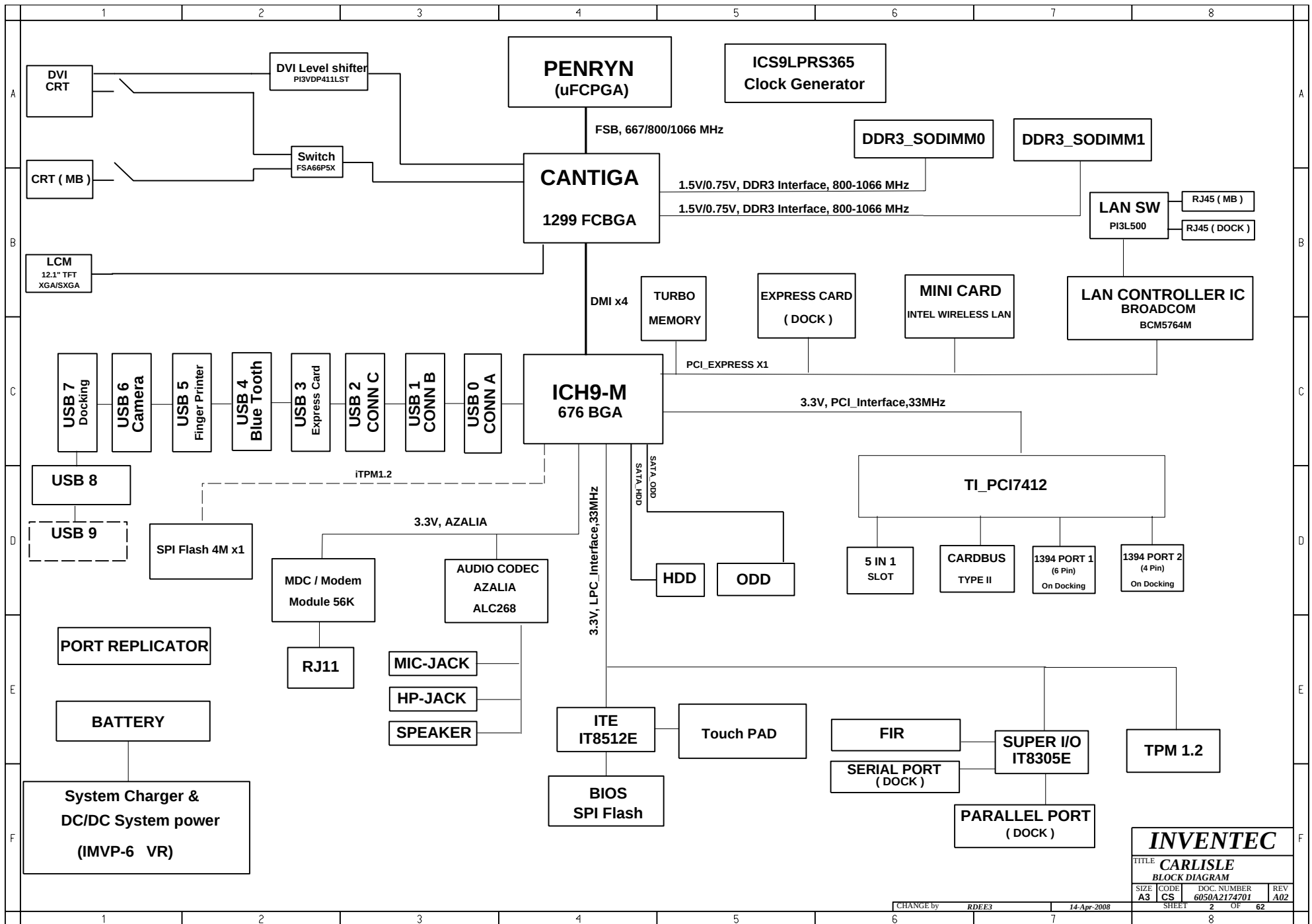


CARLISLE CS3 Bulid

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2	SYSTEM BLOCK DIAGRAM	28	LCD CONNECTOR I/F	54	FINGERPRINT BOARD
3	POWER BLOCK DIAGRAM	29	BLANK	55	SIM CARD BOARD
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DATE	CHANGE NO.	REV

	EE	DATE	POWER	DATE	INVENTEC			
DRAWER								
DESIGN					TITLE			
CHECK								
RESPONSIBLE								
SIZE = 3					VER :			
FILE NAME : XXXX-XXXXXX-XX					SIZE	CODE	DOC. NUMBER	REV
P/N : XXXXXXXXXXXX					A3	CS	6050A2174701	A02
					SHEET 1 OF 62			



INVENTEC

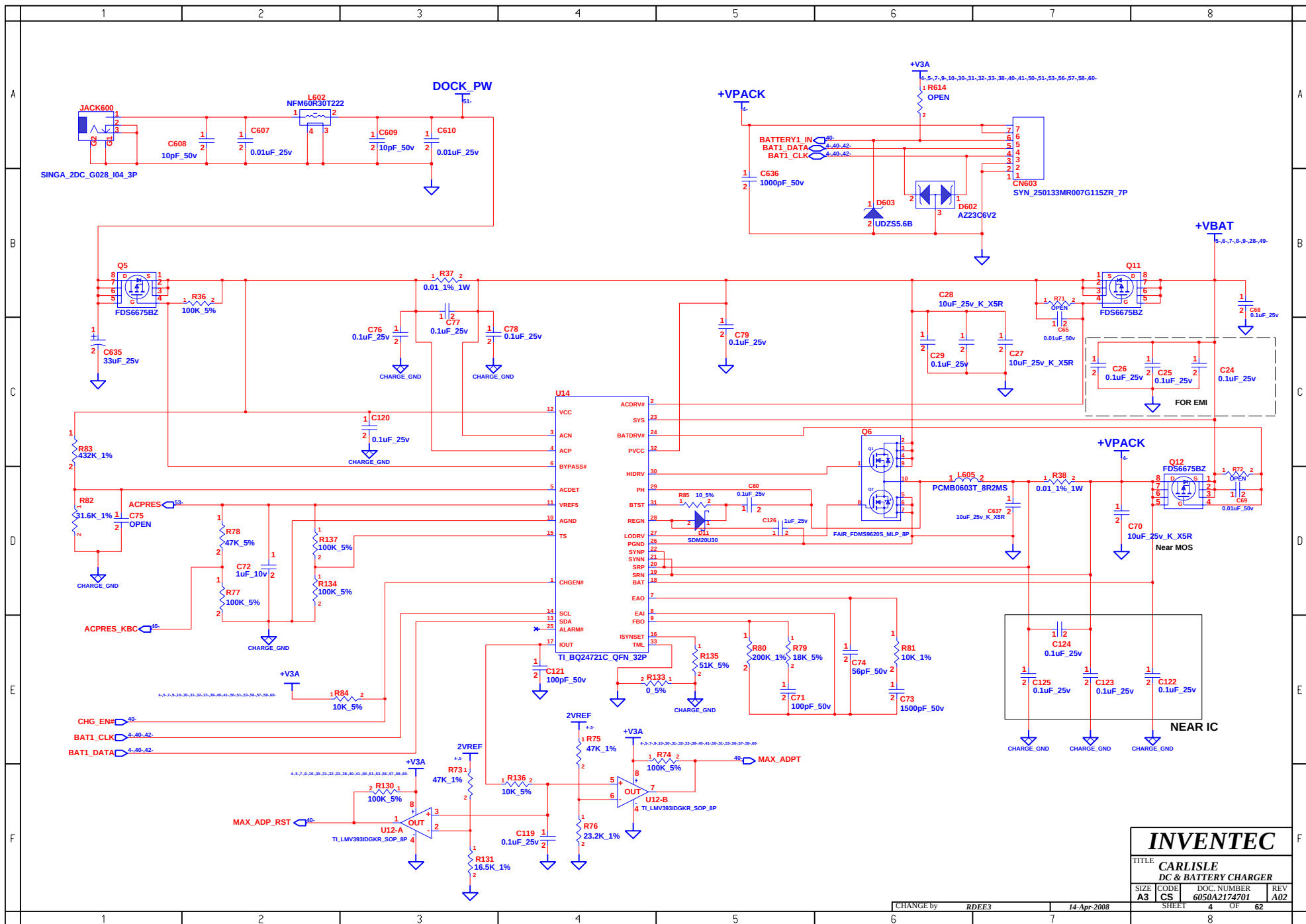
TITLE **CARLISLE**
BLOCK DIAGRAM

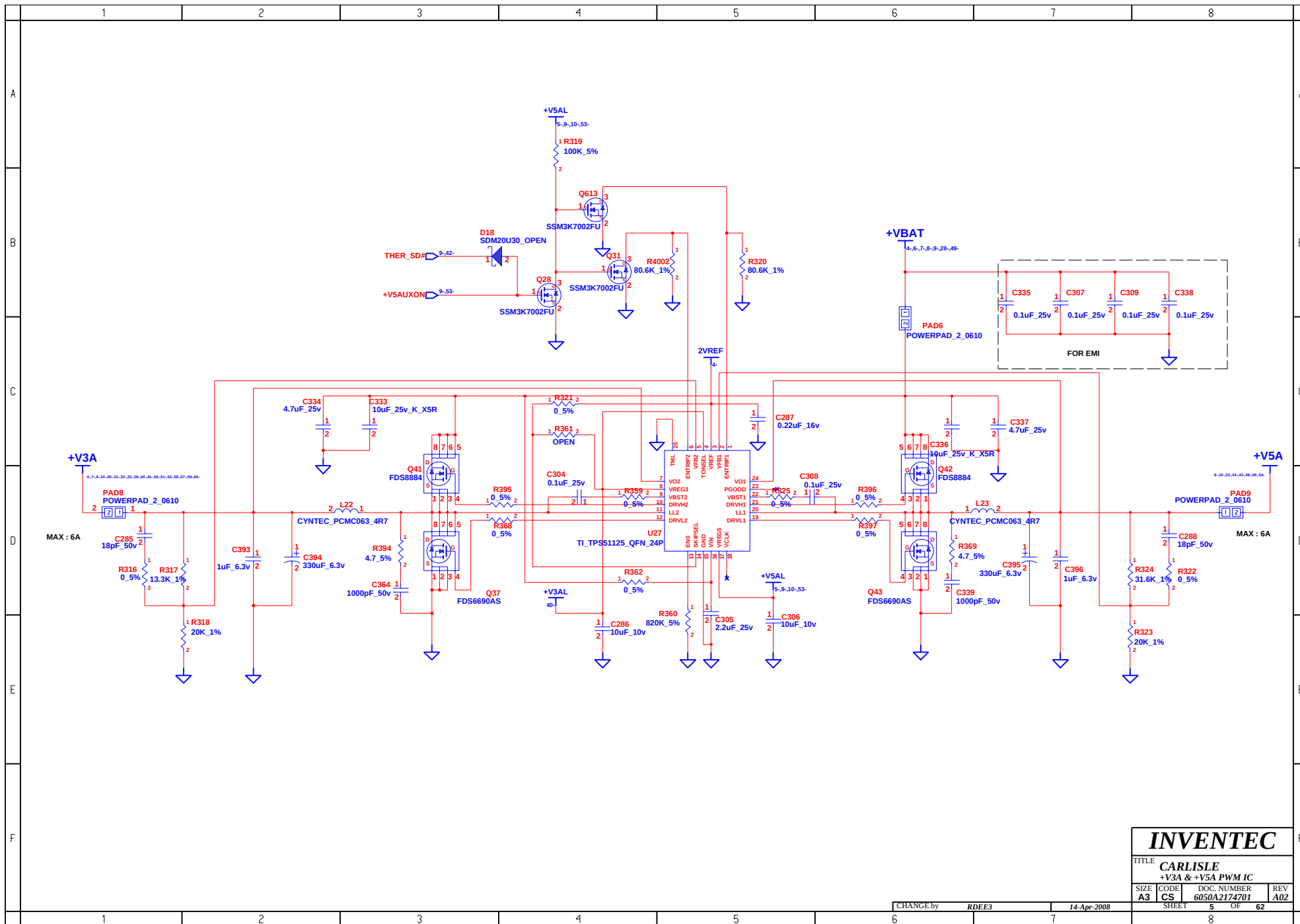
SIZE A3	CODE CS	DOC. NUMBER 6050A2174701	REV A02
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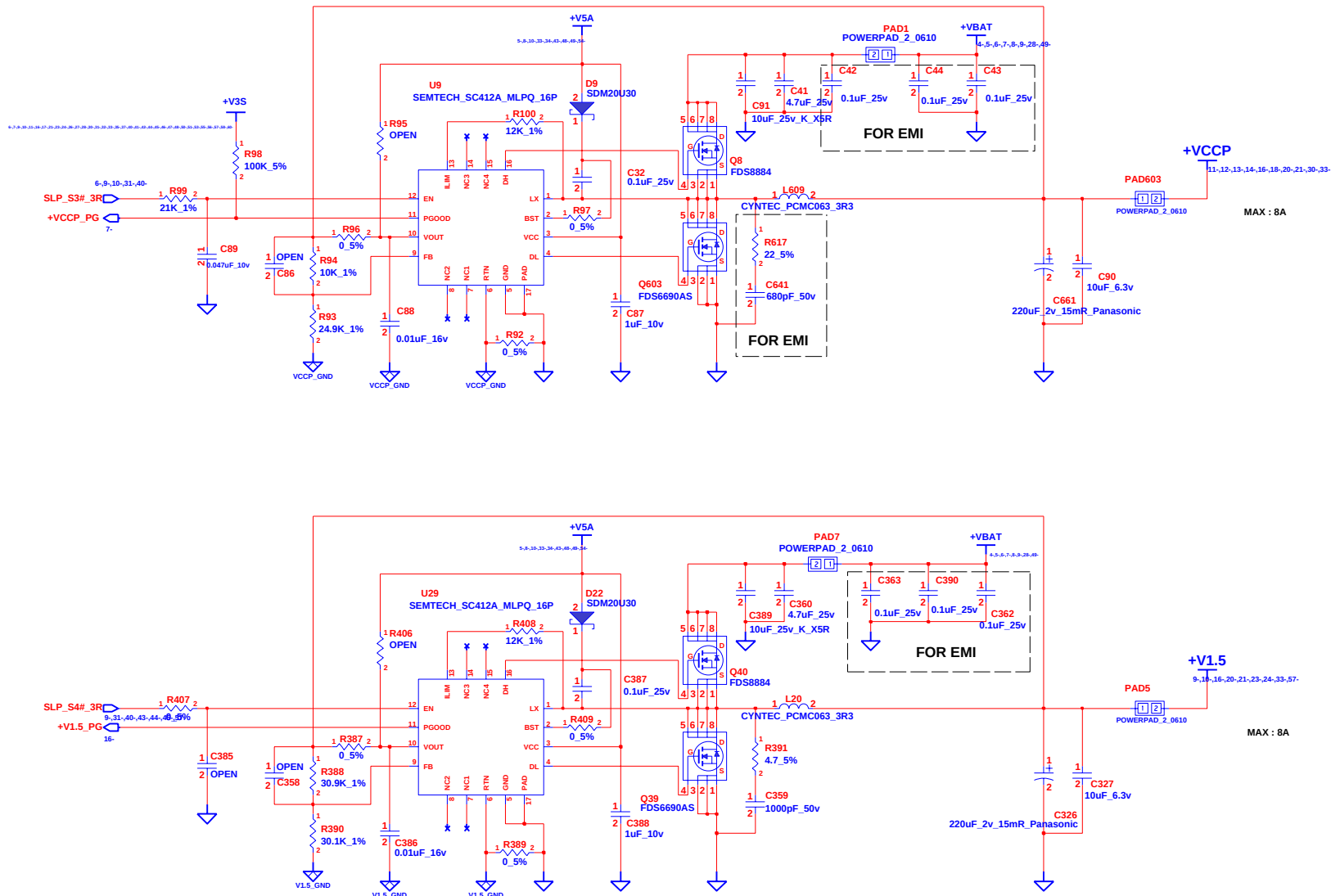
CHANGE by **RDEE3** 14-Apr-2008

SHEET 2 OF 62









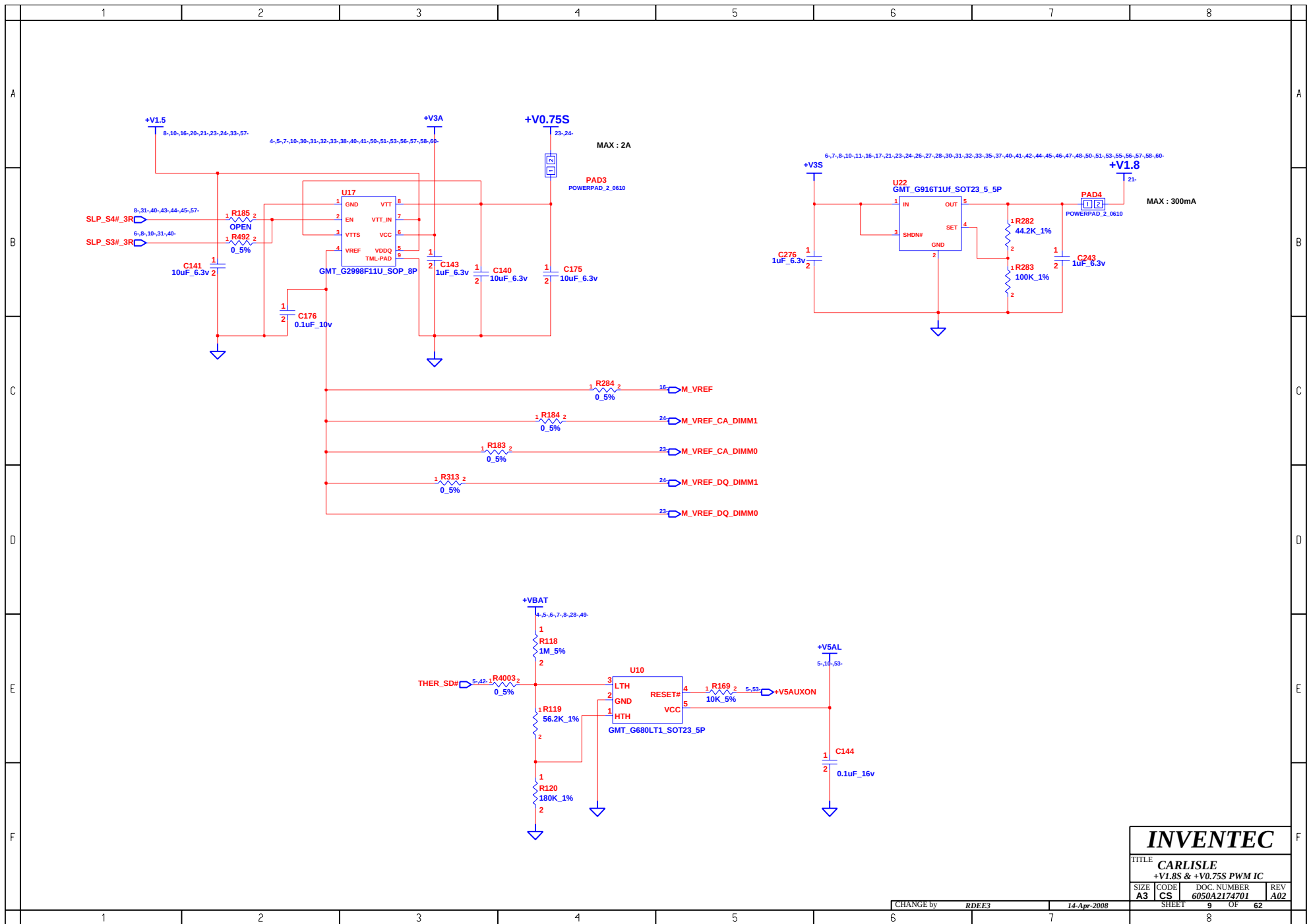
INVENTEC

TITLE
CARLISLE
+VCCP & +V1.5 PWM IC

SIZE A3	CODE CS	DOC. NUMBER 6050A2174701	REV A02
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CHANGE by **RDEE3** 14-Apr-2008

