

	1	2	3	4	5	6	7	8																																																								
A										A																																																						
B										B																																																						
C										C																																																						
D										D																																																						
E										E																																																						
F	<table border="0"><tr><td colspan="5"><div>VAIL 2.0 DISCRETE MV1_BUILD <div>2006.03.03</div></div></td><td colspan="4"><table border="1"><tr><td>DRAWER</td><td>EE</td><td>DATE</td><td>POWER</td><td>DATE</td><td colspan="4">INVENTEC</td></tr><tr><td>DESIGN</td><td></td><td></td><td></td><td></td><td colspan="4">TITLE VAIL2.0</td></tr><tr><td>CHECK RESPONSIBLE</td><td></td><td></td><td></td><td></td><td colspan="4">SIZE = 3 VER :</td></tr><tr><td colspan="5">FILE NAME : XXXX-XXXXXX.XX</td><td>SHEET A3</td><td>CODE CS</td><td>DOC_NUMBER Model No</td><td>REV A02</td></tr><tr><td>P/N</td><td colspan="4">XXXXXXXXXXXX</td><td colspan="4">SHEET 1 OF 71</td></tr></table></td><td>F</td></tr></table>									<div>VAIL 2.0 DISCRETE MV1_BUILD <div>2006.03.03</div></div>					<table border="1"><tr><td>DRAWER</td><td>EE</td><td>DATE</td><td>POWER</td><td>DATE</td><td colspan="4">INVENTEC</td></tr><tr><td>DESIGN</td><td></td><td></td><td></td><td></td><td colspan="4">TITLE VAIL2.0</td></tr><tr><td>CHECK RESPONSIBLE</td><td></td><td></td><td></td><td></td><td colspan="4">SIZE = 3 VER :</td></tr><tr><td colspan="5">FILE NAME : XXXX-XXXXXX.XX</td><td>SHEET A3</td><td>CODE CS</td><td>DOC_NUMBER Model No</td><td>REV A02</td></tr><tr><td>P/N</td><td colspan="4">XXXXXXXXXXXX</td><td colspan="4">SHEET 1 OF 71</td></tr></table>				DRAWER	EE	DATE	POWER	DATE	INVENTEC				DESIGN					TITLE VAIL2.0				CHECK RESPONSIBLE					SIZE = 3 VER :				FILE NAME : XXXX-XXXXXX.XX					SHEET A3	CODE CS	DOC_NUMBER Model No	REV A02	P/N	XXXXXXXXXXXX				SHEET 1 OF 71				F
<div>VAIL 2.0 DISCRETE MV1_BUILD <div>2006.03.03</div></div>					<table border="1"><tr><td>DRAWER</td><td>EE</td><td>DATE</td><td>POWER</td><td>DATE</td><td colspan="4">INVENTEC</td></tr><tr><td>DESIGN</td><td></td><td></td><td></td><td></td><td colspan="4">TITLE VAIL2.0</td></tr><tr><td>CHECK RESPONSIBLE</td><td></td><td></td><td></td><td></td><td colspan="4">SIZE = 3 VER :</td></tr><tr><td colspan="5">FILE NAME : XXXX-XXXXXX.XX</td><td>SHEET A3</td><td>CODE CS</td><td>DOC_NUMBER Model No</td><td>REV A02</td></tr><tr><td>P/N</td><td colspan="4">XXXXXXXXXXXX</td><td colspan="4">SHEET 1 OF 71</td></tr></table>				DRAWER	EE	DATE	POWER	DATE	INVENTEC				DESIGN					TITLE VAIL2.0				CHECK RESPONSIBLE					SIZE = 3 VER :				FILE NAME : XXXX-XXXXXX.XX					SHEET A3	CODE CS	DOC_NUMBER Model No	REV A02	P/N	XXXXXXXXXXXX				SHEET 1 OF 71				F										
DRAWER	EE	DATE	POWER	DATE	INVENTEC																																																											
DESIGN					TITLE VAIL2.0																																																											
CHECK RESPONSIBLE					SIZE = 3 VER :																																																											
FILE NAME : XXXX-XXXXXX.XX					SHEET A3	CODE CS	DOC_NUMBER Model No	REV A02																																																								
P/N	XXXXXXXXXXXX				SHEET 1 OF 71																																																											

TABLE OF CONTENTS

PAGE

5- DC& BATTERY CHARGER
6- SELECT & BATTERY CONN
7- SYSTEM POWER(3V/5V)
8- SYSTEM POWER(V2.5S/V1.5A)
9- SYSTEM POWER(VCCP/VGAVCC)
10- SYSTEM POWER(V1.8/V0.9S)
11- CPU POWER(VCC_CORE)
12- DDR TERMINATION VOLTAGE
13- POWER(SLEEP)
14- POWER(SEQUENCE)
15- CLOCK_GENERATOR
16- YOHNA-1
17- YOHNA-2
18- YOHNA-3
19- YOHNA-4
20- THERMAL&FAN CONTROLLER
21- CALISTOGA-1
22- CALISTOGA-2
23- CALISTOGA-3
24- CALISTOGA-4
25- CALISTOGA-5
26- DDR2-DIMM0
27- DDR2-DIMM1
28- DDR2-DAMPING

PAGE

29- ATI-M56P-P-1
30- ATI-M56P-P-2
31- ATI-M56P-P-3
32- ATI-M56P-P-4
33- VIDEO RAM-1
34- VIDEO RAM-2
35- VIDEO RAM-3
36- VIDEO RAM-4
37- VIDEO RAM DAMPING
38- CRT& SVEDIO CONN
39- LCD CONN
40- ICH7-1
41- ICH7-2
42- ICH7-3
43- ICH7-4
44- ICH7-5
45- KBC
46- SPI/HDD PROTECTION
47- INT.KBC/POINT DEVICES
48- SUPER I/O
49- SERIAL PORT
50- FINGER PRINT CONN
51- AC97/AZALIA CODEC
52- EQ&MIC JACK
53- AUDIO AMP&HP JACK

PAGE

54- HDD CONN
55- ODD CONN
56- USB CONN
57- CARDBUS CONTROLL
58- PC CARD SLOT
59- SD CARD CONN & IR
60- 1394 CONN
61- MINICARD CONN
62- LAN INTERFACE-1
63- LAN RJ45 CONN
64- DOCKING CONN
65- SCREW
66- MDC1.5 CONN
67- TPM V1.2
68- BLUETOOTH
69- BUTTON & SWITCH & LED
70- LED/SWITCH CONN
71- SWITCH BOARD

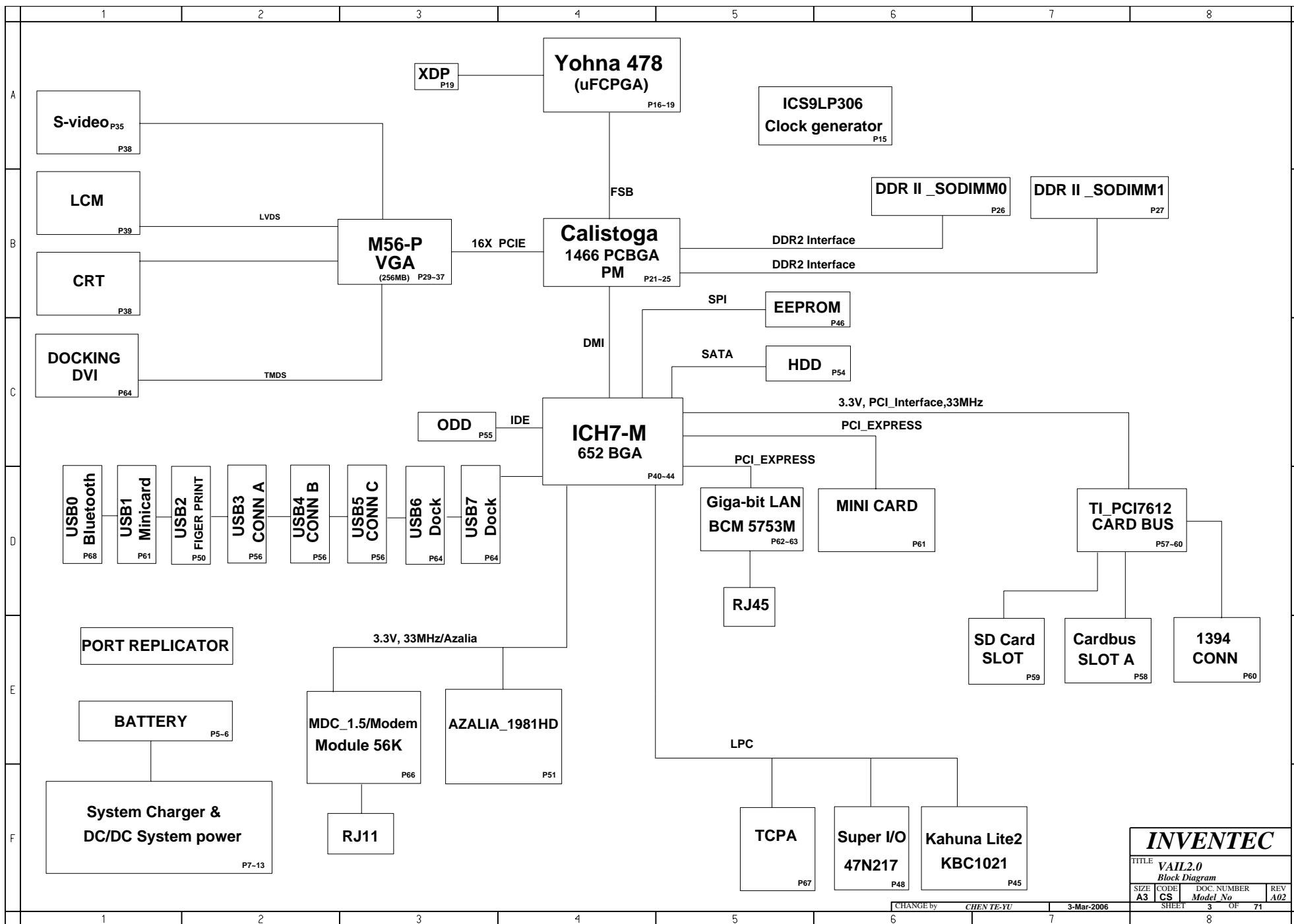
INVENTEC

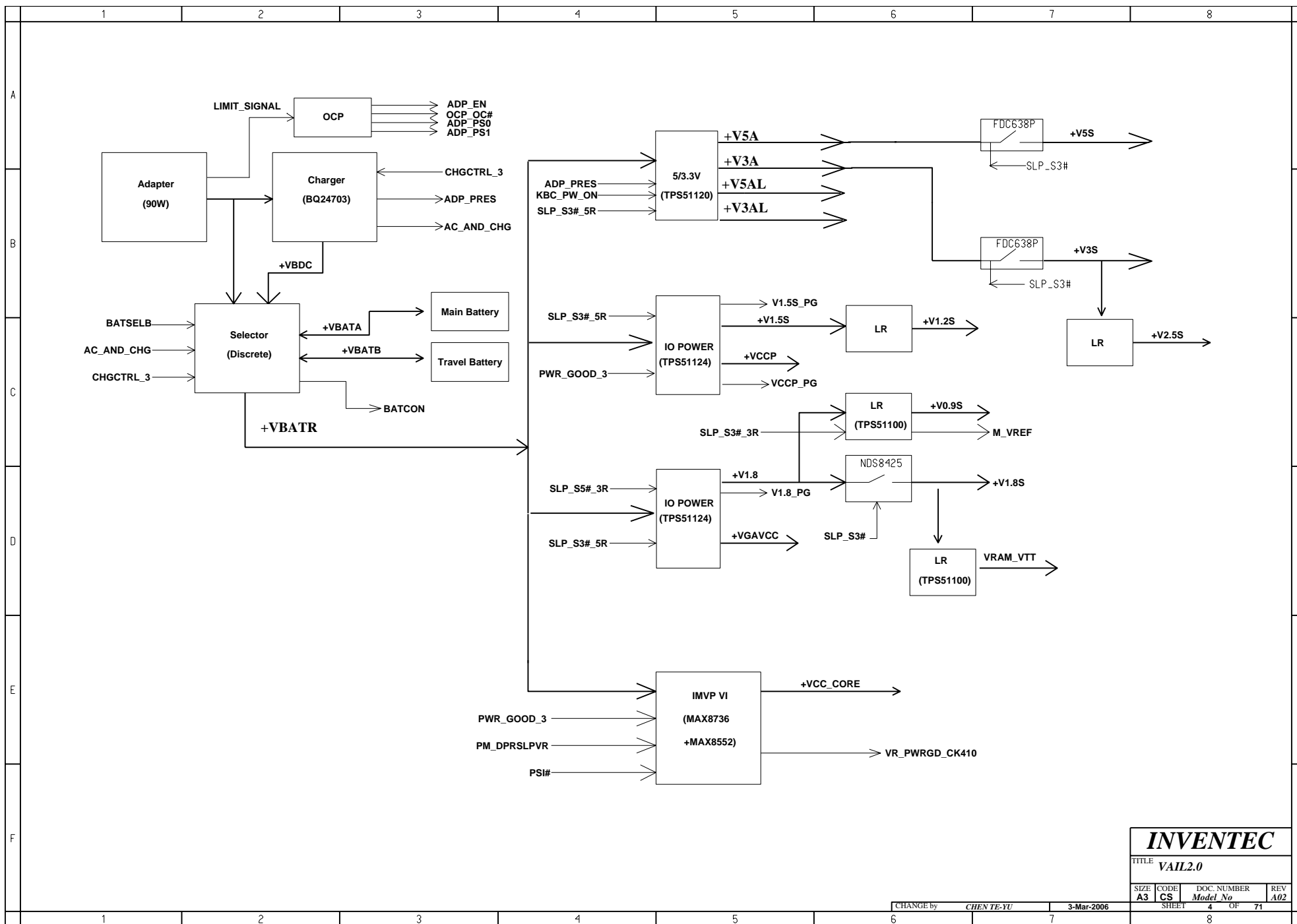
TITLE **VAIL2.0**

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

CHANGE by **CHEN TE-YU** 3-Mar-2006

SHEET **2** OF **71**





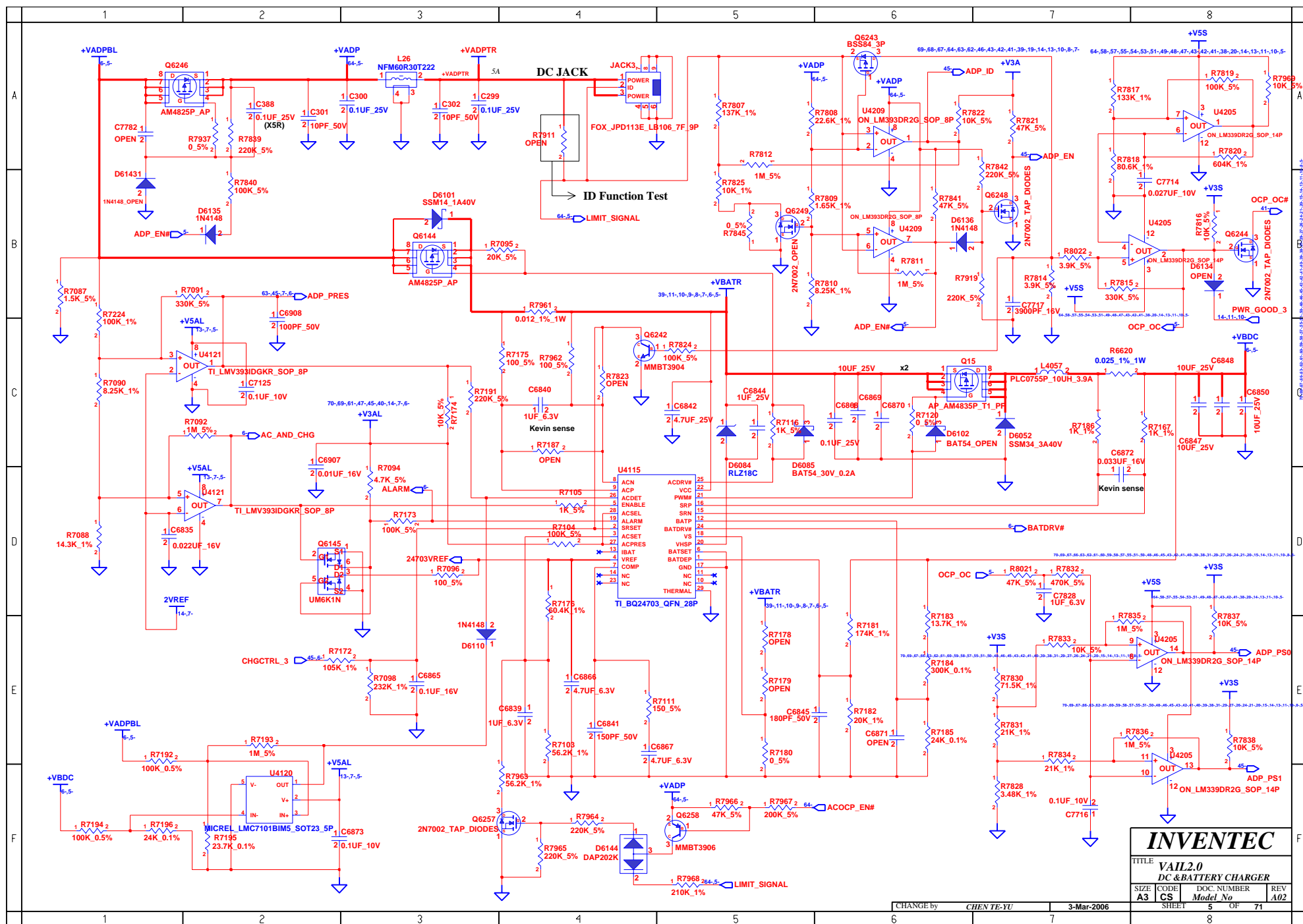
INVENTEC

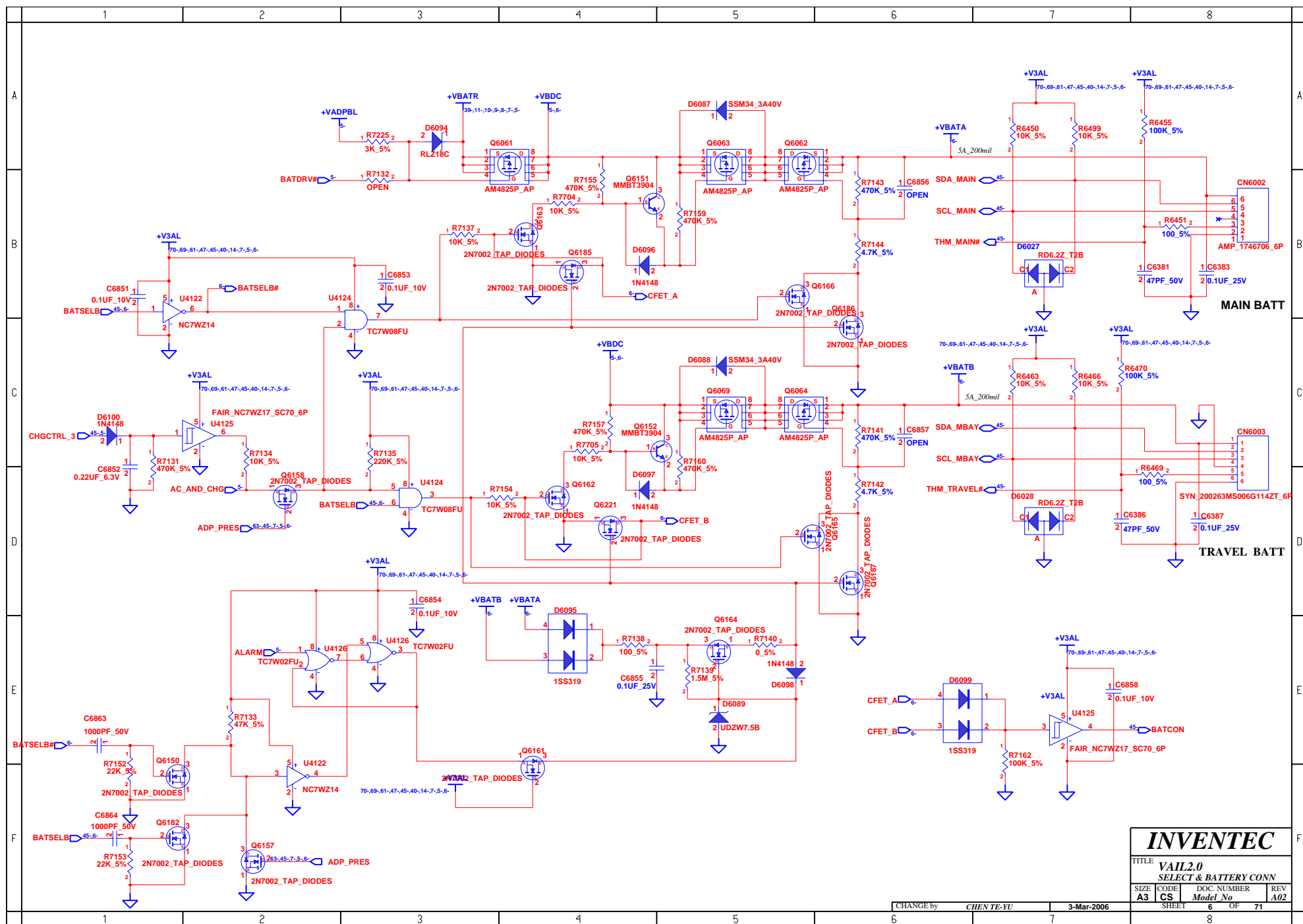
TITLE
VAIL2.0

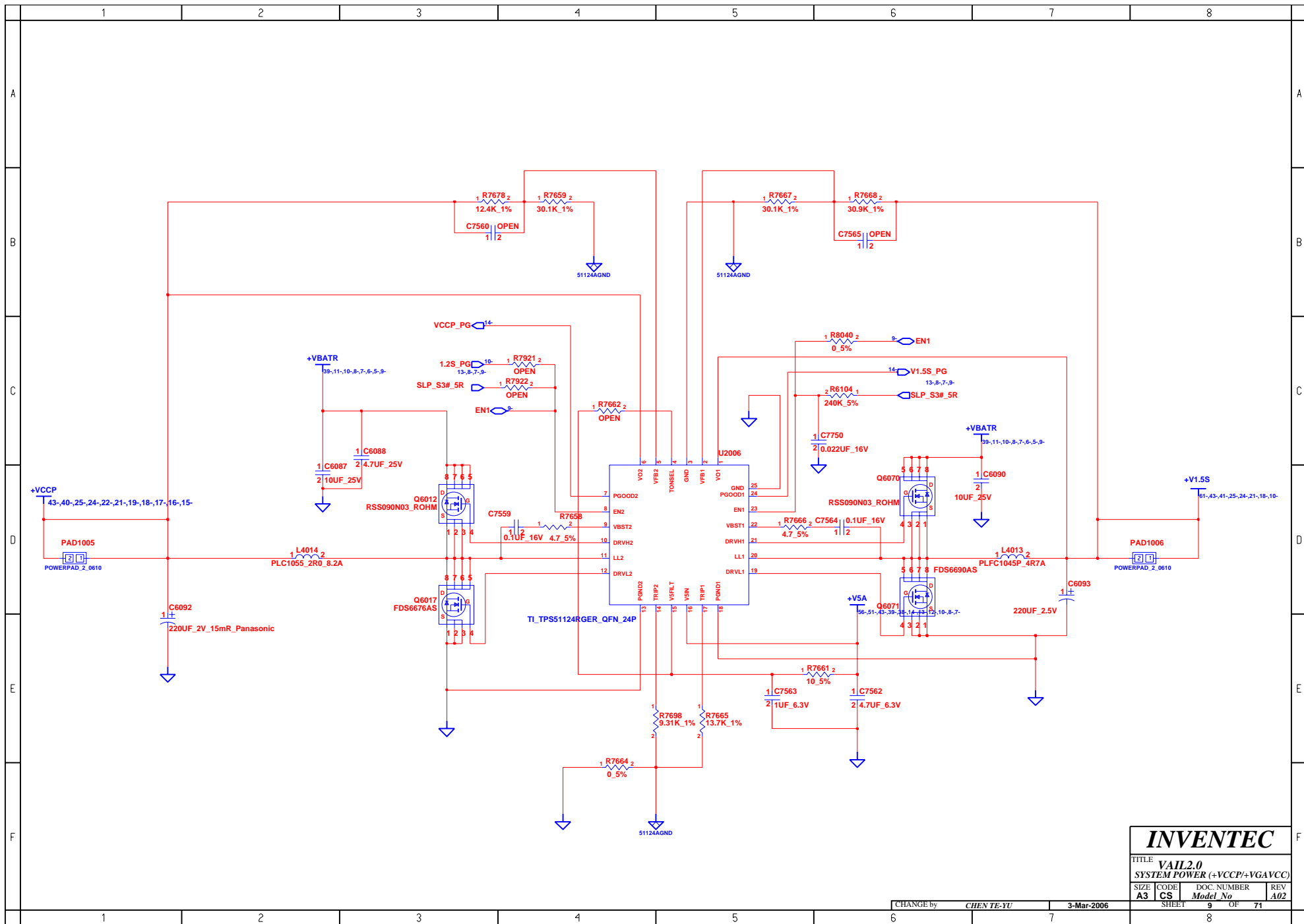
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	A02

