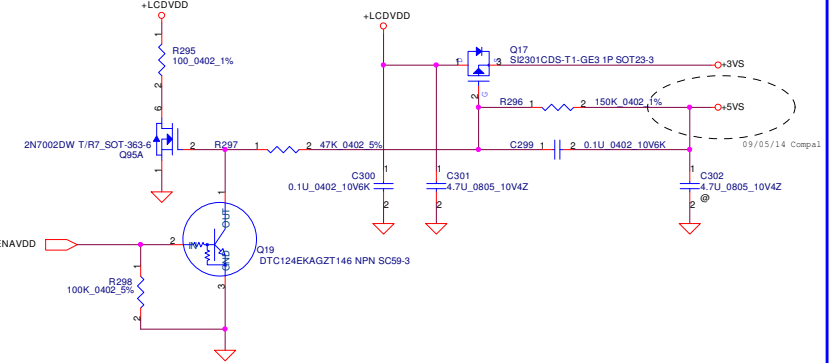
For CCFL only

09/04/13 HP

Webcam POWER CIRCUIT



LCD POWER CIRCUIT

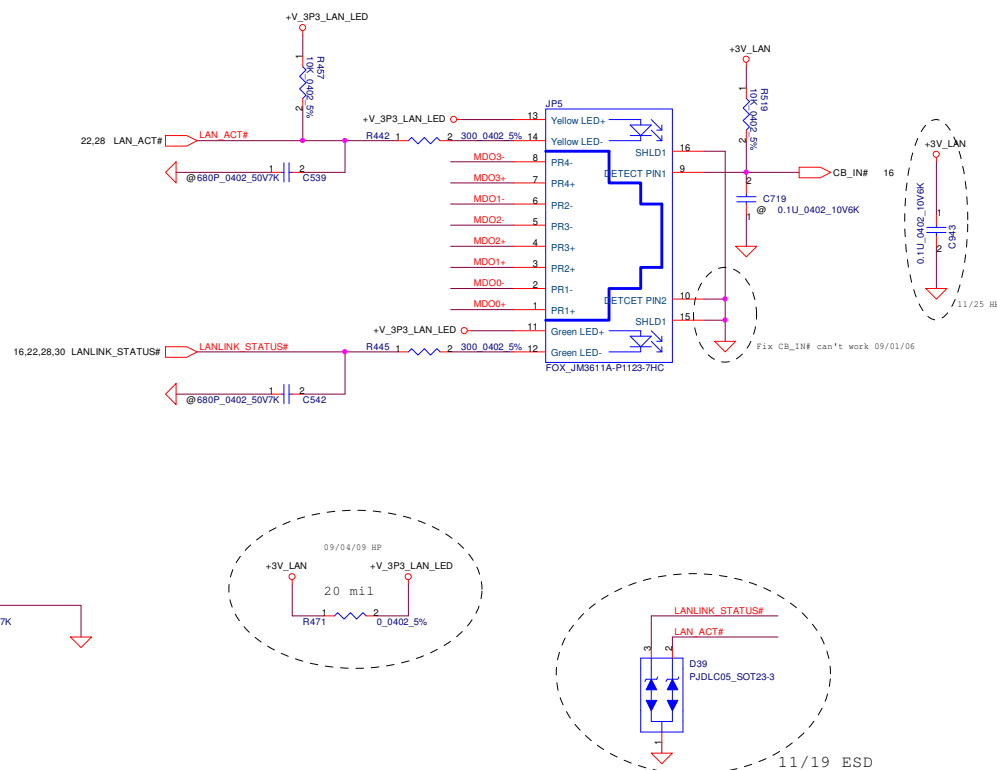


Security Classification		Compal Secret Data		Title	
Issued Date	2008/10/31	Deciphered Date	2009/11/06	Size	Document Number
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BY OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.				LA-4892P	Rev 0.3
				Date:	Saturday, May 16, 2009
				Sheet	21 of 45

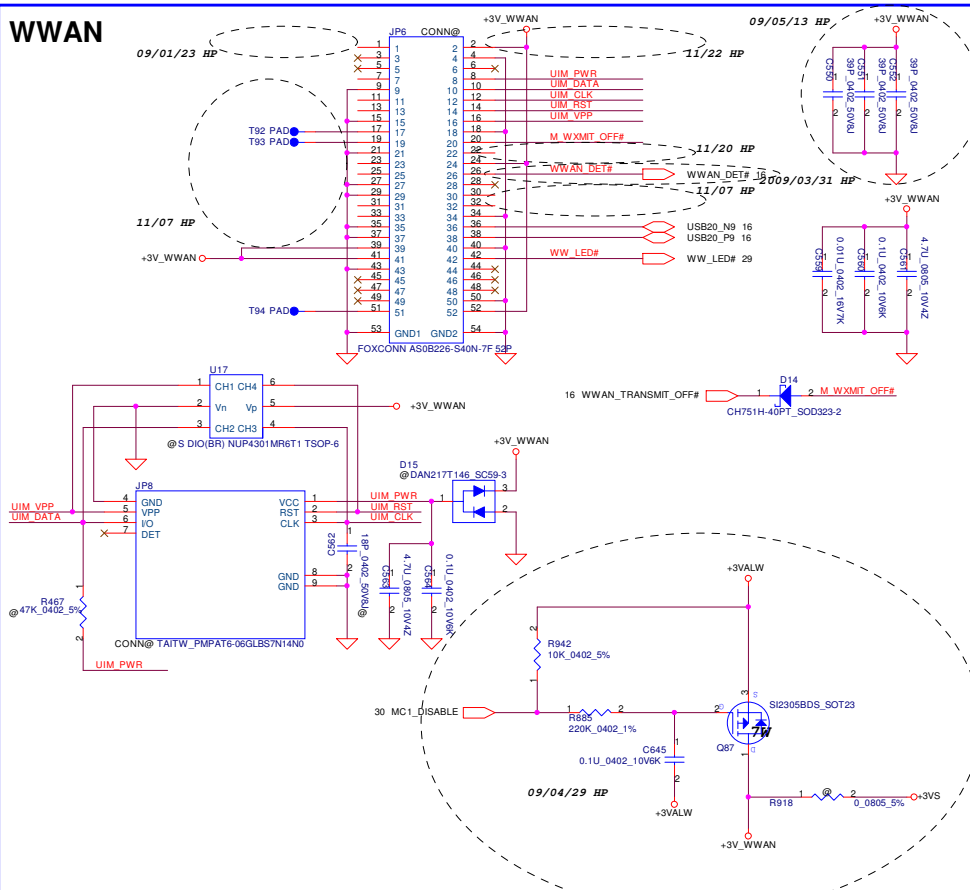
Compal Electronics, Inc.

LCD CONN & O-Switch & GPIO Ext.

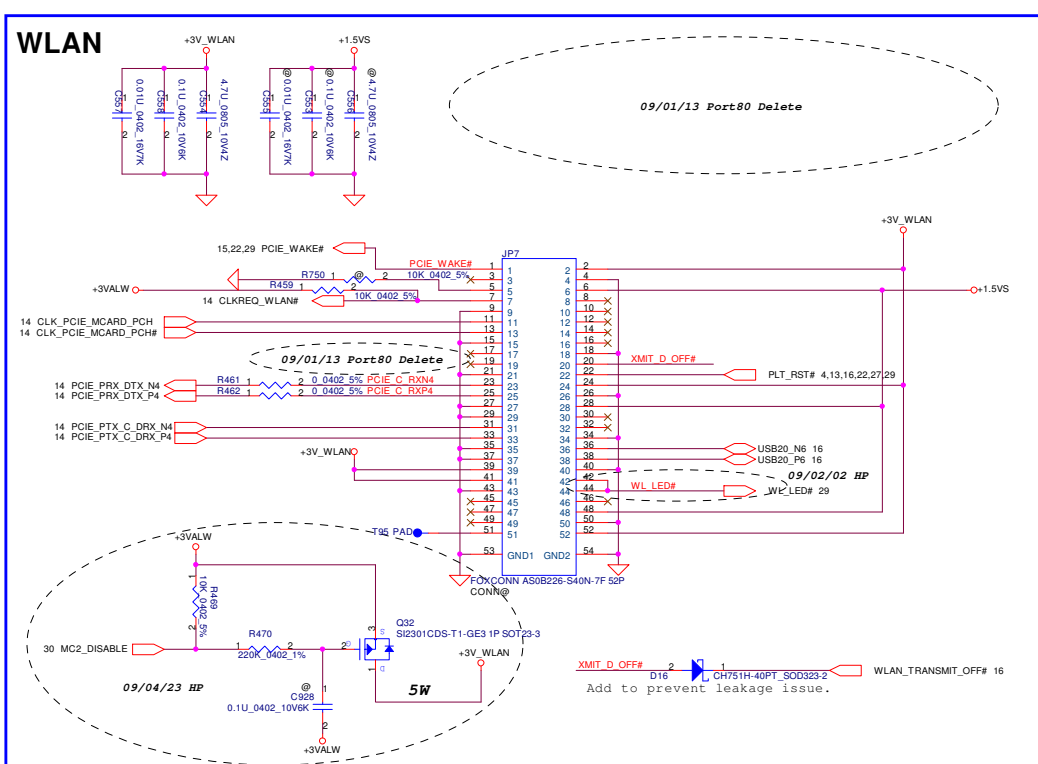
Security Classification		Compal Secret Data		Compal Electronics, Inc. Giga LAN 88E8059/88E8072	
Issued Date	2008/10/31	Deciphered Date	2009/11/06	Title	
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.				Size LA-4892P	Document Number Rev 0.3
Date: Saturday, May 16, 2009		Sheet 22 of 45			