SHEET 8 OF 62

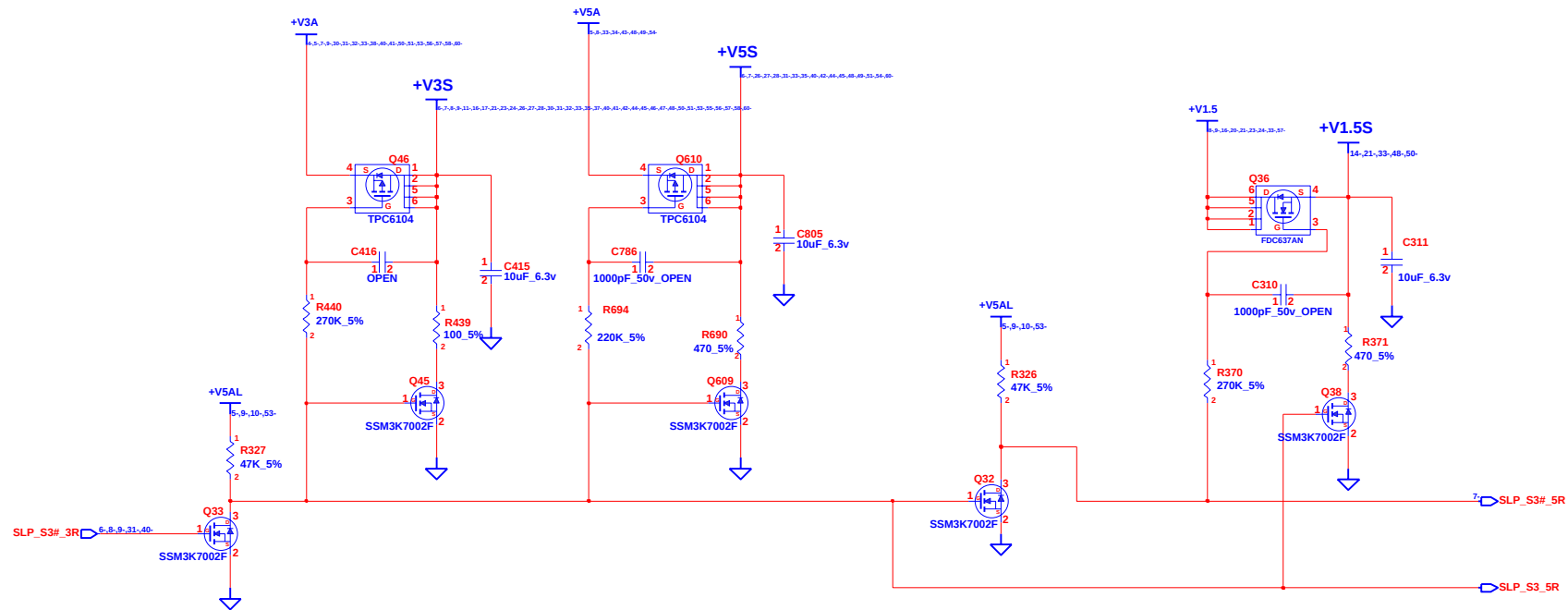


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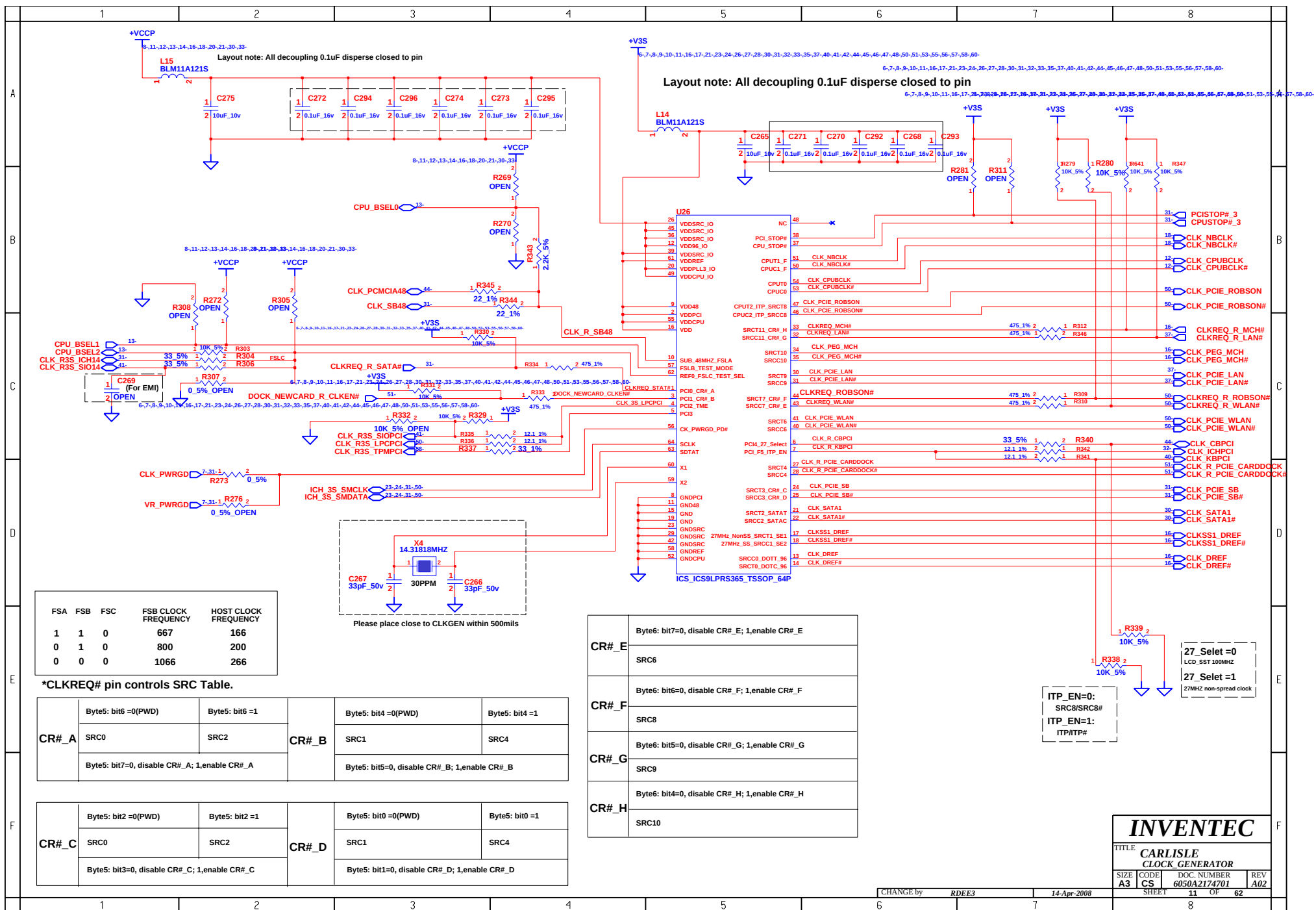
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CARLISLE			
+V1.8S & +V0.75S PWM IC			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	6050A2174701	A02

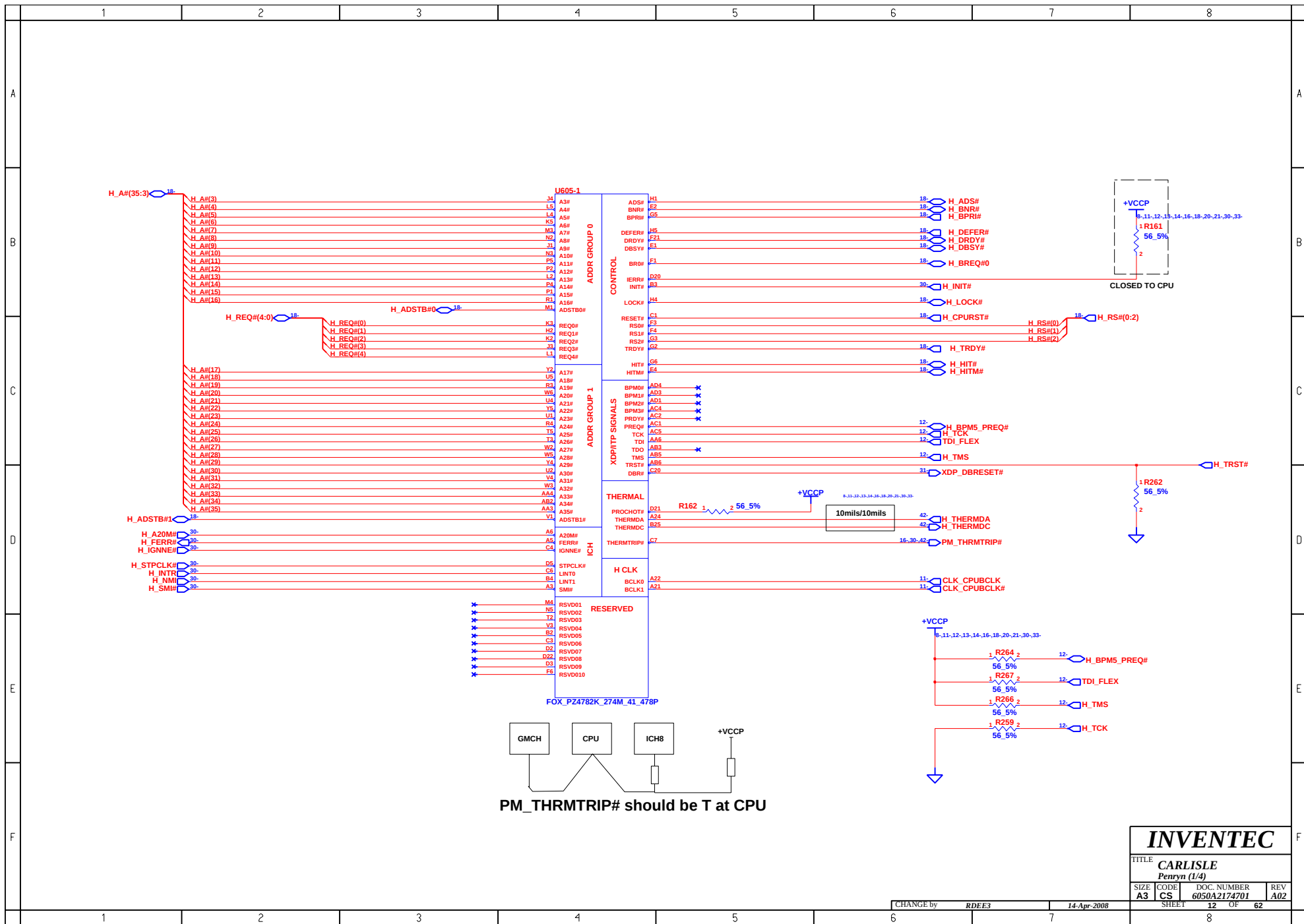
CHANGE by RDEE3 14-Apr-2008

SHEET 9 OF 62



INVENTEC			
TITLE			
CARLISLE			
+V3S & +V5S & +V1.5S POWER			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	6050A2174701	A02
CHANGE by		14-Apr-2008	
RDEE3		SHEET 10 OF 62	





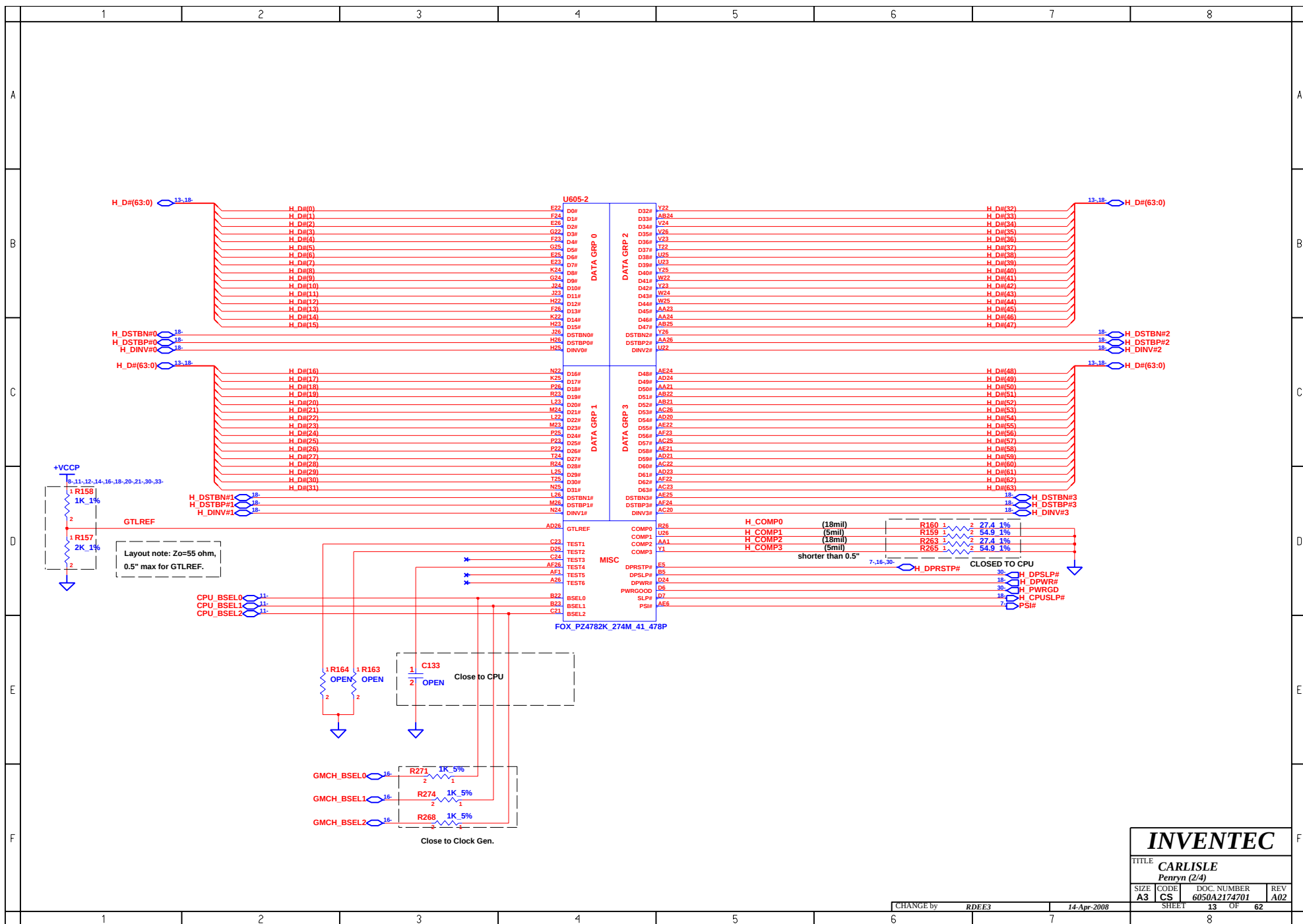
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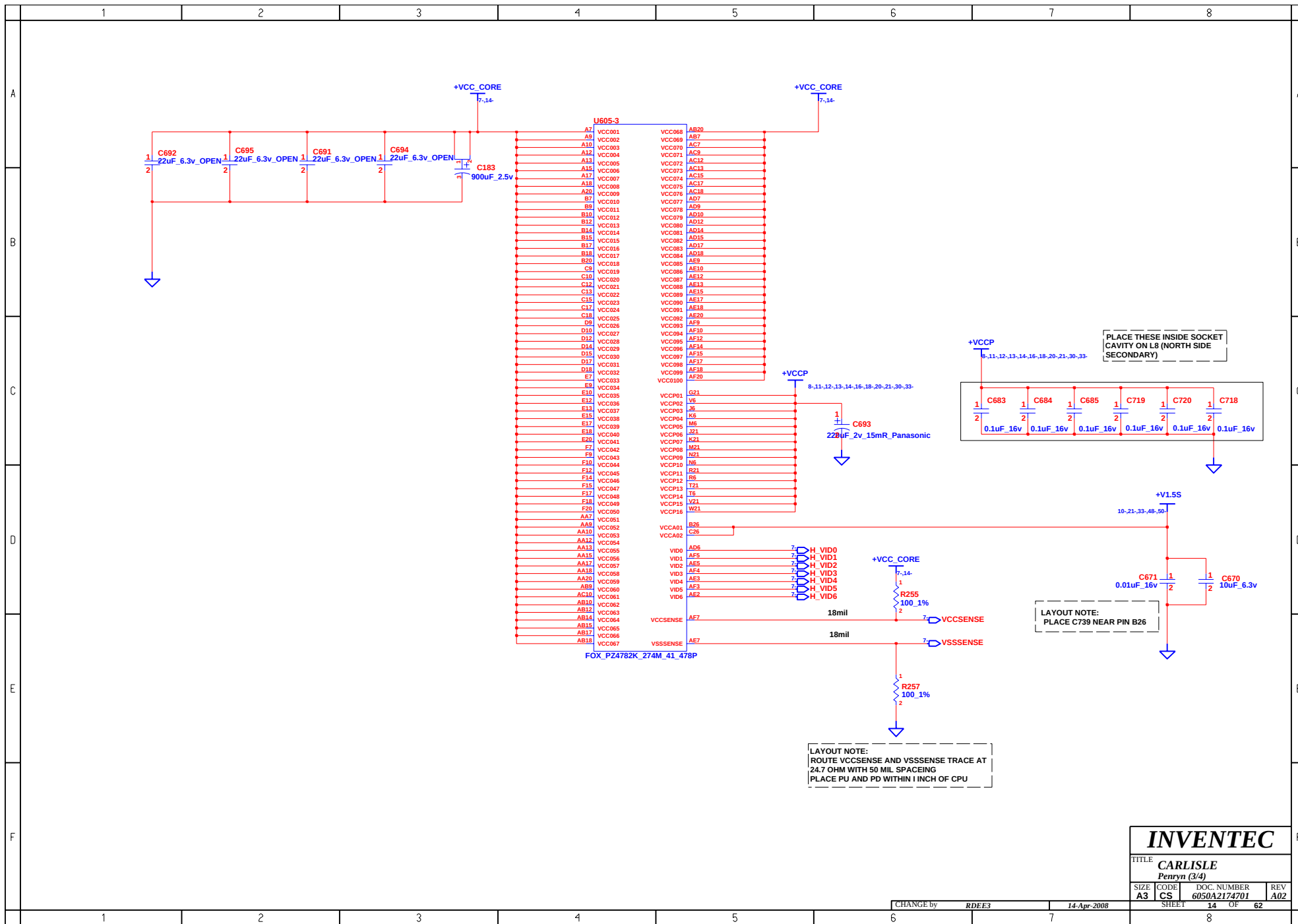
INVENTEC

TITLE			
CARLISLE			
Penryn (1/4)			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	6050A2174701	A02

CHANGE by RDEE3 14-Apr-2008

SHEET 12 OF 62





INVENTEC

TITLE			
CARLISLE			
Penryn (3/4)			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	6050A2174701	A02

CHANGE by RDEE3 14-Apr-2008

SHEET 14 OF 62

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

U605-4

A4

VSS001

A8

VSS002

A11

VSS003

A16

VSS004

A18

VSS005

A19

VSS006

A23

VSS007

A24

VSS008

B6

VSS009

B8

VSS010

B11

VSS011

B13

VSS012

B16

VSS013

B18

VSS014

B21

VSS015

B24

VSS016

C5

VSS017

C8

VSS018

C11

VSS019

C14

VSS020

C16

VSS021

C18

VSS022

C2

VSS023

C22

VSS024

C25

VSS025

D1

VSS026

D4

VSS027

D8

VSS028

D11

VSS029

D13

VSS030

D18

VSS031

D19

VSS032

D23

VSS033

D26

VSS034

E3

VSS035

E6

VSS036

E8

VSS037

E11

VSS038

E14

VSS039

E16

VSS040

E18

VSS041

E21

VSS042

E24

VSS043

F5

VSS044

F8

VSS045

F11

VSS046

F13

VSS047

F16

VSS048

F18

VSS049

F2

VSS050

F22

VSS051

F25

VSS052

G4

VSS053

G11

VSS054

G23

VSS055

G26

VSS056

H5

VSS057

H8

VSS058

H21

VSS059

H24

VSS060

J6

VSS061

J8

VSS062

J22

VSS063

J25

VSS064

K1

VSS065

K4

VSS066

K23

VSS067

K26

VSS068

L3

VSS069

L6

VSS070

L21

VSS071

L24

VSS072

M2

VSS073

M5

VSS074

M22

VSS075

M25

VSS076

N1

VSS077

N4

VSS078

N23

VSS079

N26

VSS080

P3

VSS081

P6

VSS082

P21

VSS083

P24

VSS084

R2

VSS085

R5

VSS086

R22

VSS087

R25

T1

VSS088

T4

VSS089

T11

VSS090

T23

VSS091

T26

U3

VSS092

U6

VSS093

U21

VSS094

U24

VSS095

V2

VSS096

V5

VSS097

V22

V25

VSS098

W1

VSS099

W4

VSS100

W23

W26

VSS101

V3

VSS102

V6

VSS103

V21

VSS104

V24

VSS105

AA2

VSS106

AA5

VSS107

AA8

VSS108

AA11

VSS109

AA14

VSS110

AA16

VSS111

AA19

VSS112

AA22

VSS113

AA25

VSS114

AB1

VSS115

AB4

VSS116

AB8

VSS117

AB11

VSS118

AB13

VSS119

AB16

VSS120

AB19

VSS121

AB23

VSS122

AB26

VSS123

AC3

VSS124

AC6

VSS125

AC8

VSS126

AC11

VSS127

AC14

VSS128

AC16

VSS129

AC19

VSS130

AC21

VSS131

AC24

VSS132

AD2

VSS133

AD5

VSS134

AD8

VSS135

AD11

VSS136

AD13

VSS137

AD16

VSS138

AD19

VSS139

AD22

VSS140

AD25

VSS141

AE1

VSS142

AE4

VSS143

AE8

VSS144

AE11

VSS145

AE14

VSS146

AE16

VSS147

AE19

VSS148

AE23

VSS149

AE26

VSS150

AF6

VSS151

AF8

VSS152

AF11

VSS153

AF13

VSS154

AF16

VSS155

AF19

VSS156

AF21

VSS157

AF25

VSS158

AF25

VSS159

VSS160

VSS161

VSS162

VSS163

FOX_PZ4782K_274M_41_478P

↓

↓

INVENTEC

TITLE

CARLISLE

Penryn (4/4)