CHANGE by **CHEN TE-YU** 3-Mar-2006

SHEET 4 OF 71





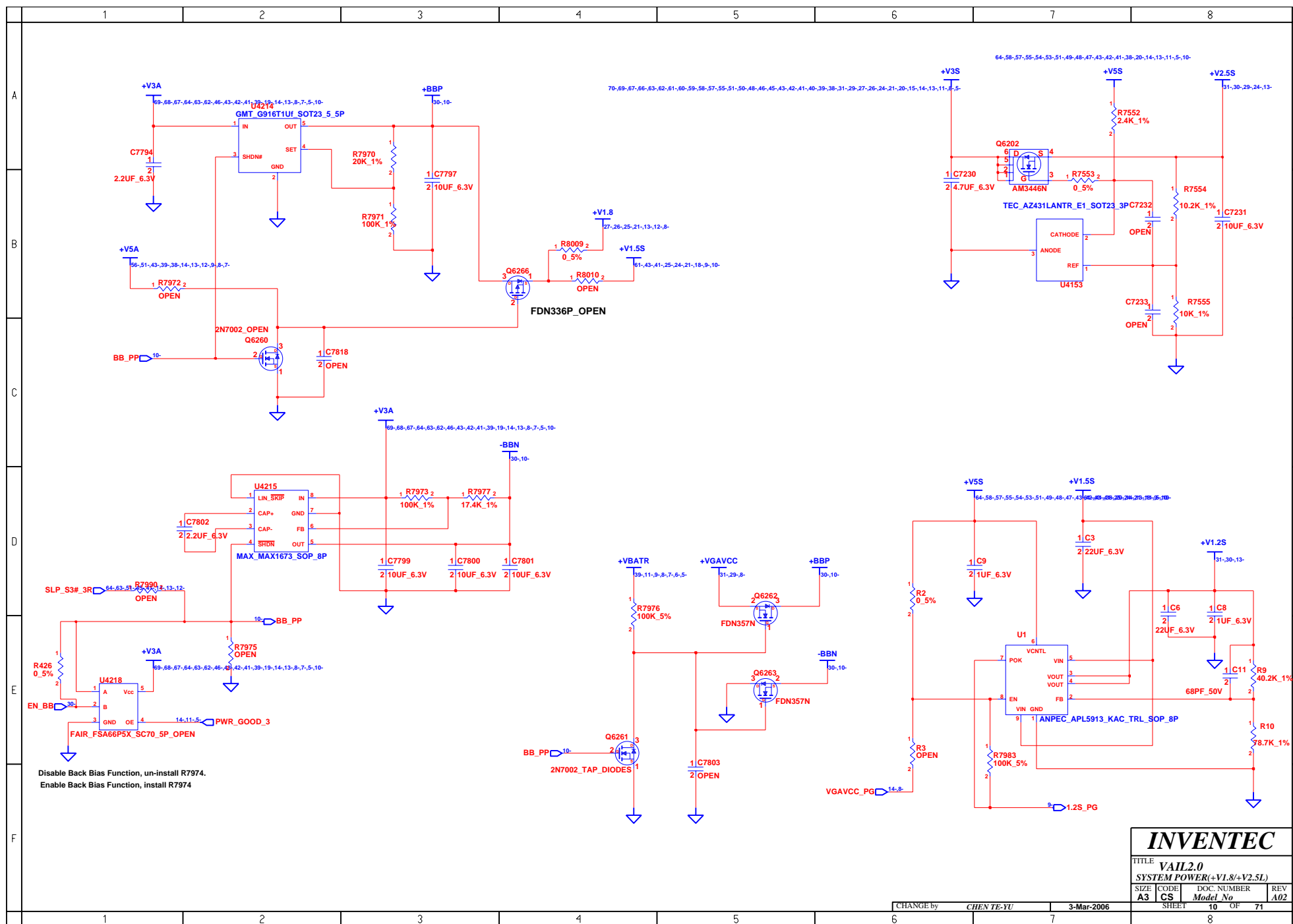


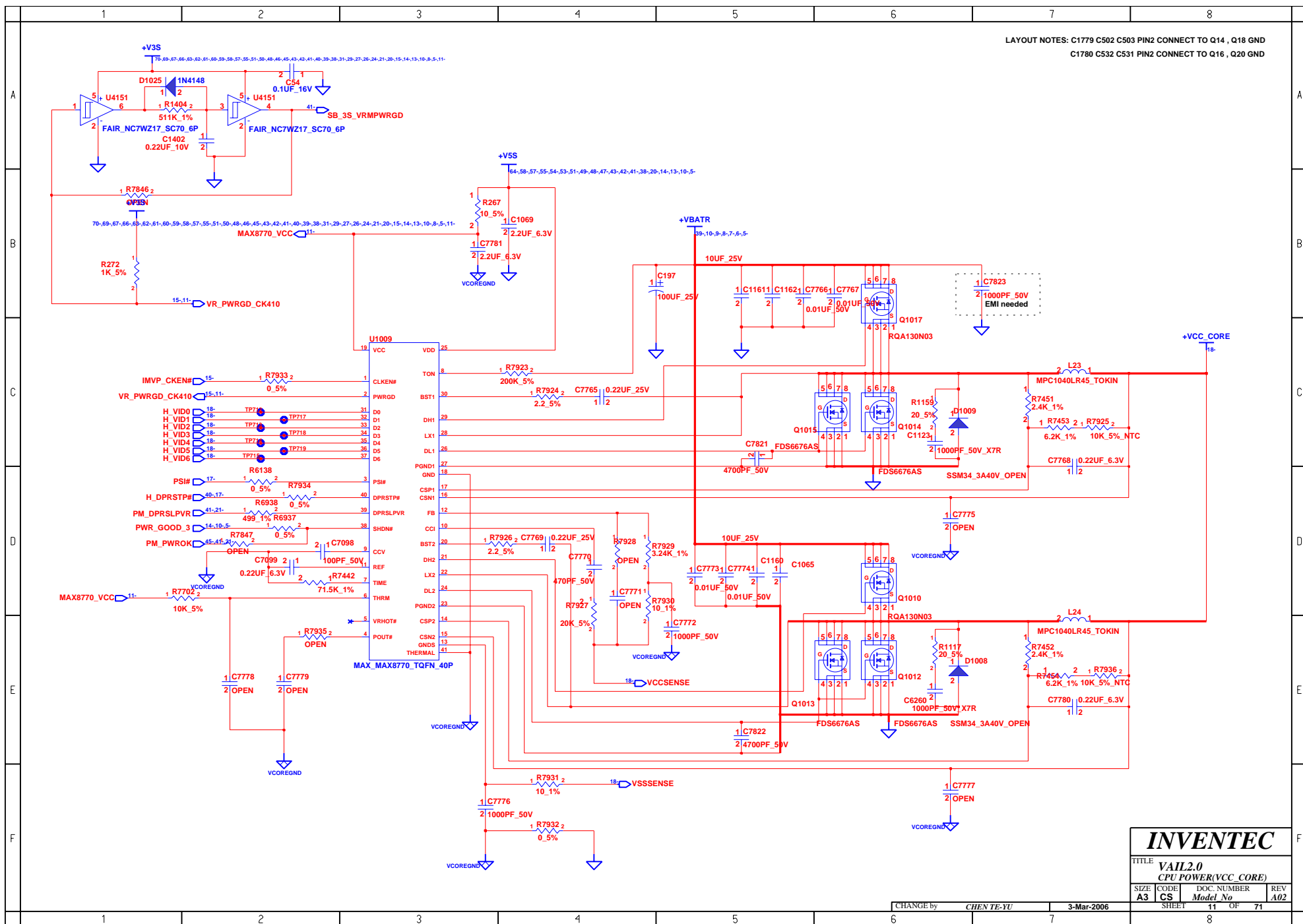
INVENTEC

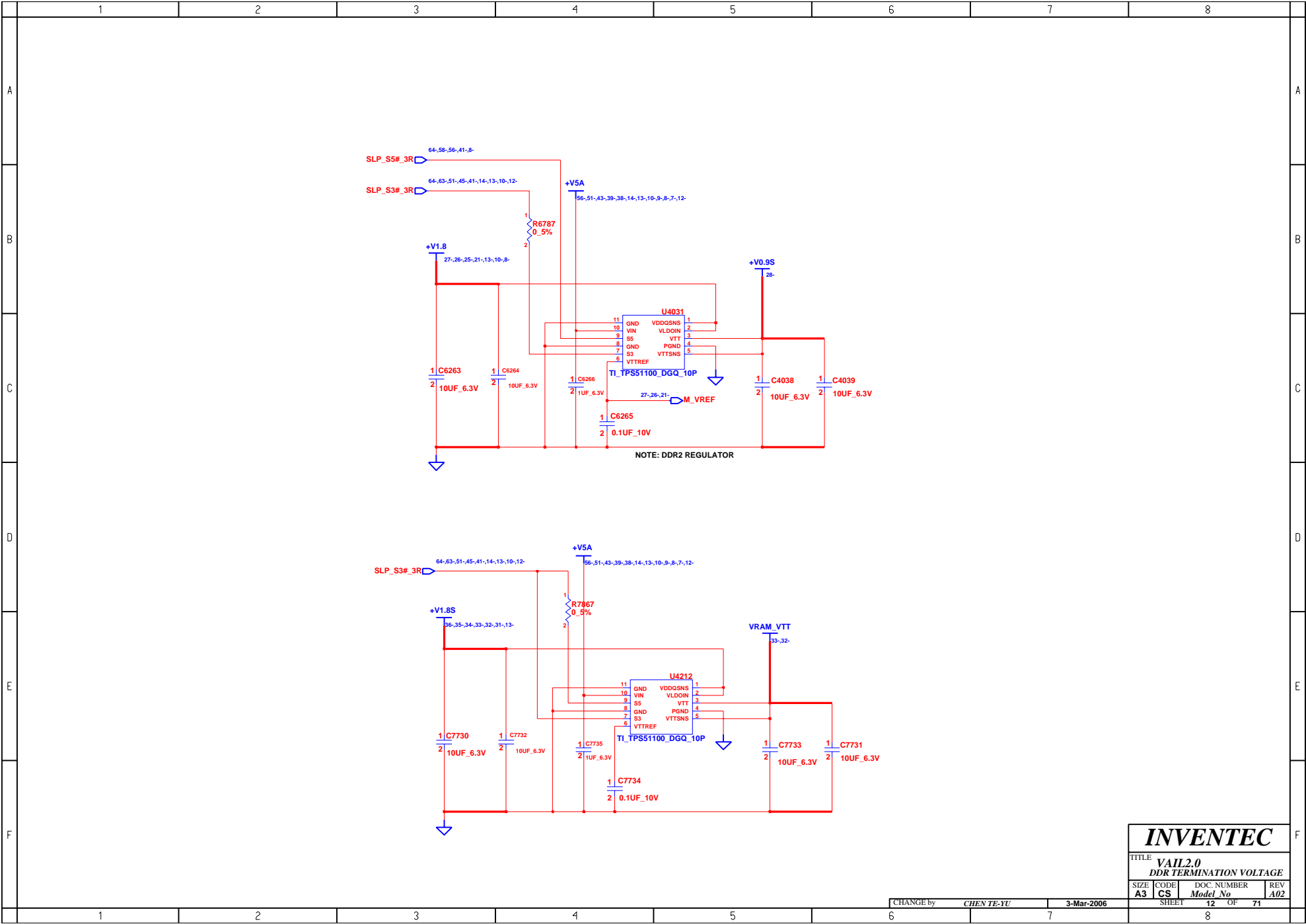
TITLE			
VAIL2.0			
SYSTEM POWER (+VCCP/+VGA/VCC)			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	A02

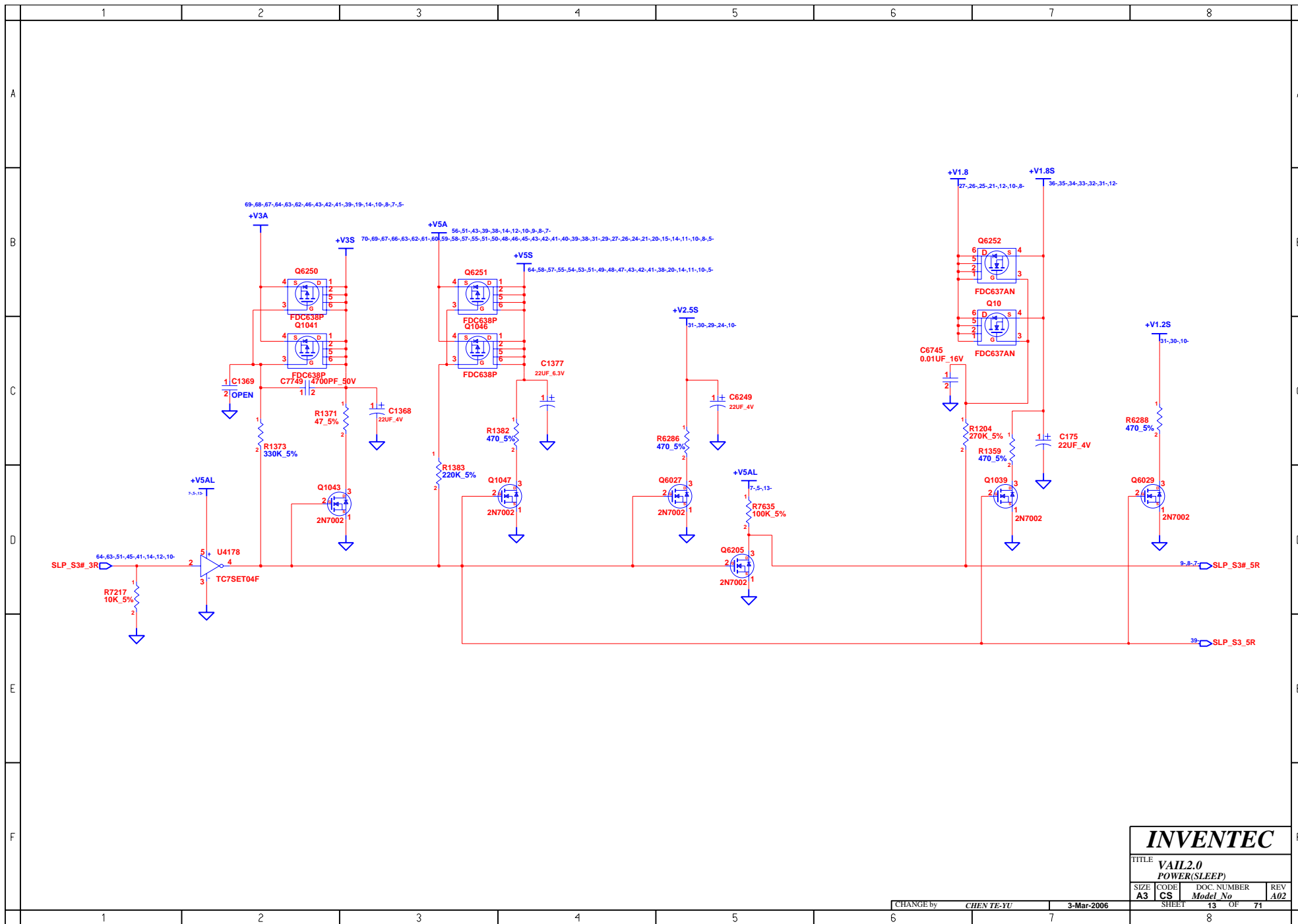
CHANGE by CHEN TE-YU 3-Mar-2006

SHEET 9 OF 71









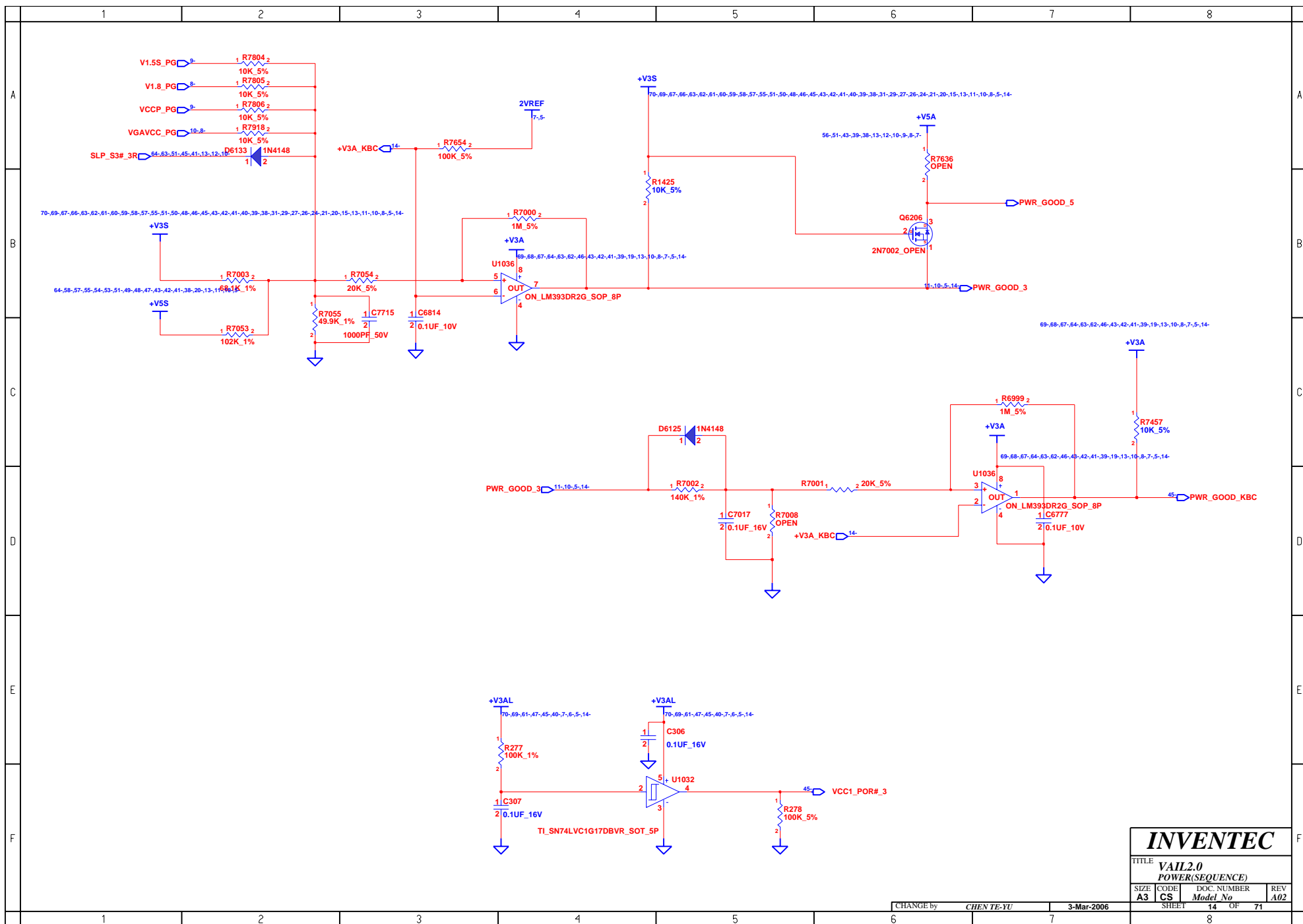
INVENTEC

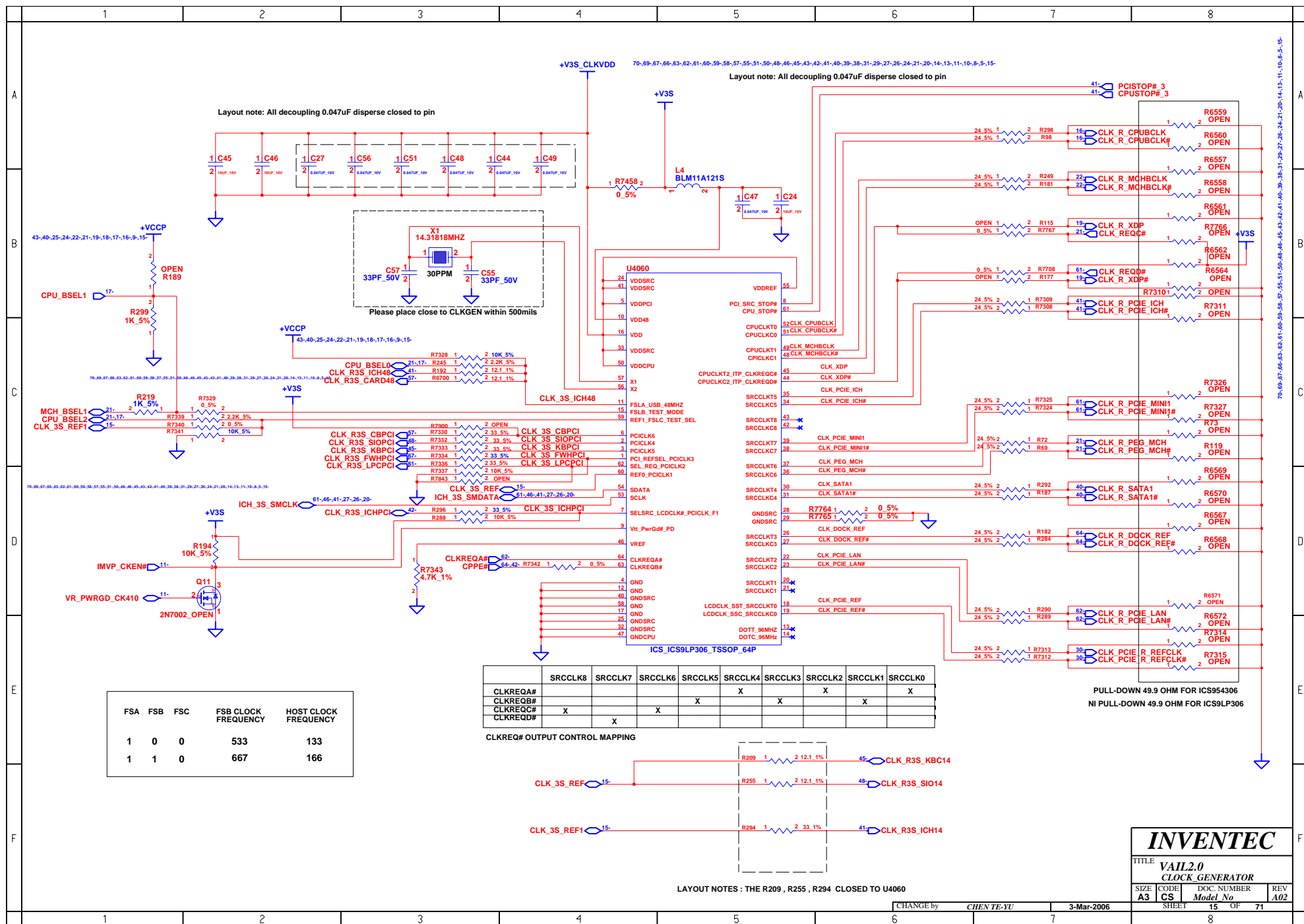
TITLE
**VAIL2.0
POWER(SLEEP)**

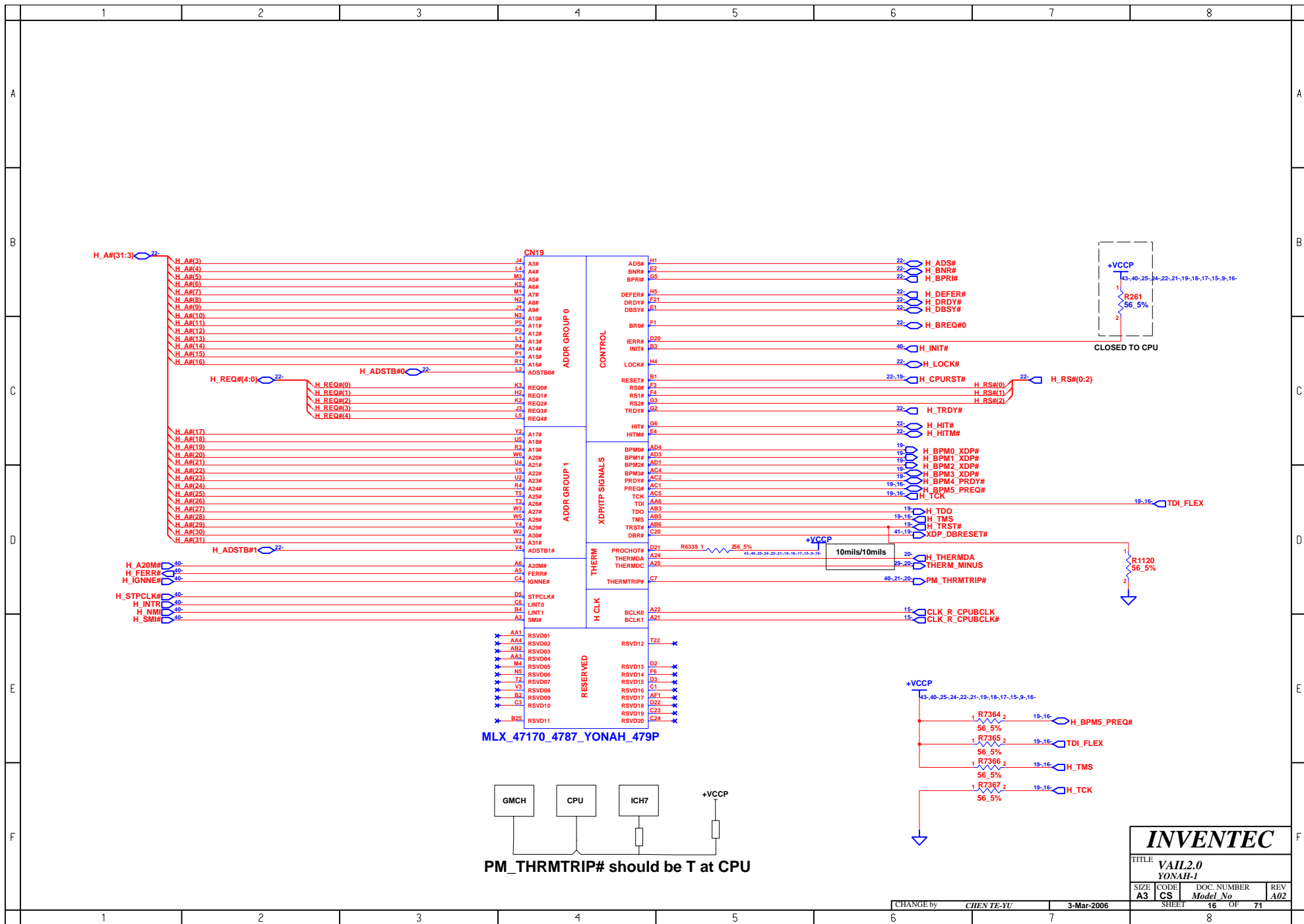
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	A02