WWAN



WLAN



Security Classification	Compal Secret Data		Compal Electronics, Inc.	
Issued Date	2008/10/31	Deciphered Date	2009/11/06	Title
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BY OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.				Size
				Document Number
				LA-4892P
				Rev
				0.3
				Date
				Saturday, May 16, 2009
				Sheet
				24 of 45

CAP SWITCH BOARD.

09/02/14 HP

3V_L

3V_S

VREG3_51125

3V_S

30 CAP_RST_EC

29 WL_BT_LED#

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

JP11

CAP_CLK_R

CAP_DAT_R

CAP_INT_R

CAP_CLK_L

CAP_DAT_L

CAP_INT_L

STB_LED#

ON/OFF#

LID_SW#

STB_LED#

ON/OFF#

LID_SW#

ACE3 85203-12021 12P P1.0

CONN#

14.30 CAP_CLK

14.30 CAP_DAT

30 CAP_INT

R479 1K 0.02 5%

R480 1K 0.02 5%

R481 10K 0.02 5%

R691 2 0.0402 5%

R692 2 0.0402 5%

R693 2 0.0402 5%

C44 100.0402 50V 6J

C45 100.0402 50V 6J

C46 100.0402 50V 6J

C47 100.0402 50V 6J

28.29 STB_LED#

J28 ON/OFF#

19.21.30 LID_SW#

[illegible]

The schematic diagram shows the following components and connections:

- 3V_L** supply connected to a resistor **R484** (100K_0402_5%).
- R484** is connected to a node that branches to:
 - A capacitor **C591** (1u_0603_10V42) connected to ground.
 - A resistor **R486** (47_0402_5%) connected to the **ON/OFF#** signal.
 - The **ON/OFFBTLN_KBC# 30** pin.
- The **ON/OFFBTLN_KBC# 30** pin is connected to a diode **D25** (CH751H-40PT_SOD323-2).
- The other side of **D25** is connected to a resistor **R487** (100K_0402_5%), which is then connected to the **+3VALW** supply.
- The **ON/OFFBTLN# 15** pin is connected to the output of the diode **D25**.

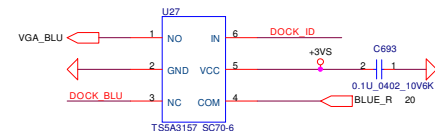
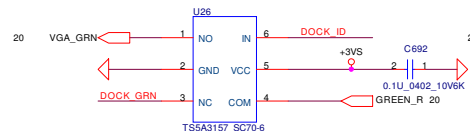
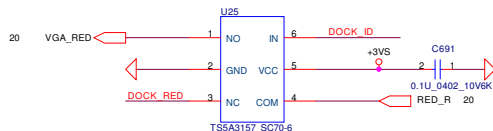
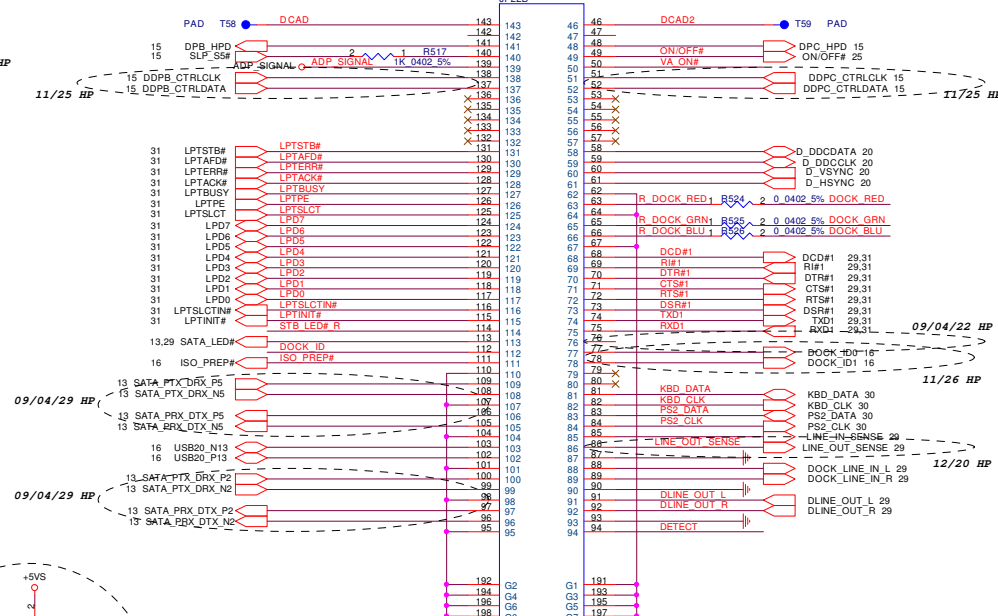
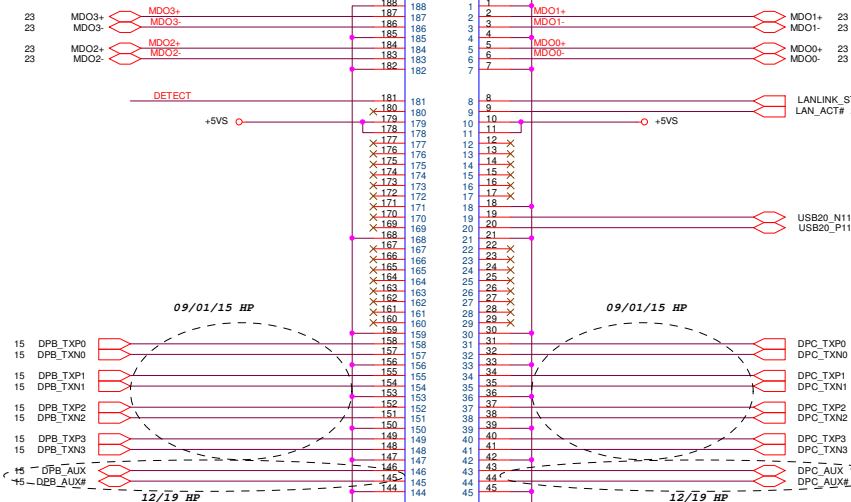
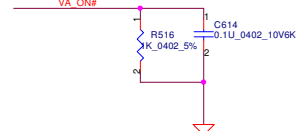
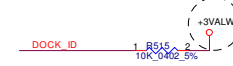
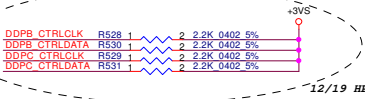
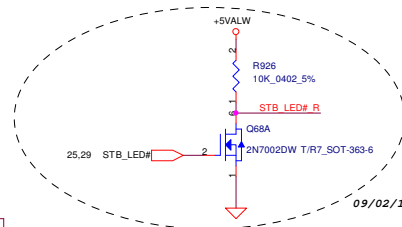
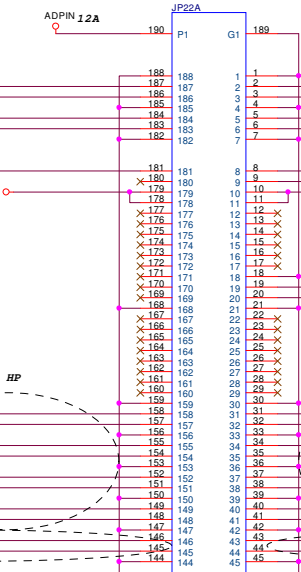
[illegible]

TrackPoint CONN.