SIZE

A3

CODE

CS

DOC. NUMBER

6050A2174701

REV

A02

CHANGE by

RDEE3

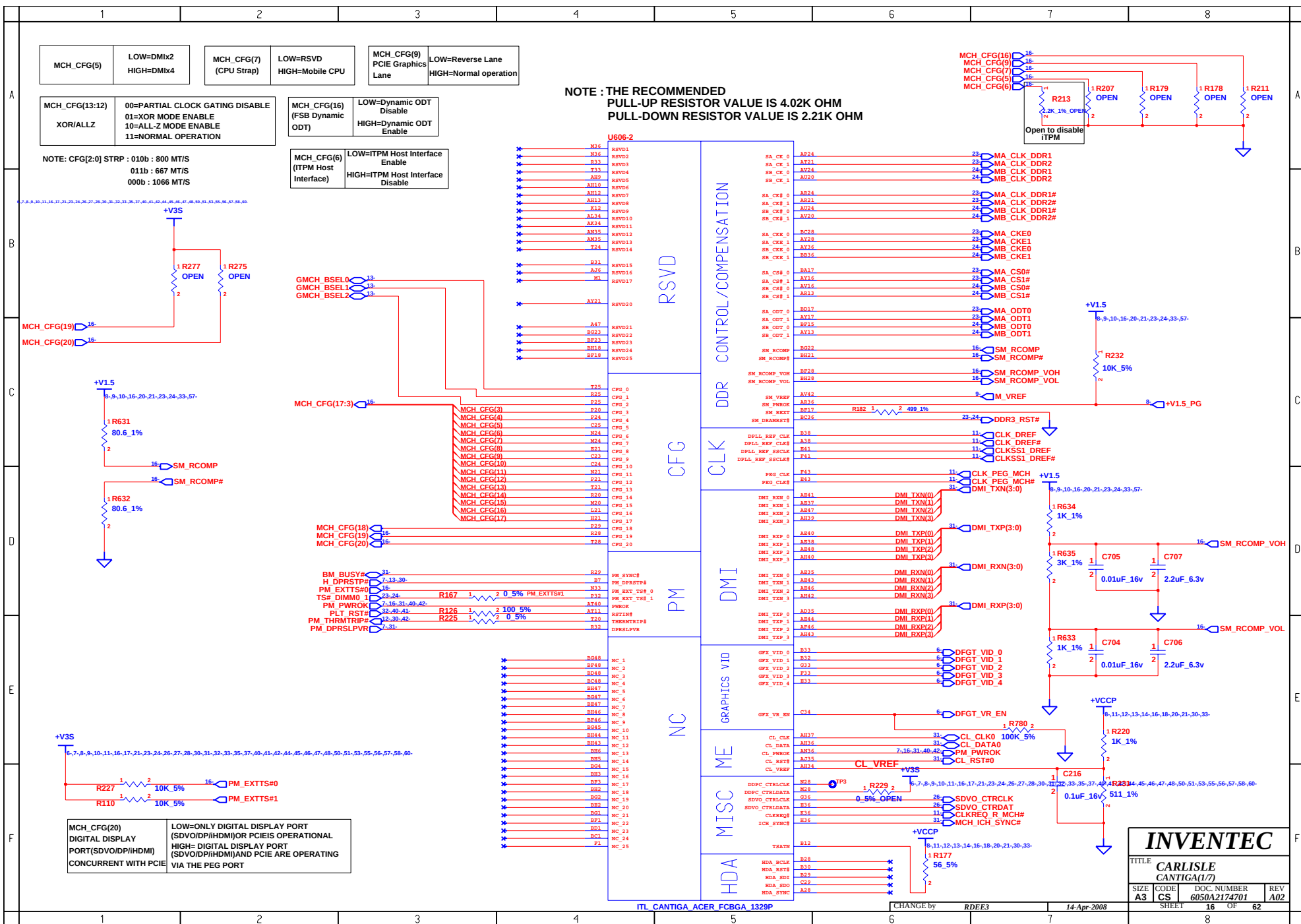
14-Apr-2008

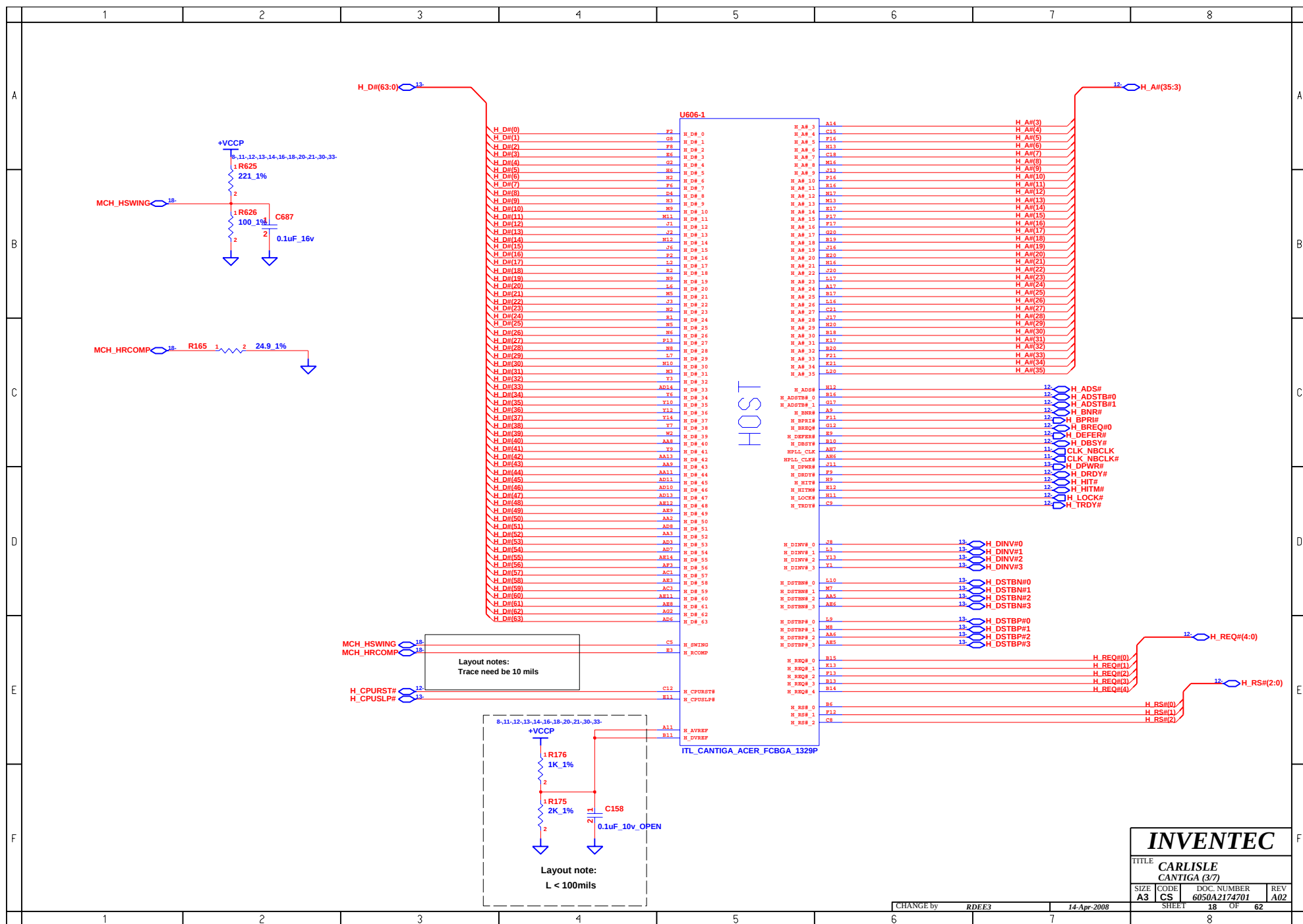
SHEET

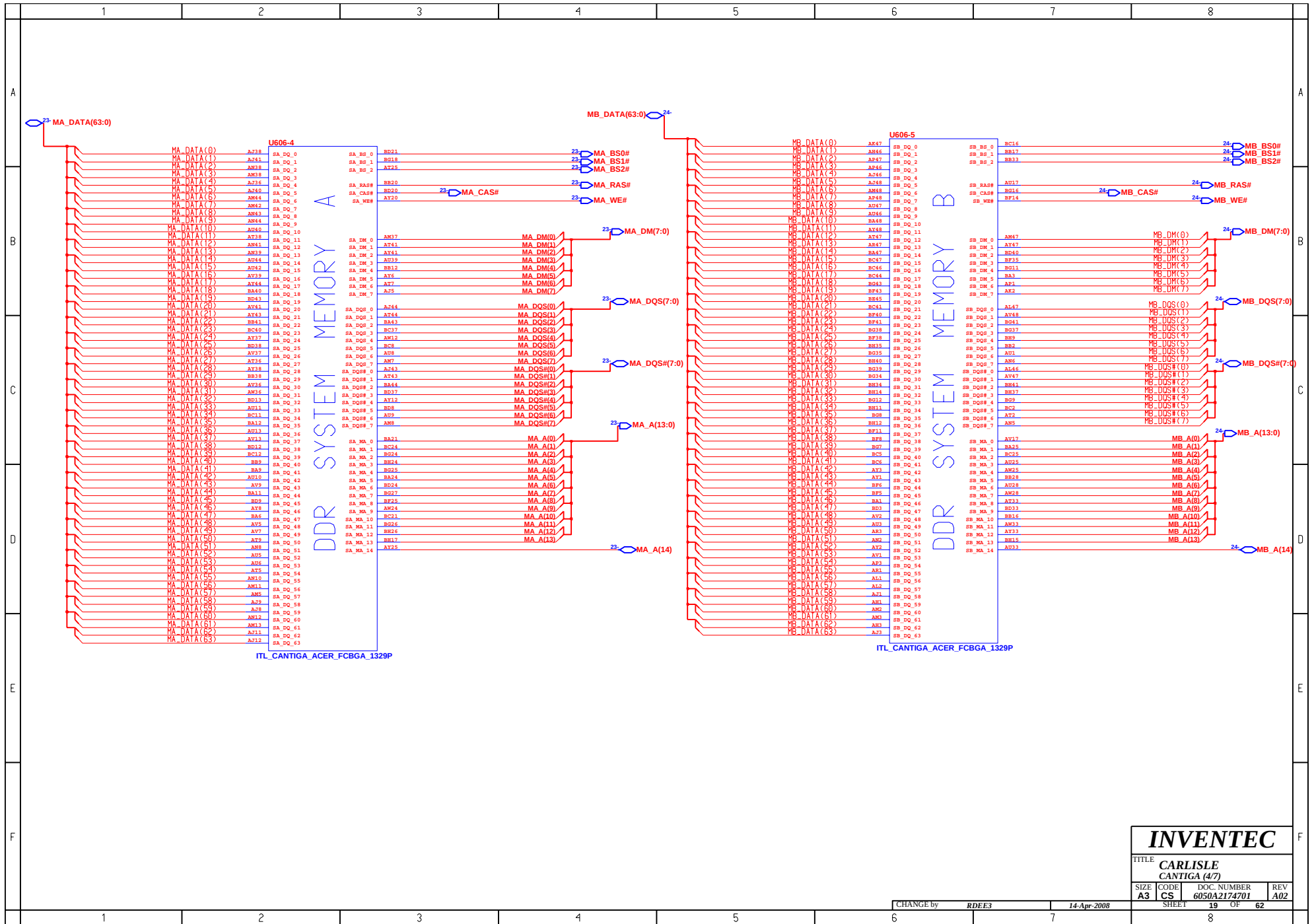
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OF

62

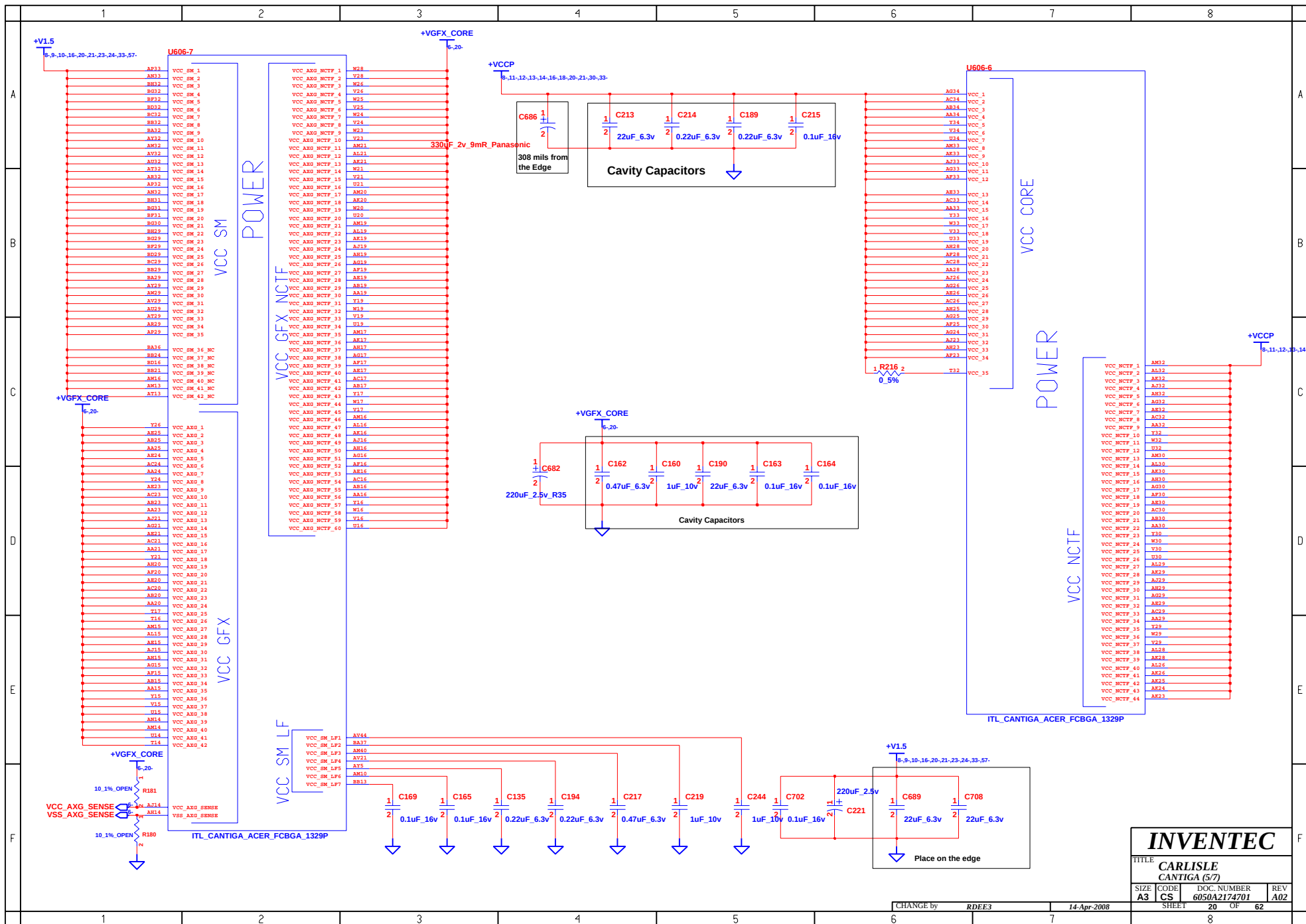




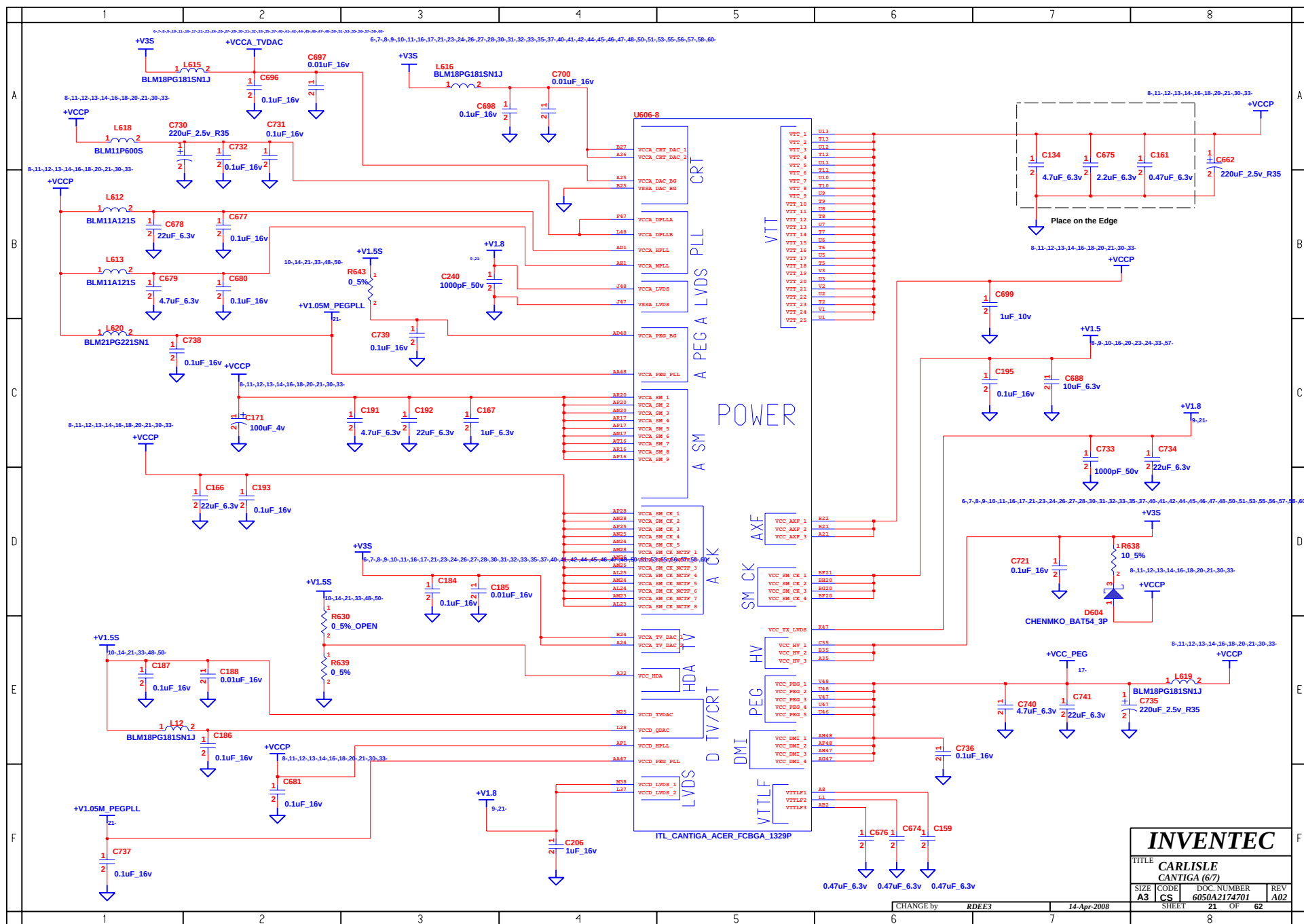


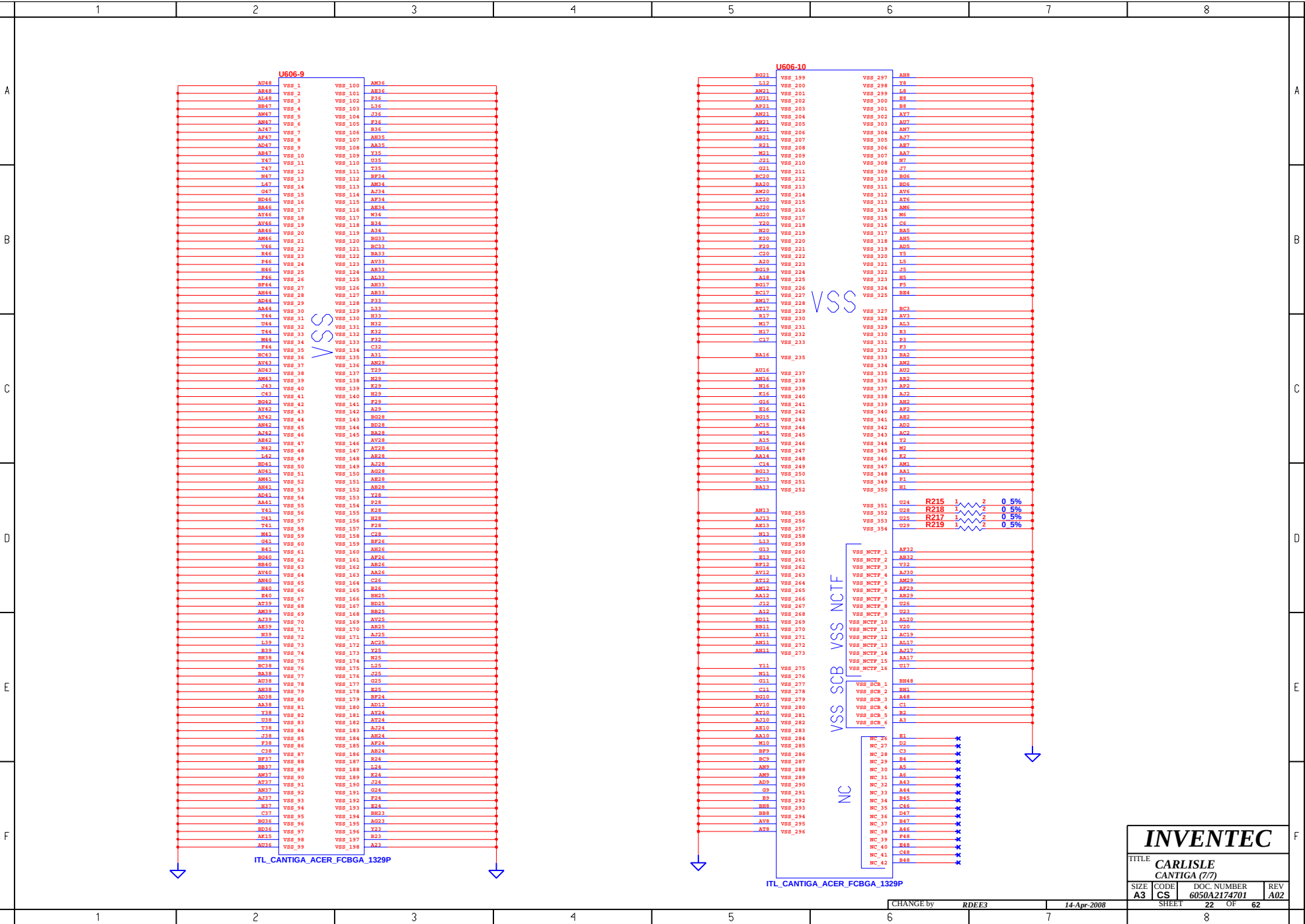
INVENTEC

TITLE CARLISLE CANTIGA (4/7)			
SIZE A3	CODE CS	DOC. NUMBER 6050A2174701	REV A02
CHANGE by RDEE3		14-Apr-2008	
SHEET 19		OF 62	



INVENTEC			
TITLE CARLISLE CANTIGA (5/7)			
SIZE A3	CODE CS	DOC. NUMBER 6050A2174701	REV A02
CHANGE by RDEE3		14-Apr-2008	SHEET 20 OF 62