CHANGE by **CHEN TE-YU** 3-Mar-2006

SHEET 13 OF 71





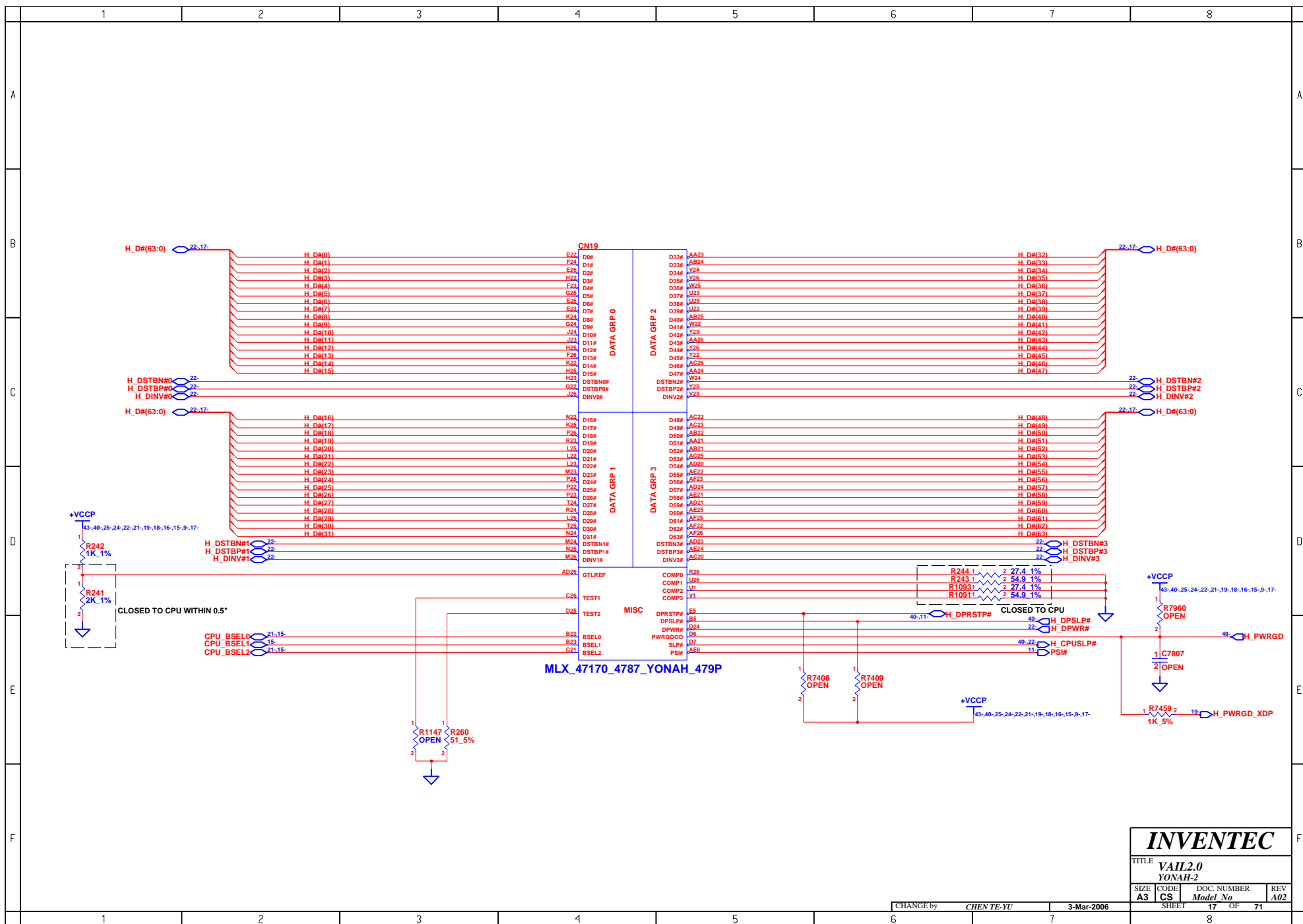


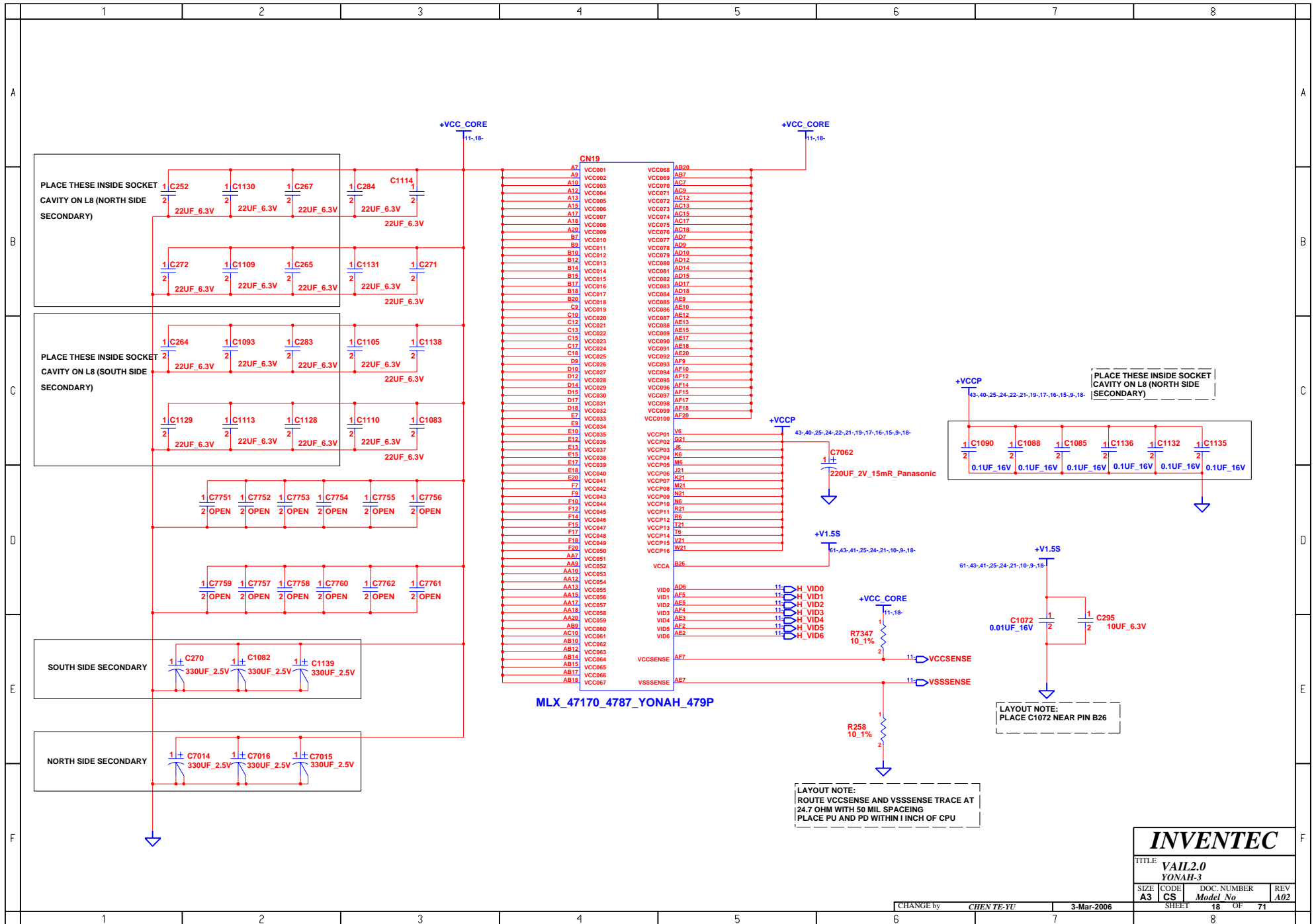
INVENTEC

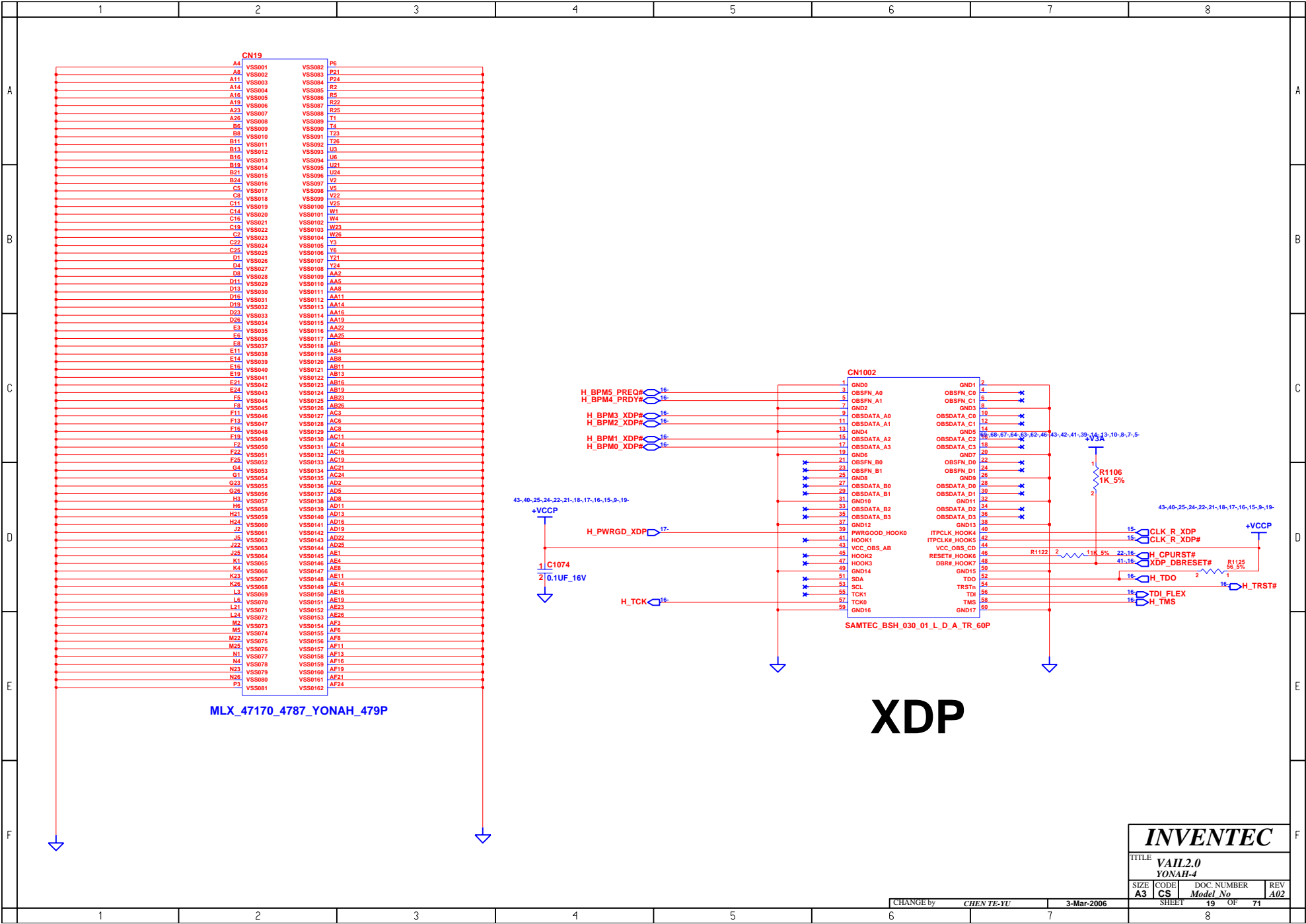
TITLE			
VAIL2.0			
YONAH-1			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	A02

CHANGE by CHEN TE-YU 3-Mar-2006

SHEET 16 OF 71





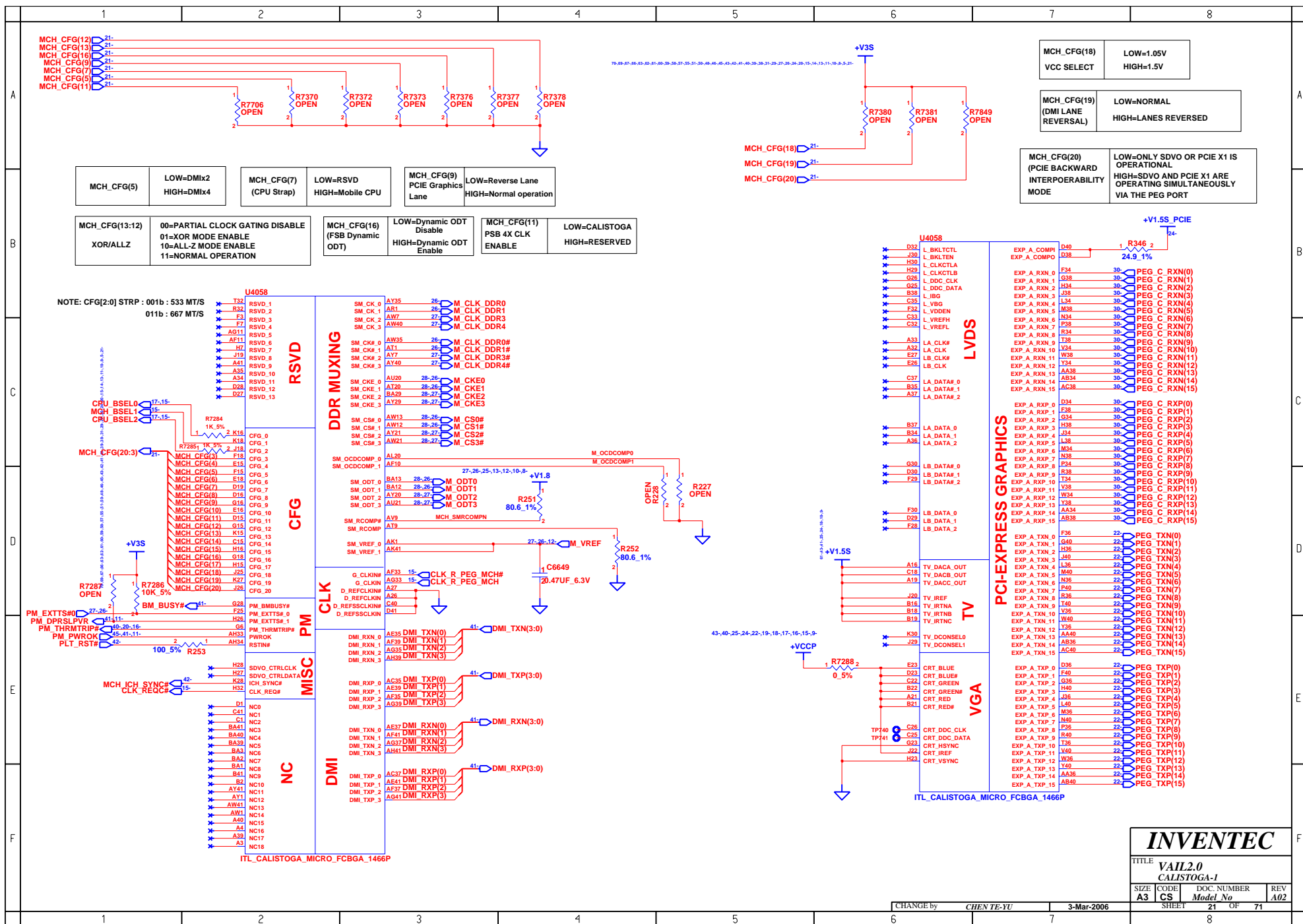


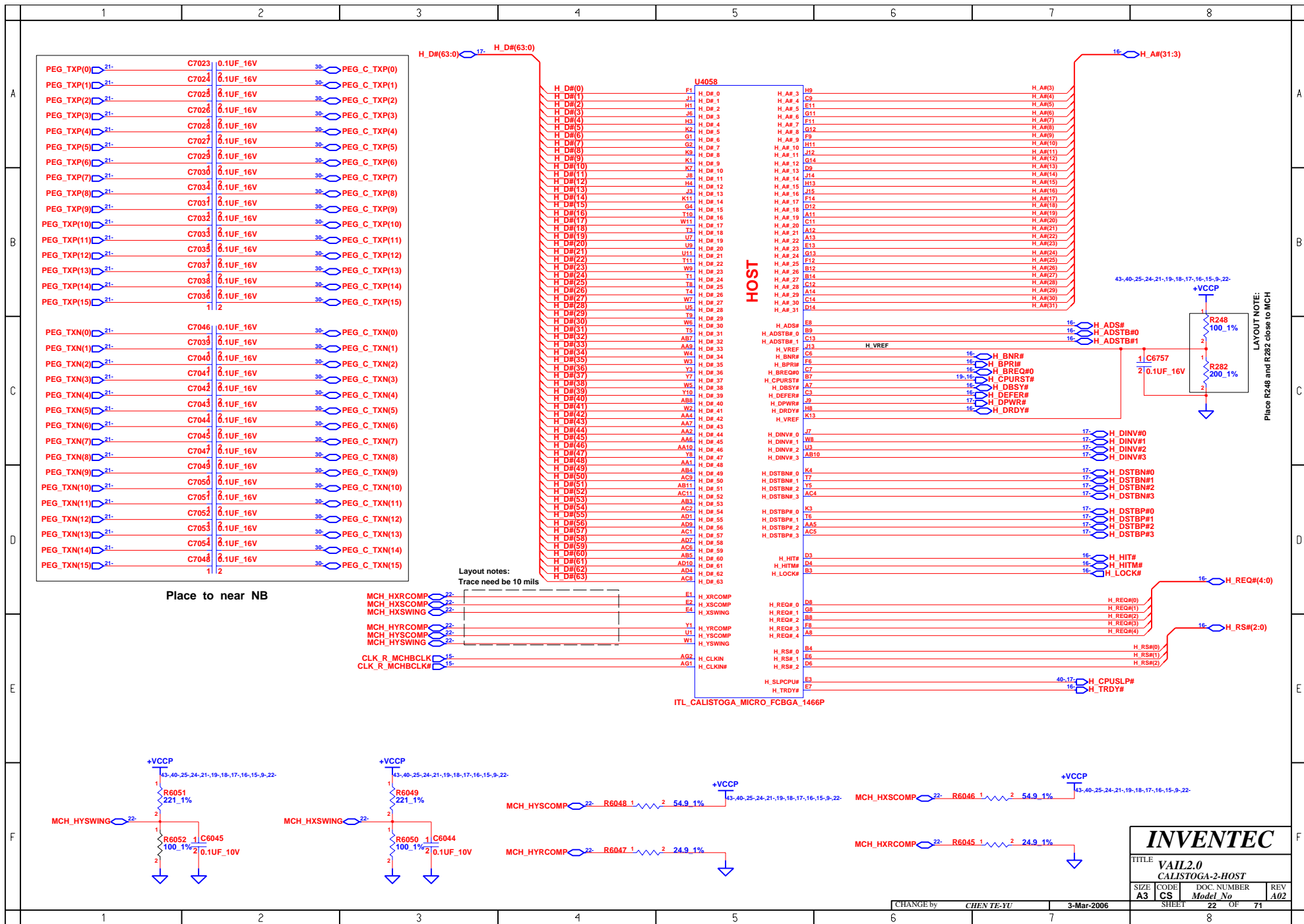
INVENTEC

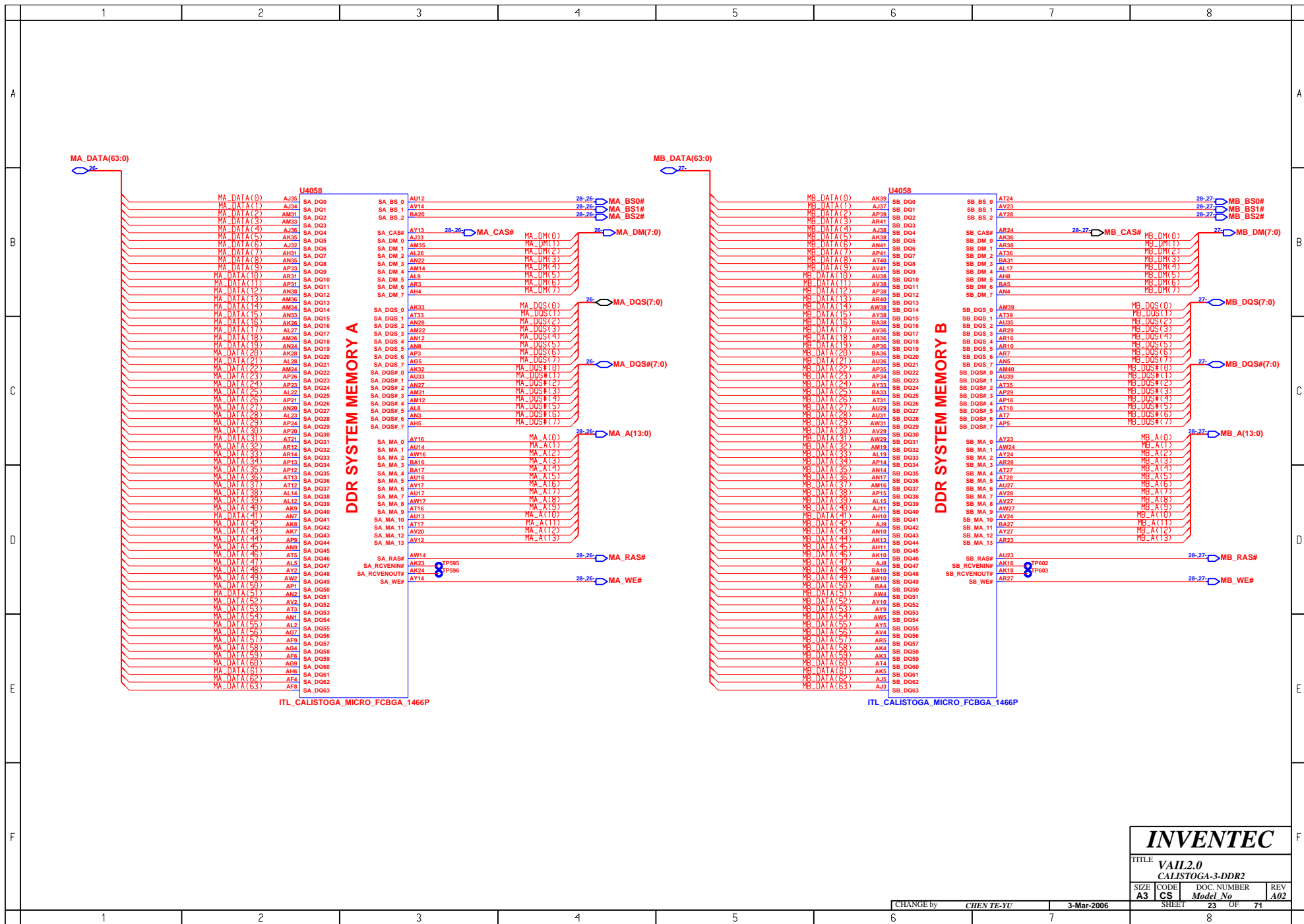
TITLE VAIL2.0 YONAH-4			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV A02

CHANGE by CHEN TE-YU 3-Mar-2006

SHEET 19 OF 71







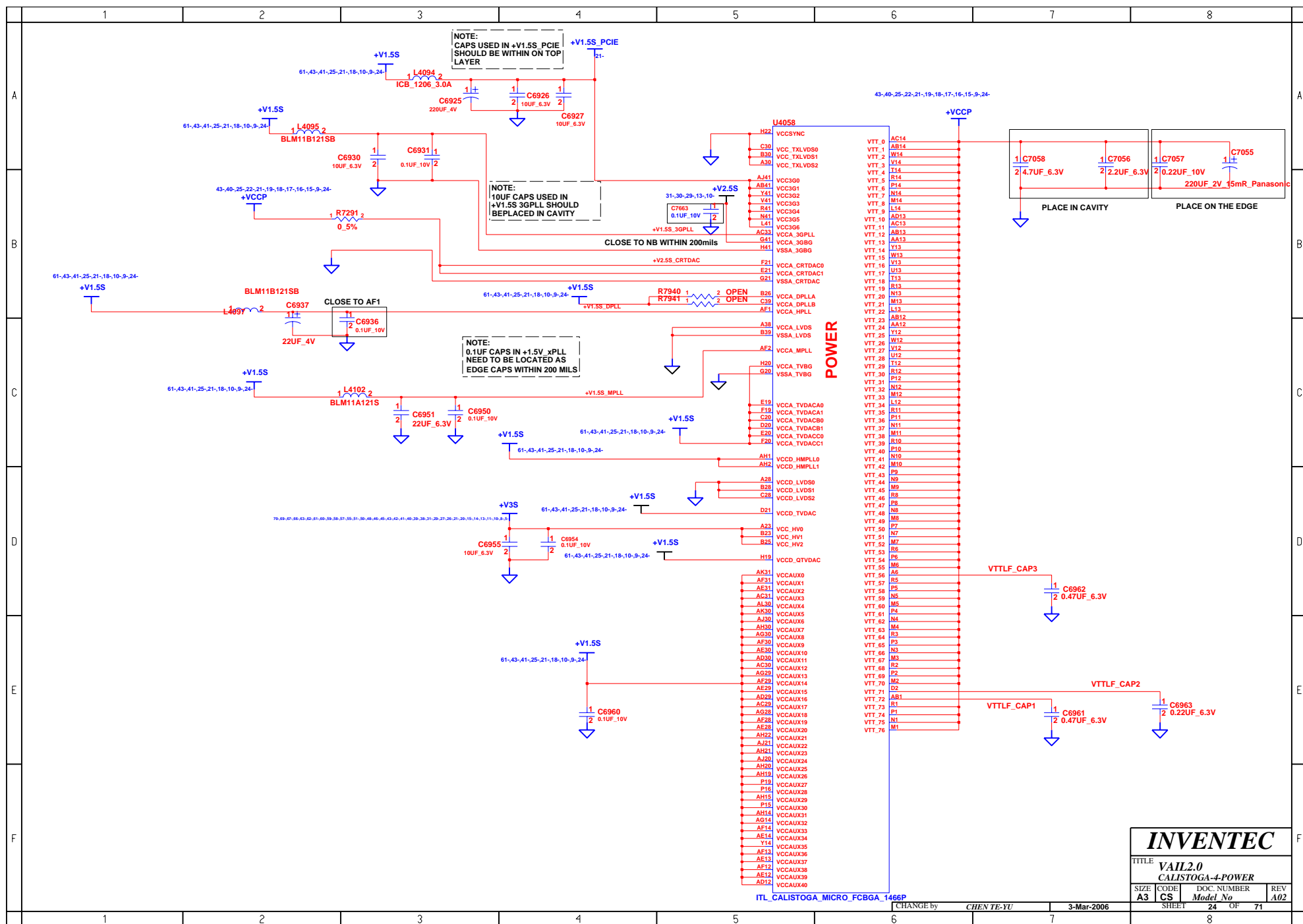
INVENTEC

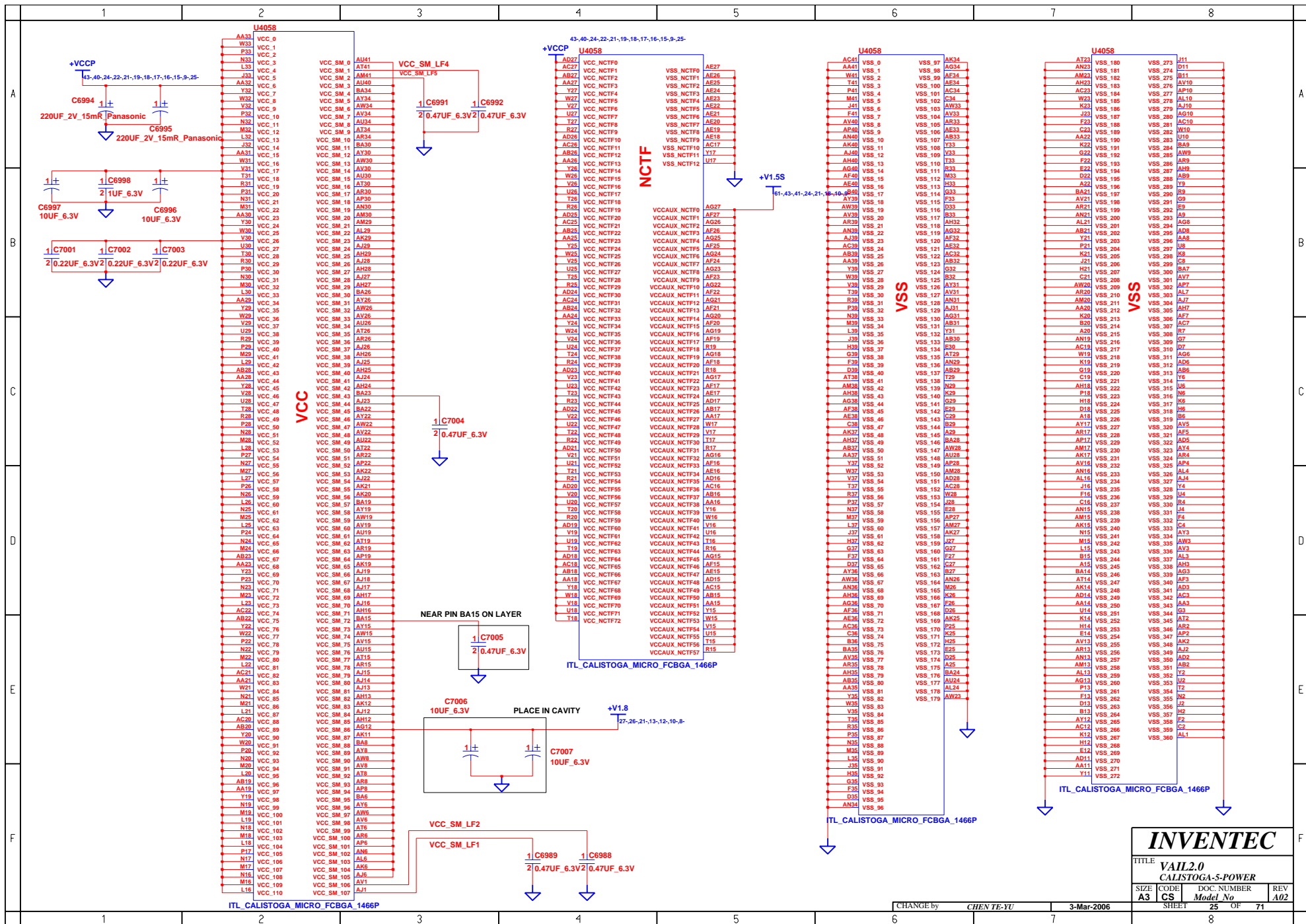
TITLE
**VAIL2.0
CALISTOGA-3-DDR2**

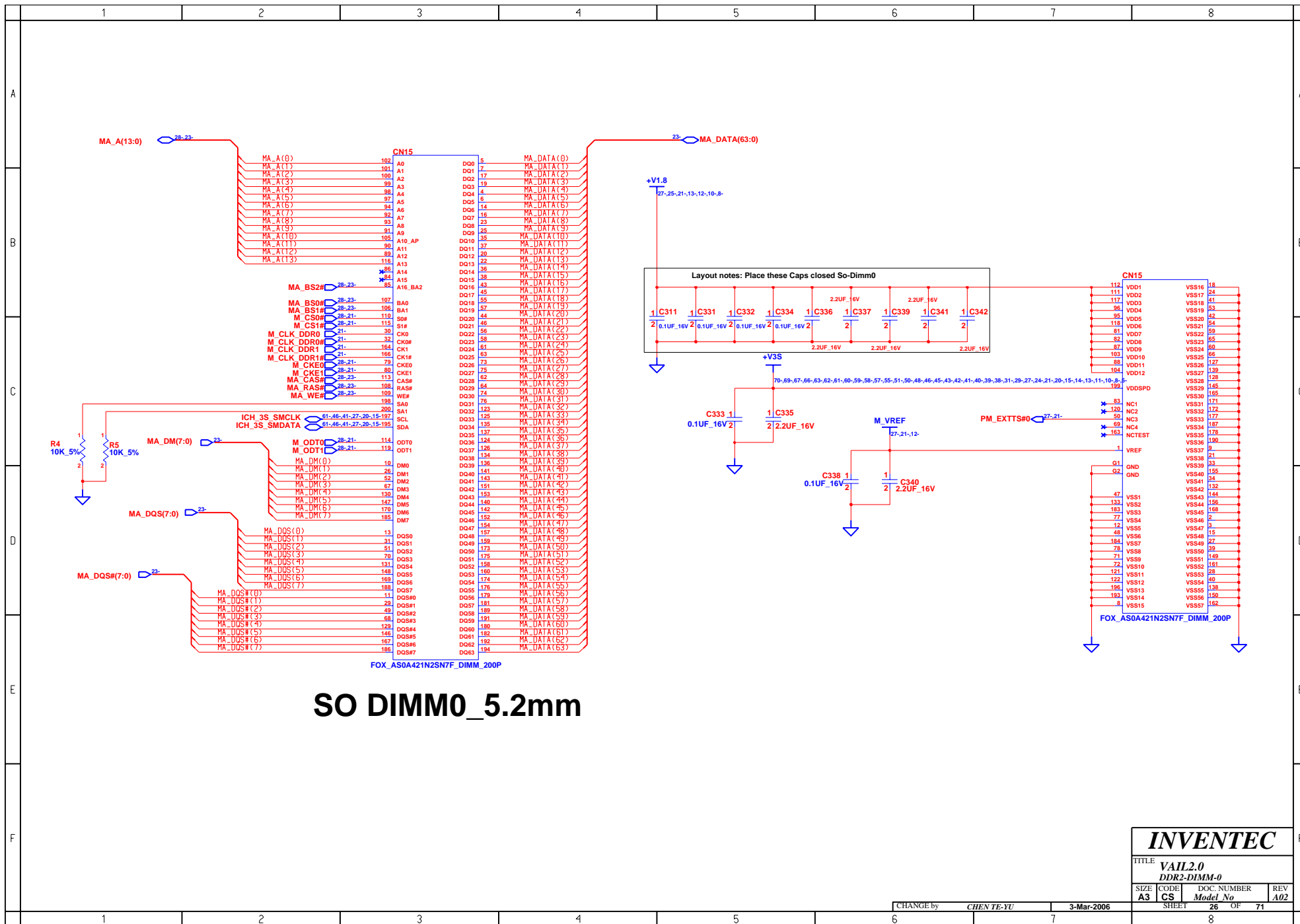
SIZE A3	CODE CS	DOC. NUMBER Model No	REV A02
-------------------	-------------------	--------------------------------	-------------------