Security Classification	Compal Secret Data			<i>Compal Electronics, Inc.</i>		
Issued Date	2008/10/31	Deciphered Date	2009/11/06	Title MDC/KBD/ON OFF/LID		
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BY OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.				Size	Document Number LA-4892P	Rev 0.3
				Date:	Saturday, May 16, 2009	Sheet 25 of 45

-

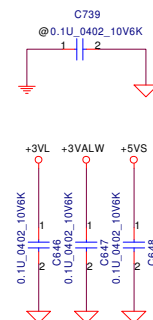
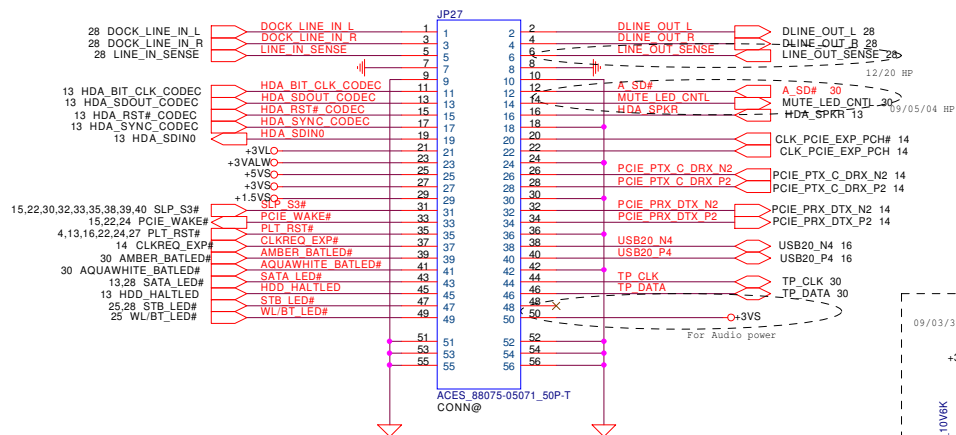
DOCKING CONNECTOR



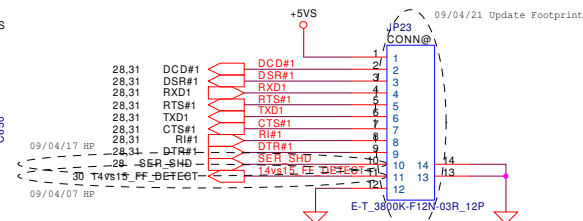
IN	NC<--->COM	NO<--->COM
L	ON	OFF
H	OFF	ON

Security Classification	Compal Secret Data			Compal Electronics, Inc. DOCK CONN		
Issued Date	2008/10/31	Deciphered Date	2009/11/06	Title		
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BY OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.				Size	Document Number	Rev
				Customer	LA-4892P	0.3
				Date	Saturday, May 16, 2009	Sheet 28 of 45