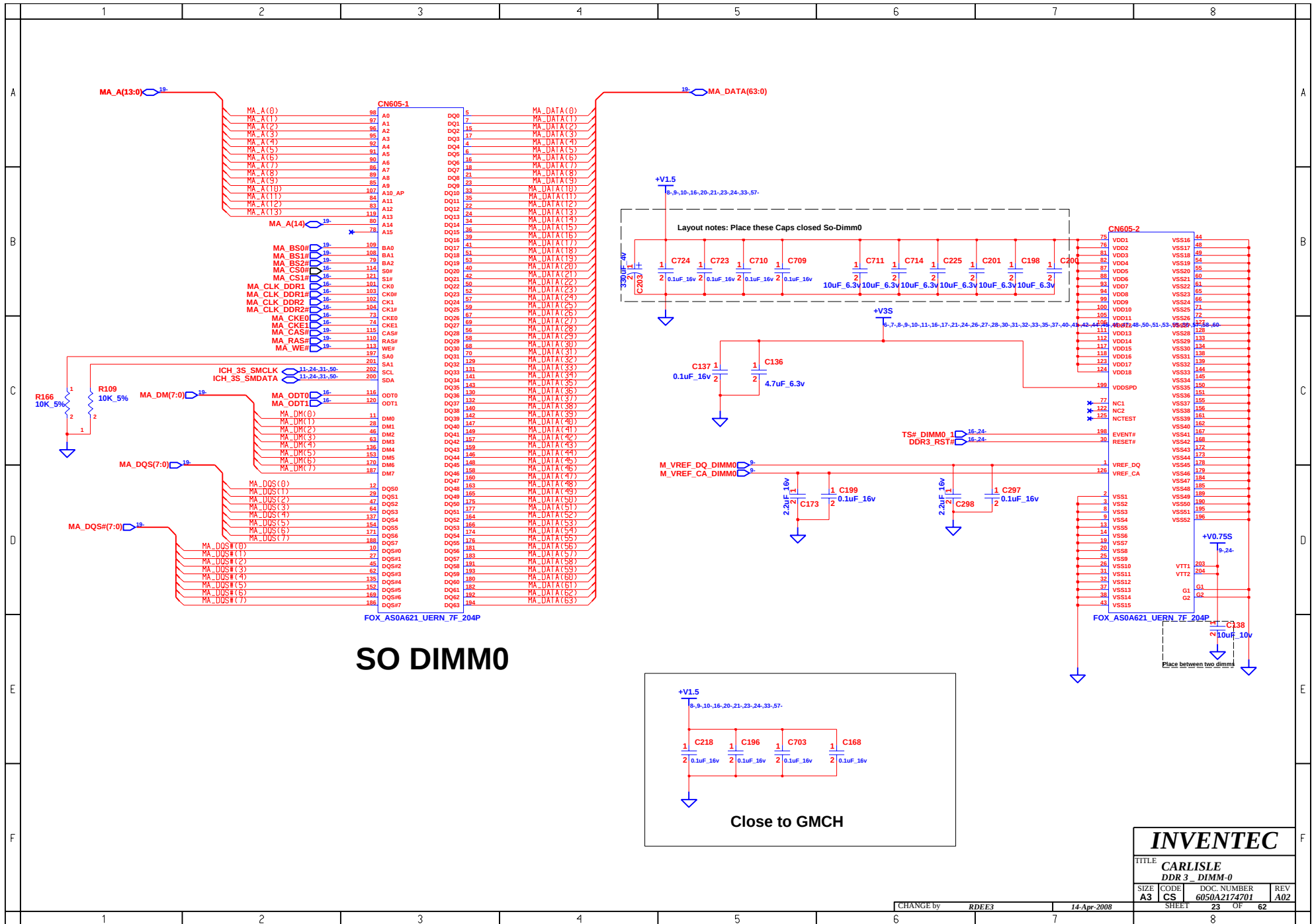
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TITLE
**CARLISLE
CANTIGA (7/7)**

SIZE A3	CODE CS	DOC. NUMBER 6050A2174701	REV A02
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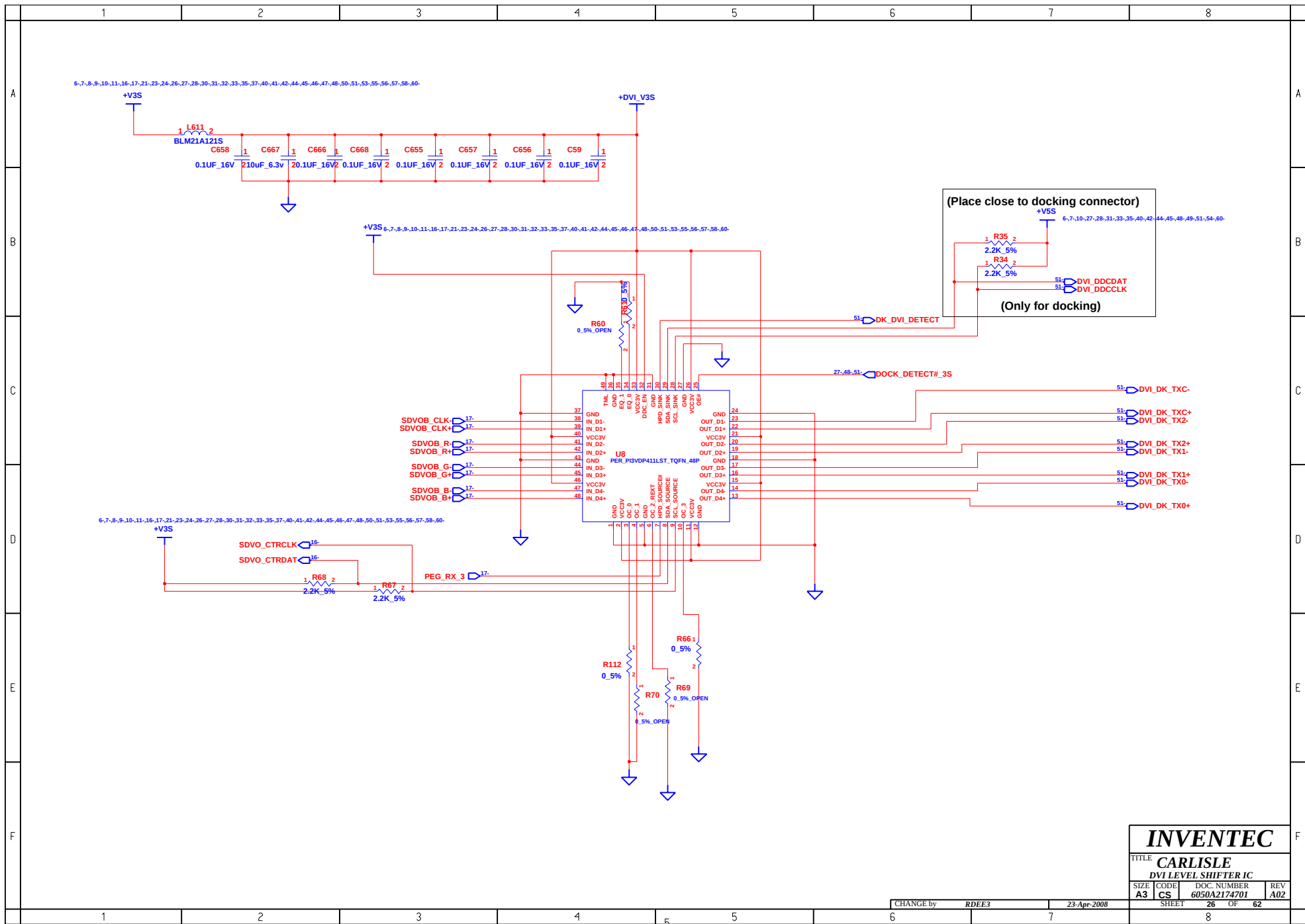
CHANGE by **RDEE3** 14-Apr-2008

SHEET 22 OF 62



	1	2	3	4	5	6	7	8	
A									A
B									B
C									C
D									D
E									E
F									F
						CHANGE by <i>RDEE3</i>		<i>14-Apr-2008</i>	
1	2	3	4	5	6	7	8		

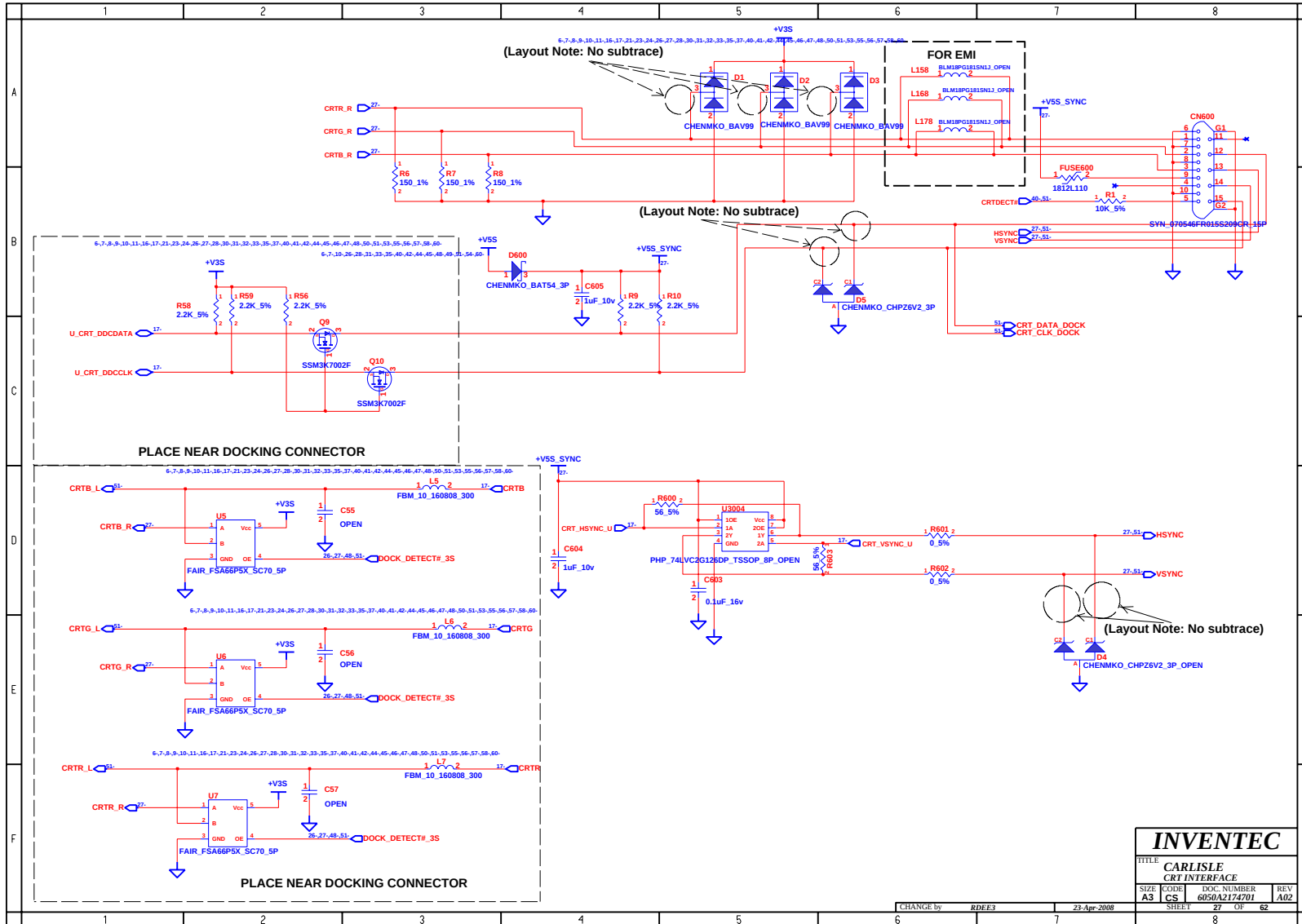
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TITLE <i>CARLISLE</i> <i>DDR II-DAMPING</i>			
SIZE A3	CODE CS	DOC. NUMBER <i>6050A2174701</i>	REV <i>A02</i>
SHEET 25		OF 62	

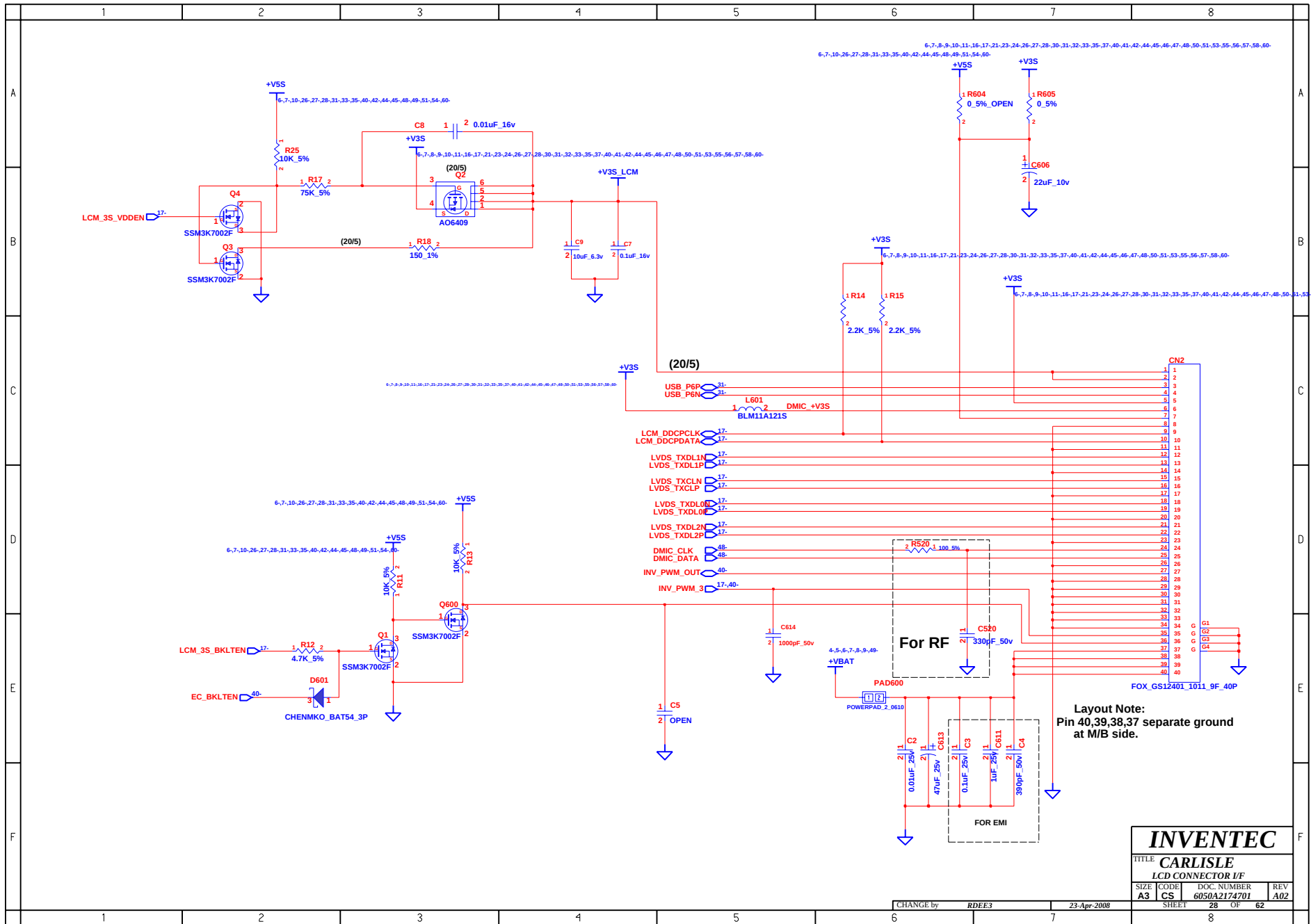


INVENTEC			
TITLE			
CARLISLE			
DVI LEVEL SHIFTER IC			
SIZE	CODE	DOC NUMBER	REV
A3	CS	6050A2174701	A02

CHANGE by RDEE3 23-Apr-2008

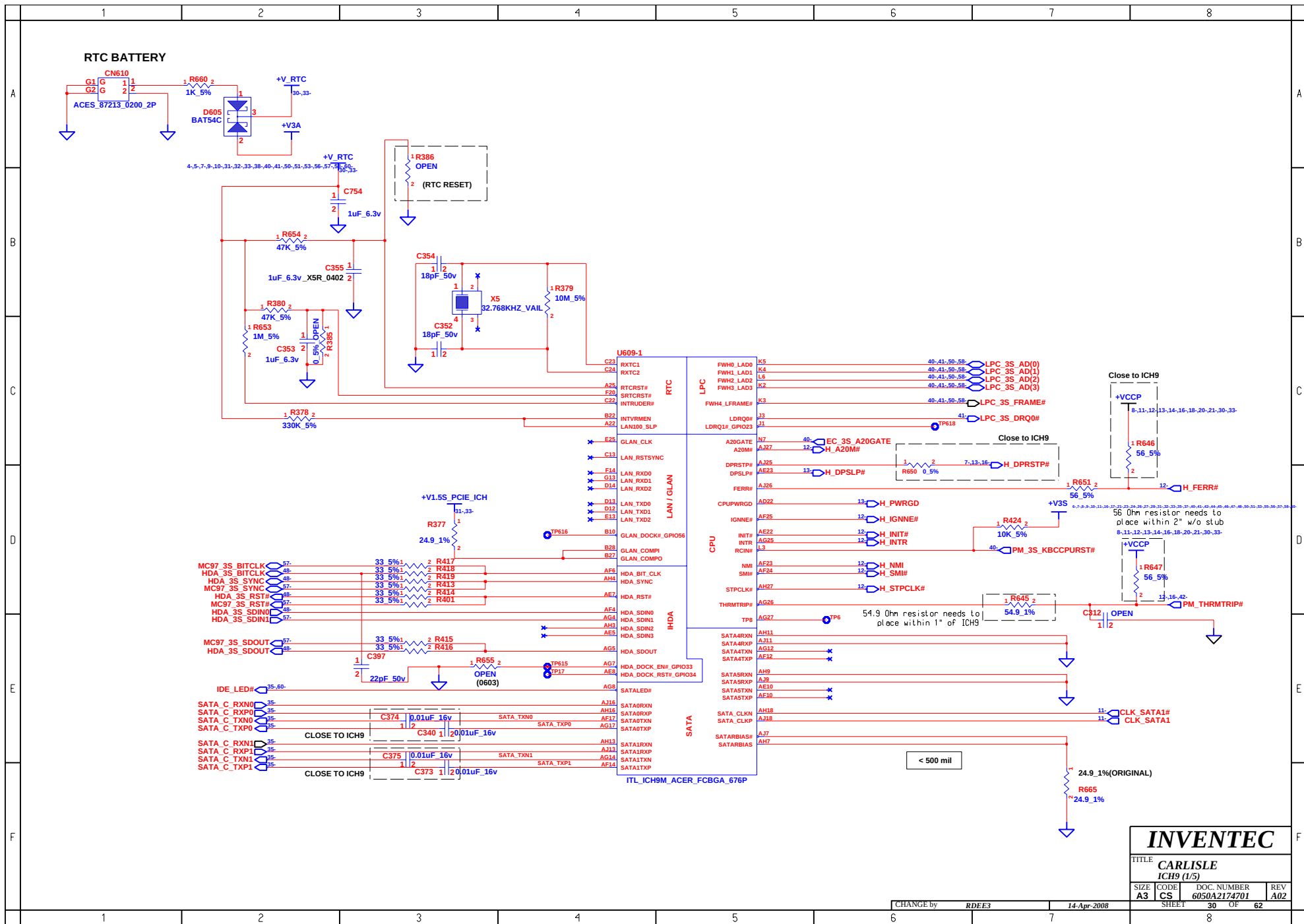
SHEET 26 OF 62





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

INVENTEC			
TITLE CARLISLE TV-OUT SWITCH			
SIZE A3	CODE CS	DOC. NUMBER 6050A2174701	REV A02
CHANGE by RDEE3		14-Apr-2008	
SHEET 29		OF 62	