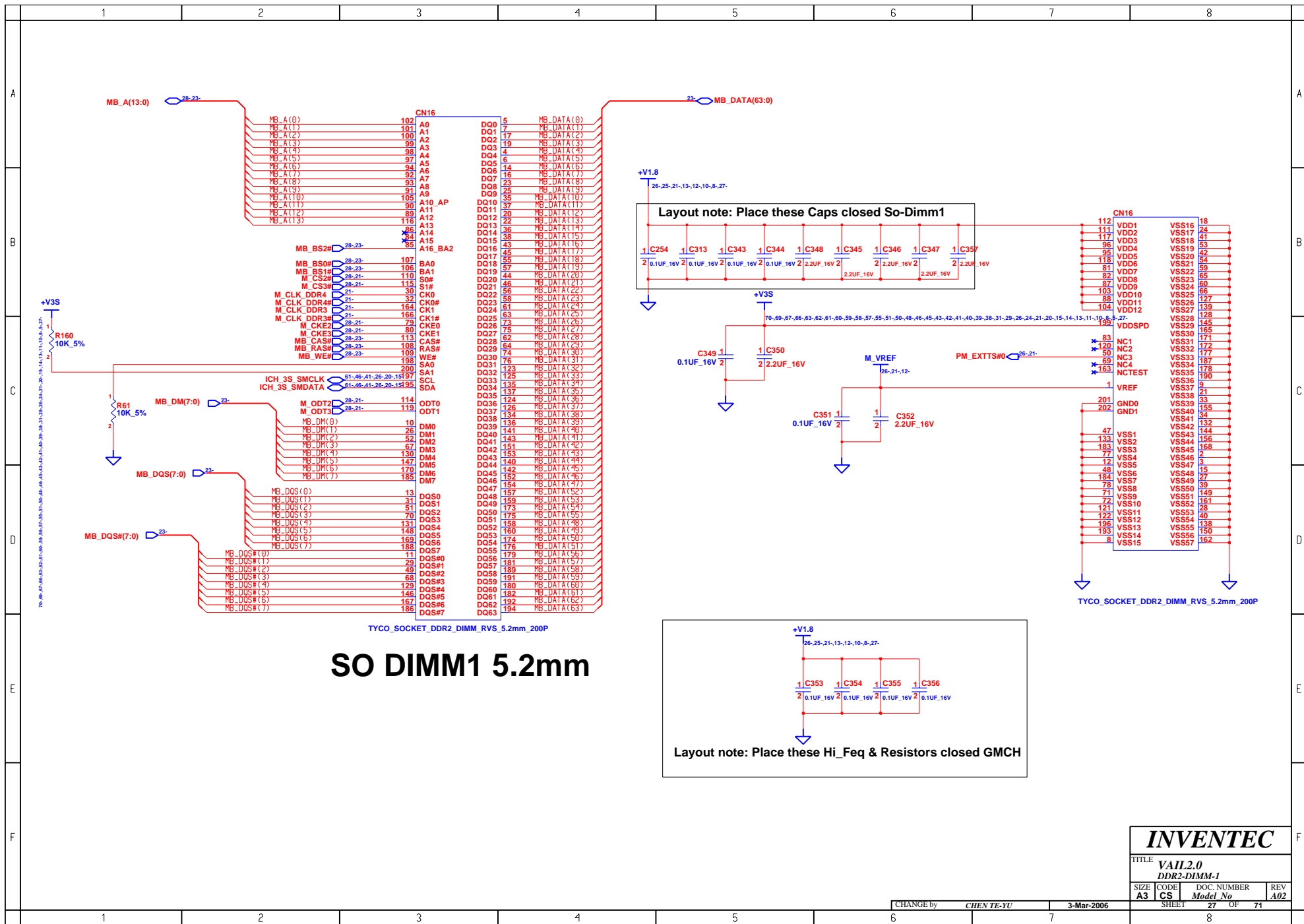
CHANGE by **CHEN TE-YU** 3-Mar-2006

SHEET **23** OF **71**









SO DIMM1 5.2mm

Layout note: Place these Caps closed So-Dimm1

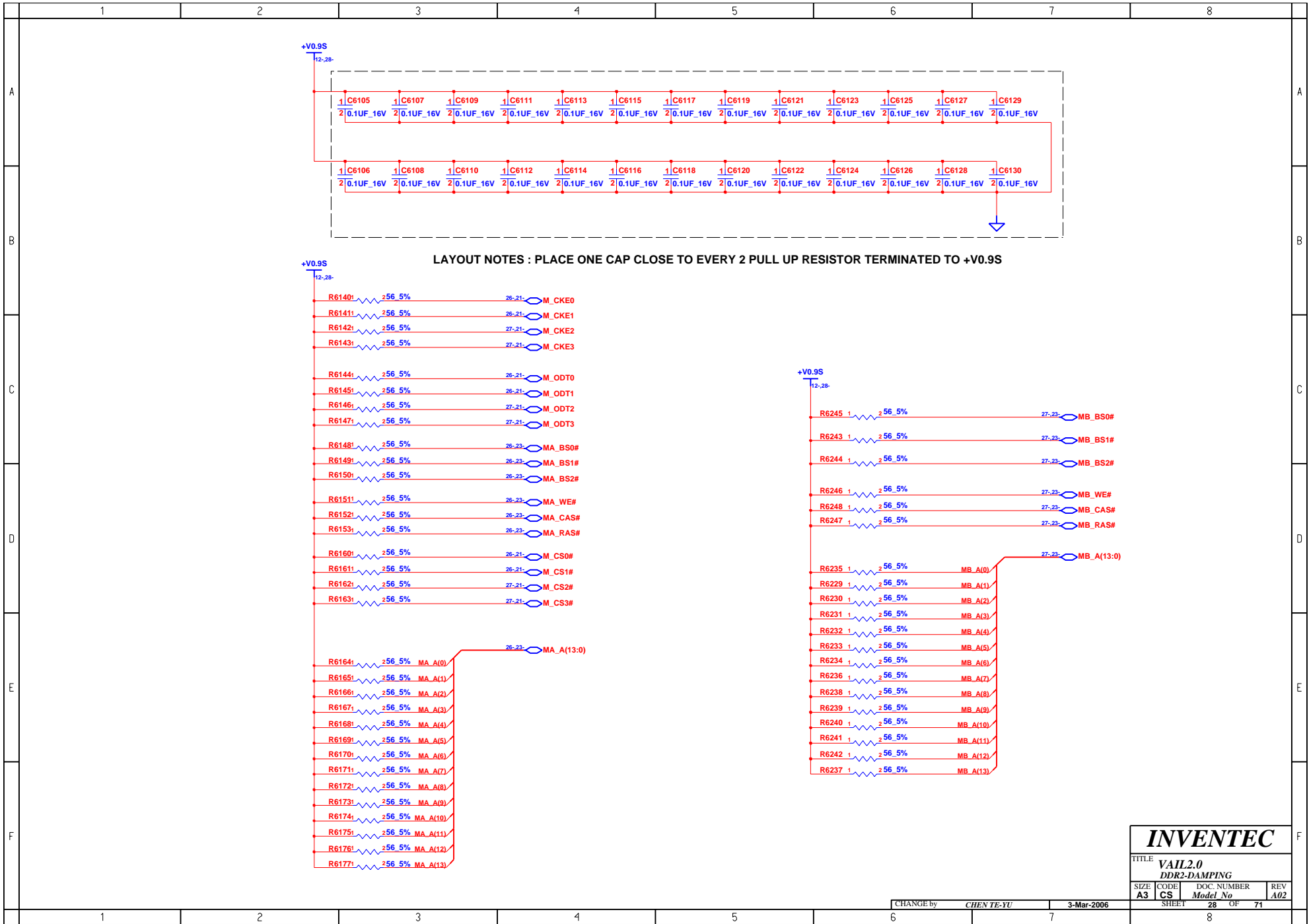
Layout note: Place these Hi_Feq & Resistors closed GMCH

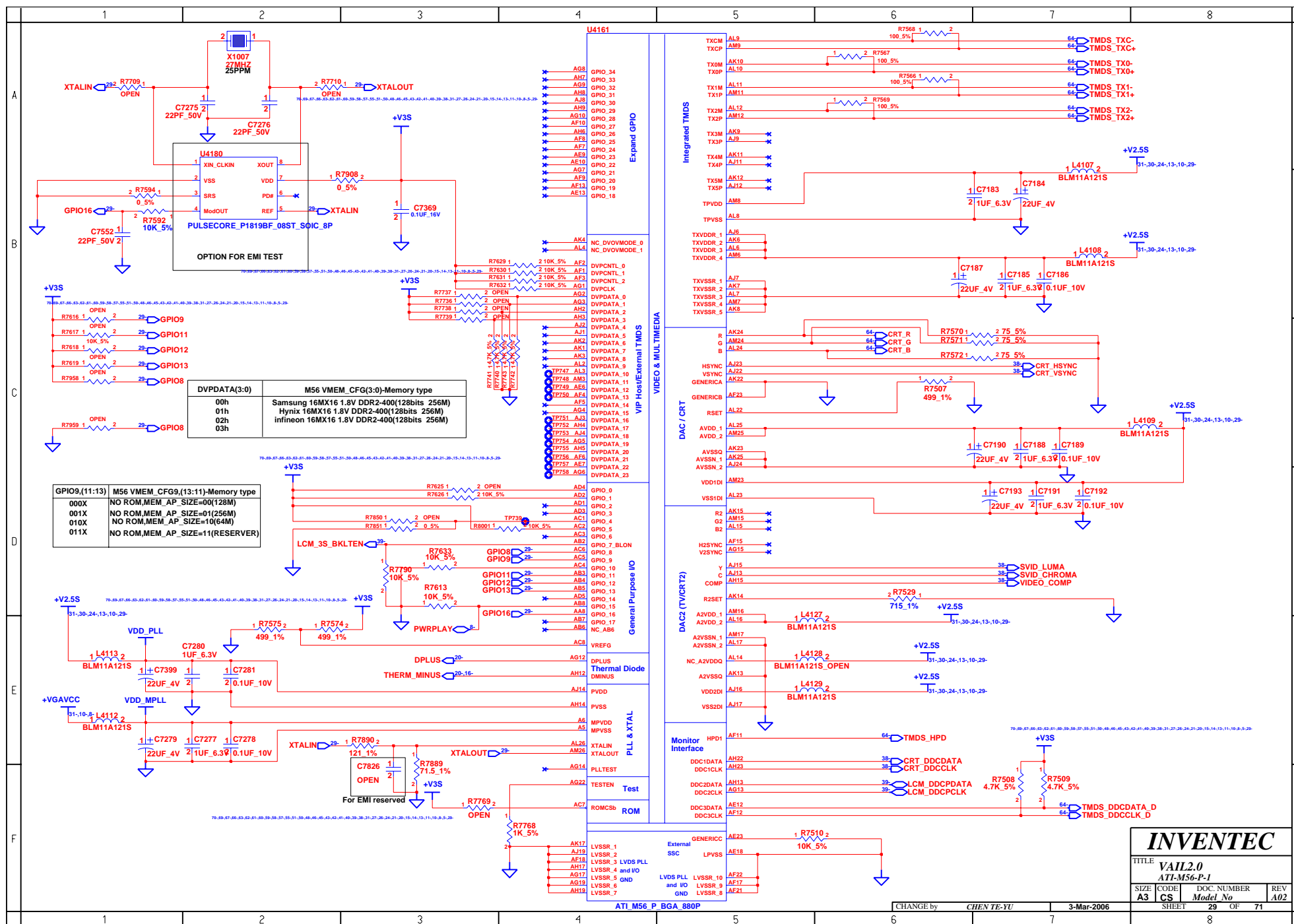
INVENTEC

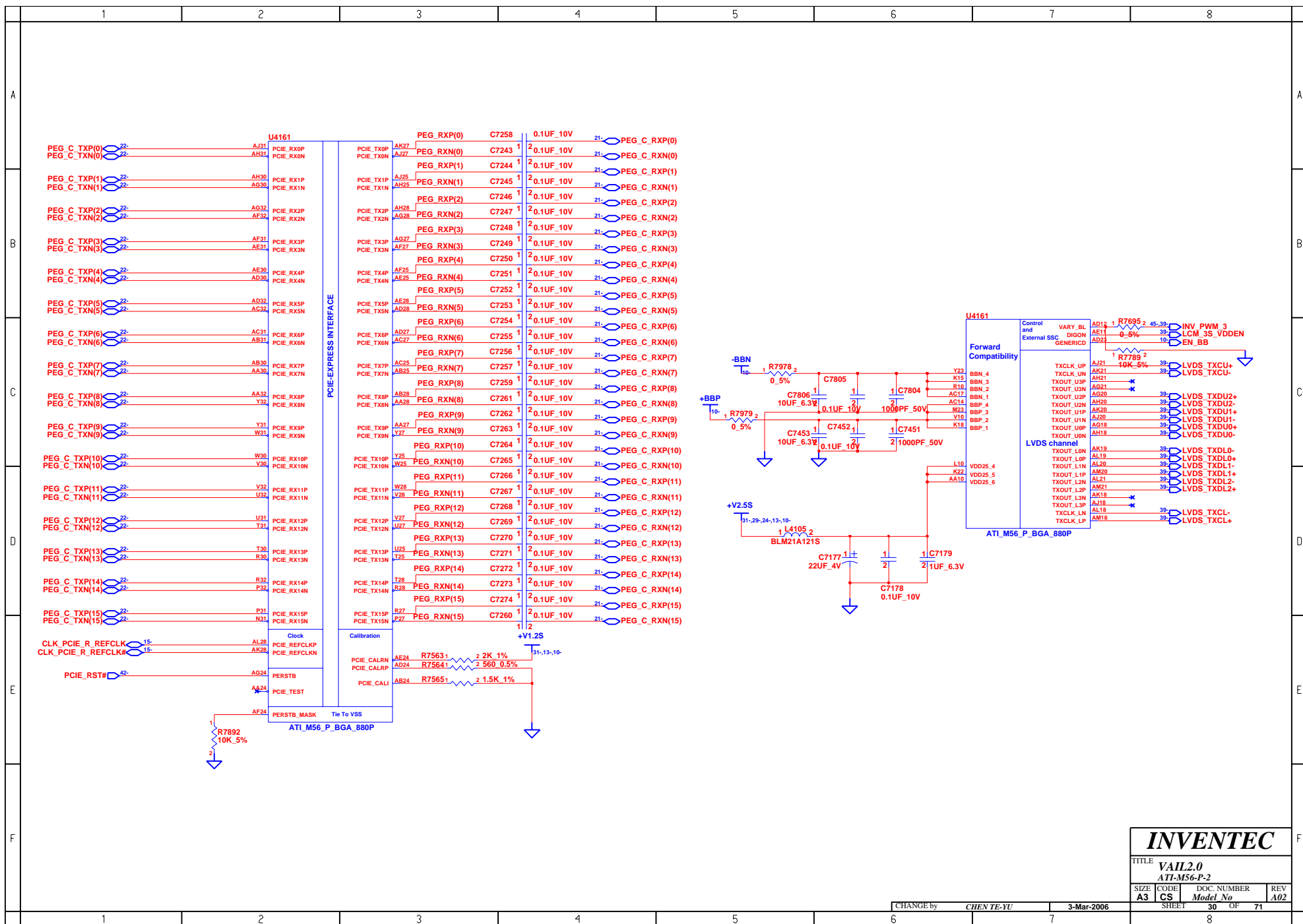
TITLE			
VAIL2.0			
DDR2-DIMM-1			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	A02

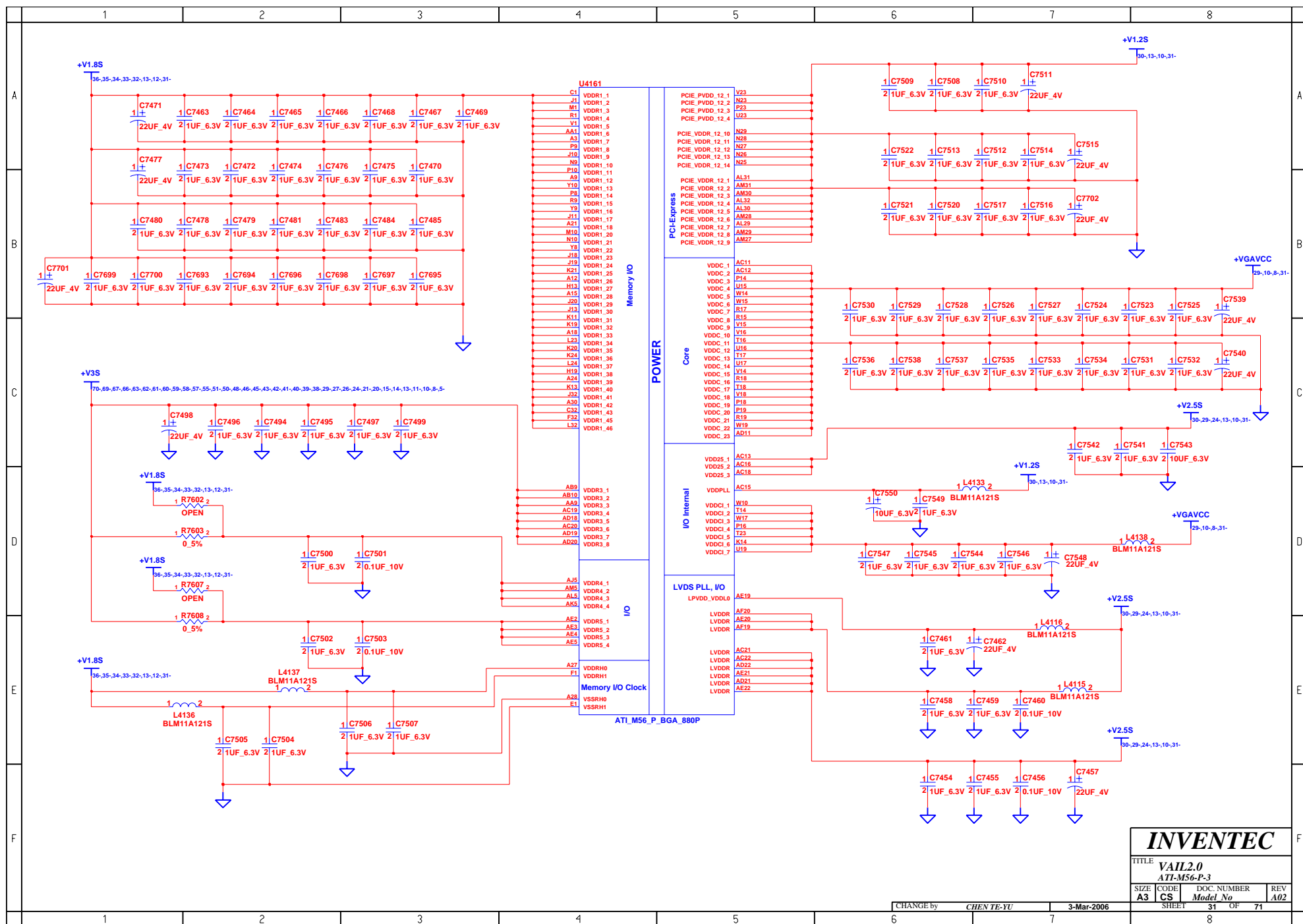
CHANGE by CHEN TE-YU 3-Mar-2006

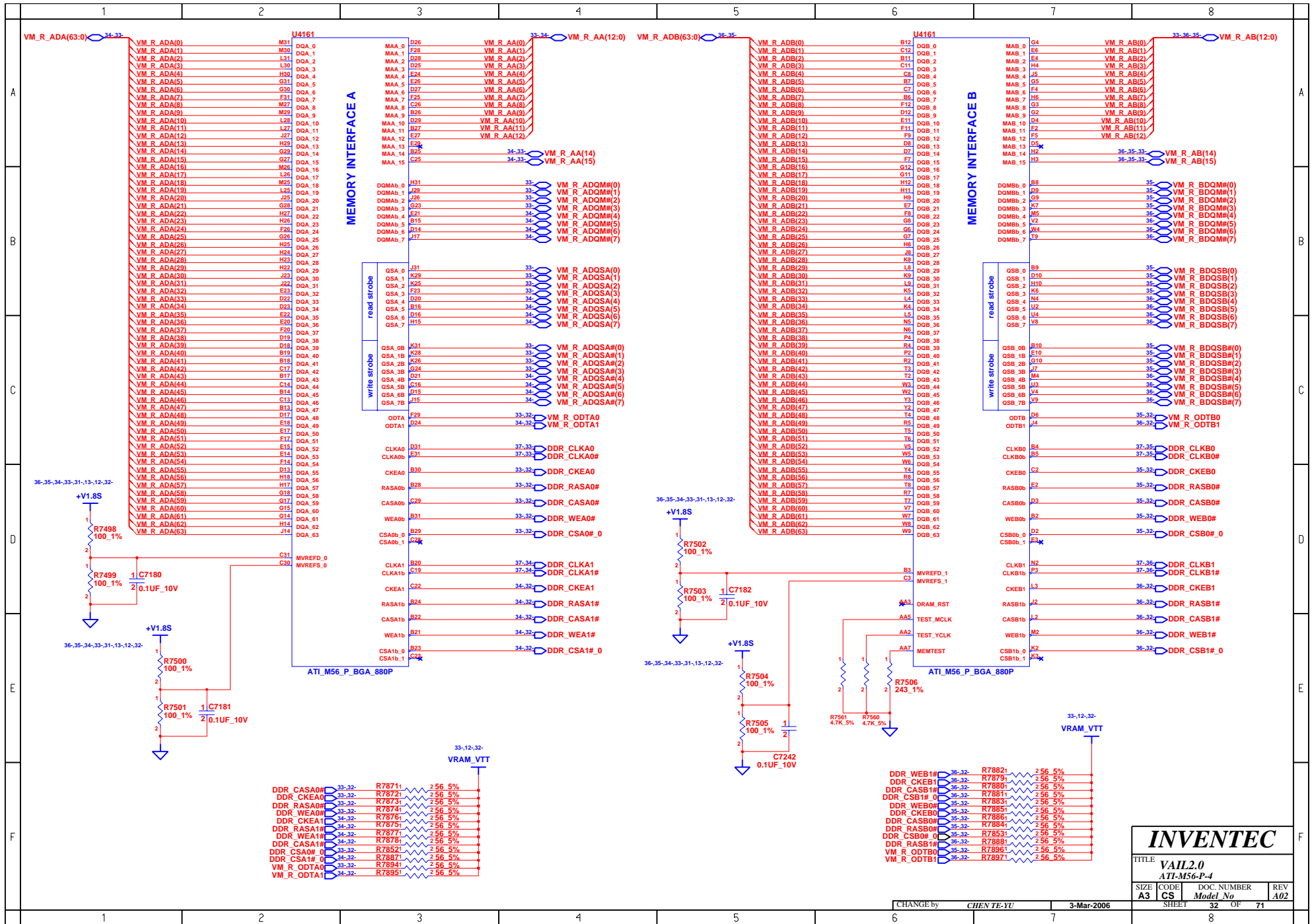
SHEET 27 OF 71

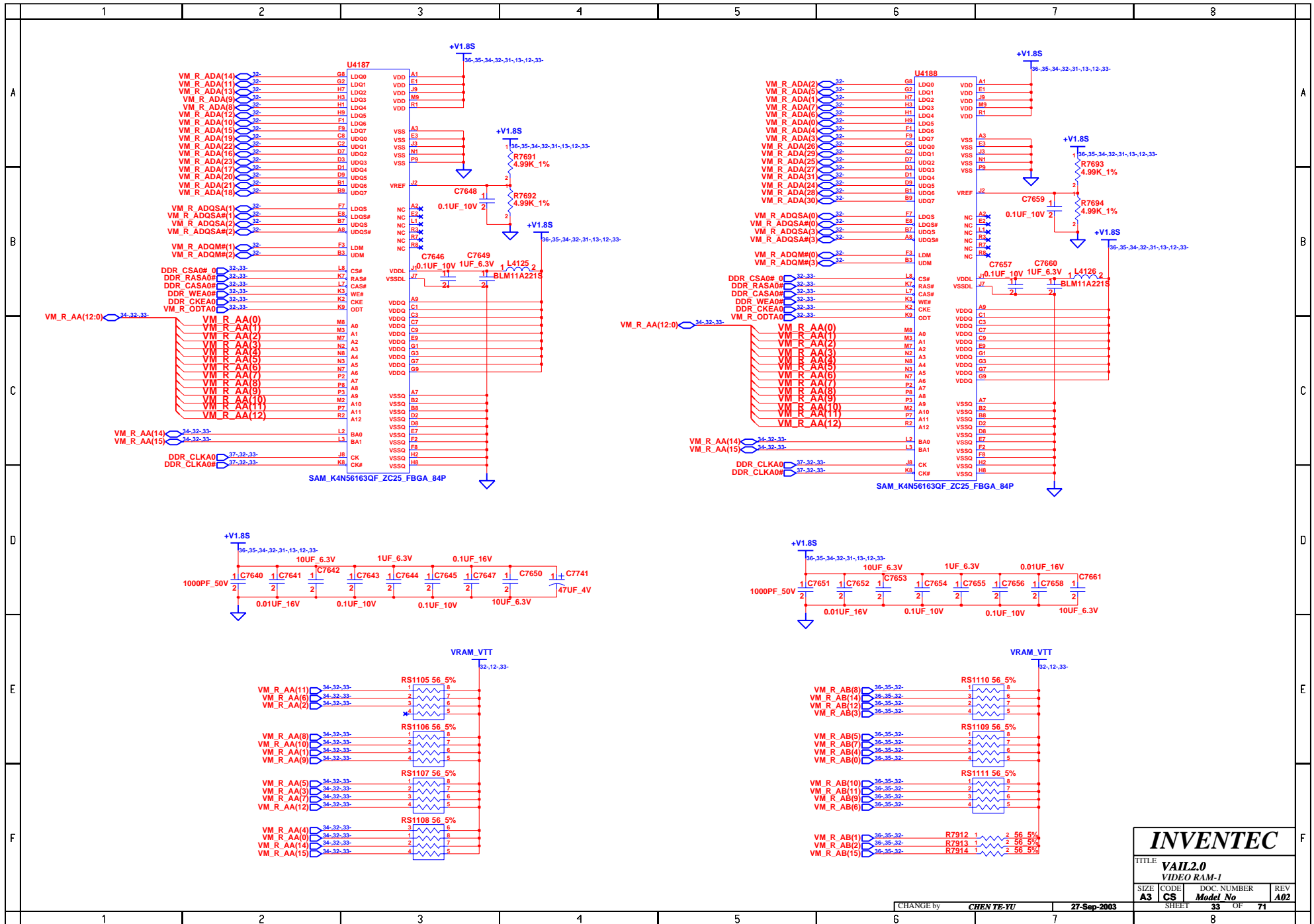










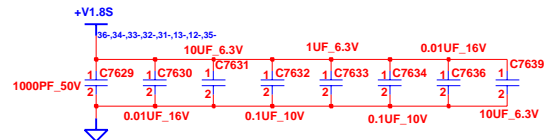
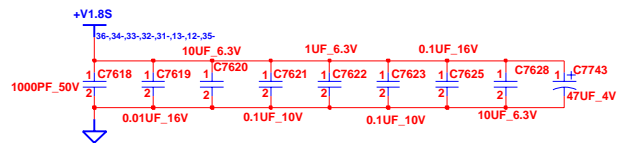