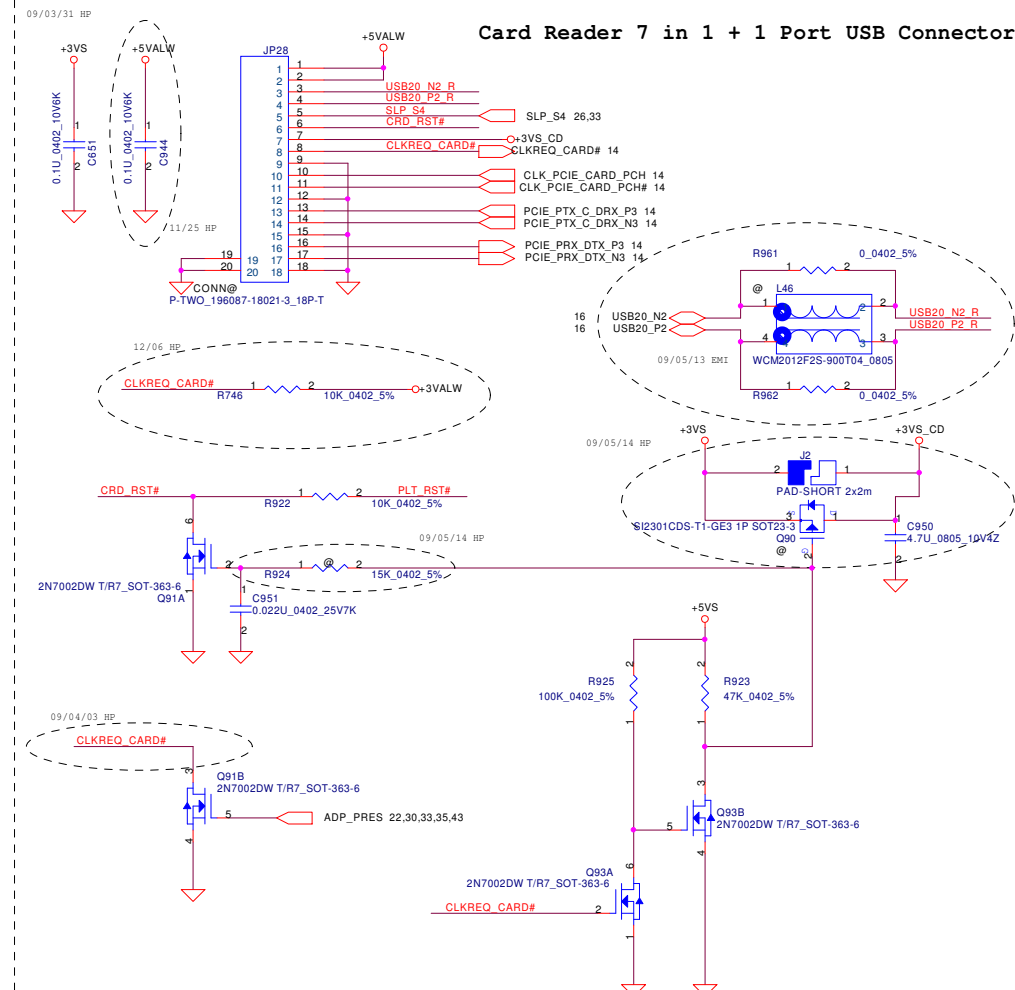
Audio/Express Card/TP/LEDs Connector



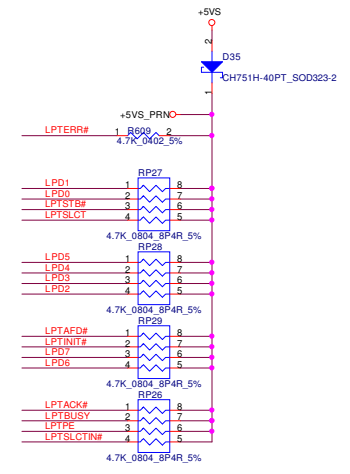
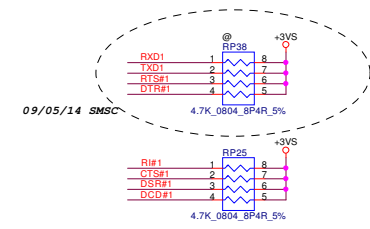
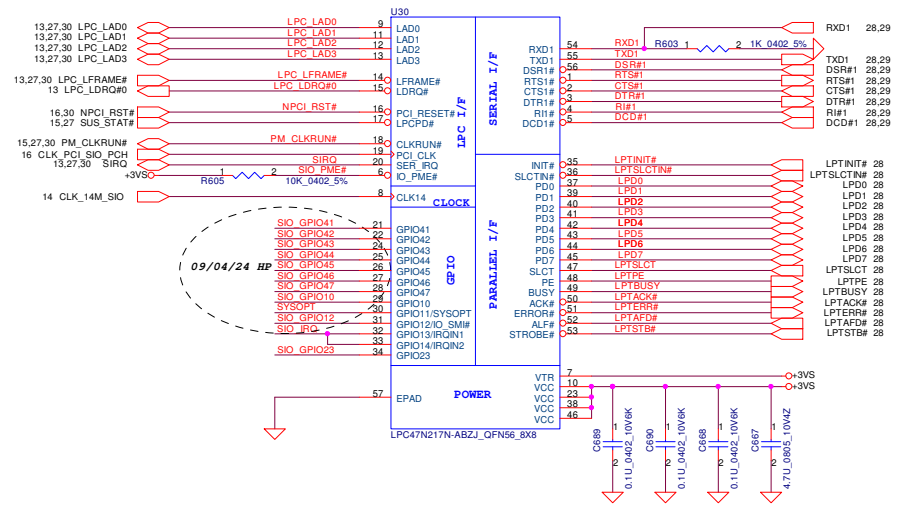
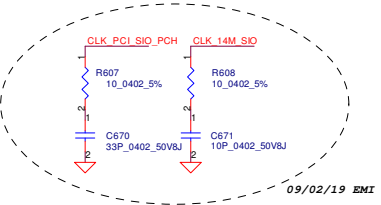
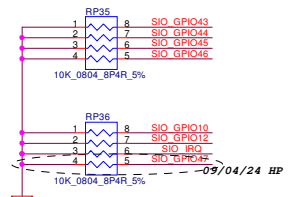
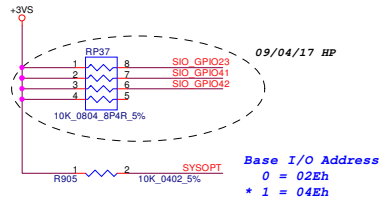
Serial Port CONN



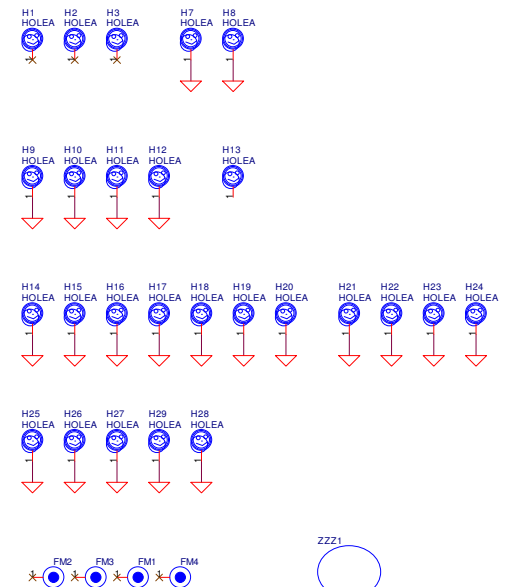
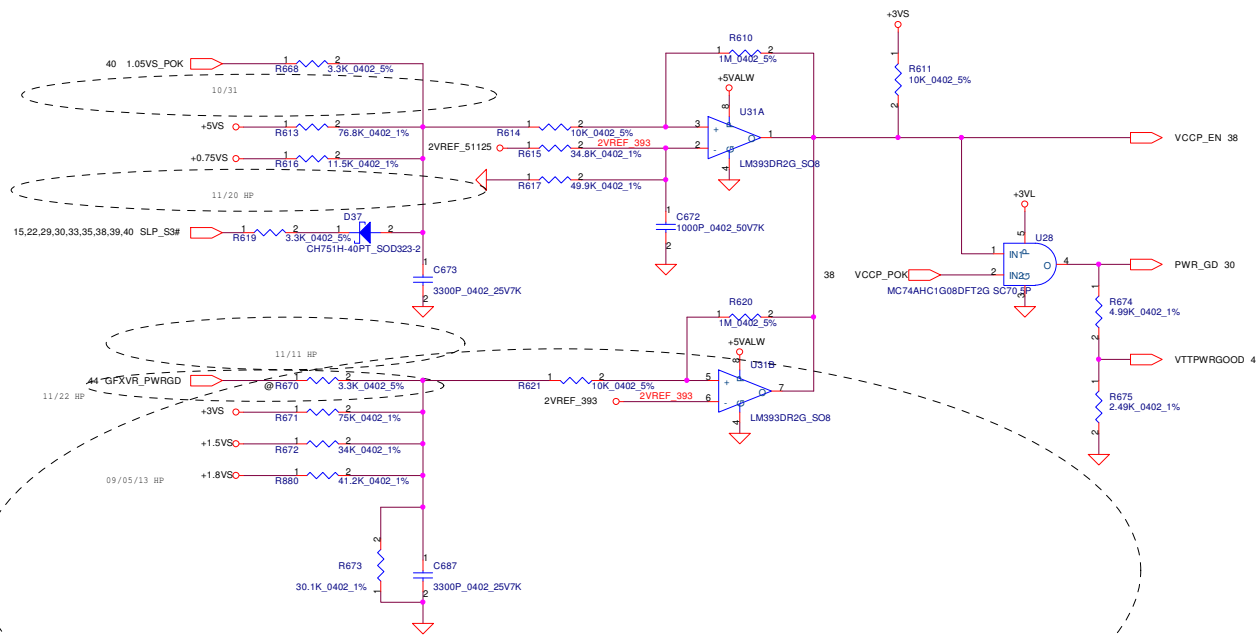
Card Reader 7 in 1 + 1 Port USB Connector



Security Classification		Compal Secret Data		Compal Electronics, Inc. CR&LEDS&PW&Audio&Exp Conn	
Issued Date	2008/10/31	Deciphered Date	2009/11/06	Title	
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BY OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.				Size	Rev
				Custom	0.3
Date: Saturday, May 16, 2009				Sheet	29 of 45

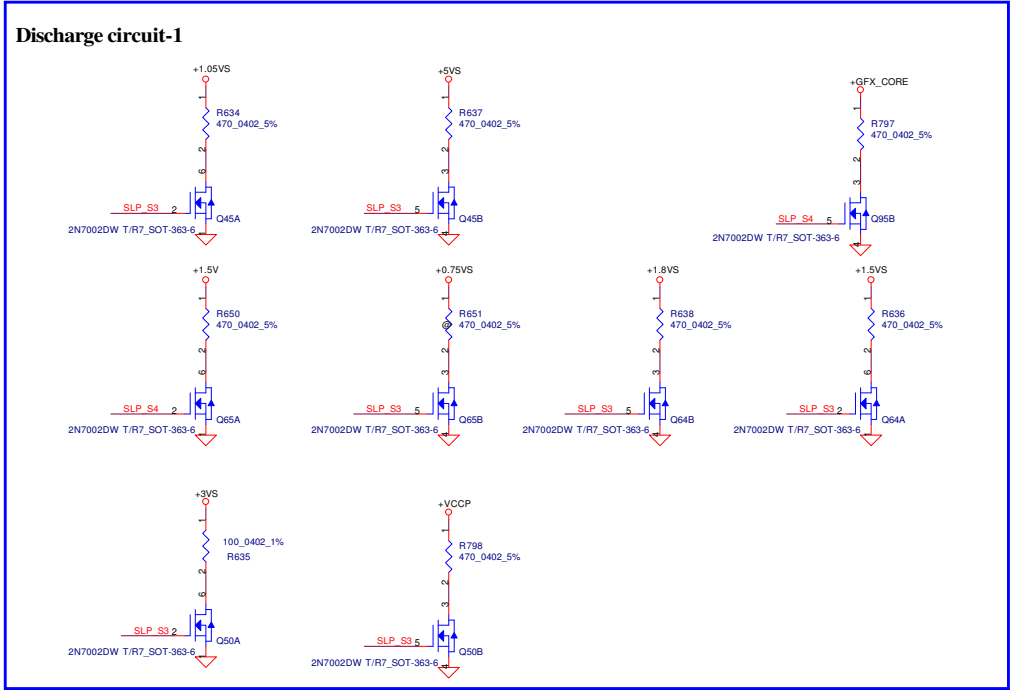
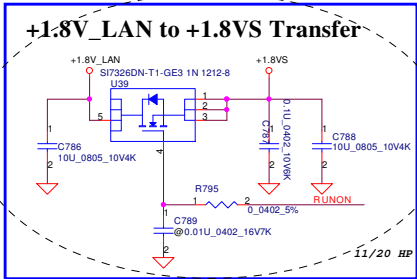
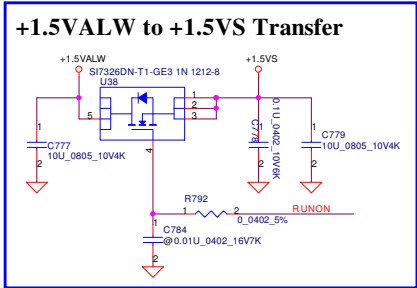
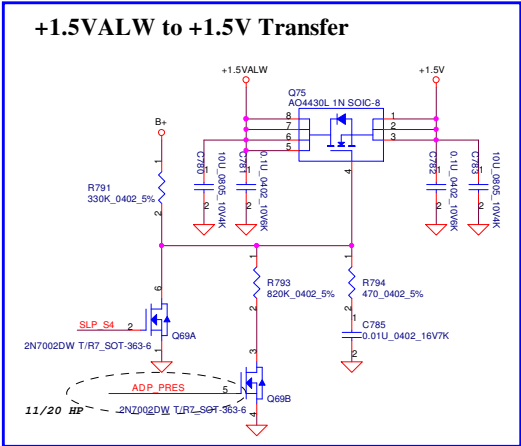
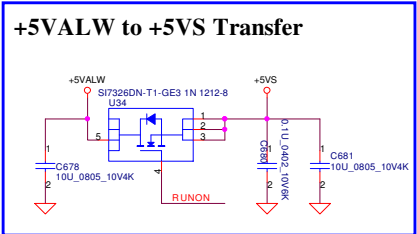
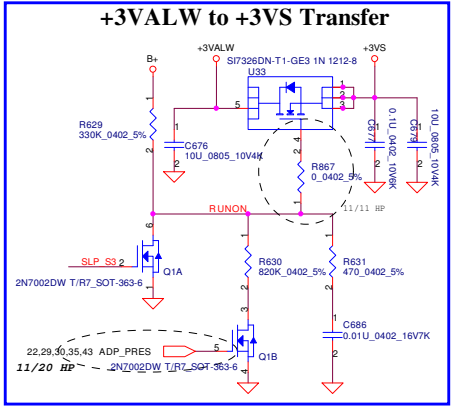