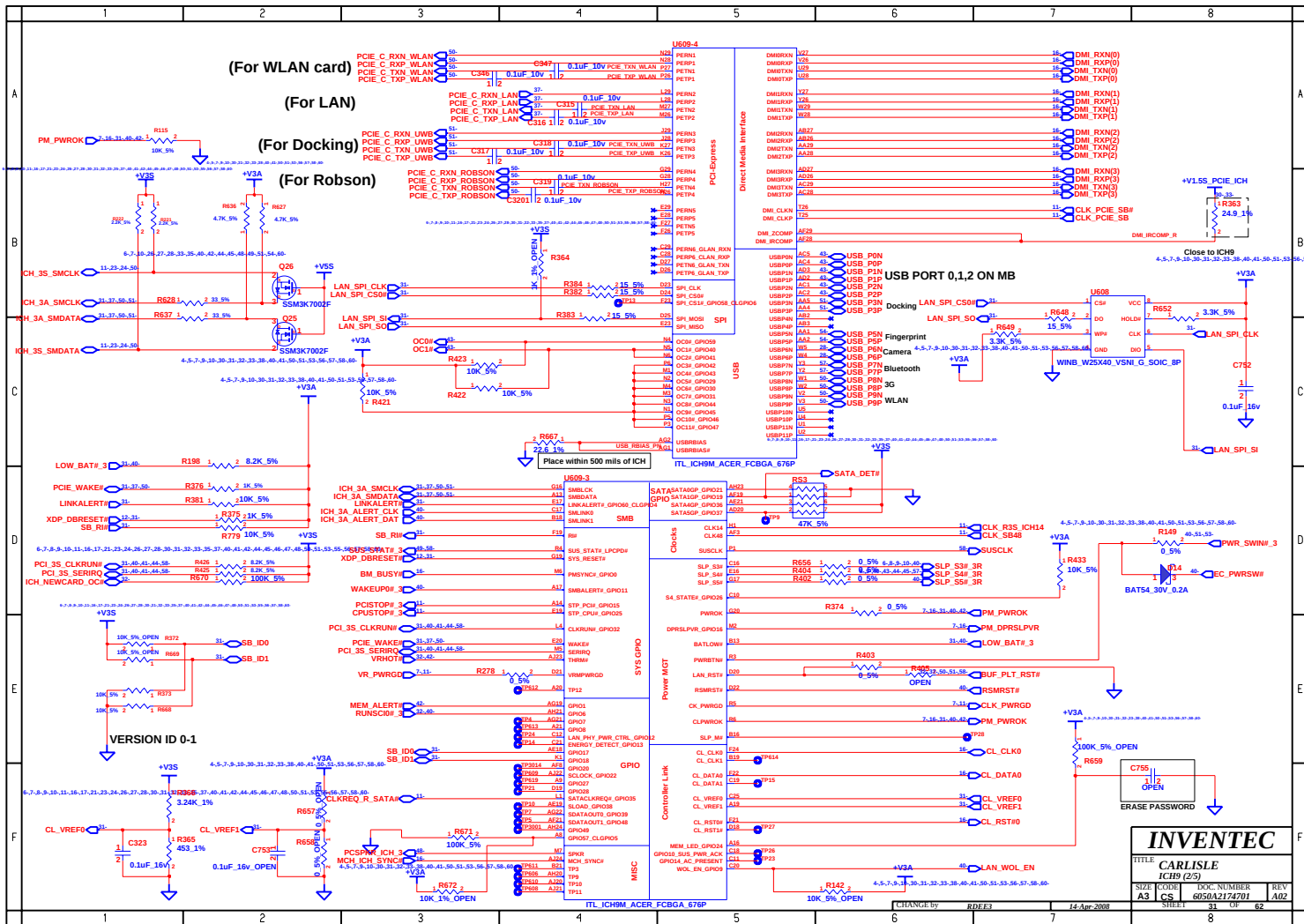
INVENTEC

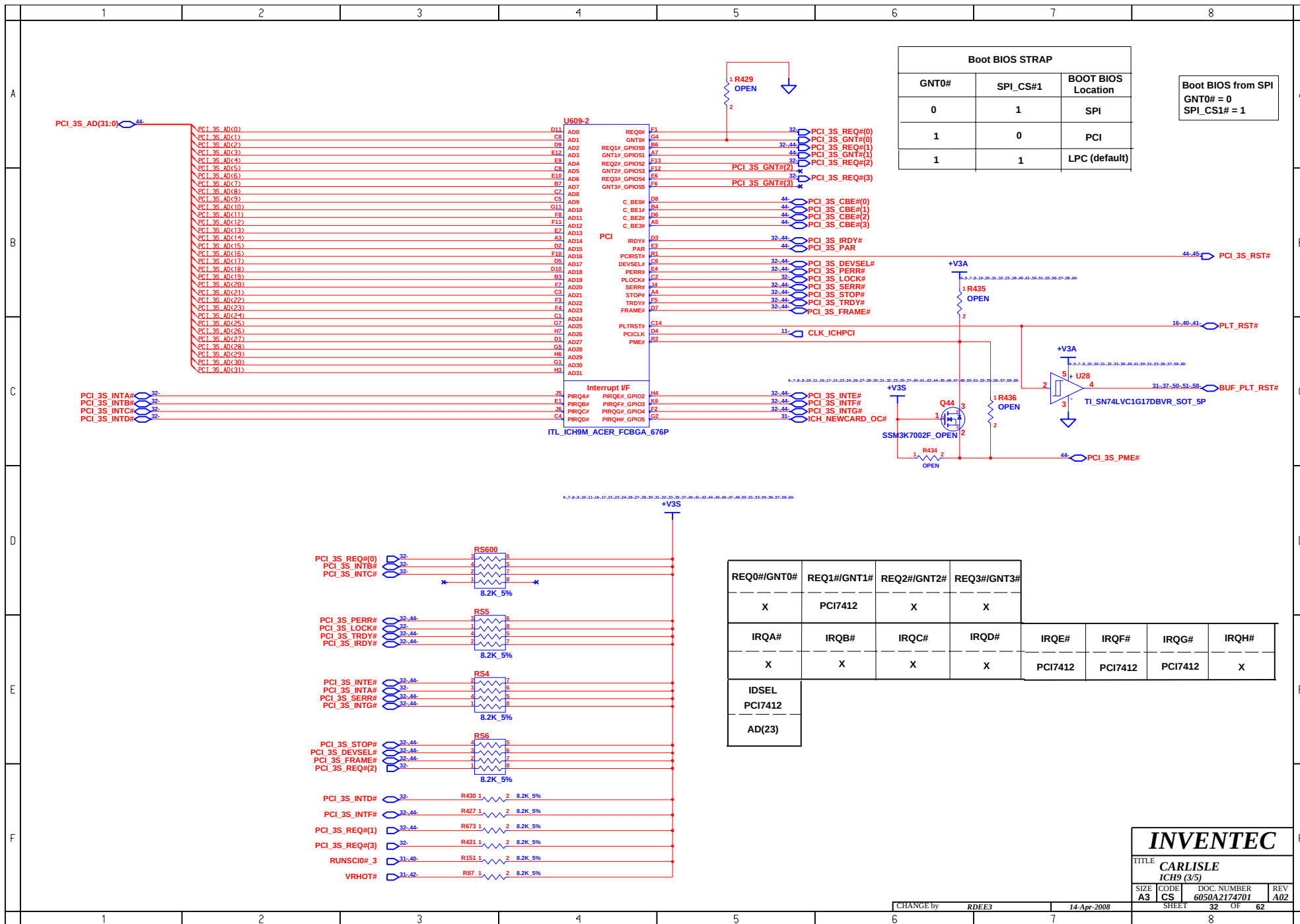
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**CARLISLE
IC9H9 (1/5)**

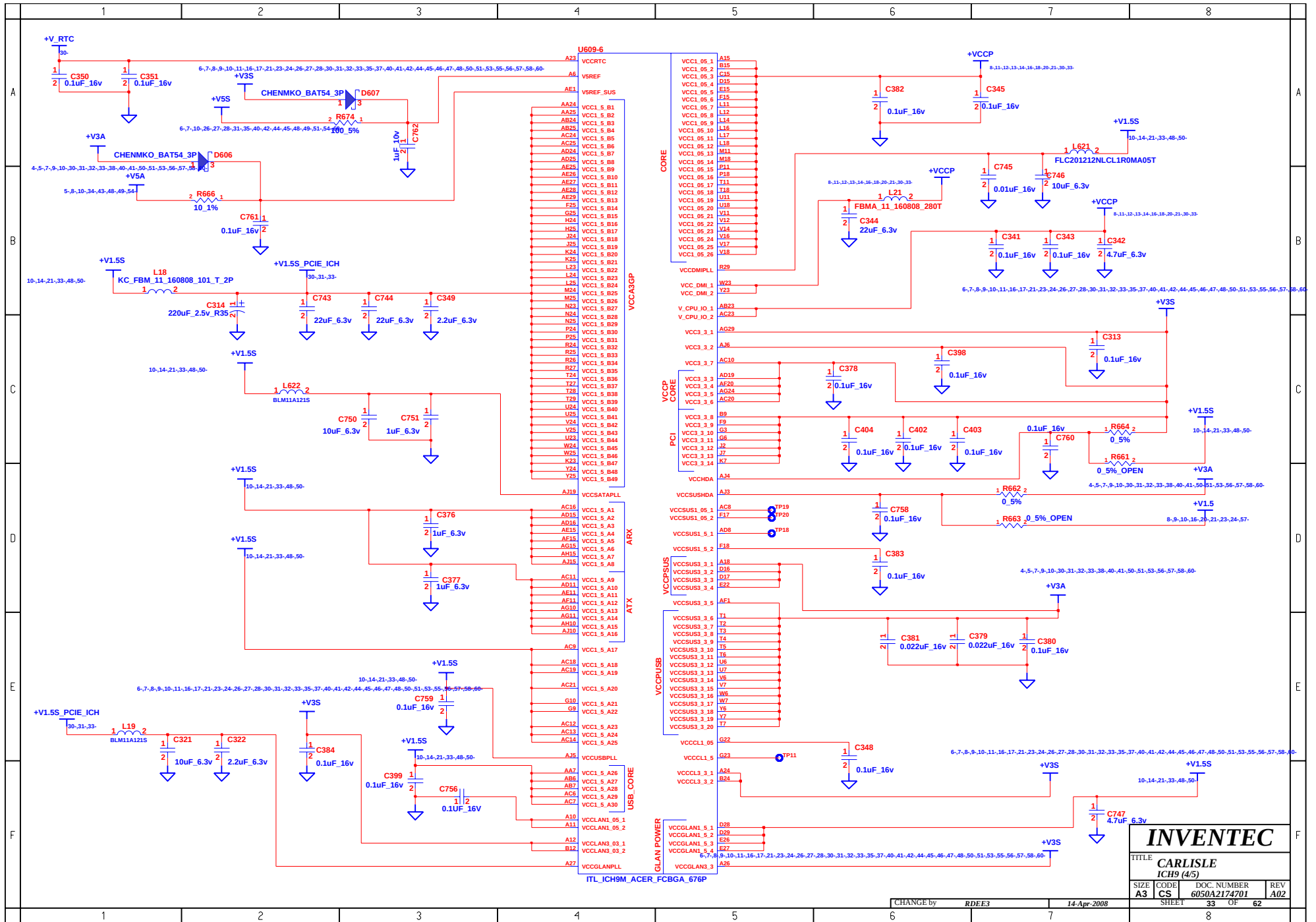
SIZE A3	CODE CS	DOC. NUMBER 6050A2174701	REV A02
-------------------	-------------------	------------------------------------	-------------------

CHANGE by **RDEE3** 14-Apr-2008

SHEET 30 OF 62







PCB layout showing a dense grid of components, primarily capacitors, arranged in a rectangular pattern. The components are labeled with part numbers and values. A dashed box highlights a specific component, C757, with its value 0.1uF_16v. The layout is divided into sections labeled A, B, C, D, E, and F. A title block in the bottom right corner identifies the project as INVENTEC CARLISLE ICH9 (5/5) and includes a change log.

CHANGE by	RDEF3	14-Apr-2008
SHEET	34	OF 62

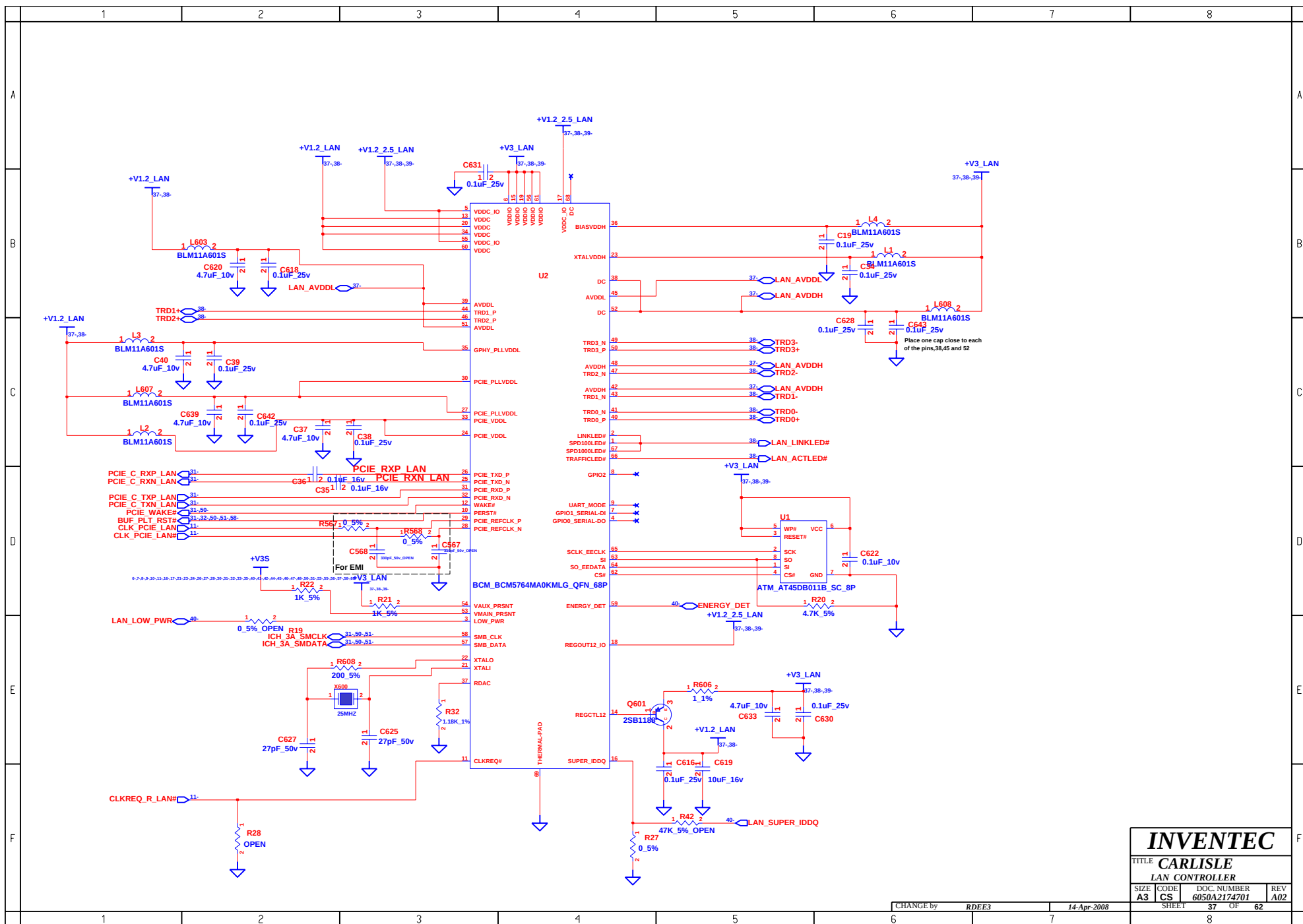
INVENTEC

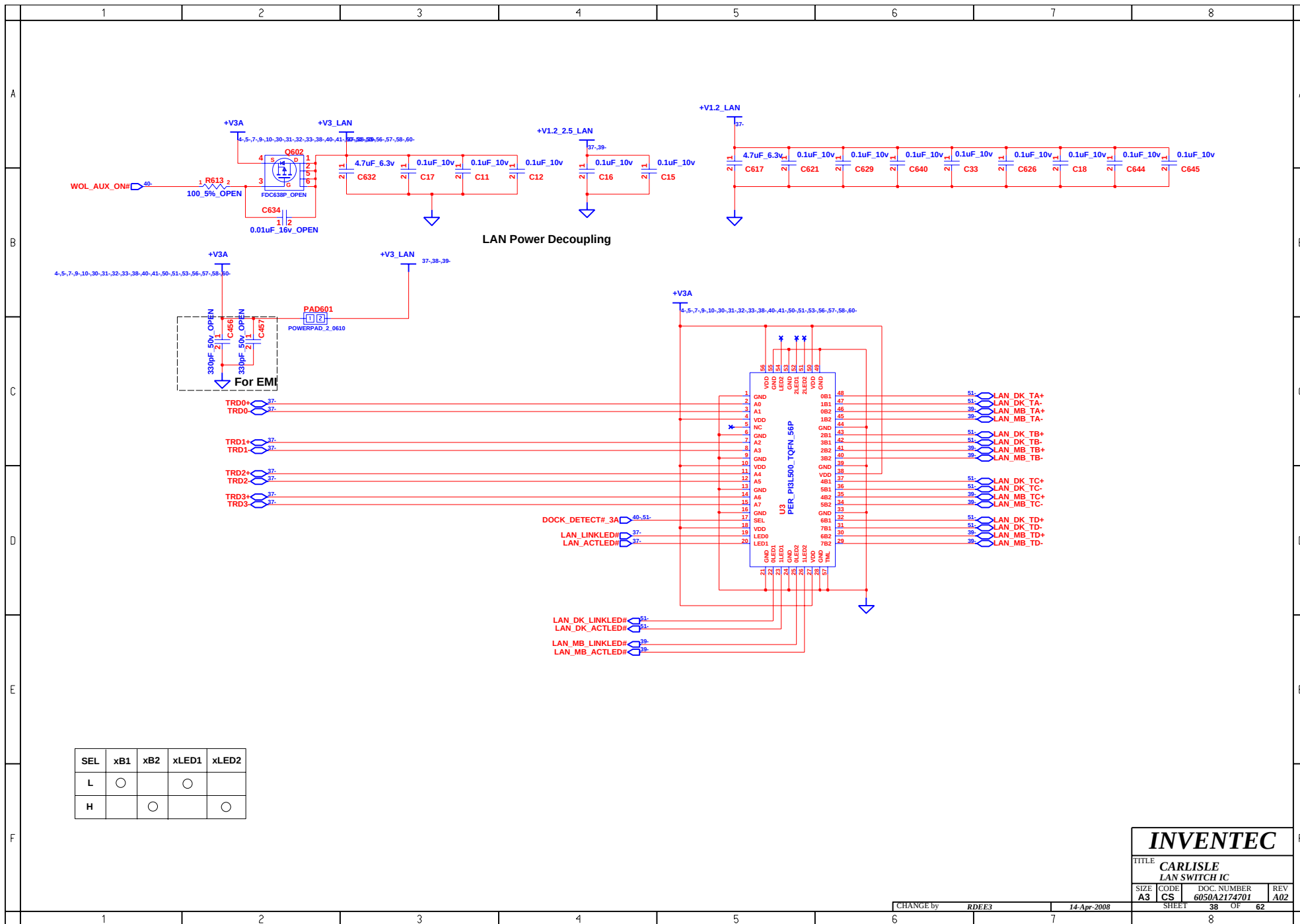
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ICH9 (5/5)

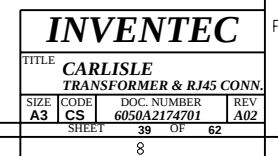
SIZE	CODE	DOC. NUMBER	REV
A3	CS	6050A2174701	A02

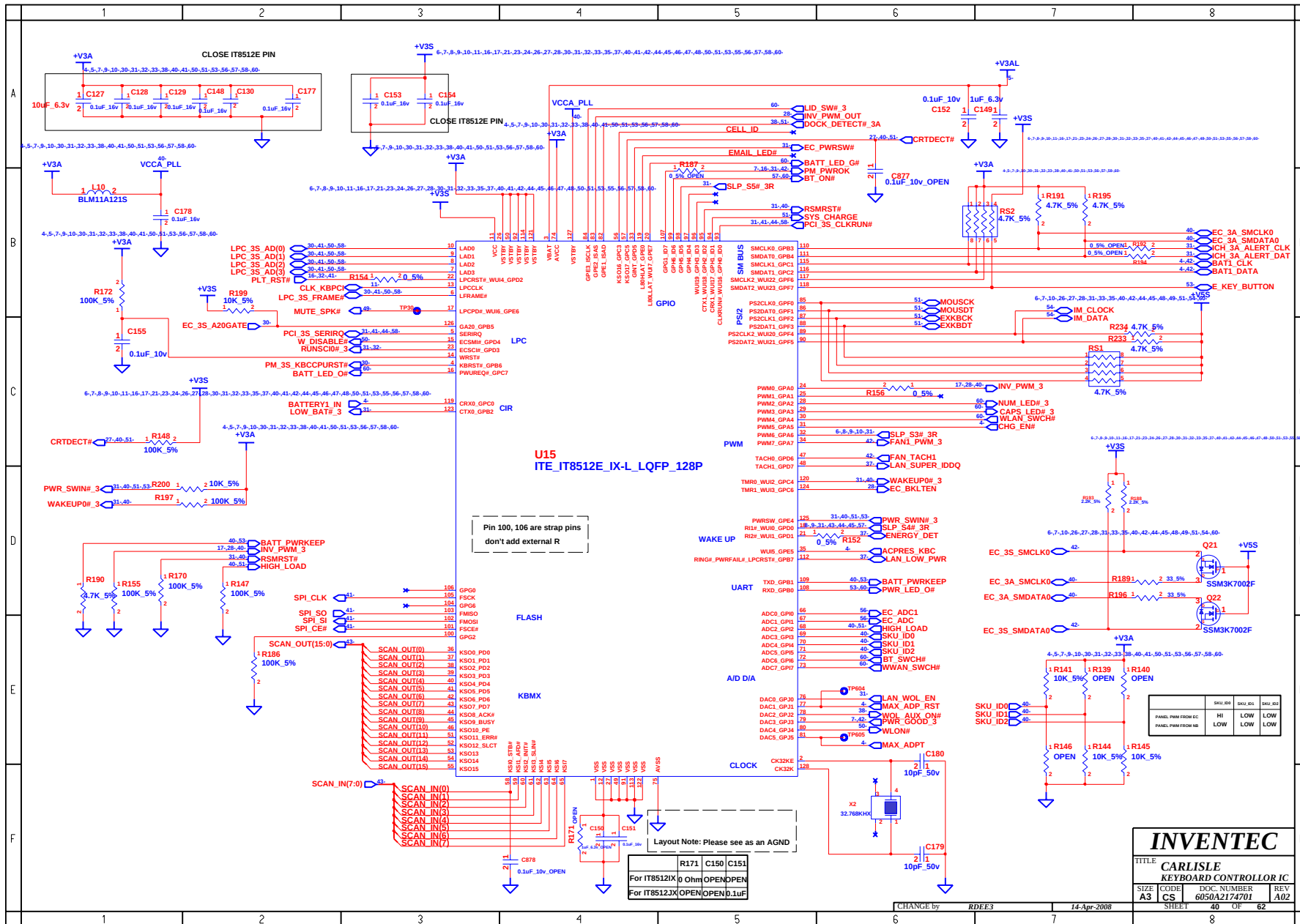
	1	2	3	4	5	6	7	8	
A									A
B									B
C									C
D									D
E									E
F									F
						CHANGE by <i>RDEE3</i>		<i>14-Apr-2008</i>	
1	2	3	4	5	6	7	8		

INVENTEC			
TITLE CARLISLE			
MULTI BAY CONN.			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	6050A2174701	A02
SHEET		36	OF 62