INVENTEC

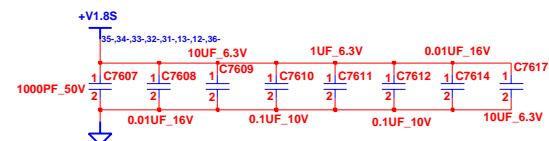
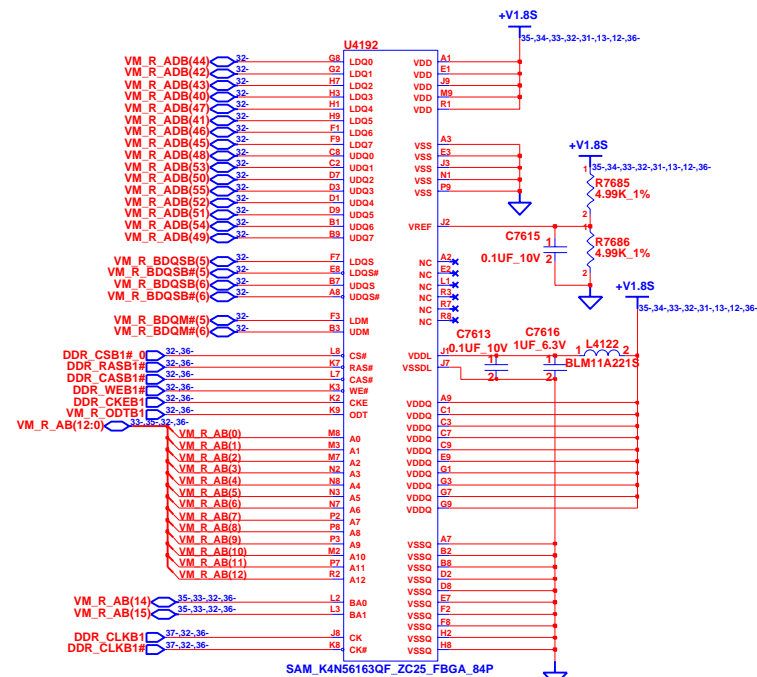
TITLE
VAIL2.0
VIDEO RAM-1

SIZE A3	CODE CS	DOC. NUMBER Model No	REV A02
SHEET 33		OF 71	

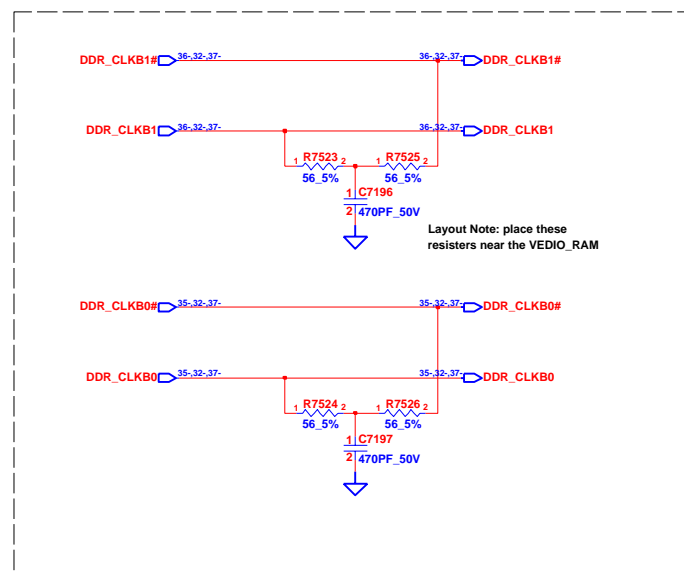
CHANGE by **CHEN TE-YU** **27-Sep-2003**

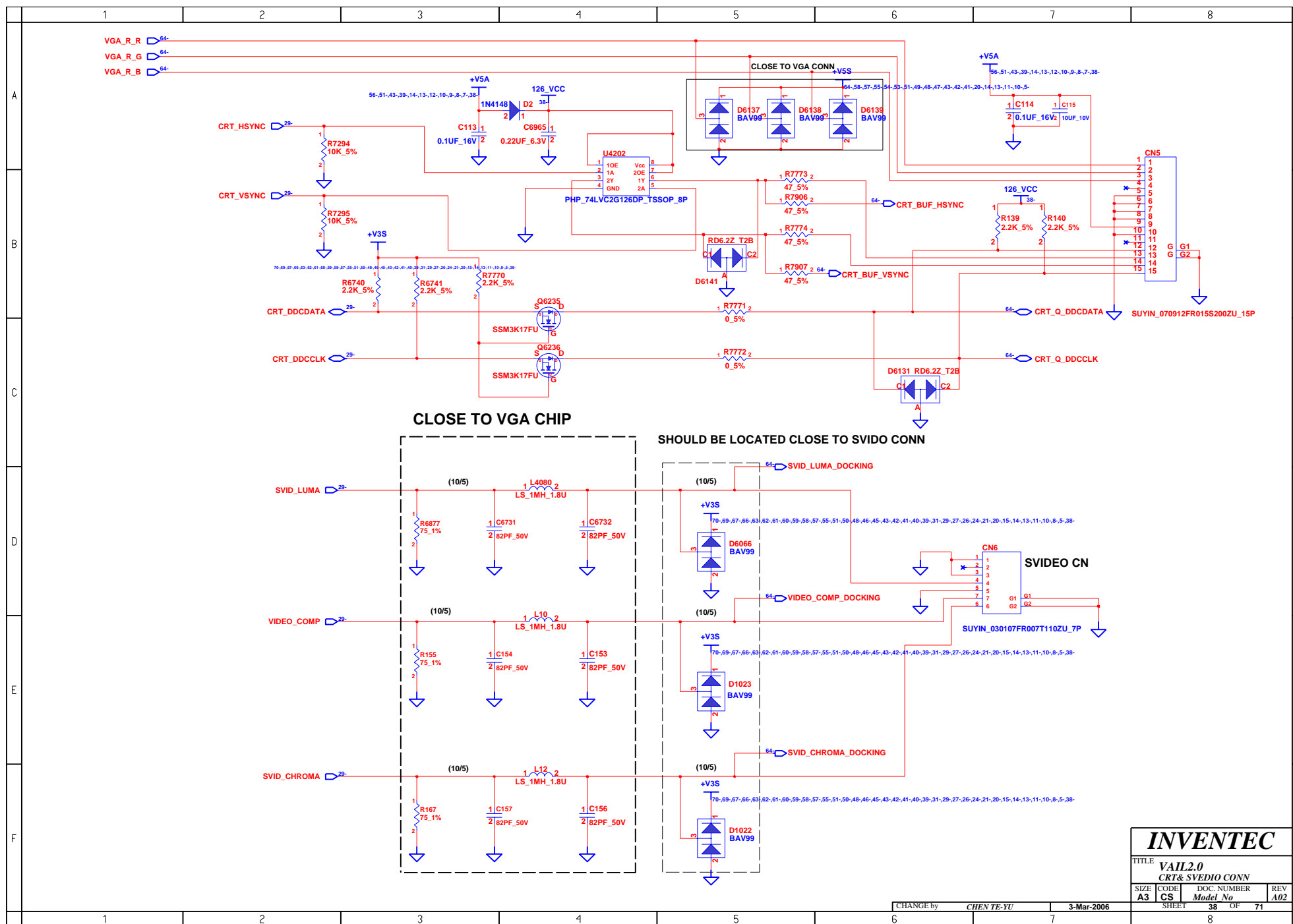


TITLE VAIL2.0 VIDEO RAM-3			
SIZE A3	CODE CS	DOC. NUMBER <i>Model No</i>	REV A02
SHEET		35 OF	71

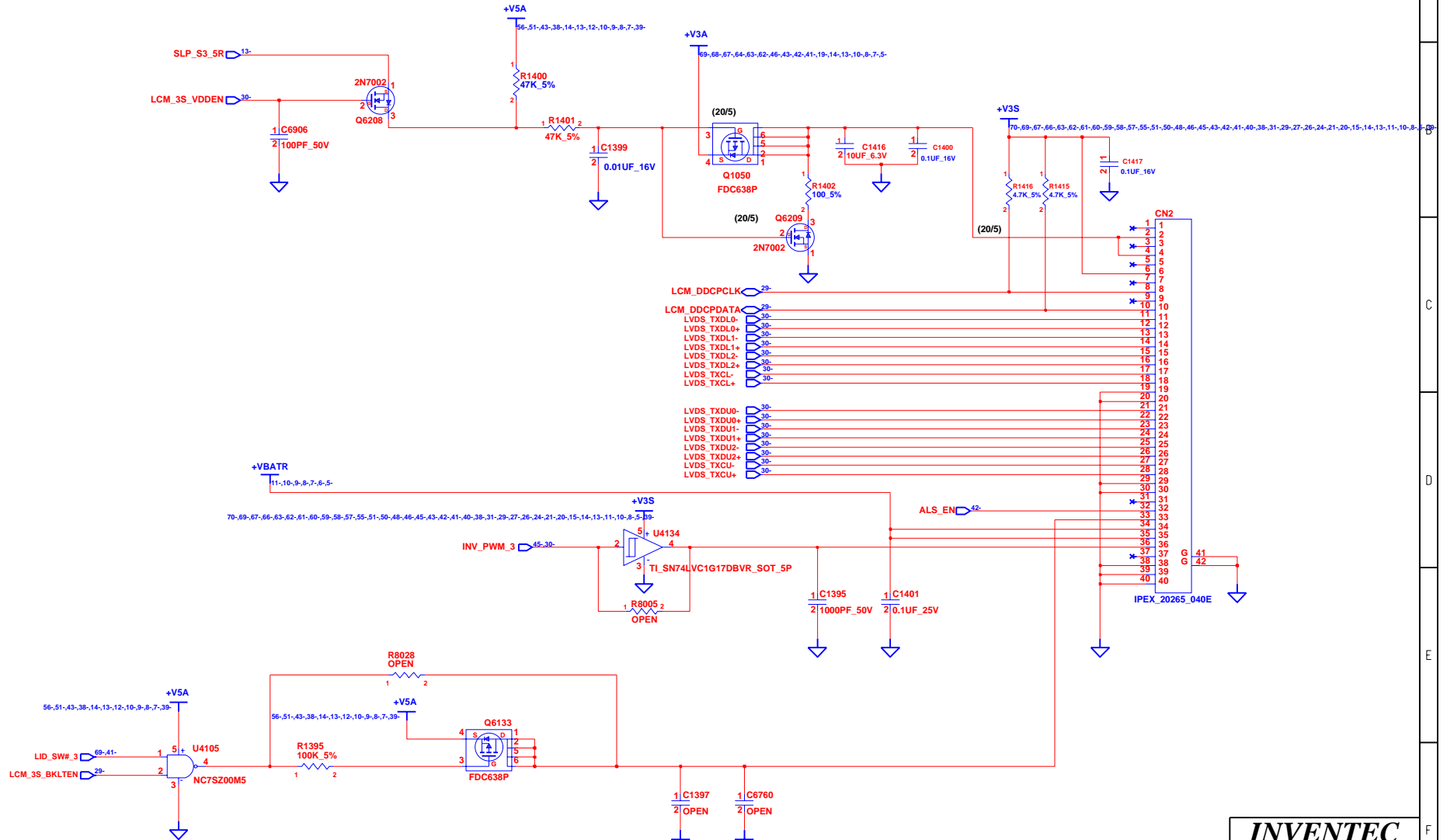


8





Place closed to connector

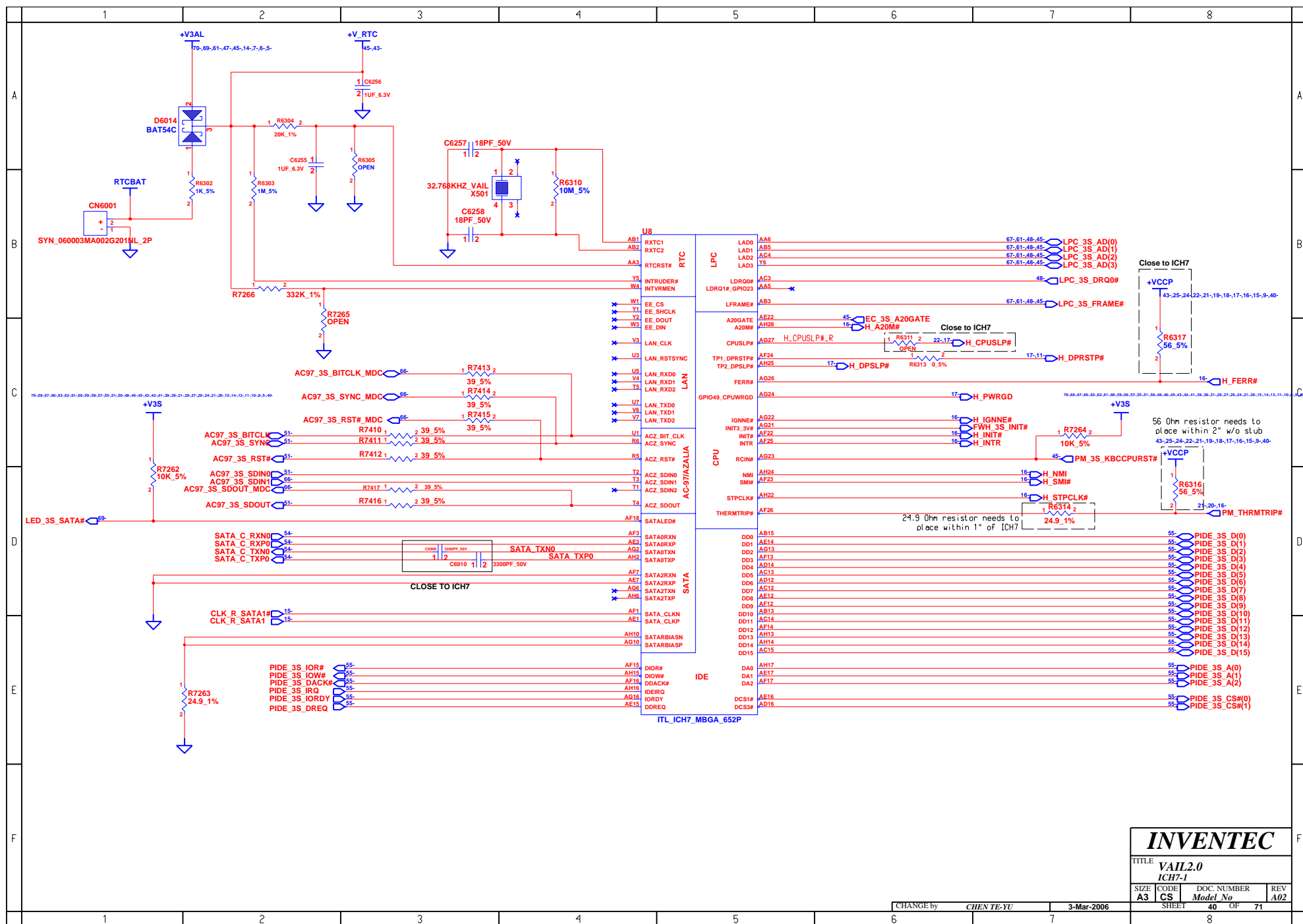


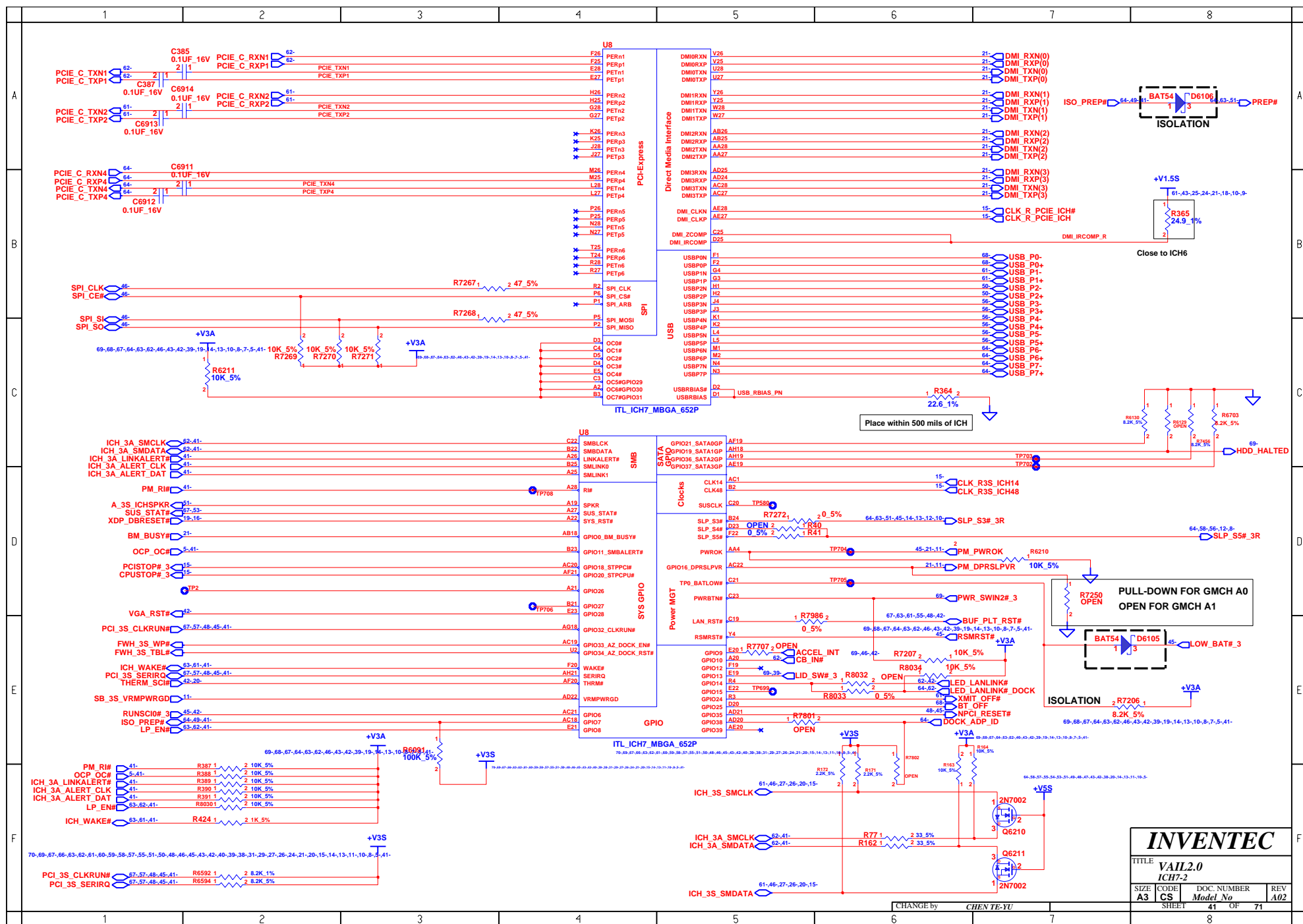
INVENTEC

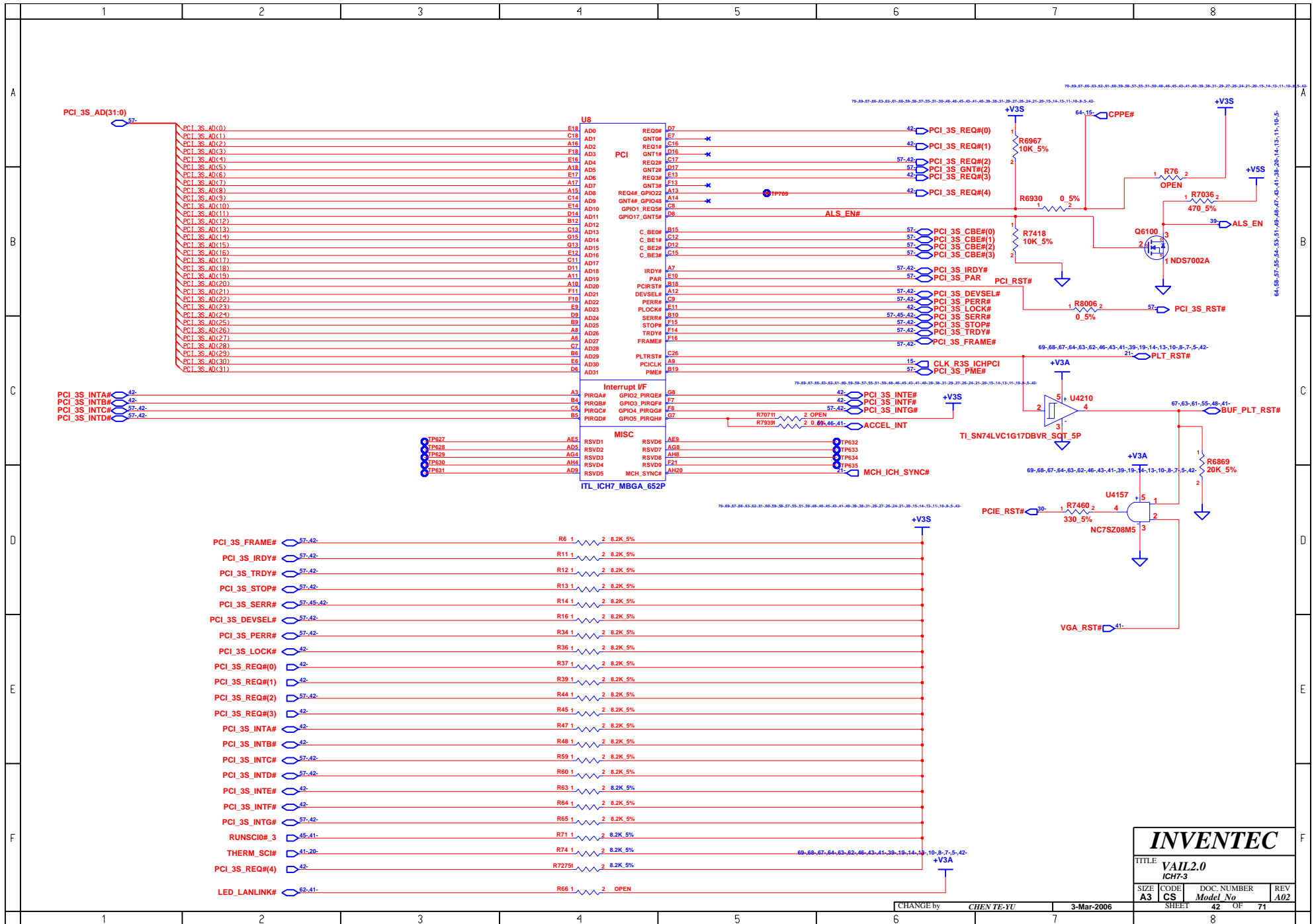
TITLE VAIL2.0 LCD CONN			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV A02