Security Classification		Compal Secret Data		Compal Electronics, Inc.	
Issued Date	2008/10/31	Deciphered Date	2009/11/06	Title	Super I/O LPC47N217
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BY OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.				Size Document Number	Rev 0.3
				Customer	LA-4892P
				Date: Saturday, May 16, 2009	Sheet 31 of 45



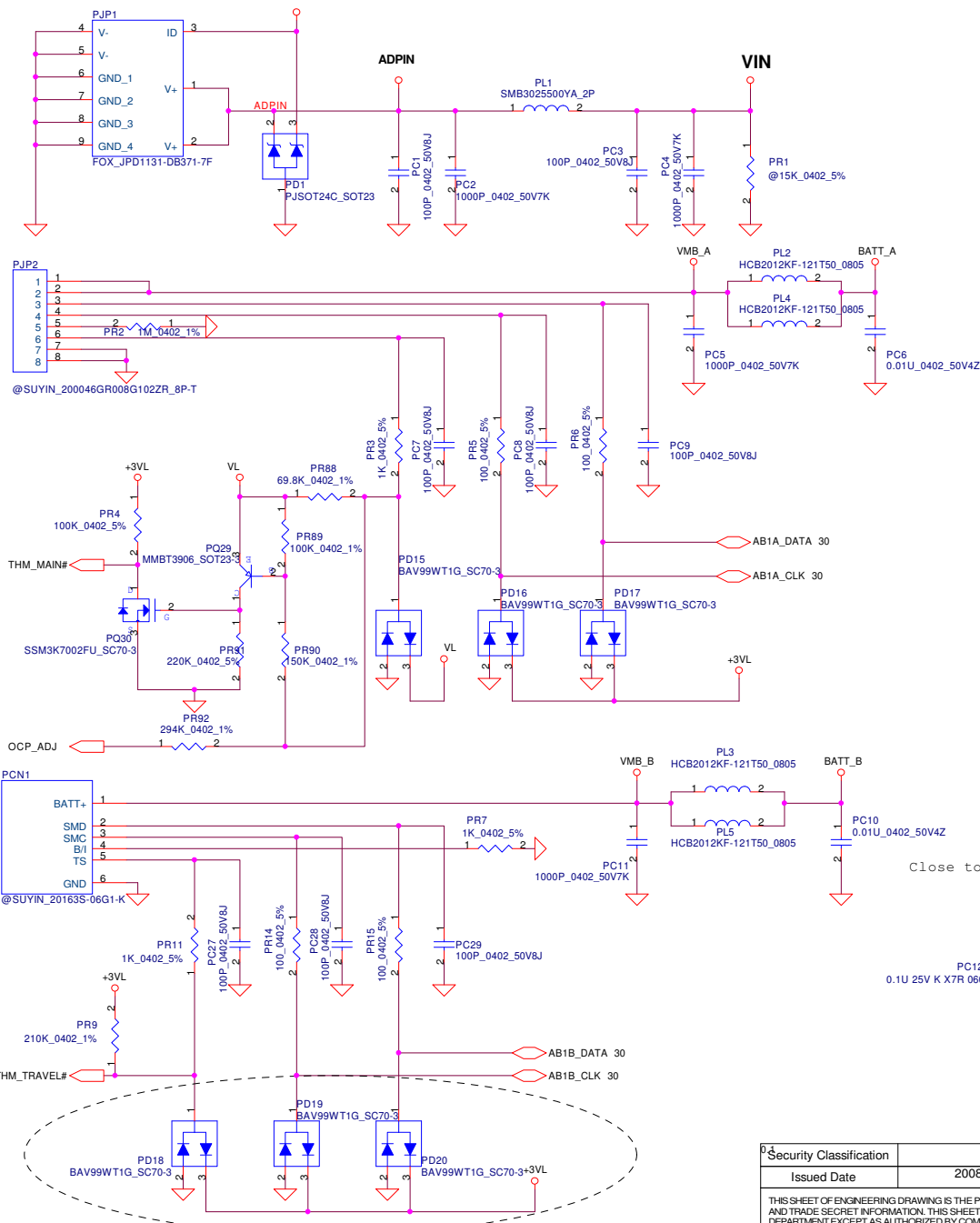
ZZZ1
PCB-LA-4982P

Security Classification	Compal Secret Data			Compal Electronics, Inc.	
Issued Date	2008/10/31	Deciphered Date	2009/11/06	Title POK CKT	
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BY OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.				Size Document Number LA-4892P	Rev 0.3
				Date Saturday, May 16, 2009	Sheet 32 of 45

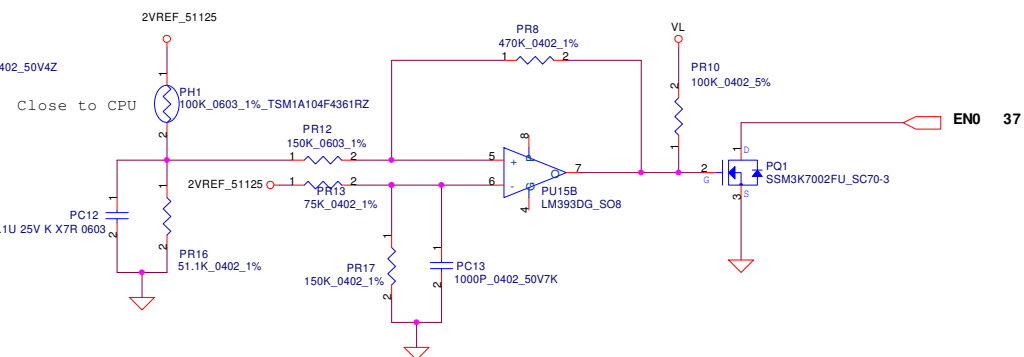


Security Classification		Compal Secret Data		Compal Electronics, Inc.	
Issued Date	2008/10/31	Deciphered Date	2009/11/06	Title	
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BY OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.				DC/DC Circuits	
Size	Document Number	Rev		Date	
15, 22, 29, 30, 32, 35, 38, 39, 40	LA-4892P	0.3		Saturday, May 16, 2009	
Sheet		33		of	
45					