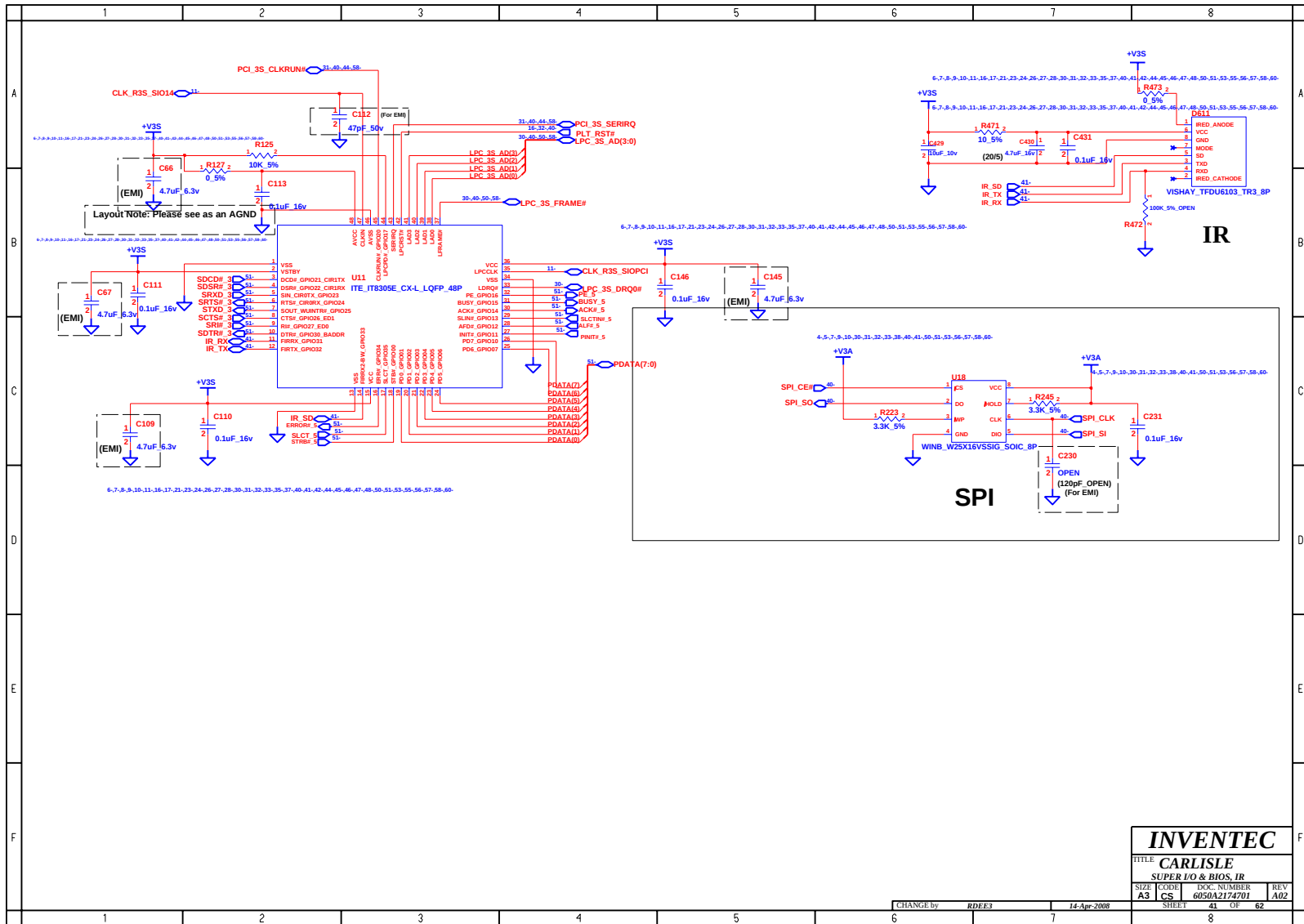


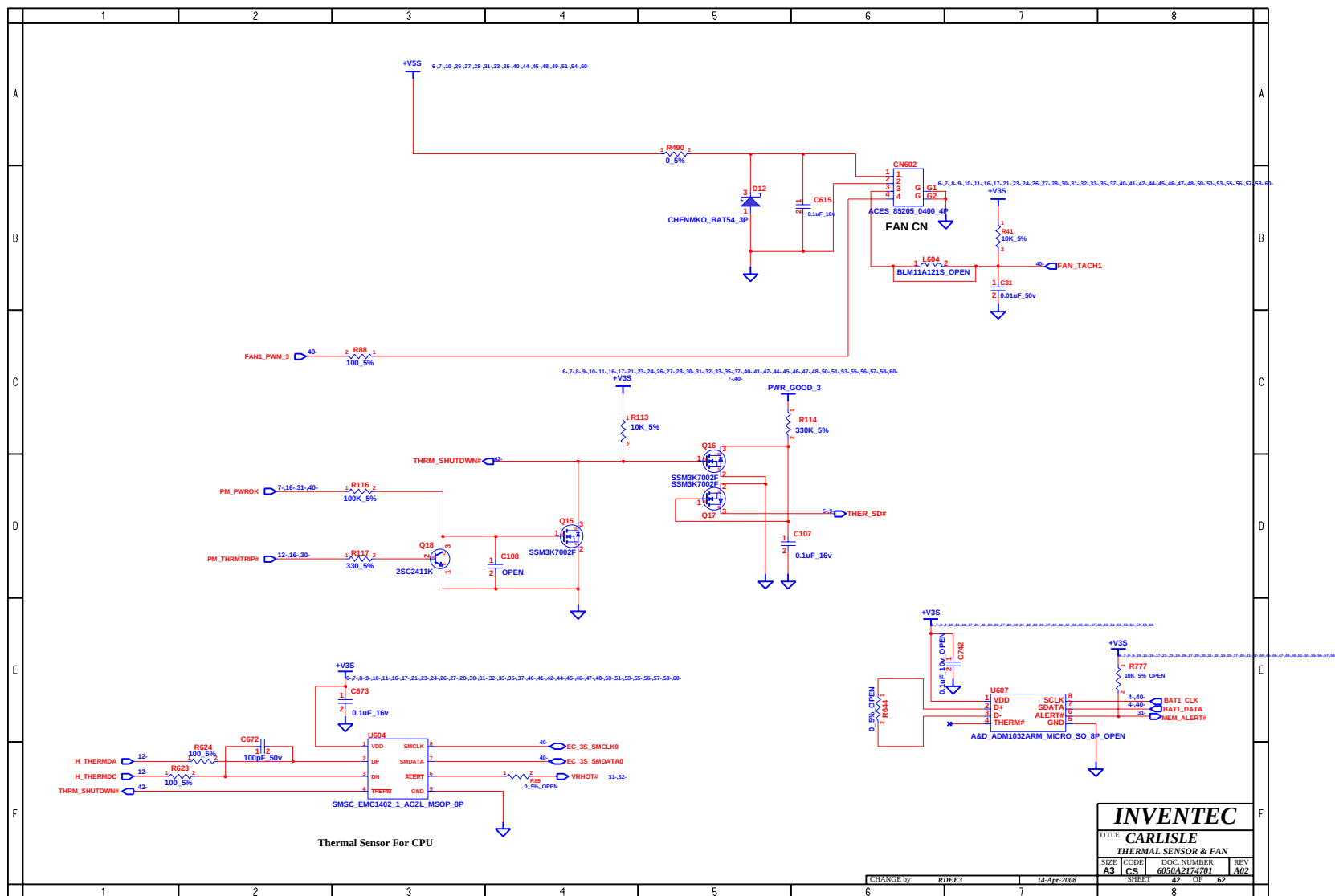


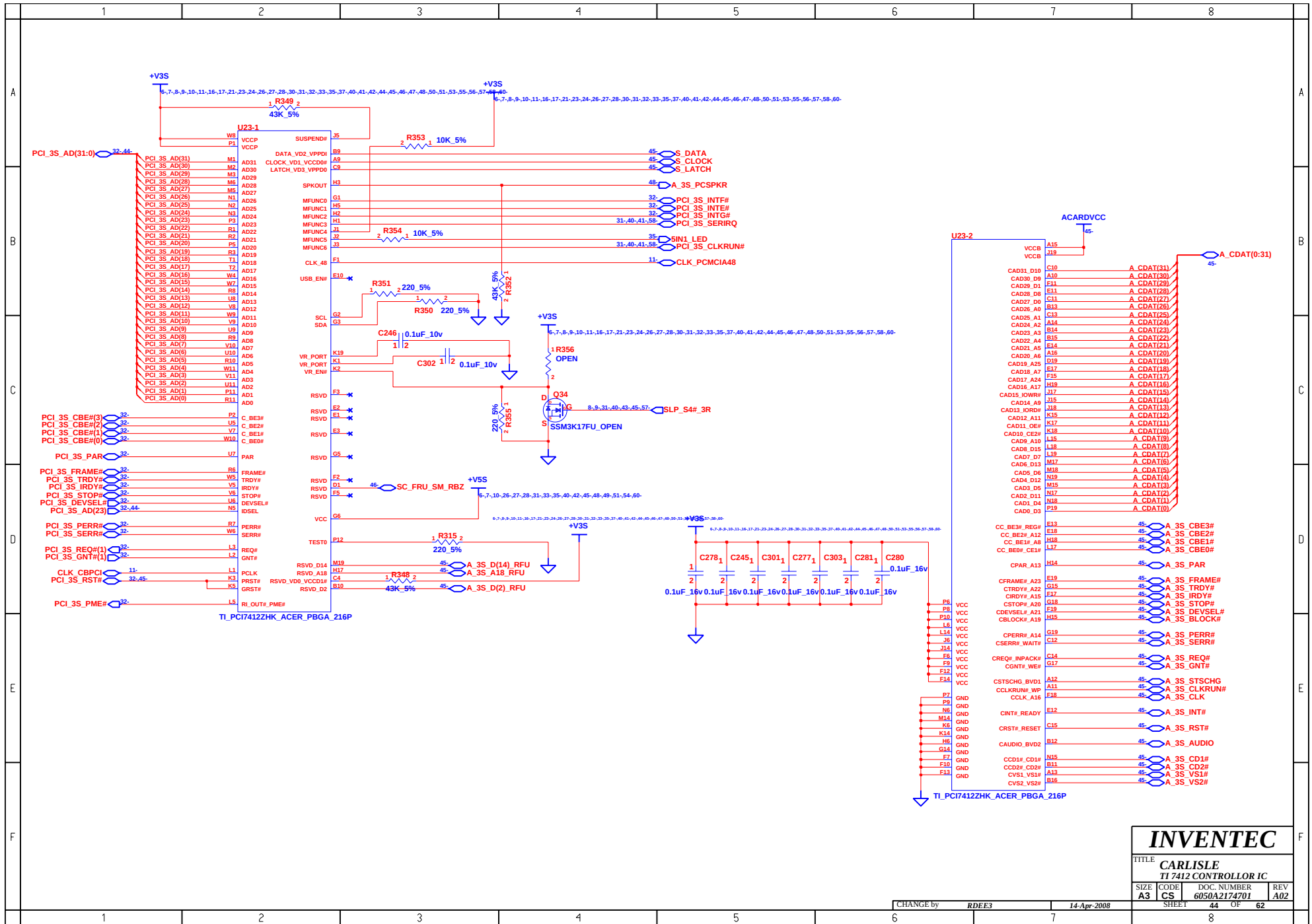
INVENTEC

TITLE: CARLISLE
KEYBOARD CONTROLLER IC

SIZE	CODE	DOC. NUMBER	REV
A3	CS	6050A2174701	A02

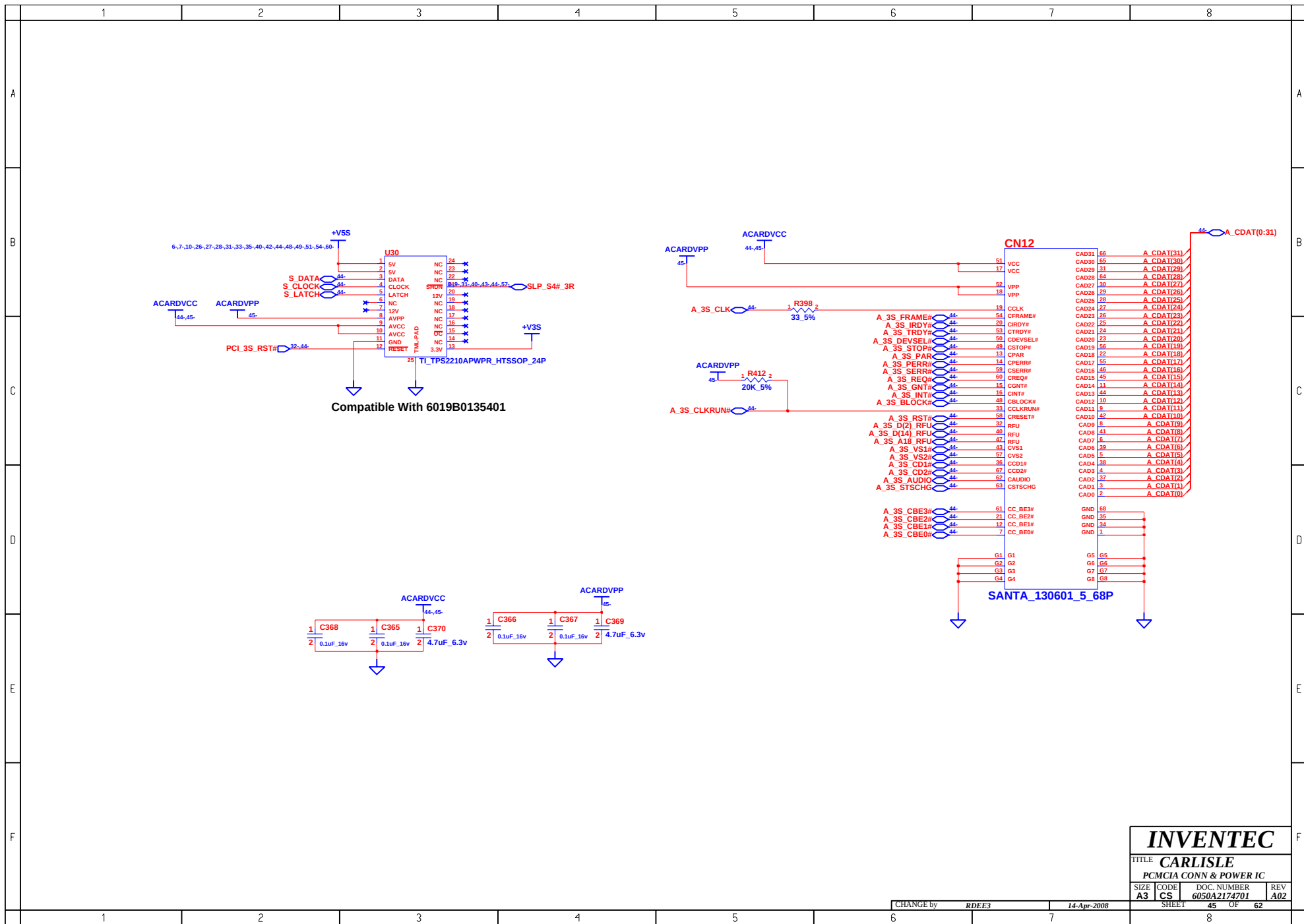






INVENTEC

TITLE			
CARLISLE			
TI 7412 CONTROLLER IC			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	6050A2174701	A02