CHANGE by CHEN TE-YU 3-Mar-2006

SHEET 39 OF 71

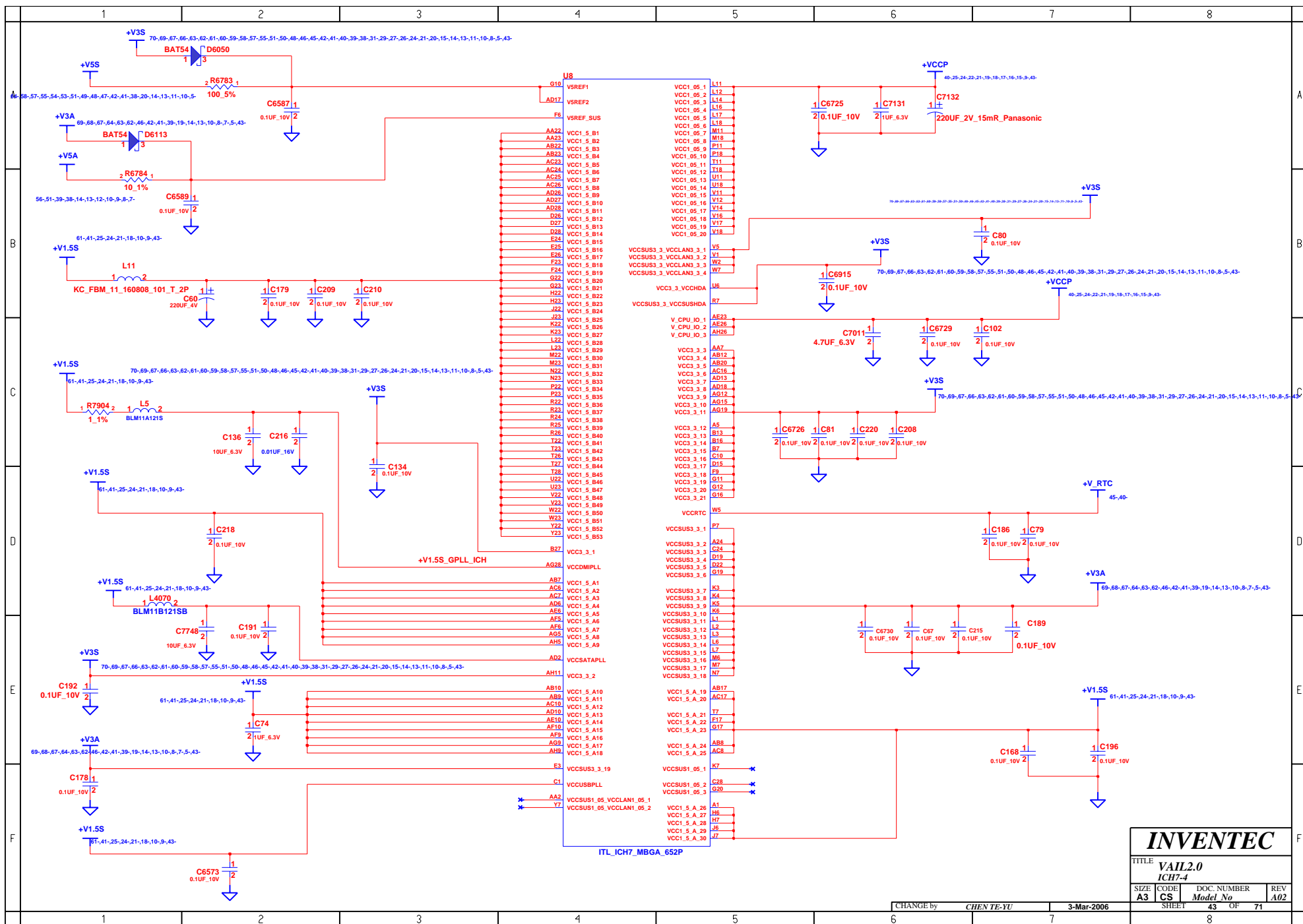




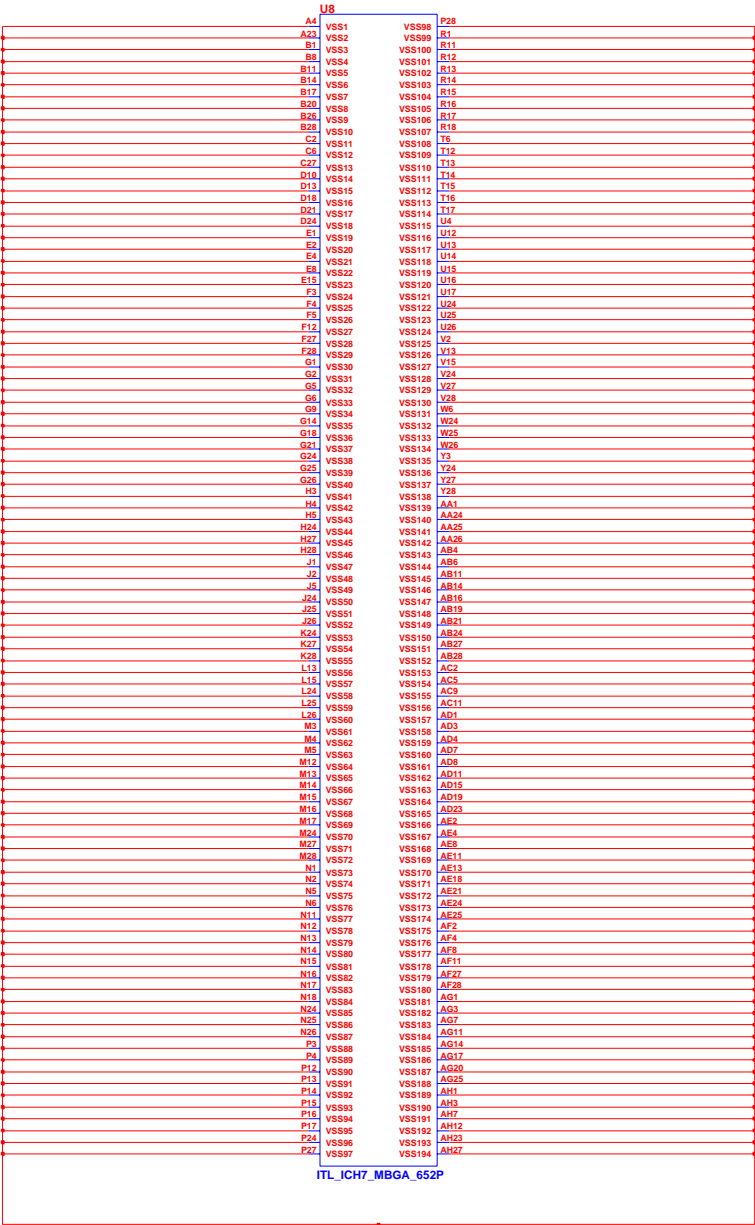


INVENTEC

TITLE			
VAIL2.0			
ICH7-3			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	A02
SHEET		42	OF 71



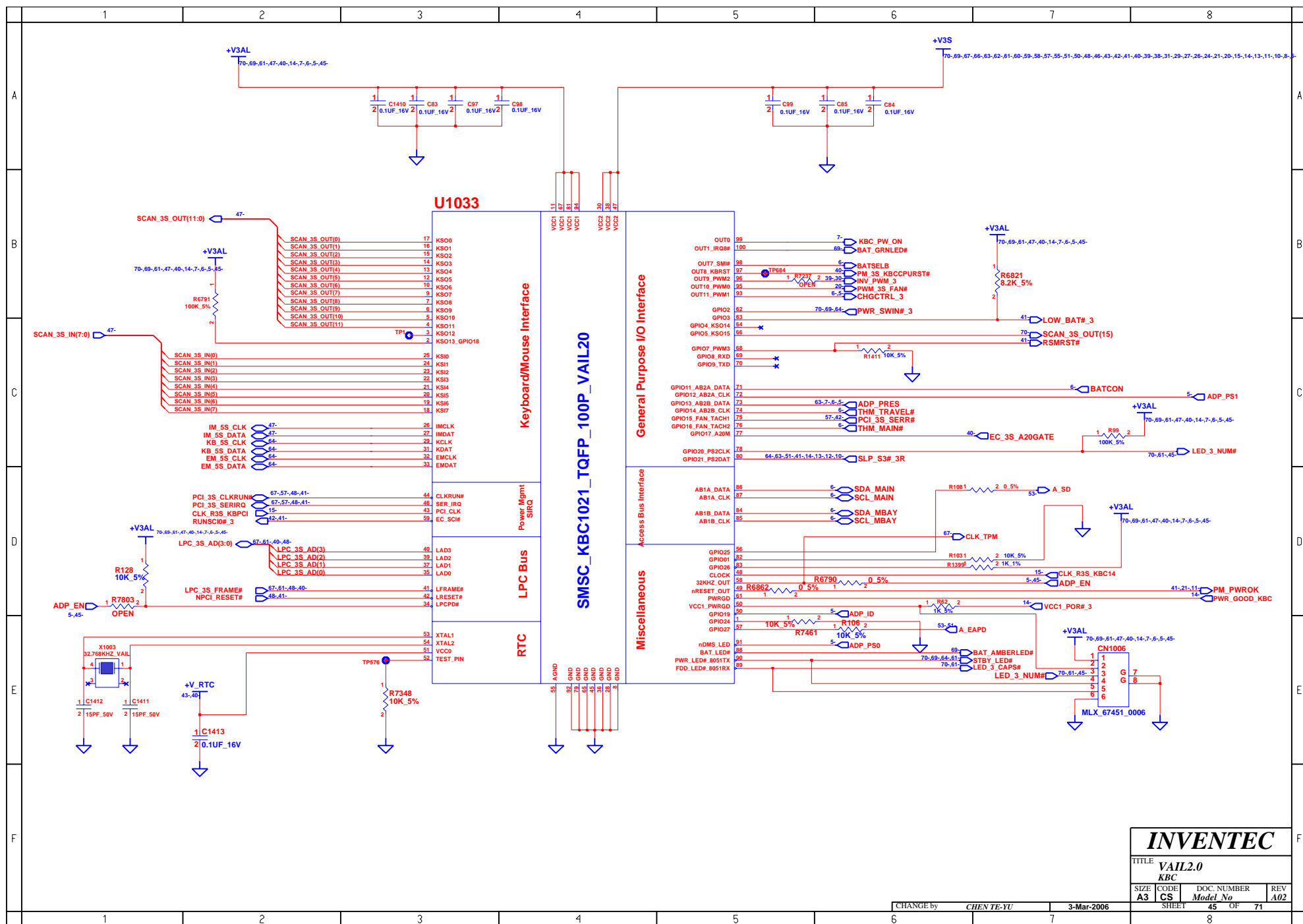
	1	2	3	4	5	6	7	8	
A									A
B									B
C									C
D									D
E									E
F									F

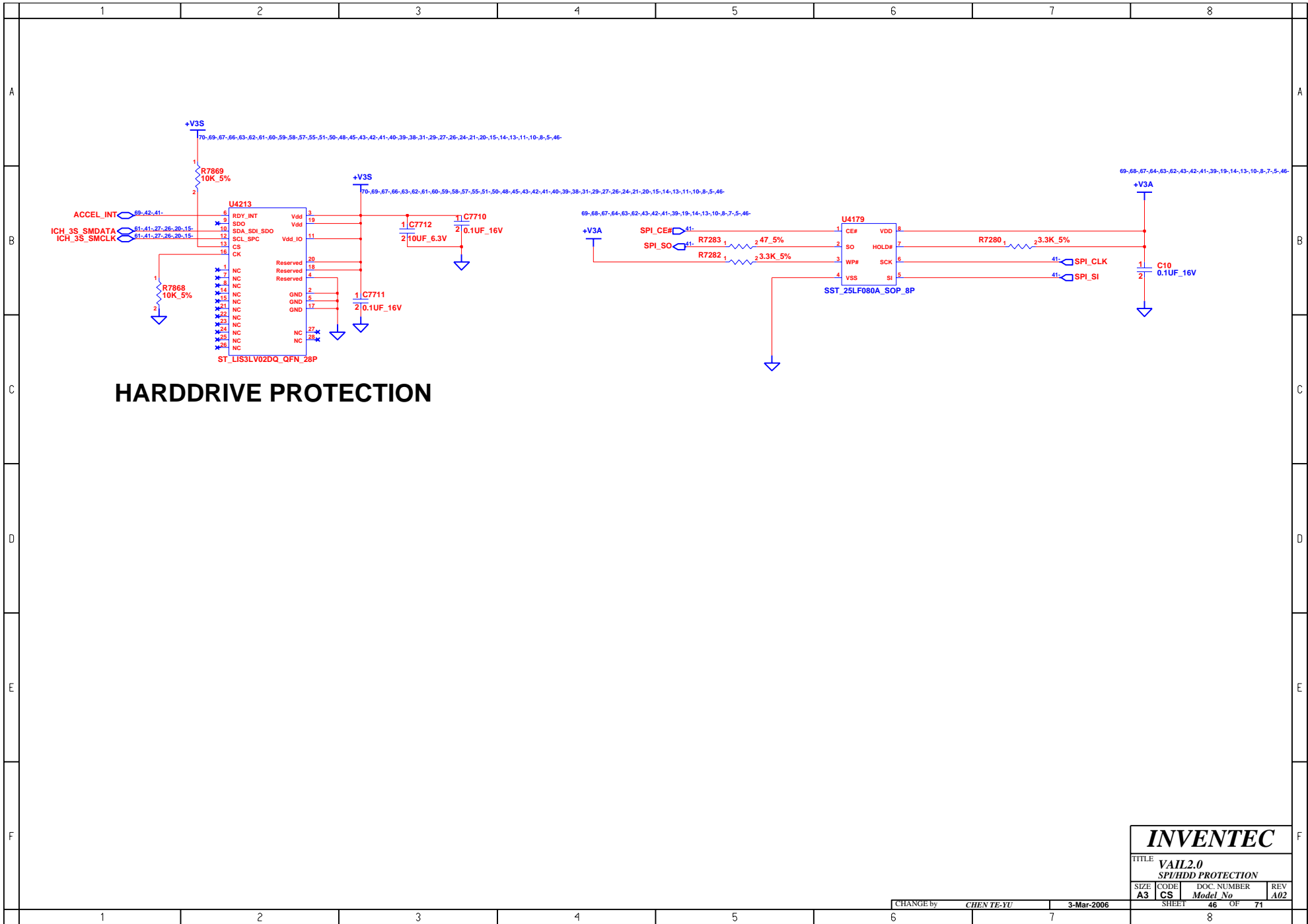


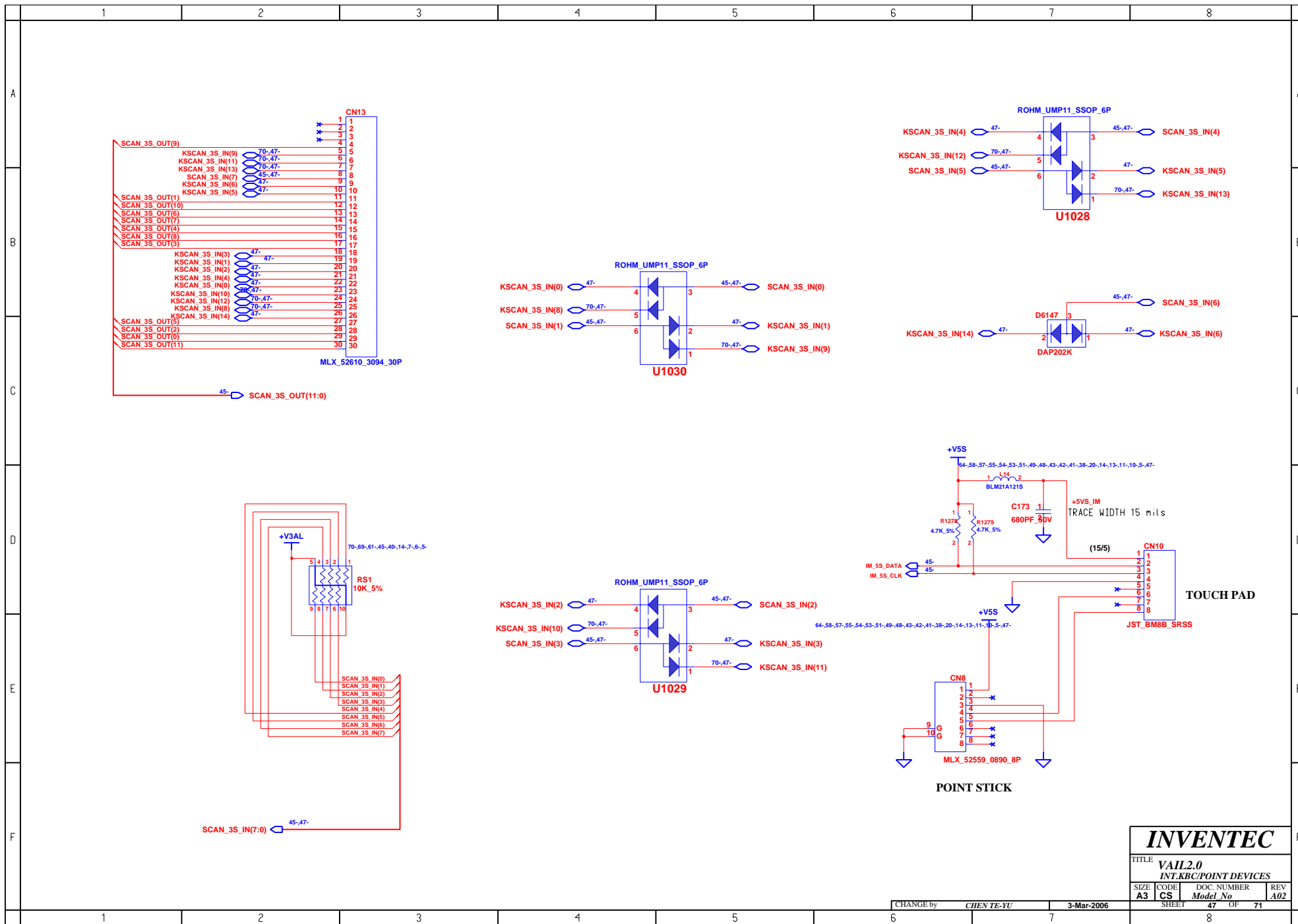
INVENTEC

TITLE VAIL2.0			
ICH6-5			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV A02
SHEET 44		OF 71	

CHANGE by CHEN TE-YU 3-Mar-2006





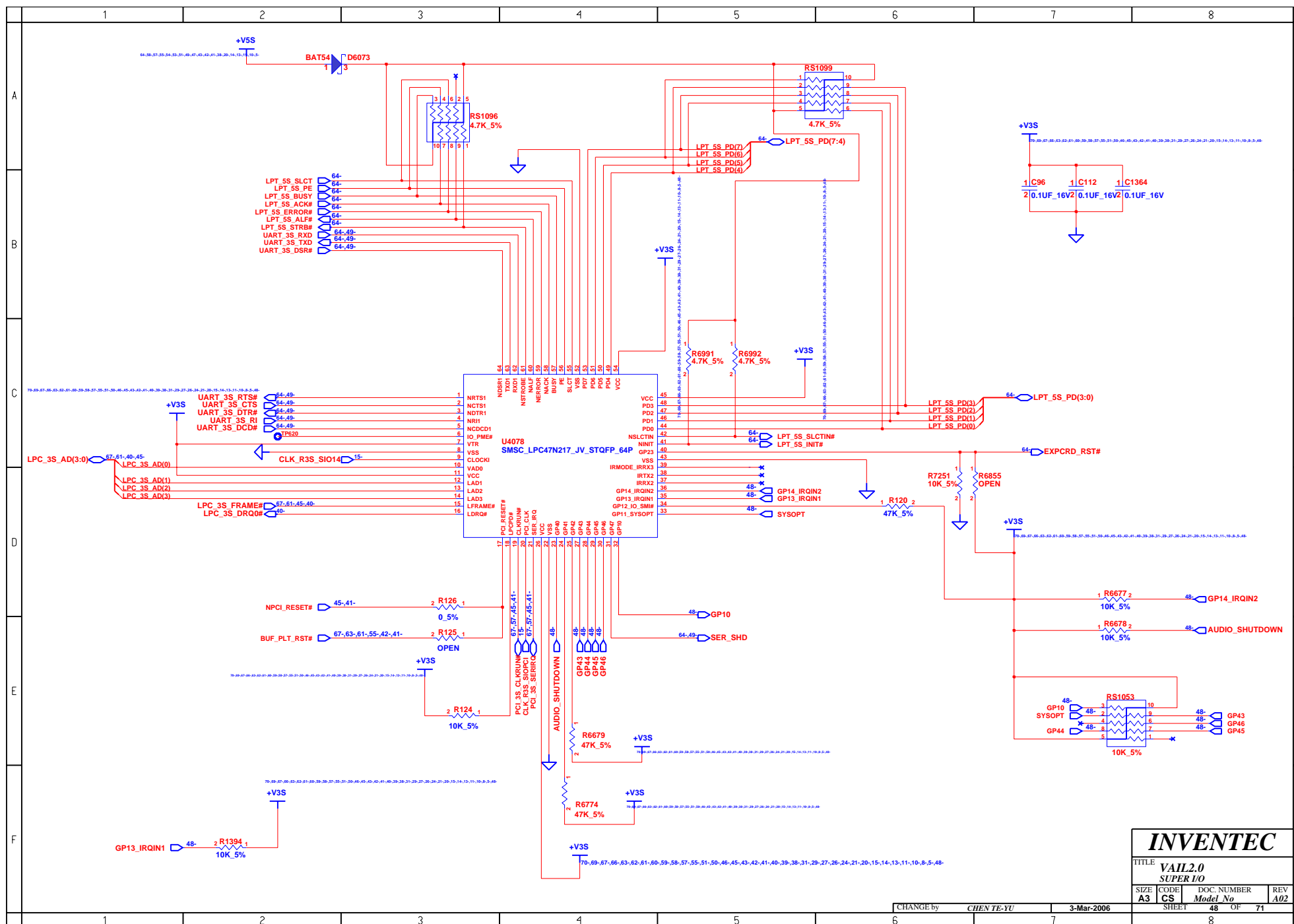


INVENTEC

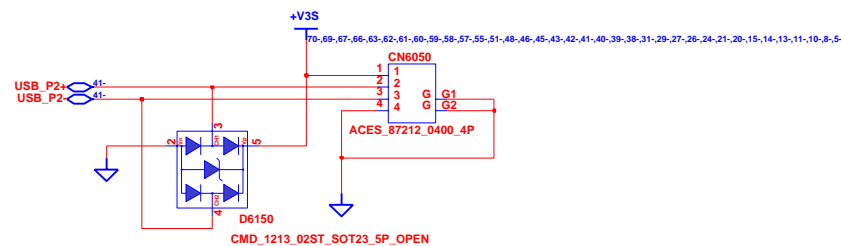
TITLE			
VAIL2.0			
INT.KBC/POINT DEVICES			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	A02