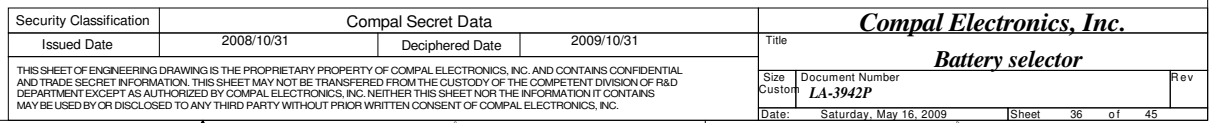
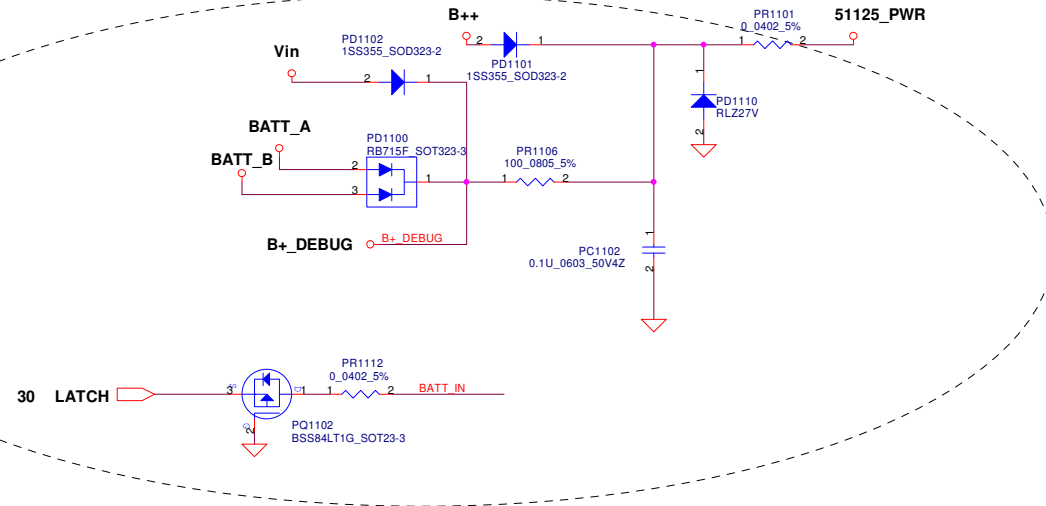
ADP_SIGNAL

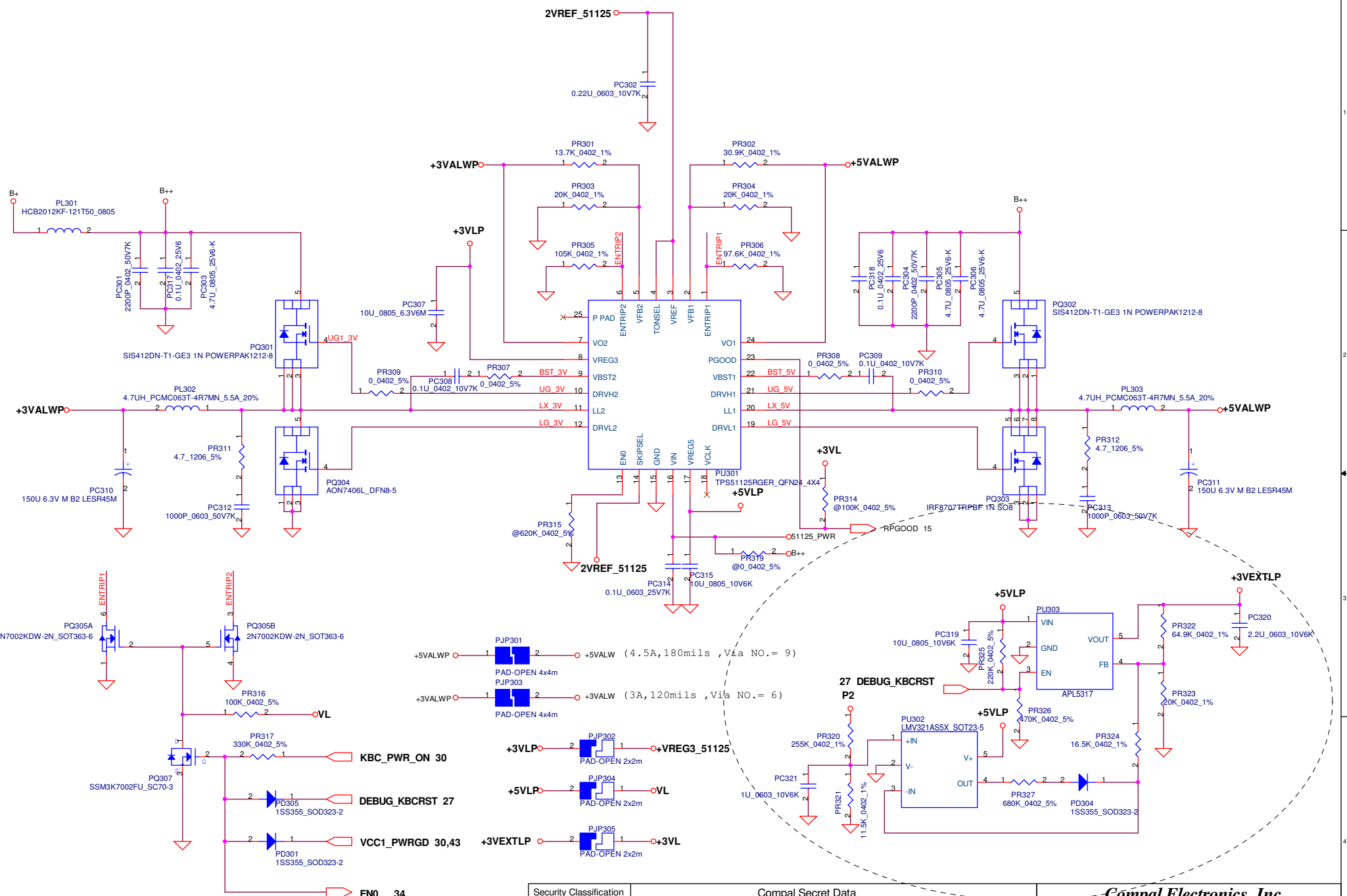


PH1 under CPU bottom side :
CPU thermal protection at 90 $\pm$ 3 degree C
(Need to be checked)