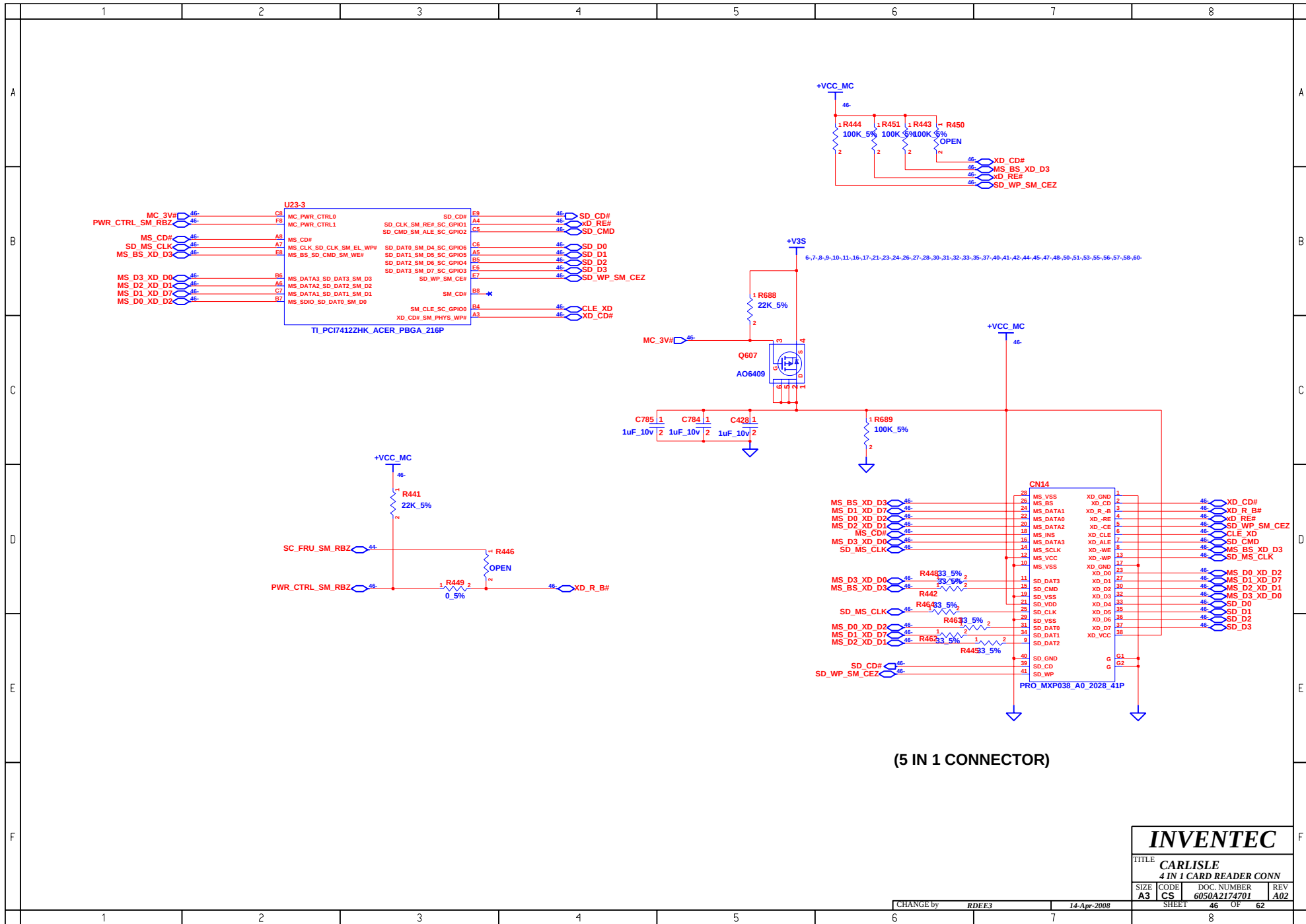
INVENTEC

TITLE **CARLISLE**
PCMCIA CONN & POWER IC

SIZE	CODE	DOC. NUMBER	REV
A3	CS	6050A2174701	A02

CHANGE by **RDEE3** 14-Apr-2008

SHEET 45 OF 62



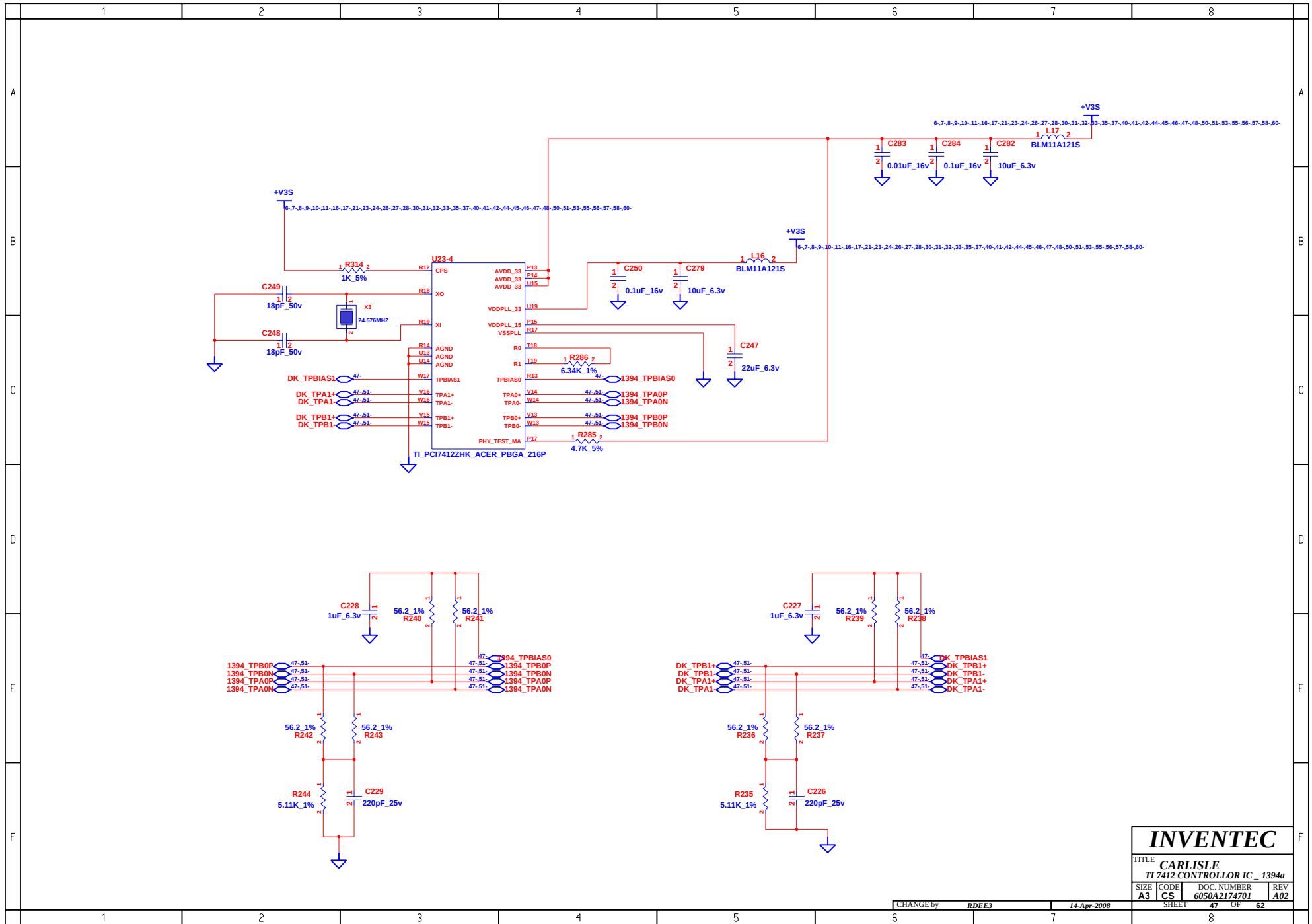
INVENTEC

TITLE
CARLISLE
4 IN 1 CARD READER CONN

SIZE	CODE	DOC. NUMBER	REV
A3	CS	6050A2174701	A02

CHANGE by RDEE3 14-Apr-2008

SHEET 46 OF 62

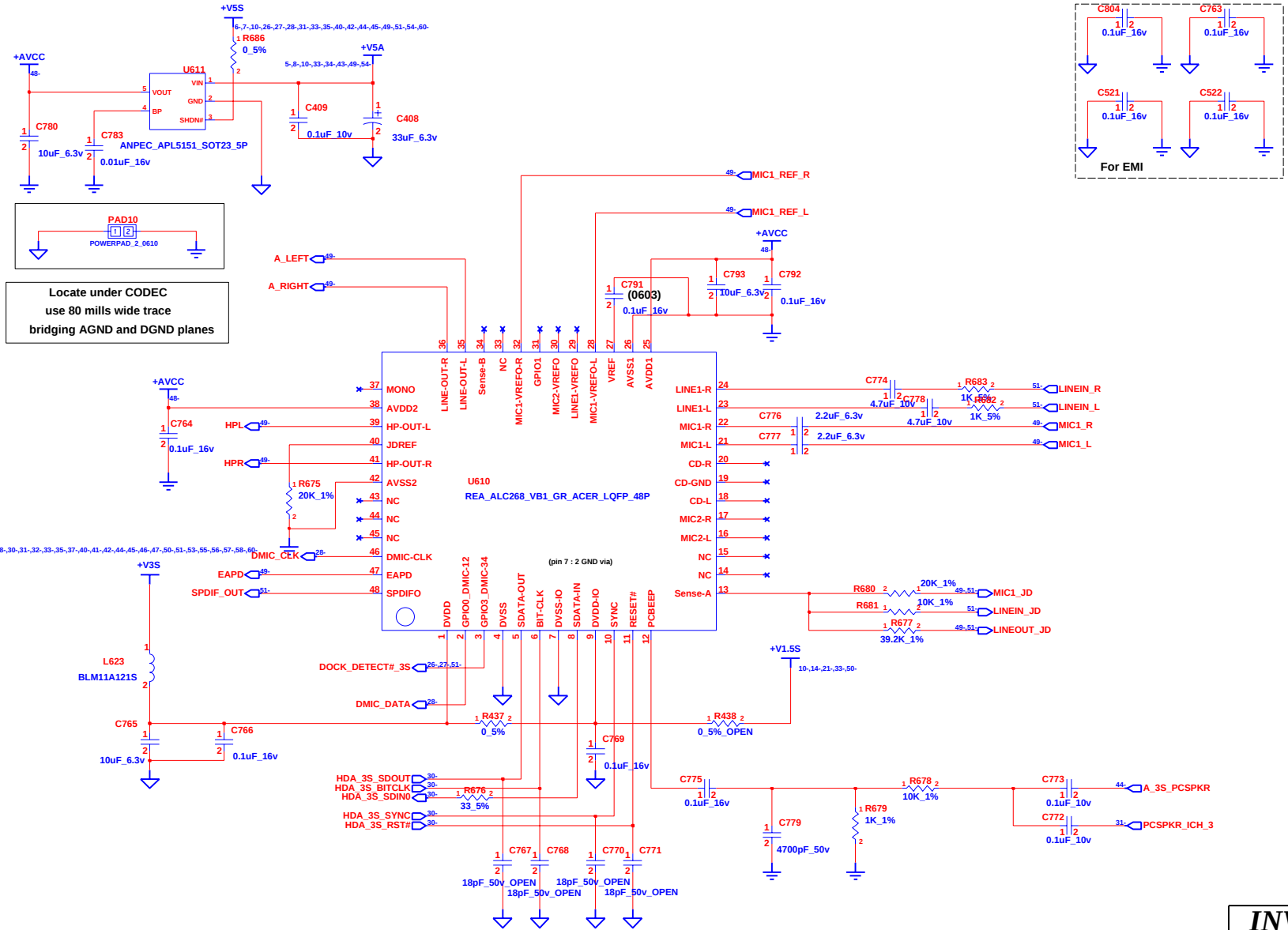


INVENTEC

TITLE			
CARLISLE			
TI 7412 CONTROLLER IC _ 1394a			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	6050A2174701	A02

CHANGE by RDEE3 14-Apr-2008

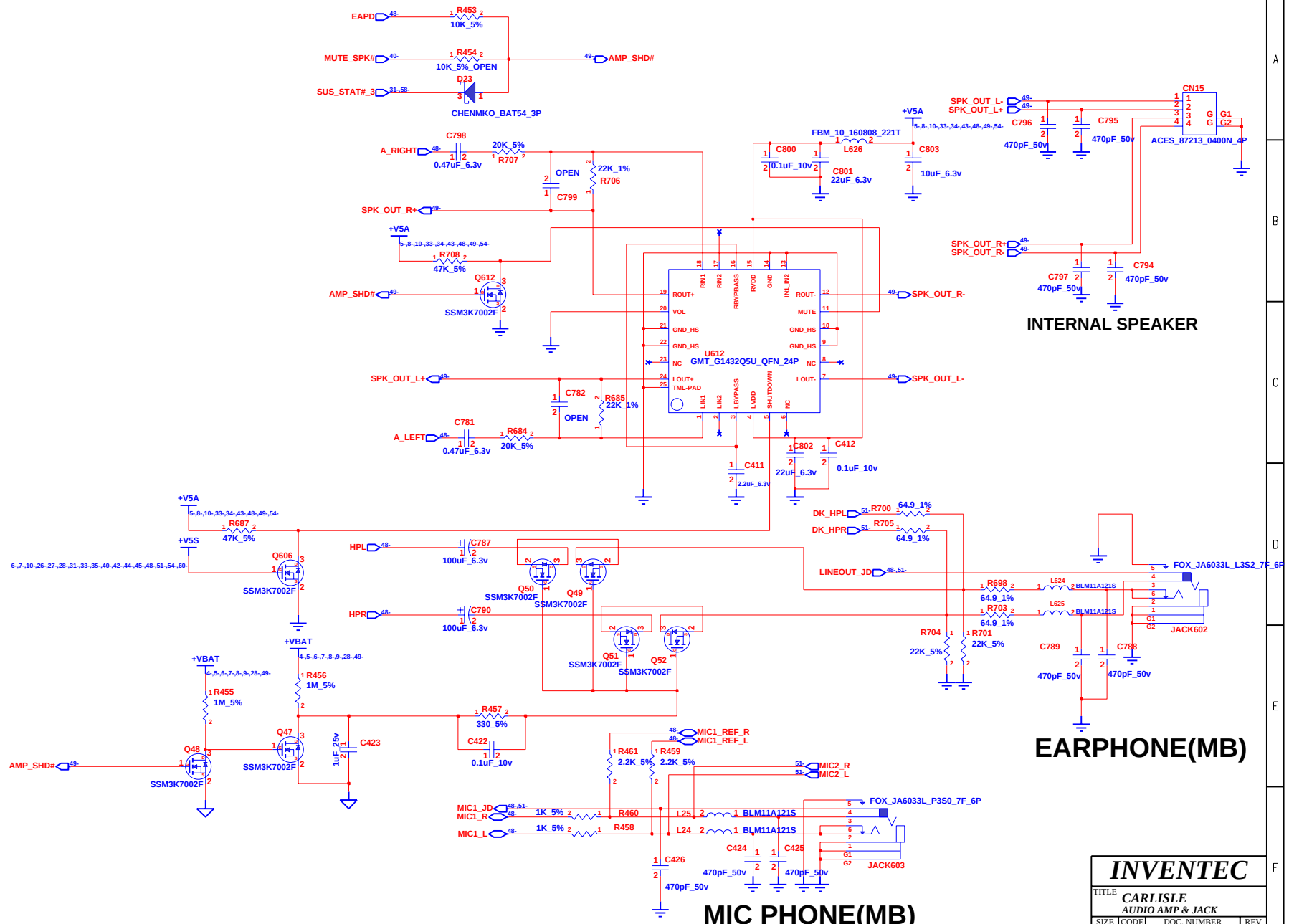
SHEET 47 OF 62



INVENTEC			
TITLE			
CARLISLE			
AUDIO CODEC _ ALC268VB			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	6050A2174701	A02

CHANGE by RDEE3 14-Apr-2008

SHEET 48 OF 62

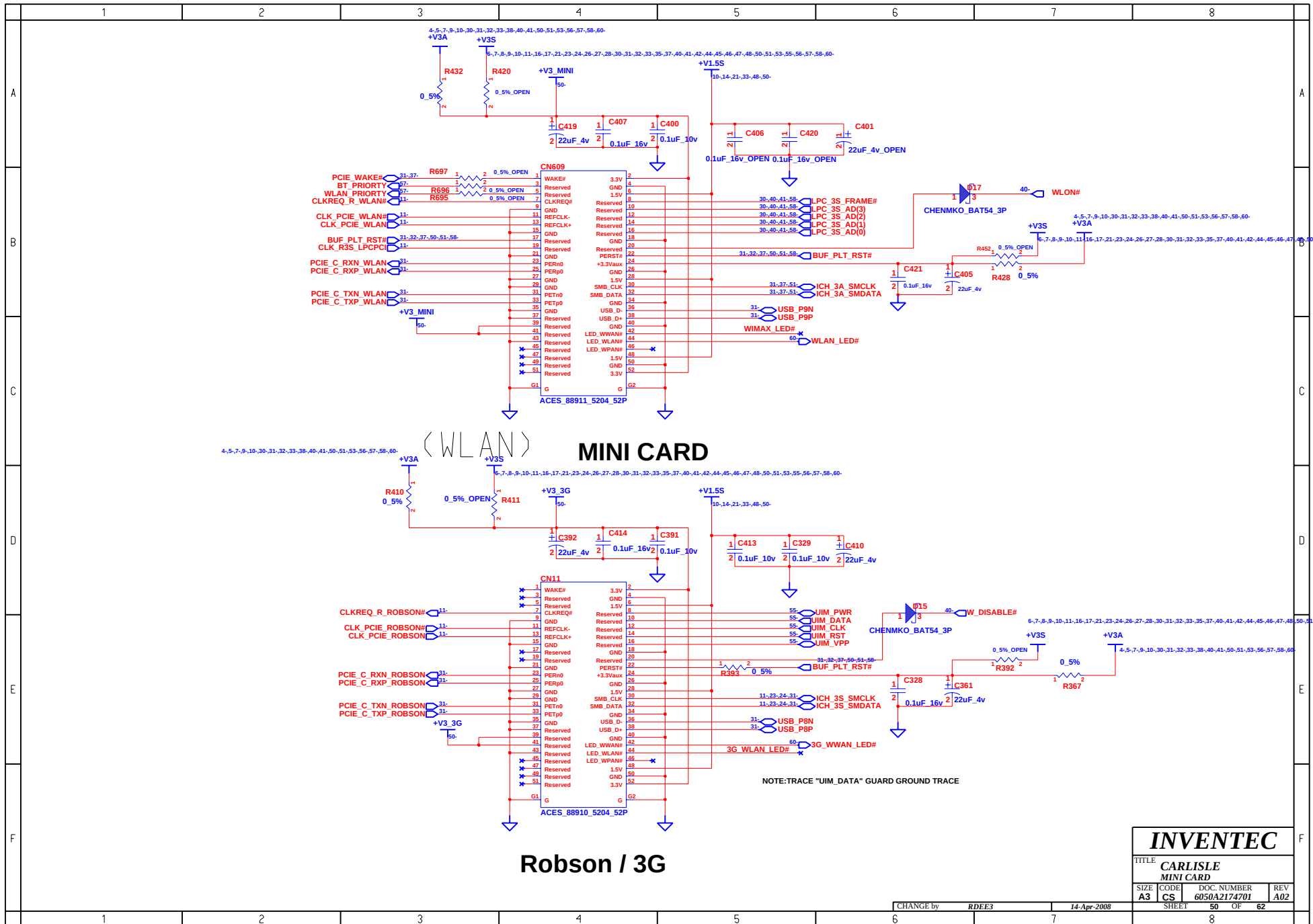


INTERNAL SPEAKER

EARPHONE(MB)

MIC PHONE(MB)

INVENTEC			
TITLE CARLISLE AUDIO AMP & JACK			
SIZE A3	CODE CS	DOC. NUMBER 6050A2174701	REV A02
CHANGE by RDEE3		14-Apr-2008	
SHEET 49		OF 62	