CHANGE by CHEN TE-YU 3-Mar-2006

SHEET 47 OF 71



FINGER PRINT DAUGHTER BORAD



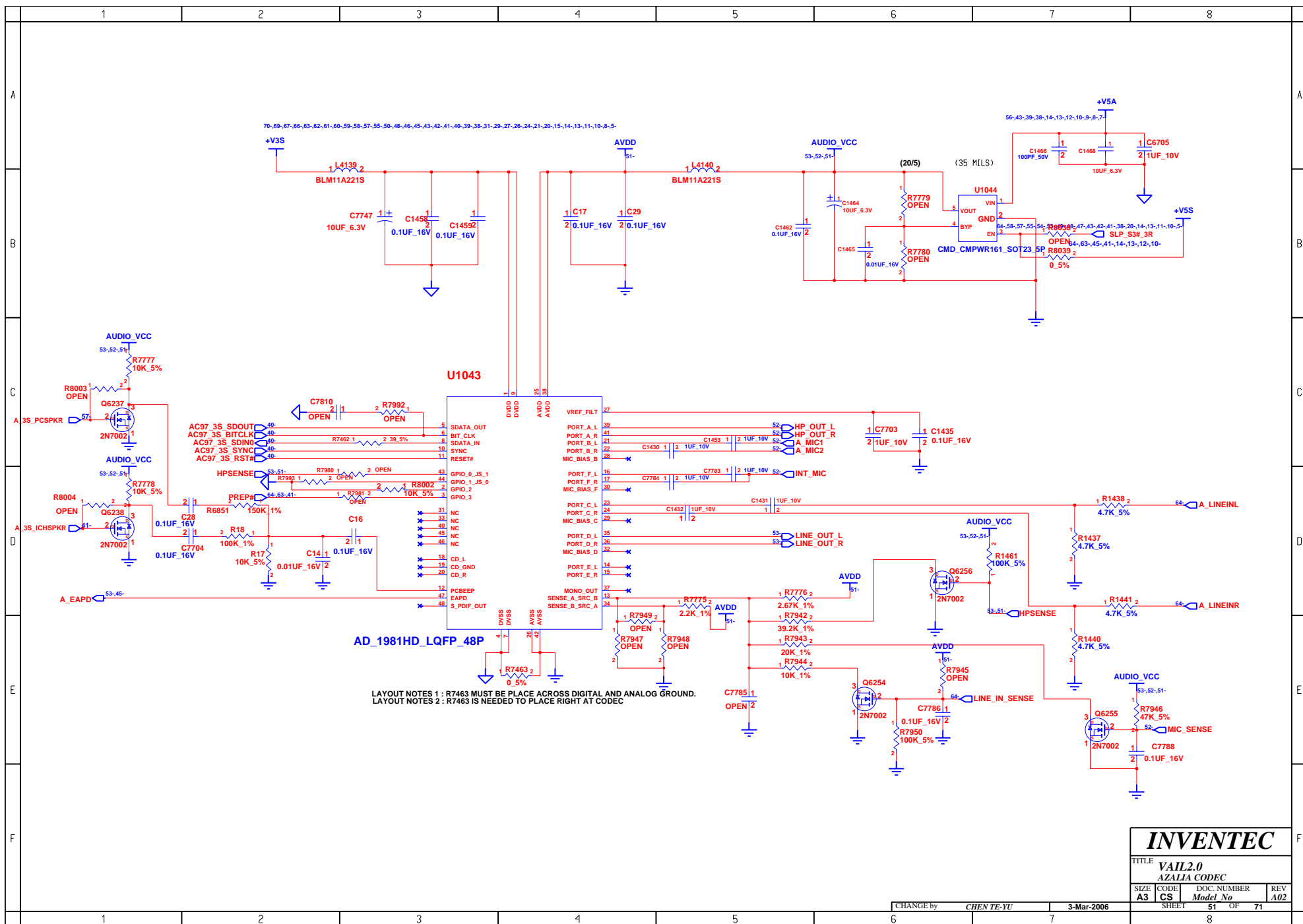
INVENTEC

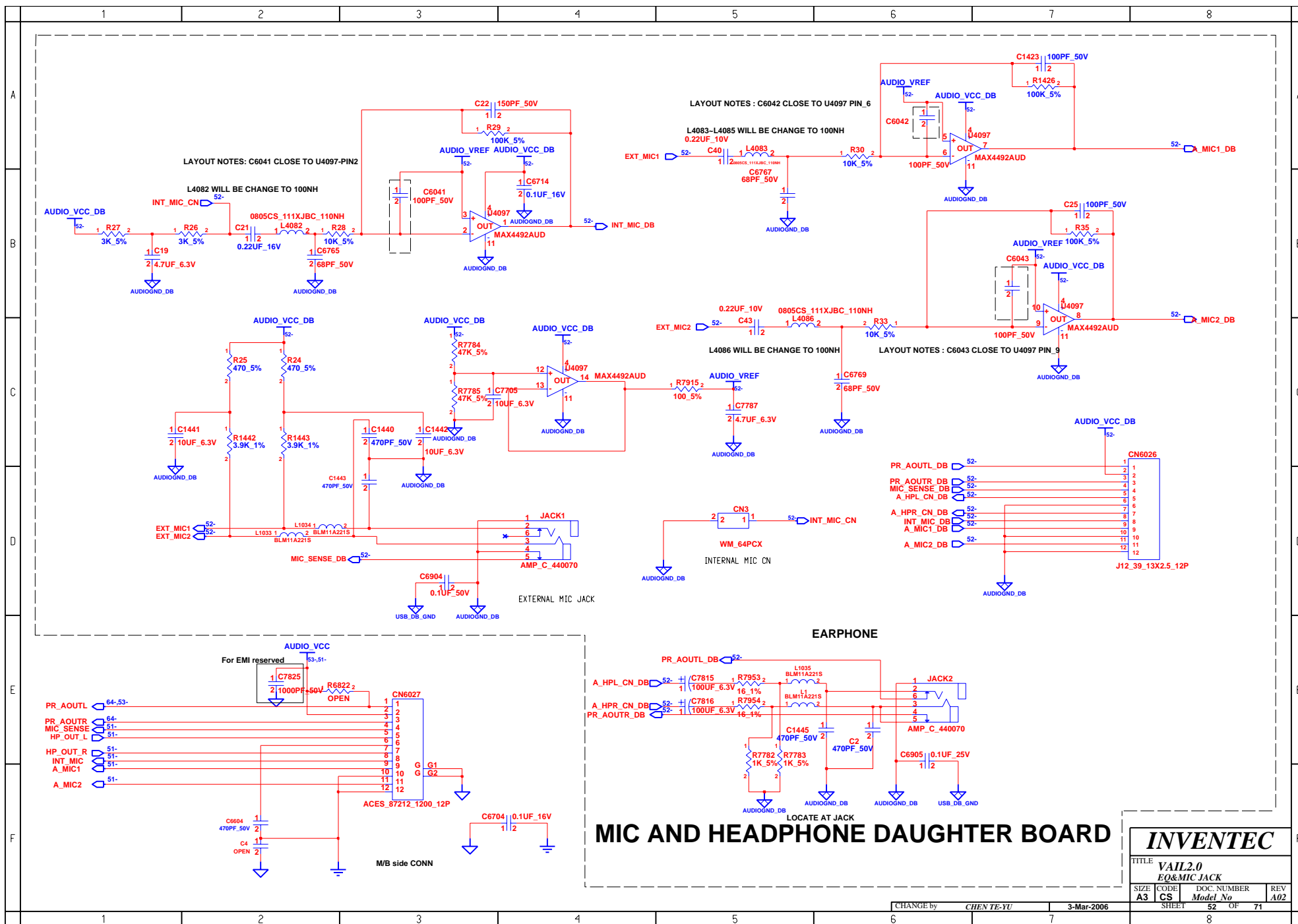
TITLE
**VAIL2.0
FINGER PRINT CONN**

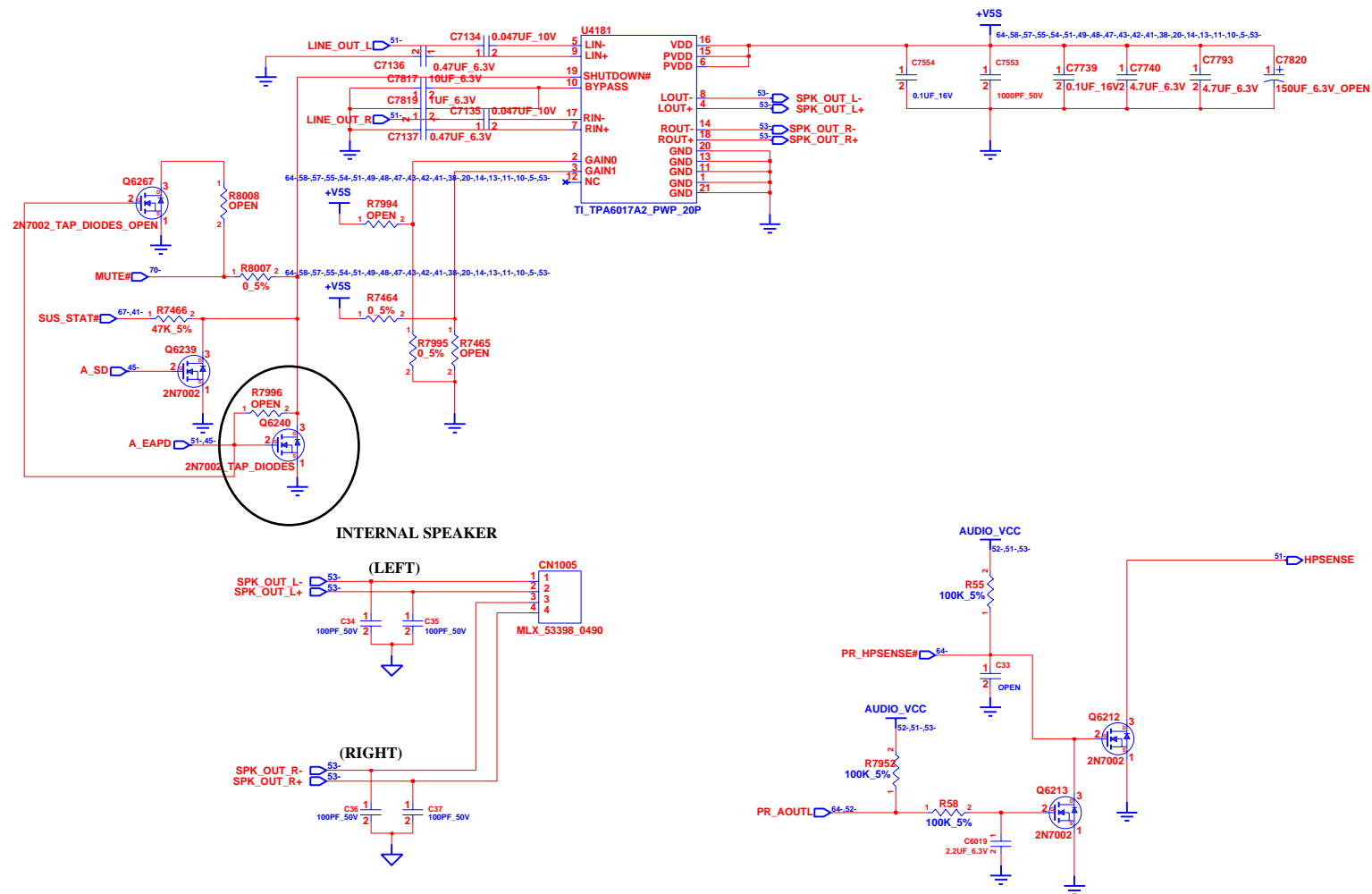
SIZE CODE DOC. NUMBER REV
A3 CS Model No A02

CHANGE by **CHEN TE-YU** 3-Mar-2006

SHEET 50 OF 71







MIC AND HEADPHONE DAUGHTER BOARD
(REFER TO SHEET 52)

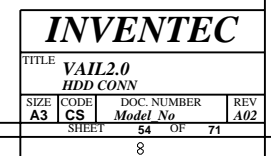
INVENTEC

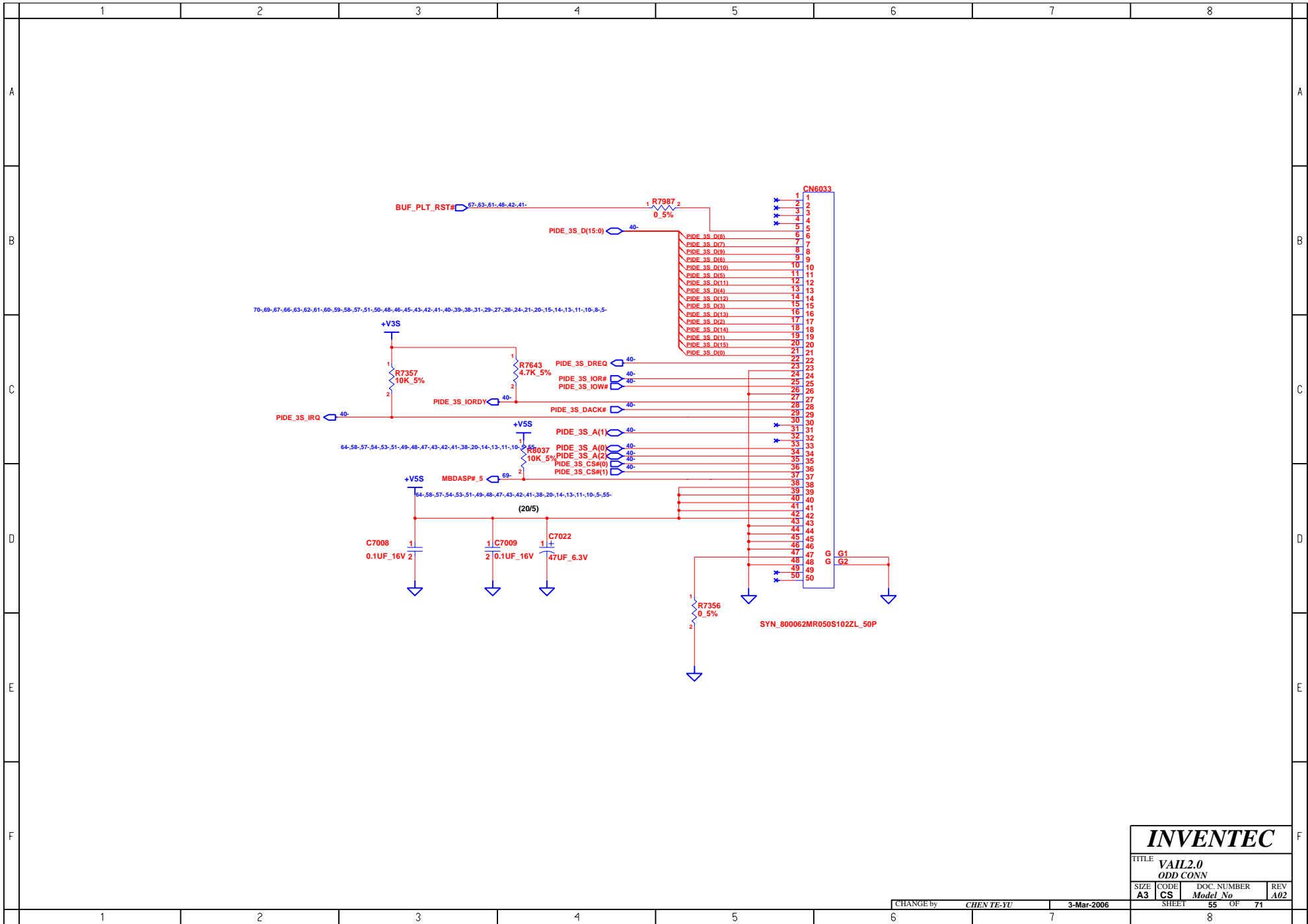
TITLE
VAIL2.0
AUDIO AMP & HP JACK

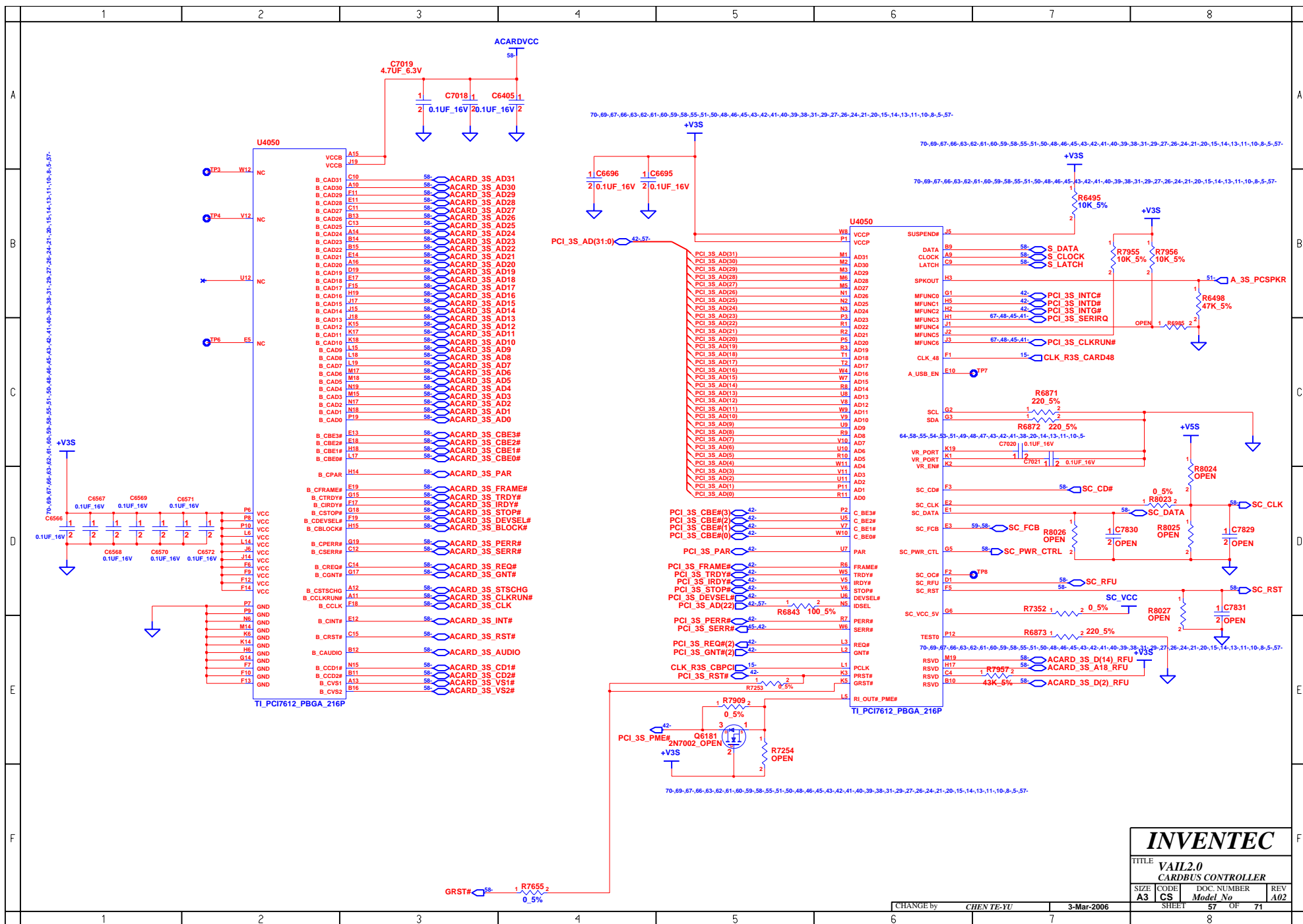
SIZE A3	CODE CS	DOC. NUMBER <i>Model No</i>	REV A02
-------------------	-------------------	--------------------------------	-------------------

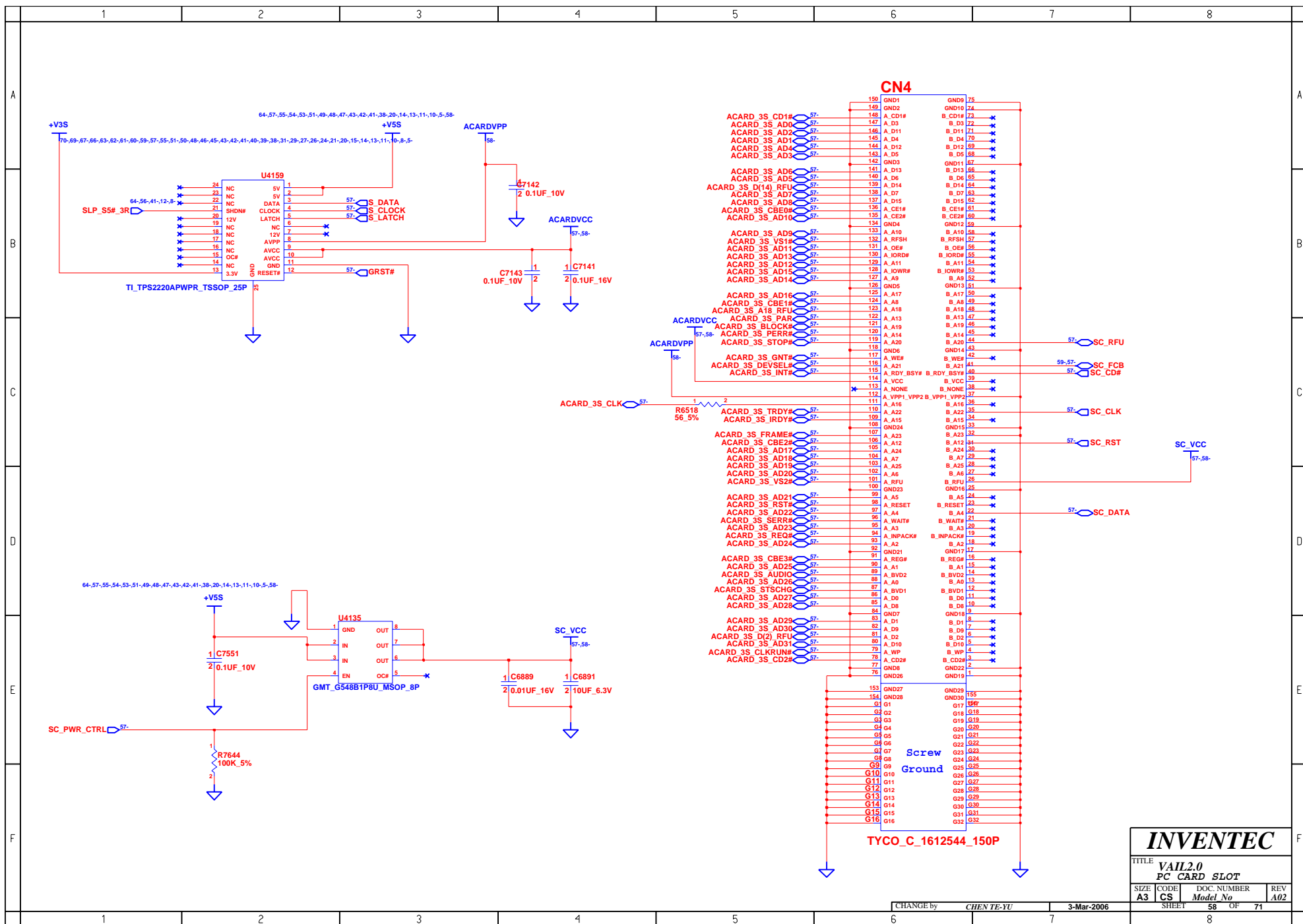
CHANGE by <i>CHEN TE-YU</i>	3-Mar-2006
--------------------------------	------------

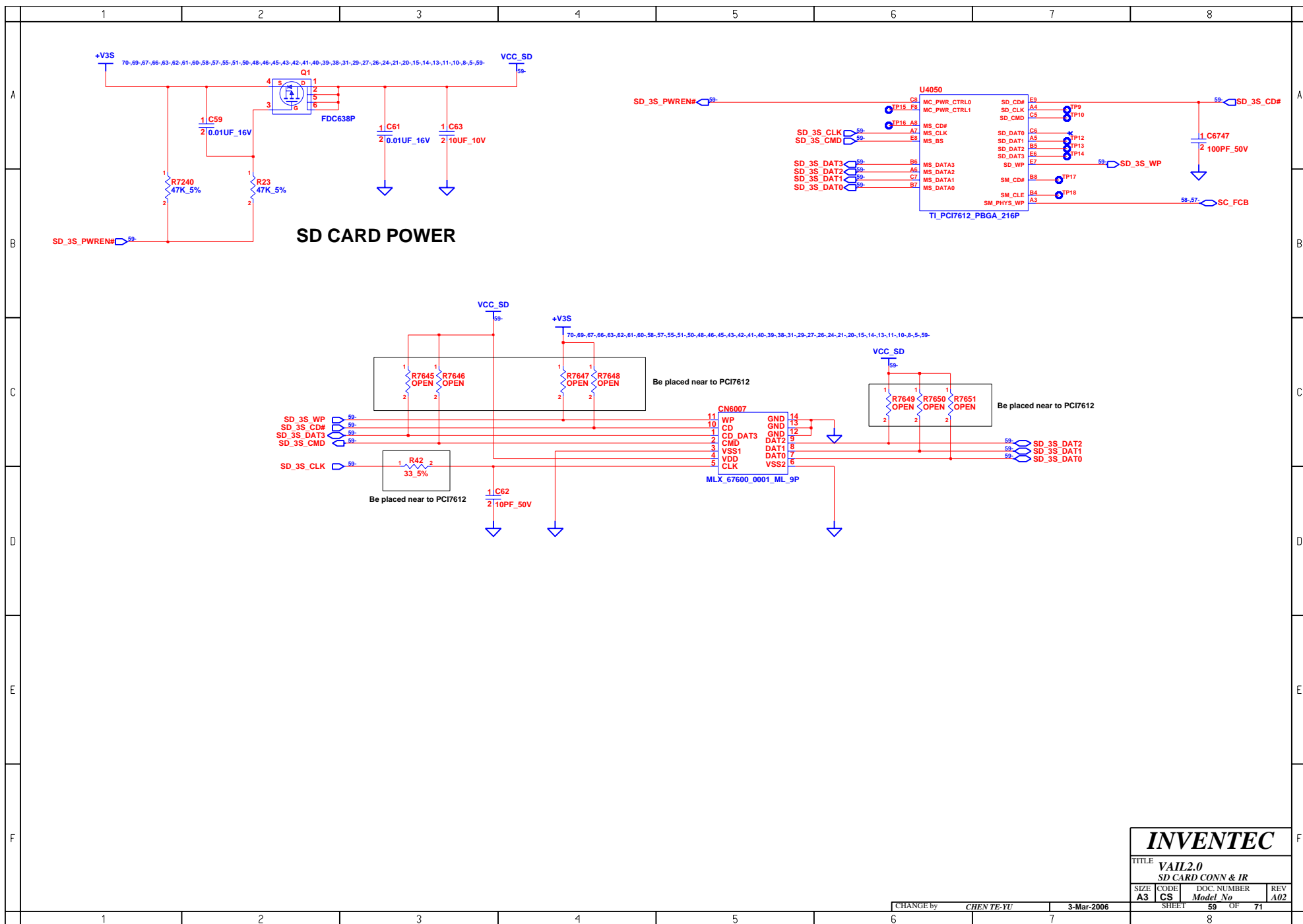
SHEET 53	OF 71
--------------------	-----------------