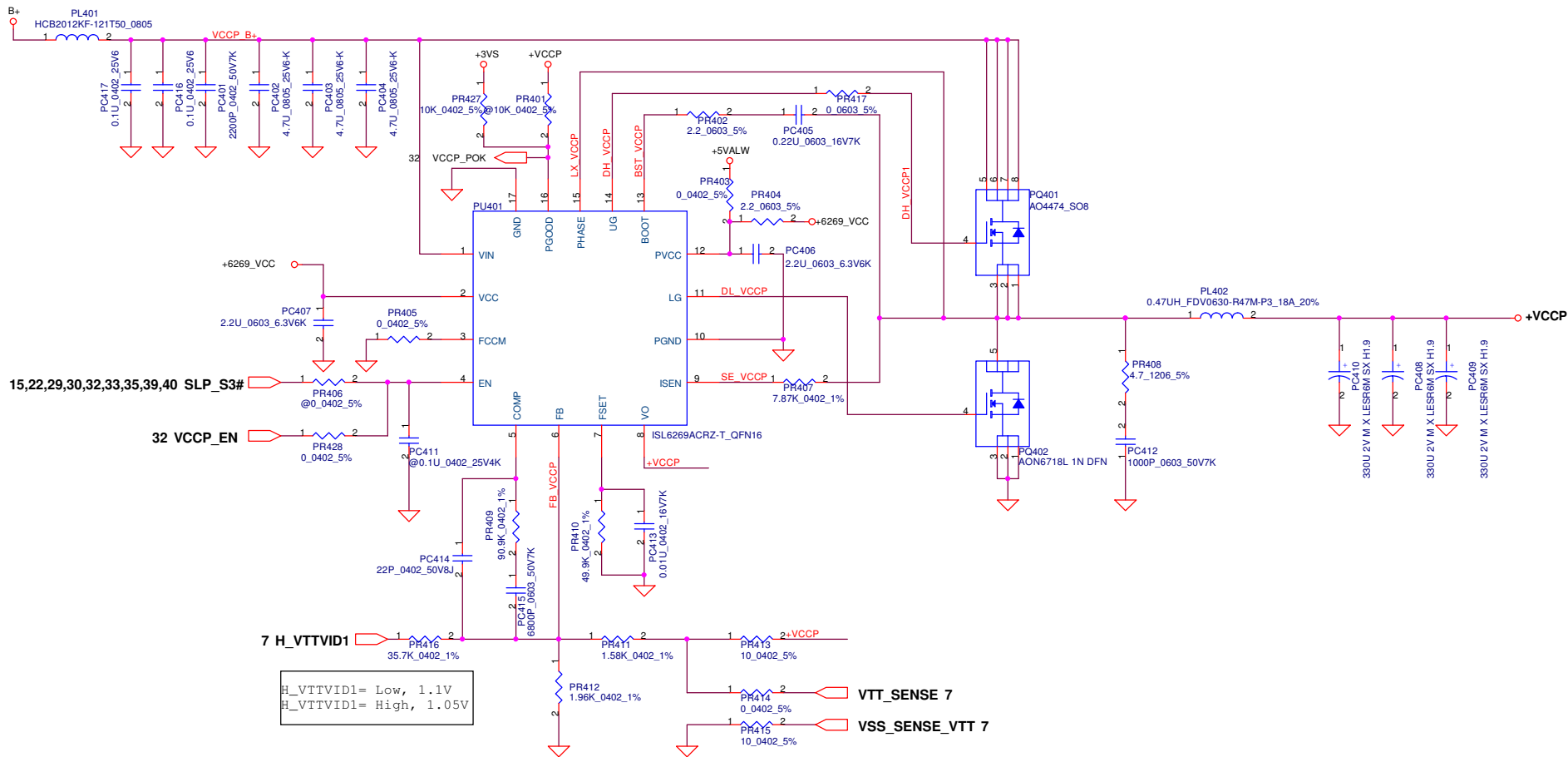
Security Classification		Compal Secret Data		Compal Electronics, Inc.	
Issued Date	2008/10/31	Deciphered Date	2009/10/31	Title	
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BY OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.				DC-IN/ BATTERY CONN	
				Size	Document Number
				Custom	LA-3942P
Date:		Saturday, May 16, 2009		Sheet	34 of 45



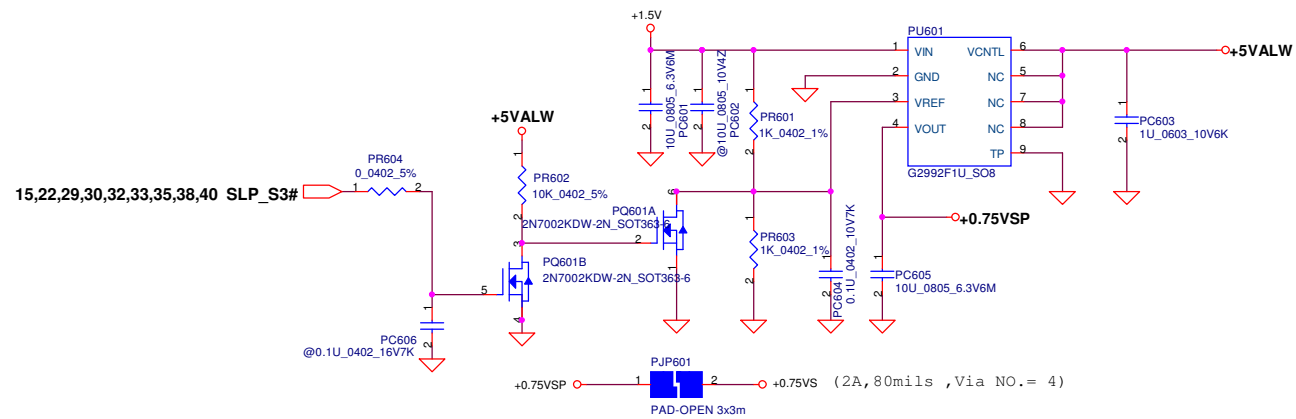


Security Classification		Compal Secret Data		Title	
Issued Date	2008/10/31	Deciphered Date	2009/10/31	3.3VALWP/5VALWP	
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BY OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.				Size Custom	Document Number LA-3942P
				Date: Saturday, May 16, 2009	Rev 0.1
				Sheet 37 of 45	

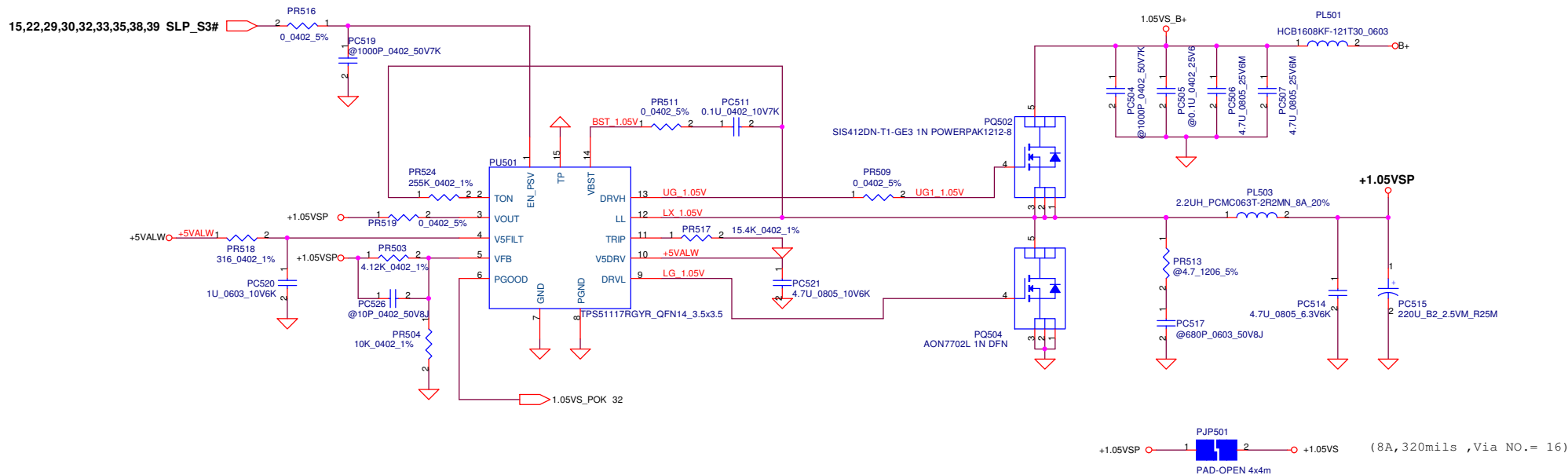
Compal Electronics, Inc.



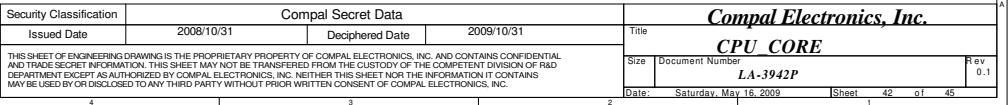
Security Classification				Compal Secret Data				Compal Electronics, Inc.			
Issued Date				2008/10/31				Deciphered Date			
2008/10/31				2009/10/31				Title			
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BY OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.				1.05V_VCCP				Size			
								Document Number			
								LA-3942P			
								Rev			
								0.1			
								Date			
								Saturday, May 16, 2009			
								Sheet			
								38 of 45			