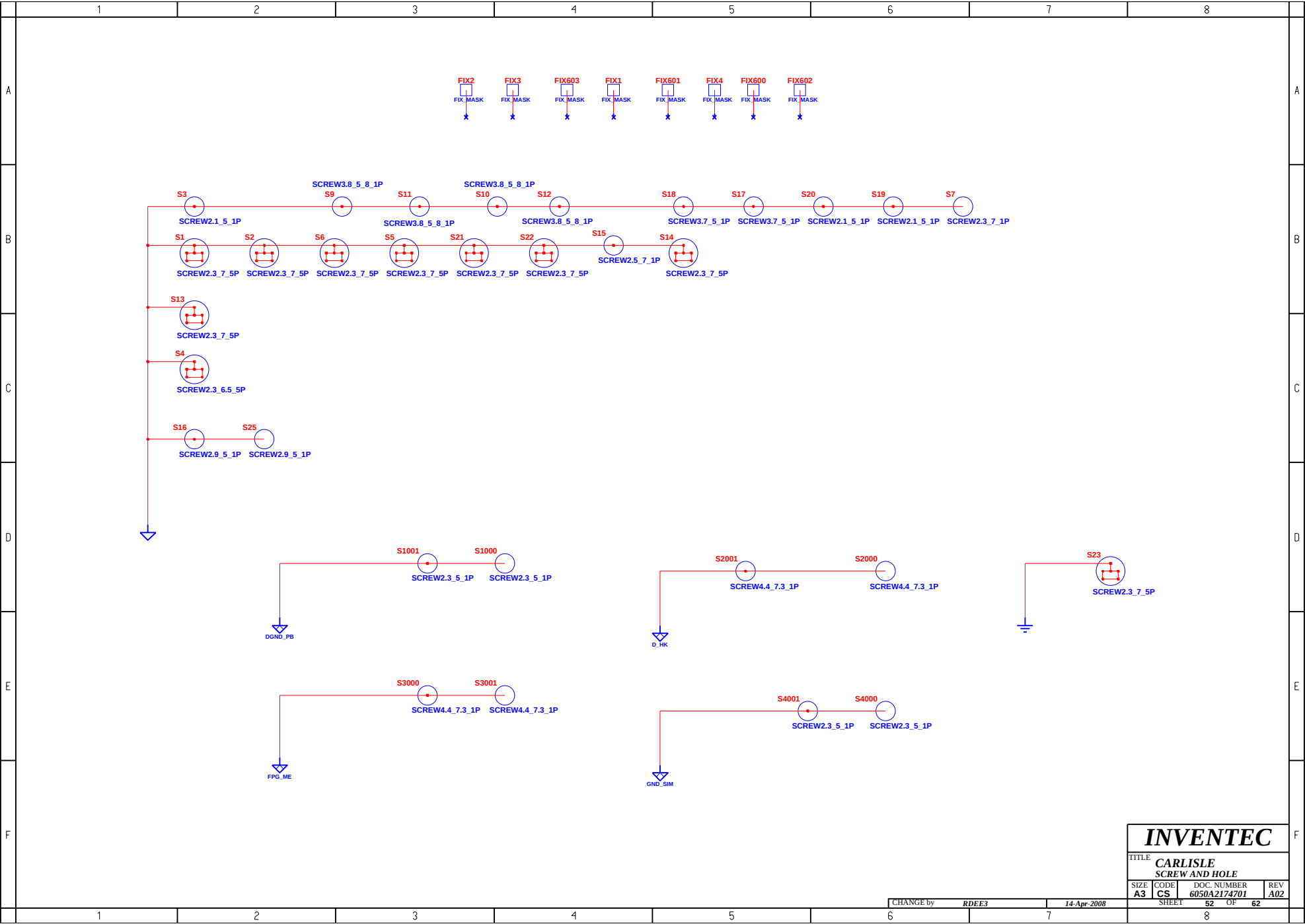
INVENTEC

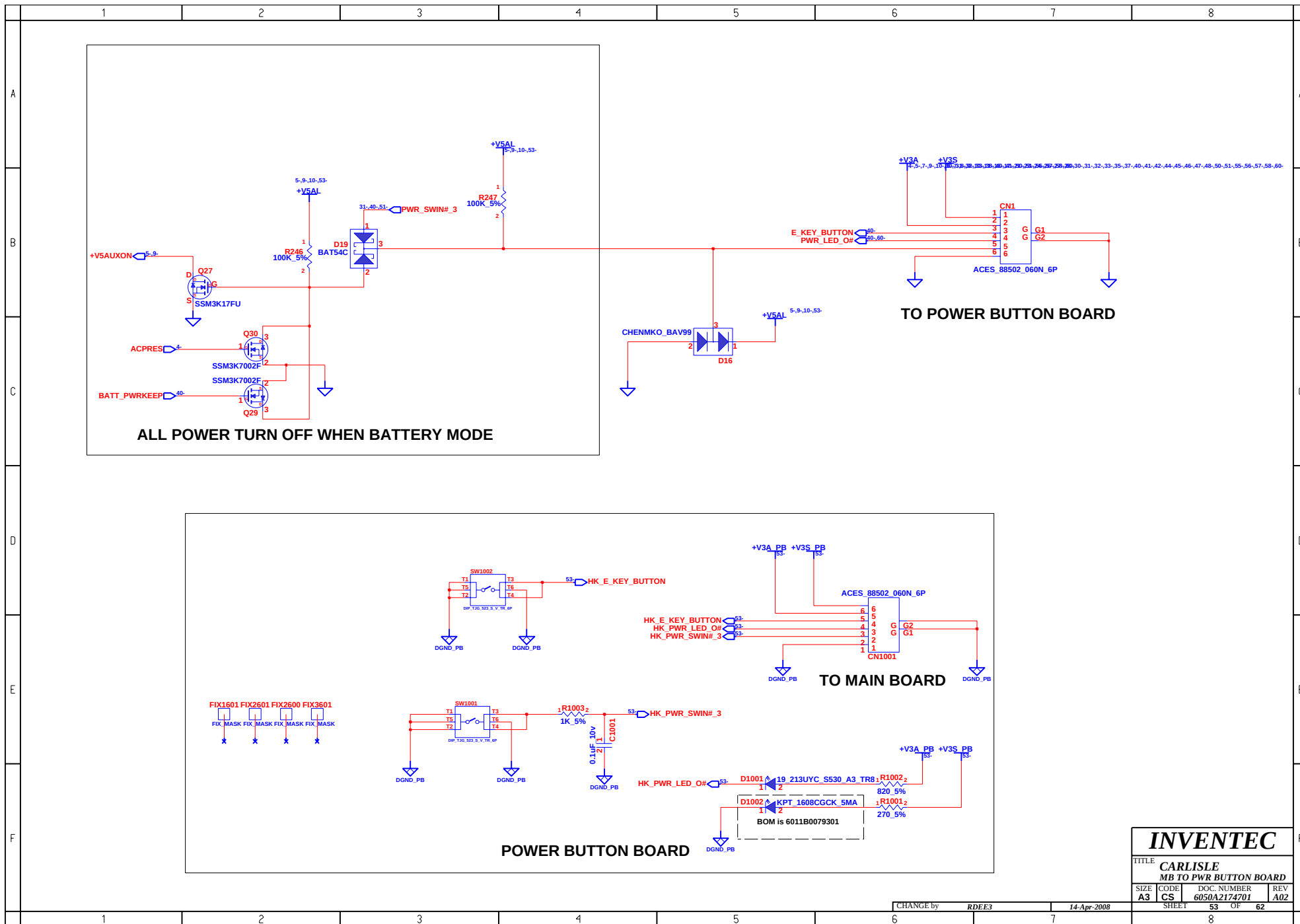
TITLE
**CARLISLE
MINI CARD**

SIZE A3	CODE CS	DOC. NUMBER 6050A2174701	REV A02
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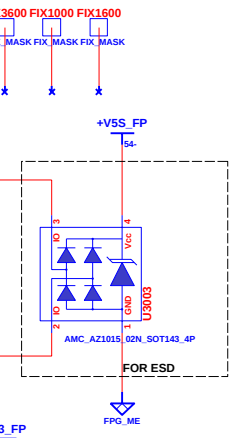
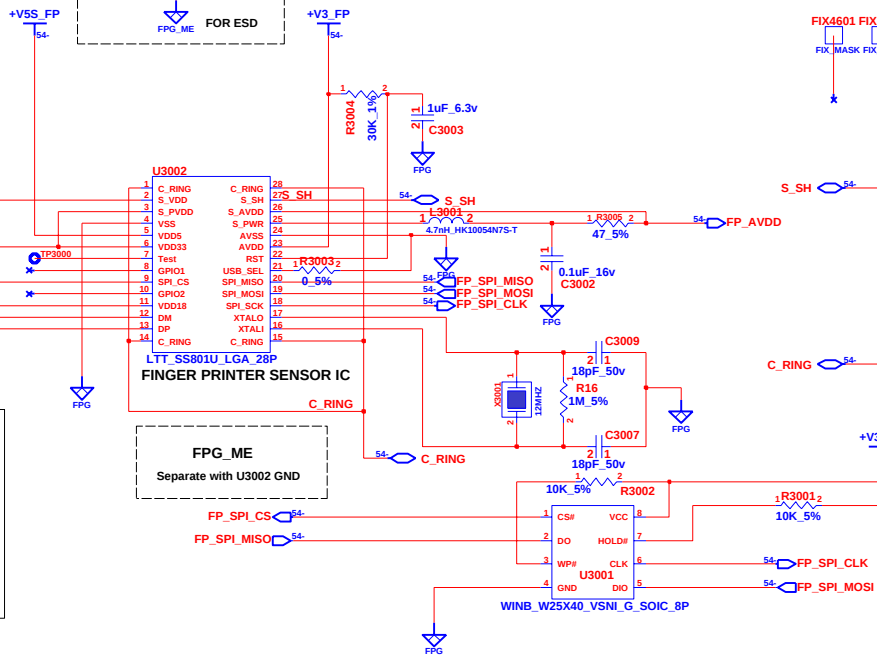
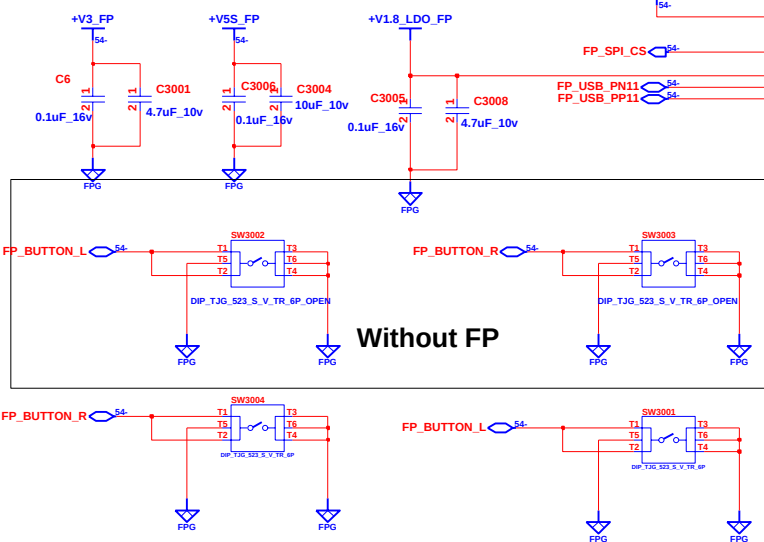
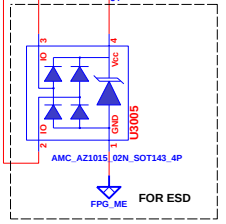
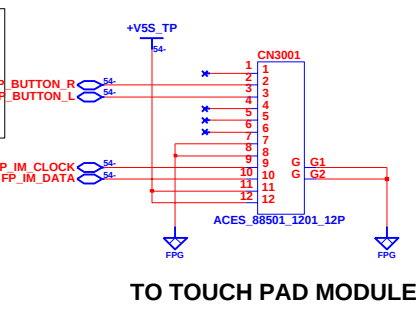
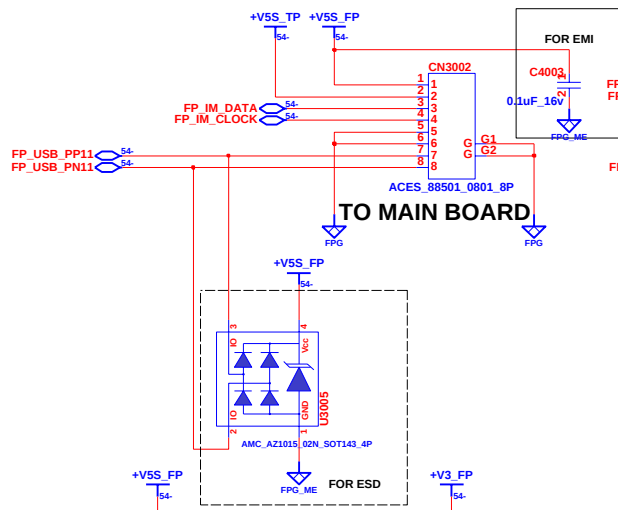
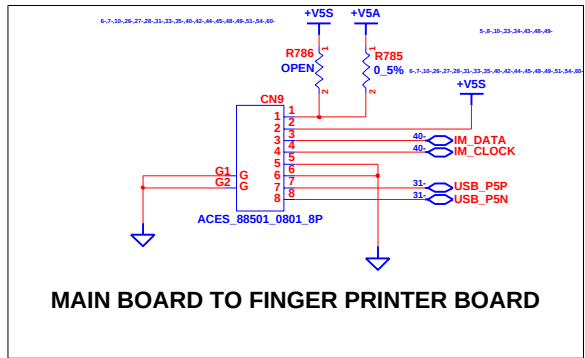
CHANGE by **RDEE3** 14-Apr-2008

SHEET **50** OF **62**



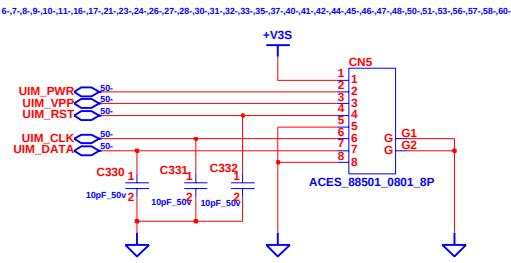
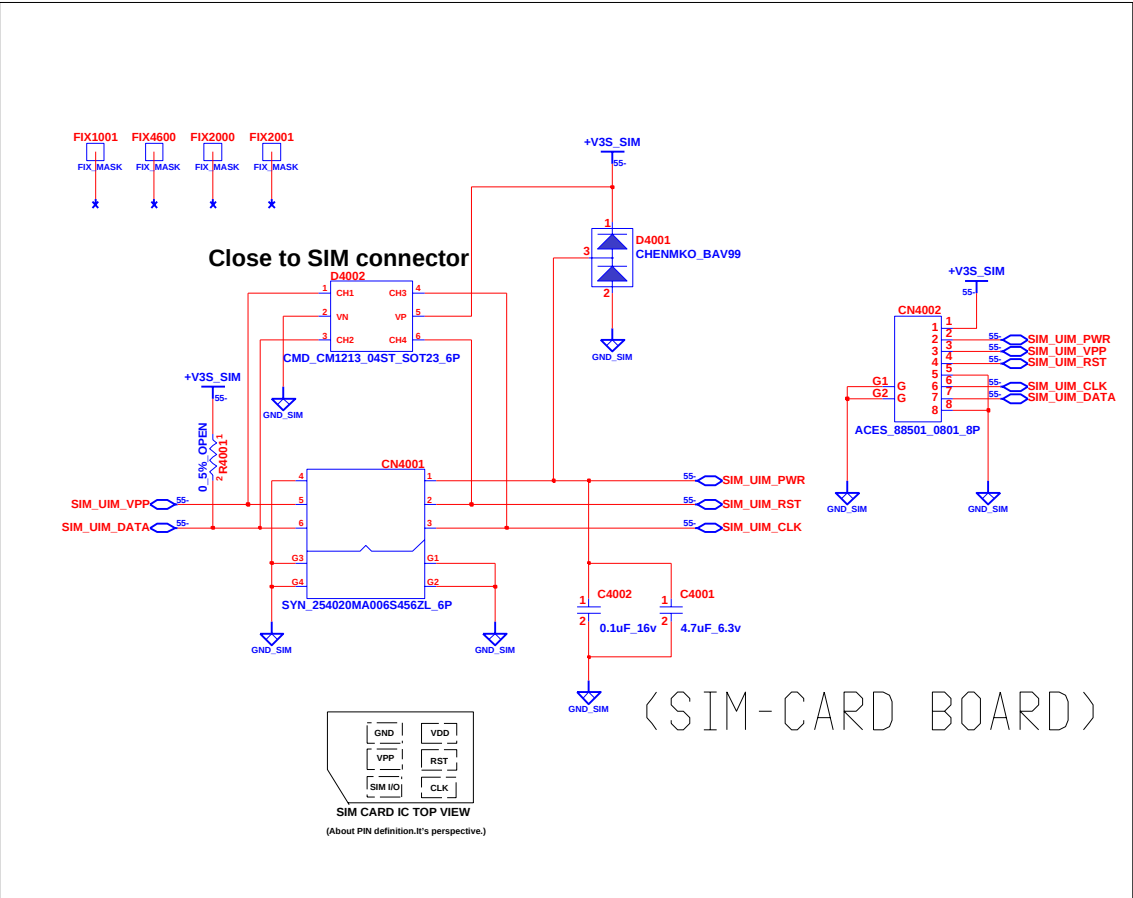


INVENTEC			
TITLE: CARLISLE MB TO PWR BUTTON BOARD			
SIZE: A3	CODE: CS	DOC. NUMBER: 6050A2174701	REV: A02
CHANGE by: RDEE3		14-Apr-2008	
SHEET: 53		OF: 62	



FINGER PRINTER BOARD

INVENTEC			
TITLE CARLISLE FINGER PRINT BOARD			
SIZE A3	CODE CS	DOC. NUMBER 6050A2174701	REV A02
SHEET 54 OF 62			



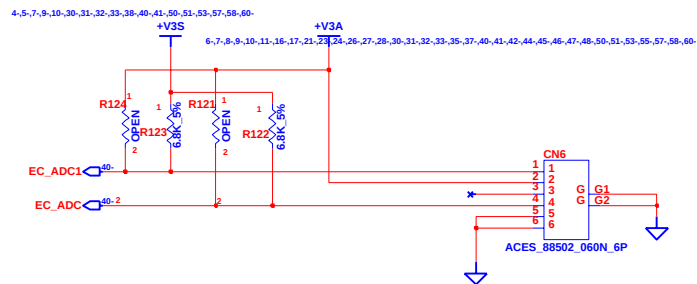
MAIN BOARD TO SIM-CARD BOARD

INVENTEC

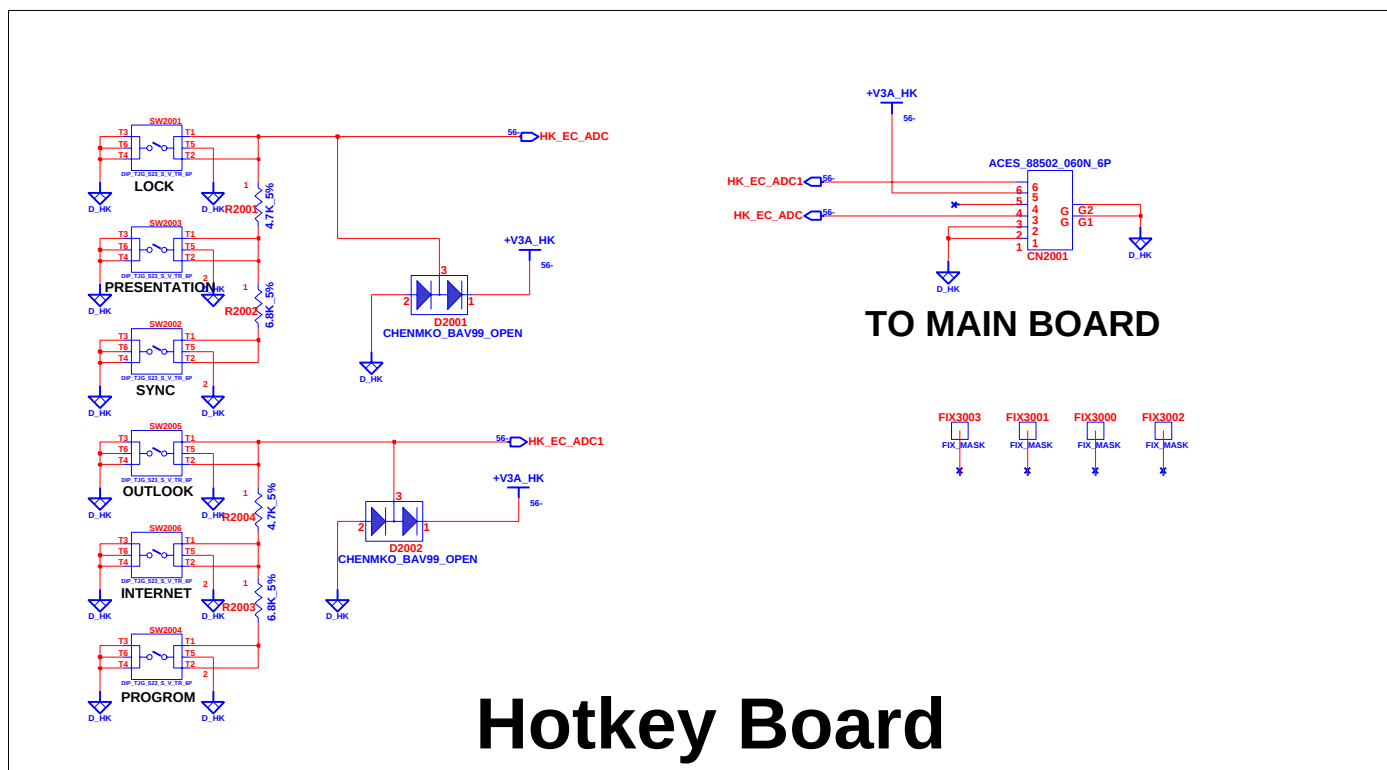
TITLE			
CARLISLE			
3G SIM CARD BOARD			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	6050A2174701	A02

CHANGE by RDEE3 14-Apr-2008

SHEET 55 OF 62



MAIN BOARD TO HOTKEY BOARD



TO MAIN BOARD

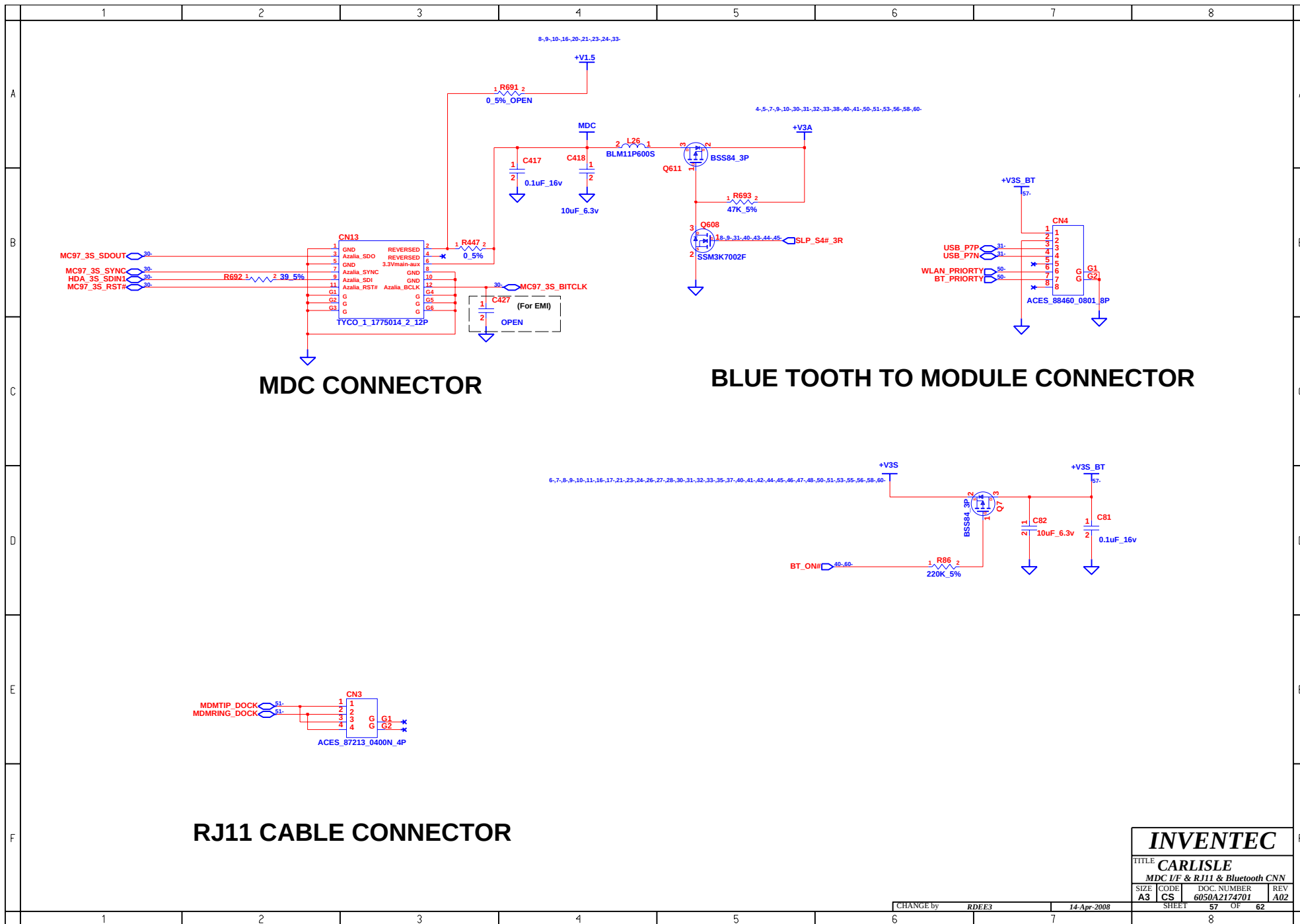
Hotkey Board

INVENTEC

TITLE			
CARLISLE			
HOTKEY BOARD			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	6050A2174701	A02

CHANGE by RDEE3 14-Apr-2008

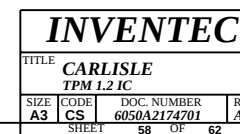
SHEET 56 Of 62



INVENTEC			
TITLE			
CARLISLE			
MDC I/F & RJ11 & Bluetooth CNN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	6050A2174701	A02

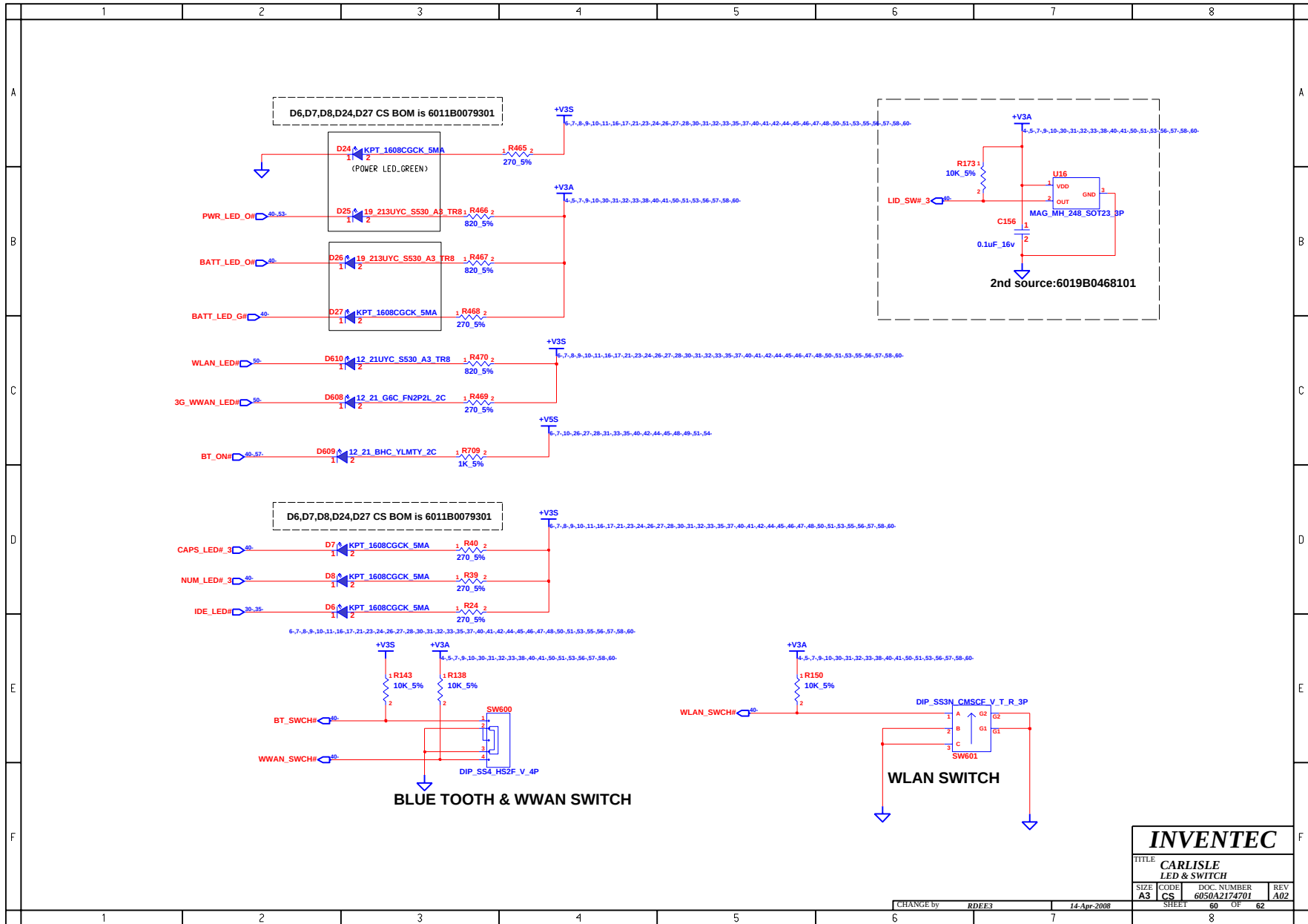
CHANGE by RDEE3 14-Apr-2008

SHEET 57 OF 62



	1	2	3	4	5	6	7	8	
A									A
B									B
C									C
D									D
E									E
F									F
						CHANGE by <i>RDEE3</i>		<i>14-Apr-2008</i>	
1	2	3	4	5	6	7	8		

INVENTEC			
TITLE <i>CARLISLE Multi-Bay ODD Board</i>			
SIZE A3	CODE CS	DOC. NUMBER <i>6050A2174701</i>	REV <i>A02</i>
SHEET		59	OF 62



	1	2	3	4	5	6	7	8	
A									A
B									B
C									C
D									D
E									E
F									F
						CHANGE by <i>RDEE3</i>		<i>14-Apr-2008</i>	
1	2	3	4	5	6	7	8		

INVENTEC			
TITLE <i>CARLISLE</i> <i>TPM</i>			
SIZE A3	CODE CS	DOC. NUMBER <i>6050A2174701</i>	REV <i>A02</i>
SHEET		61	OF 62

	1	2	3	4	5	6	7	8	
A									A
B									B
C									C
D									D
E									E
F									F
						CHANGE by <i>RDEE3</i>		<i>14-Apr-2008</i>	
1	2	3	4	5	6	7	8		

INVENTEC			
TITLE <i>CARLISLE Robson BOARD</i>			
SIZE A3	CODE CS	DOC. NUMBER <i>6050A2174701</i>	REV <i>A02</i>
SHEET 62 OF 62			