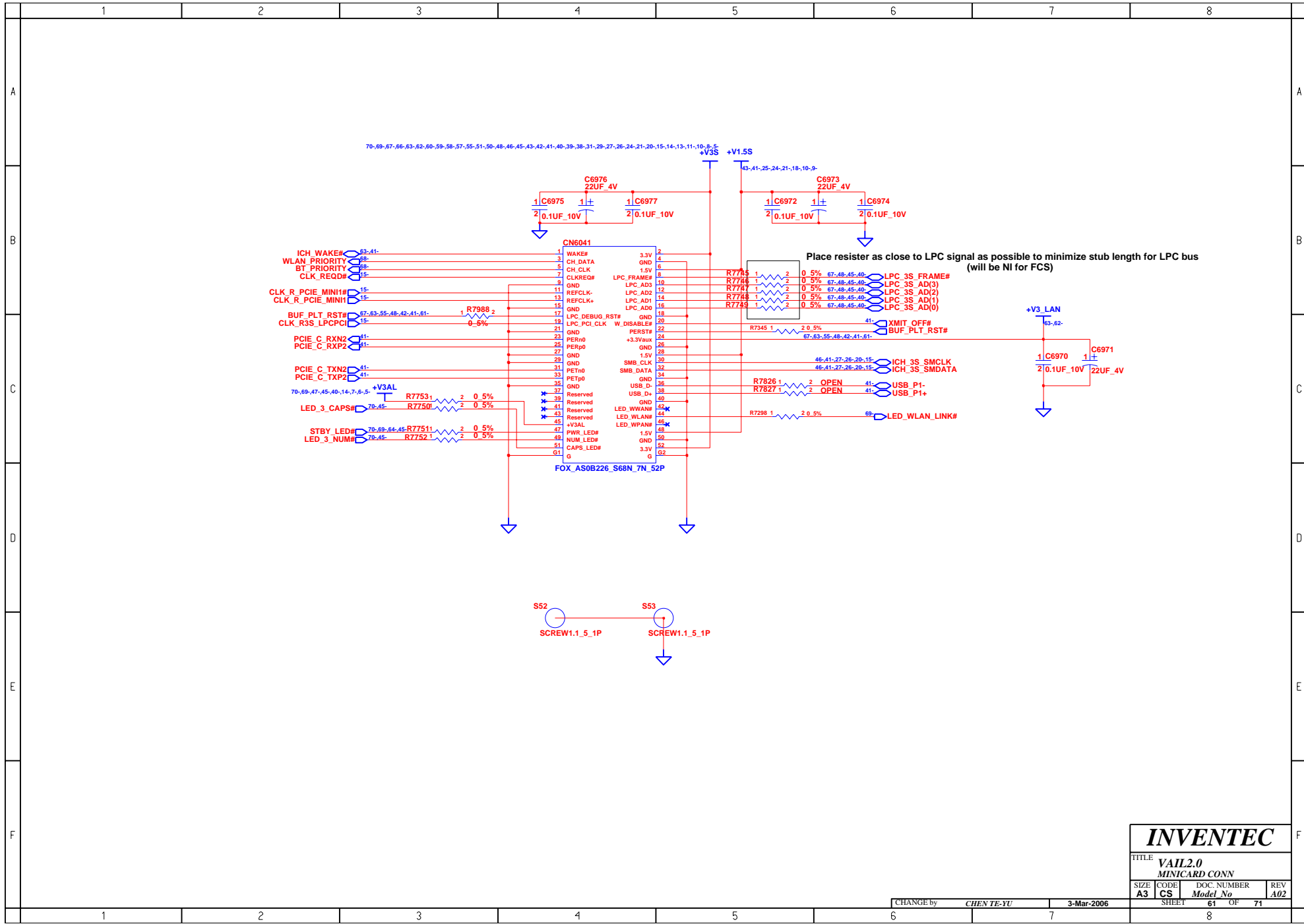










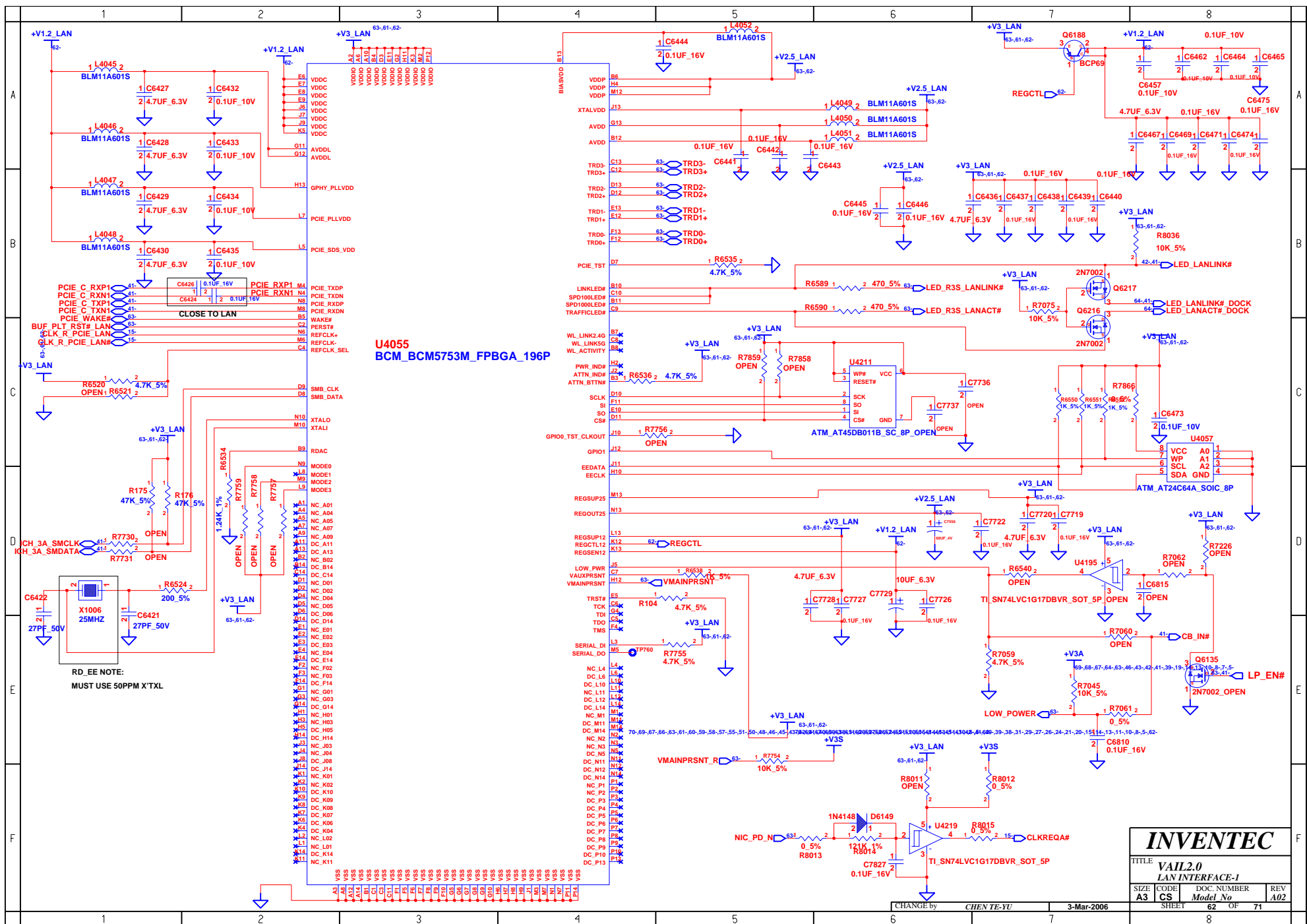


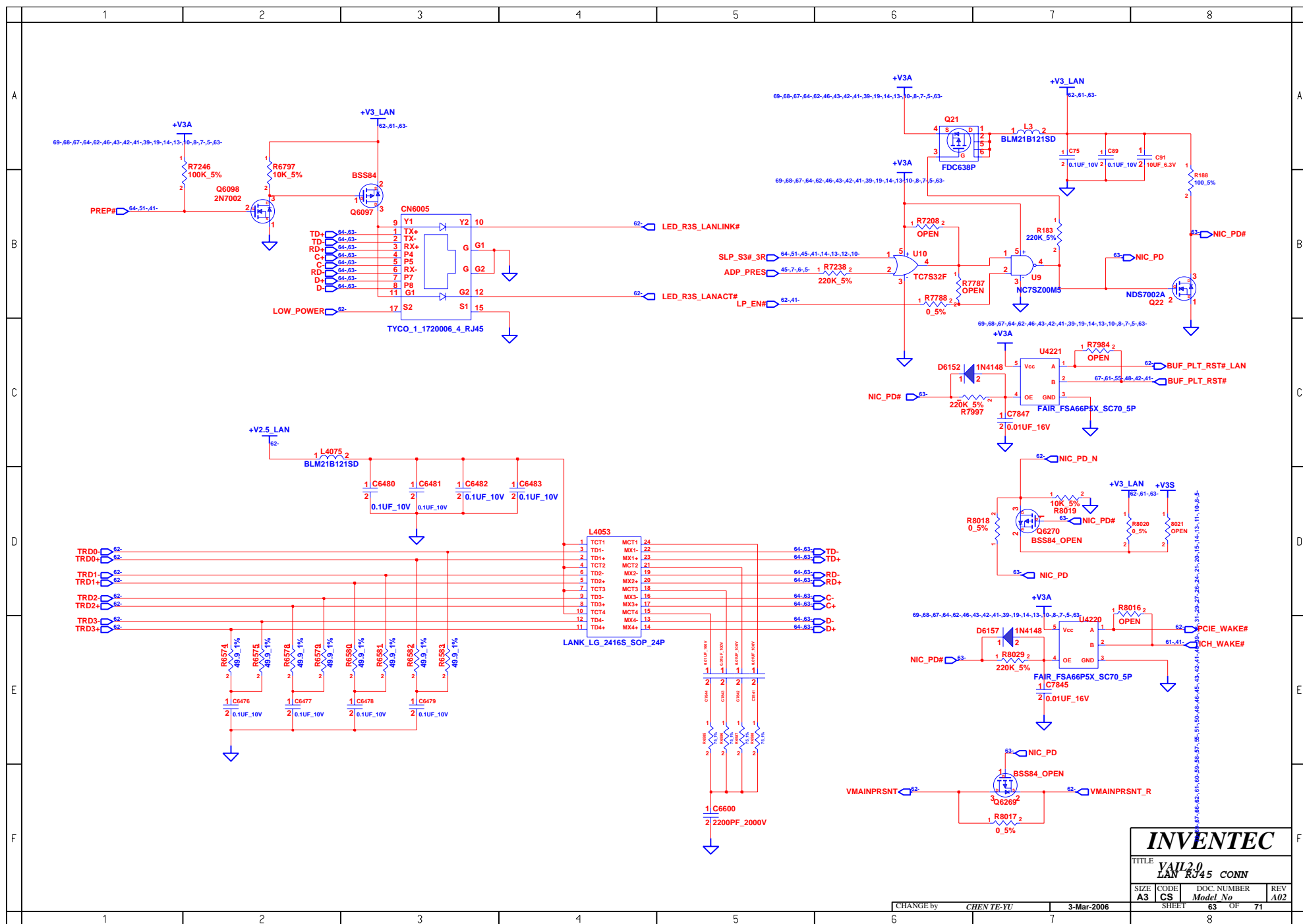
INVENTEC

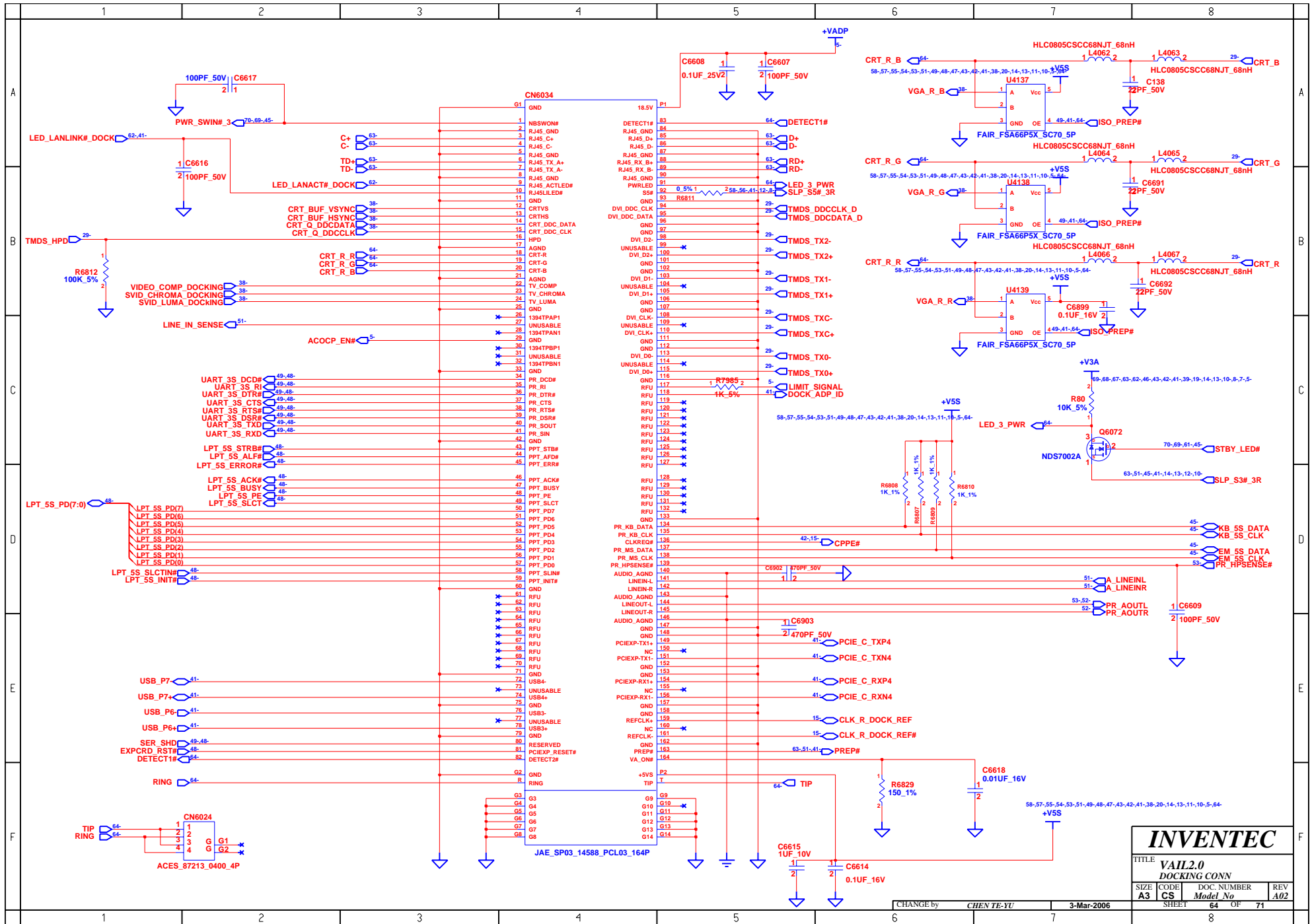
TITLE VAIL2.0 MINICARD CONN			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV A02

CHANGE by CHEN TE-YU 3-Mar-2006

SHEET 61 OF 71



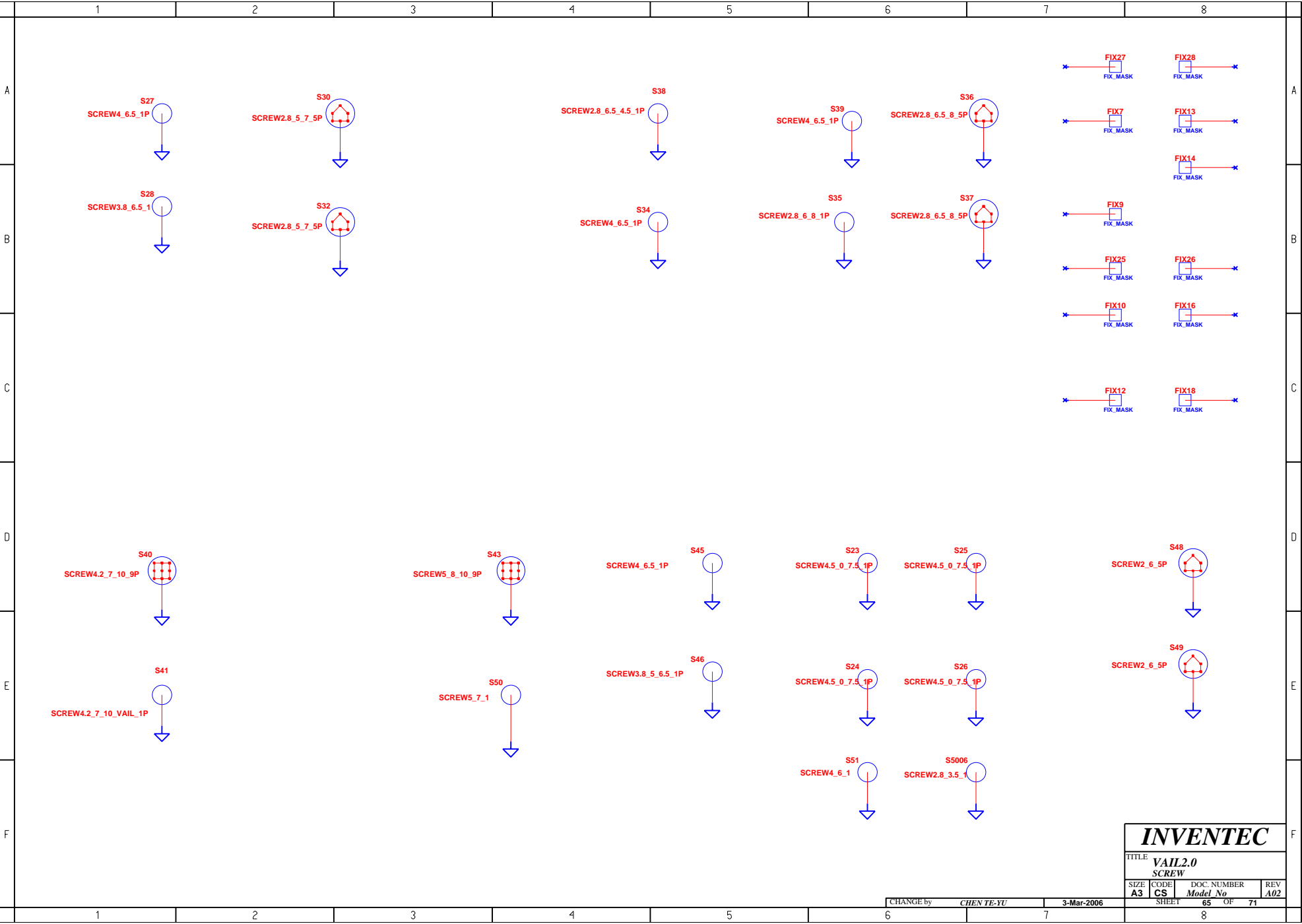




INVENTEC

TITLE			
VAIL2.0 DOCKING CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	A02
SHEET		64	OF 71

CHANGE by CHEN TE-YU 3-Mar-2006

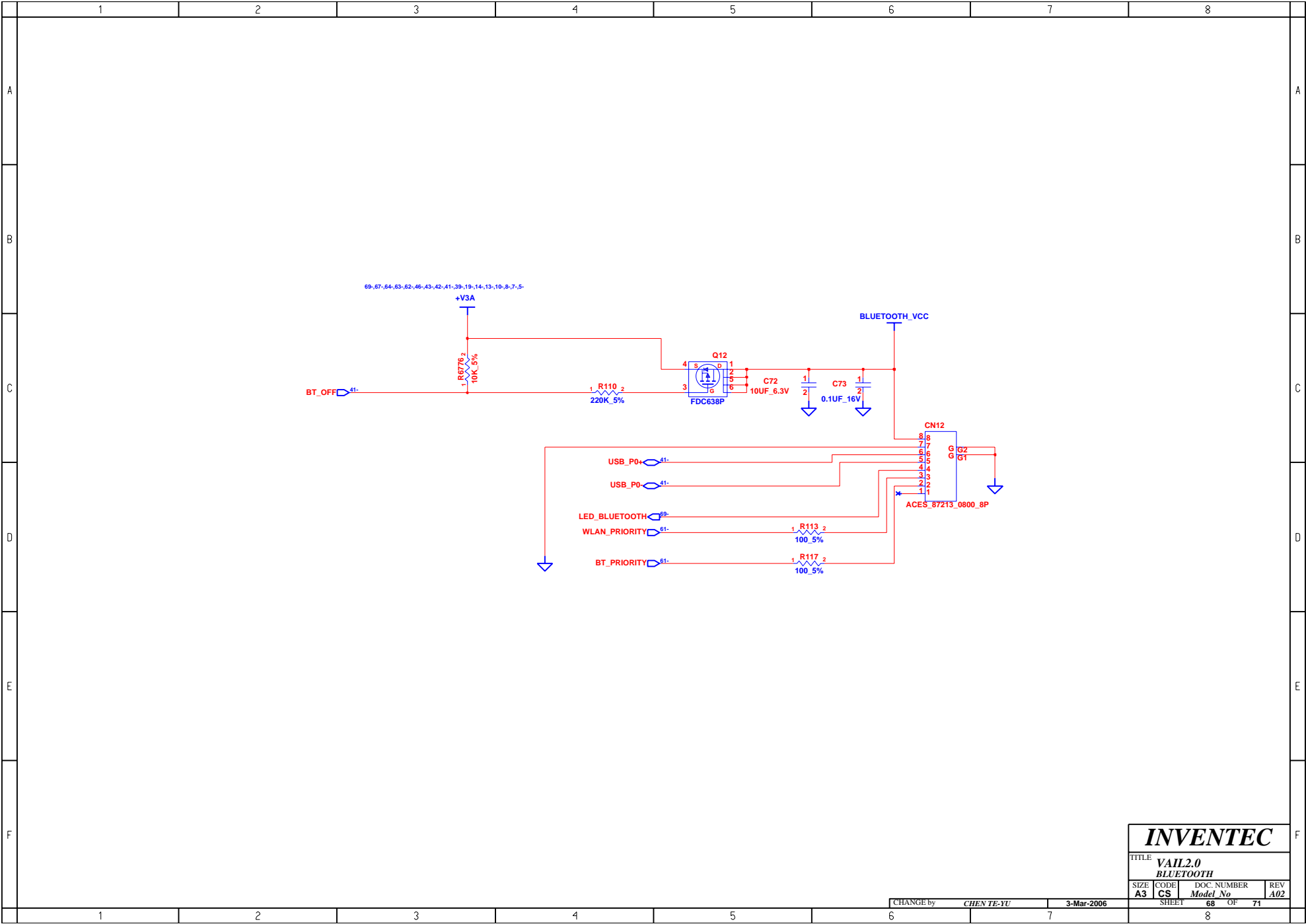


INVENTEC

TITLE			
VAIL2.0			
SCREW			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	A02

CHANGE by CHEN TE-YU 3-Mar-2006

SHEET 65 OF 71



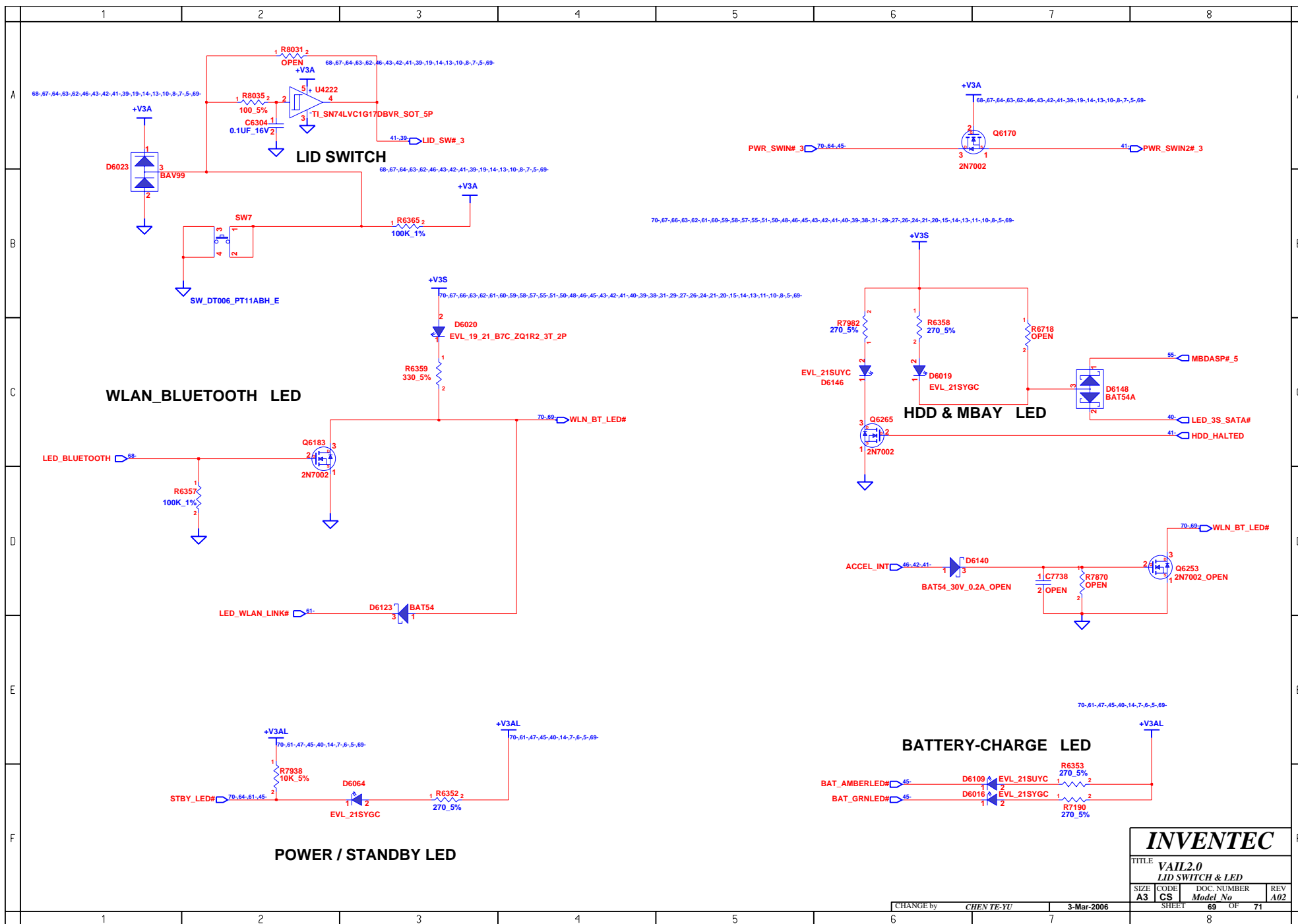
INVENTEC

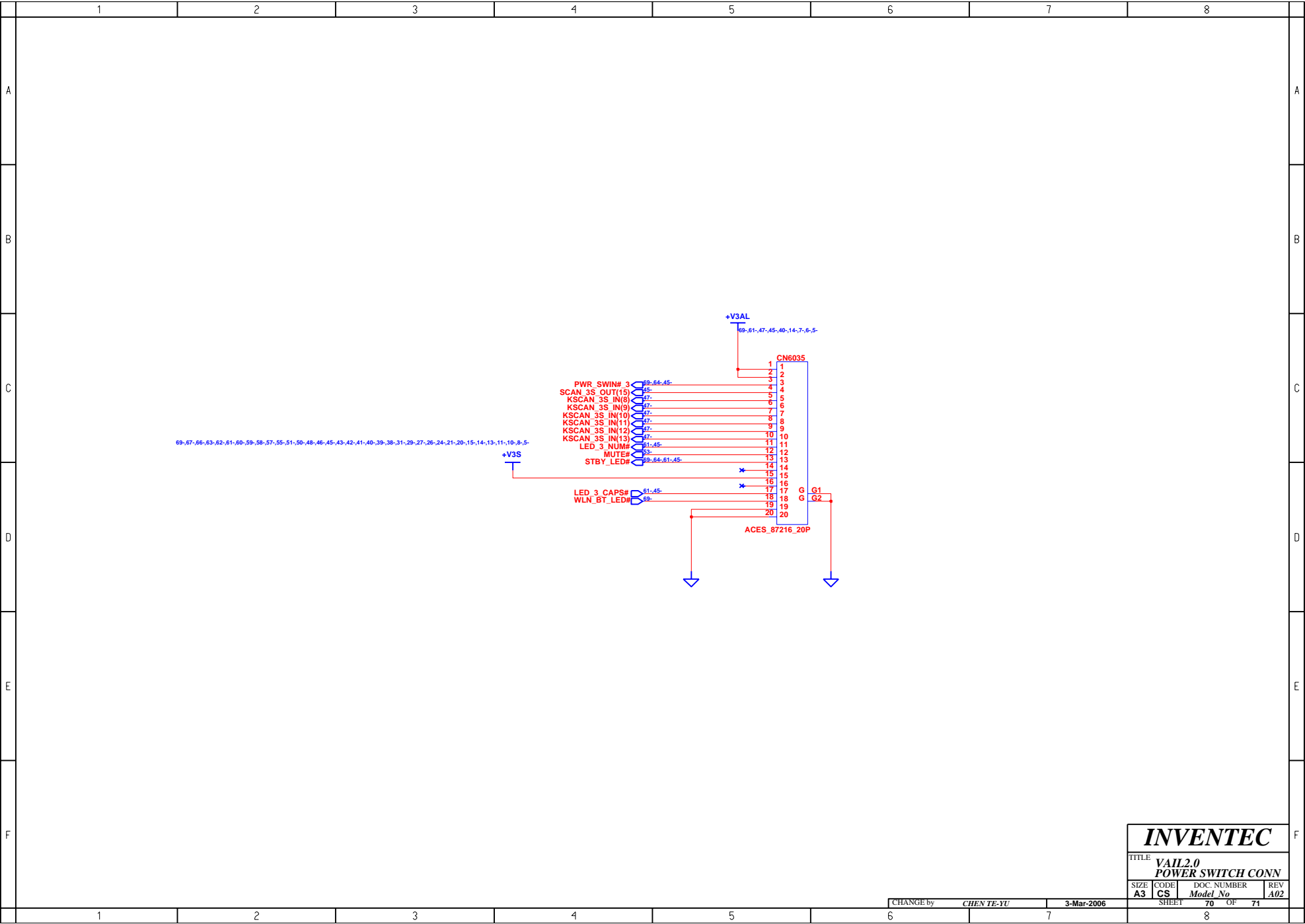
TITLE
**VAIL2.0
BLUETOOTH**

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

CHANGE by *CHEN TE-YU* 3-Mar-2006

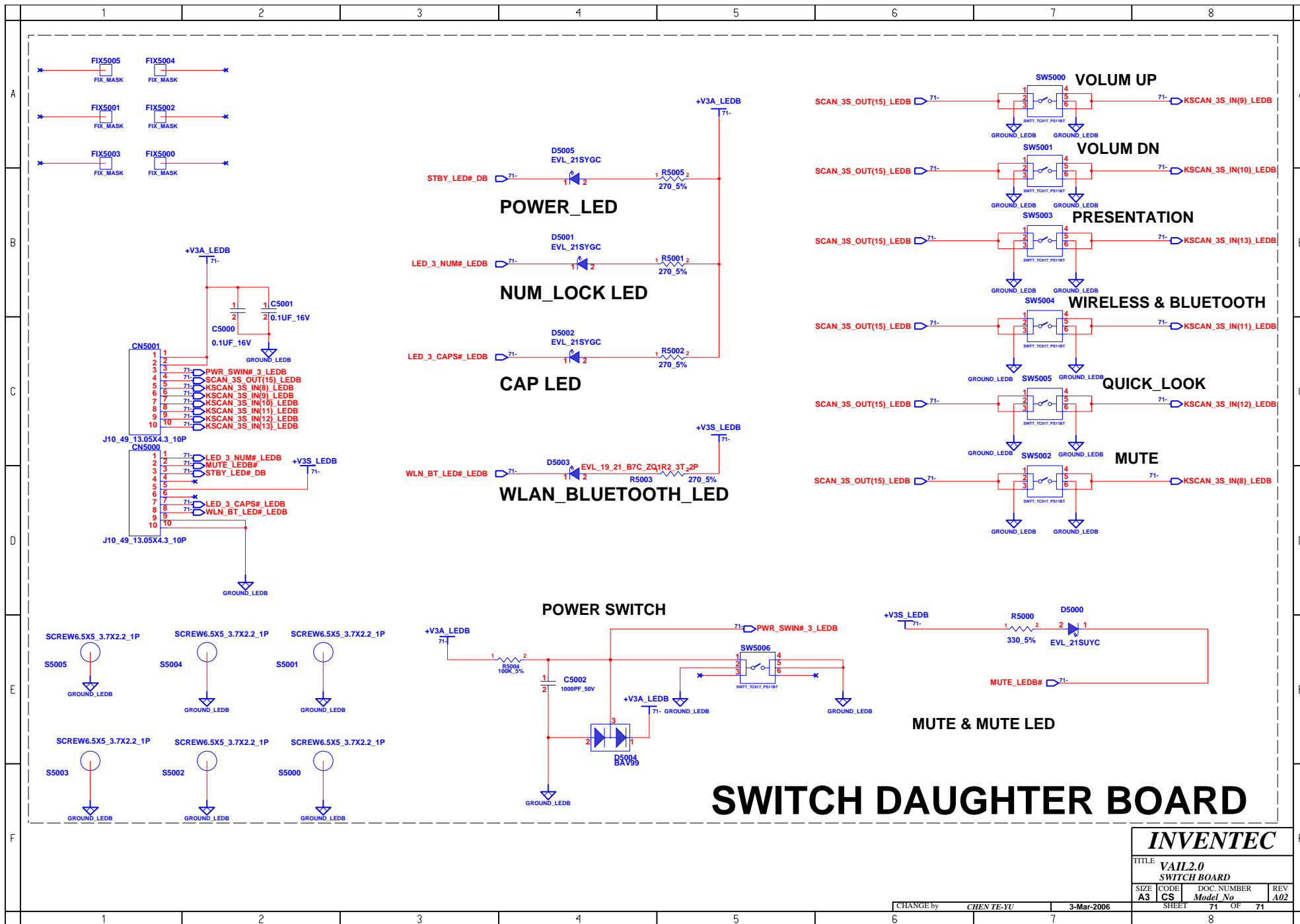
SHEET 68 OF 71





INVENTEC			
TITLE VAIL2.0 POWER SWITCH CONN			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV A02
SHEET 70		OF 71	

CHANGE by CHEN TE-YU 3-Mar-2006



INVENTEC

TITLE VAIL2.0 SWITCH BOARD			
SIZE A3	CODE CS	DOC. NUMBER <i>Model No</i>	REV A02

CHANGE by *CHEN TE-YU* 3-Mar-2006

SHEET 71 OF 71