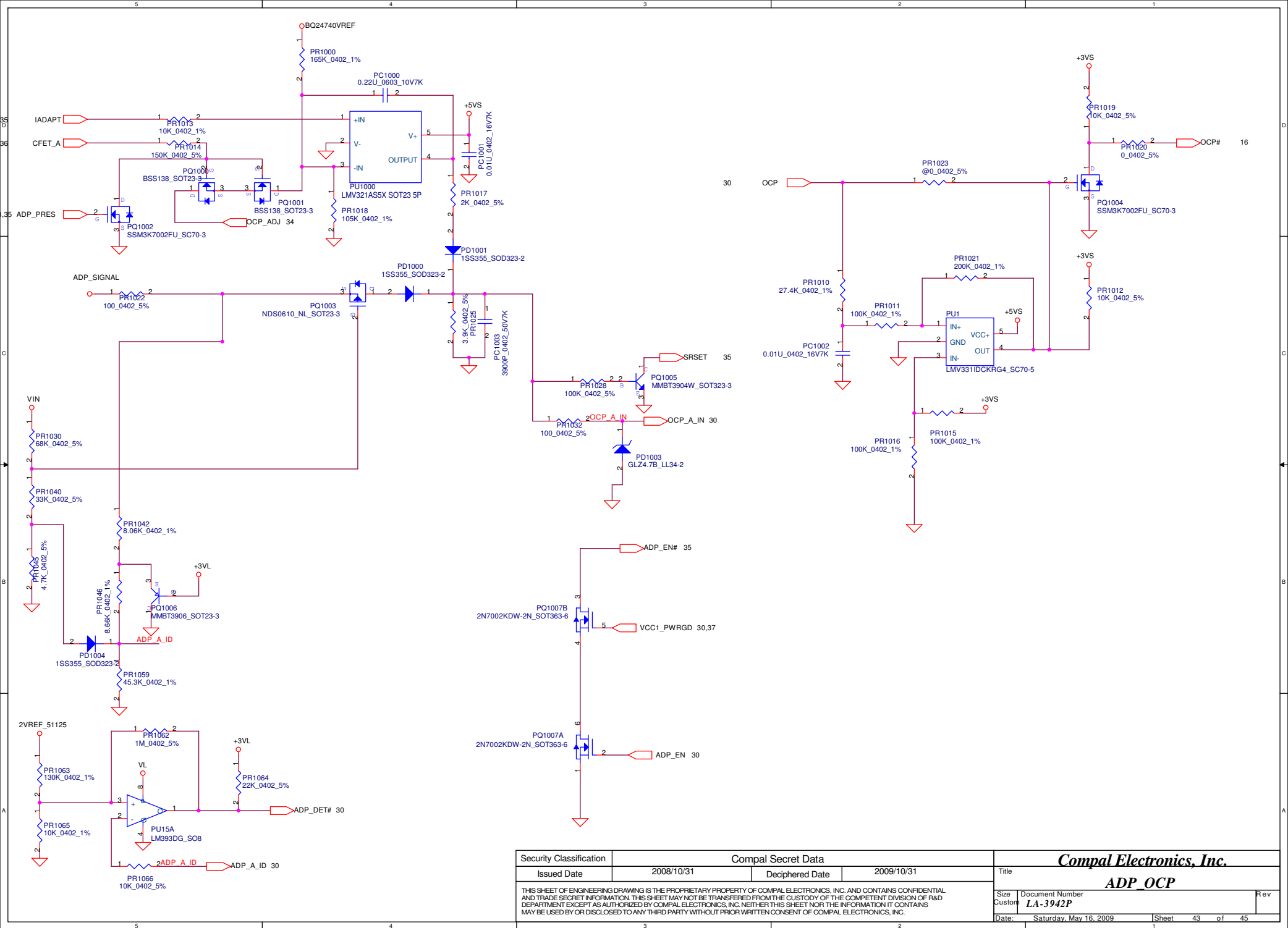


Security Classification		Compal Secret Data		Compal Electronics, Inc.	
Issued Date	2008/10/31	Deciphered Date	2009/10/31	Title	0.75VSP
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BY OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.				Size	Document Number
					LA-3942P
				Date:	Saturday, May 16, 2009
				Sheet	39 of 45
				Rev	0.1

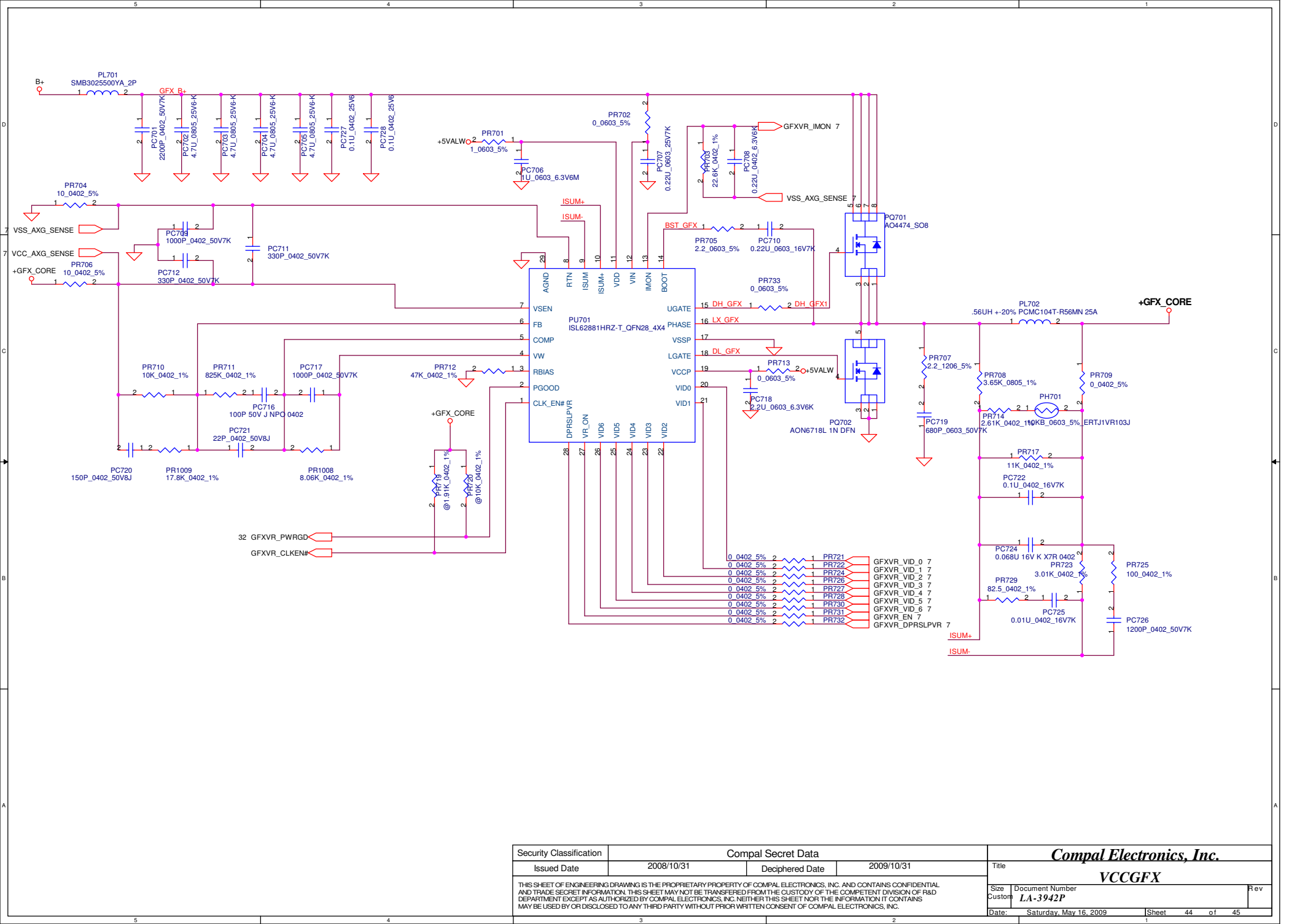


Security Classification		Compal Secret Data		Compal Electronics, Inc.	
Issued Date	2008/10/31	Deciphered Date	2009/10/31	Title	
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BY OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.				1.05VSP	
Size		Document Number			Rev
		LA-3942P			0.1
Date:		Saturday, May 16, 2009		Sheet	40 of 45





Security Classification		Compal Secret Data		Compal Electronics, Inc.	
Issued Date	2008/10/31	Deciphered Date	2009/10/31	Title	
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BY OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.				ADP_OCP	
Size	Custom	Document Number	LA-3942P	Rev	
Date:	Saturday, May 16, 2009	Sheet	43	of 45	



Item	Reason for change	PG#	Modify List	Date	Phase
1					
2					
3					
4					
5					
6					
7					