

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

VAIL

SI2-BUILD-FINAL

2004.08.31

DATE	CHANGE NO.	REV
1		2

DRAWER	EE	DATE	POWER	DATE	INVENTEC			
DESIGN								
CHECK								
RESPONSIBLE								
SIZE = 3					VER :			
FILE NAME : XXXX-XXXXXX-XX					SIZE A3	CODE CS	DOC. NUMBER	REV AX2
P/N XXXXXXXXXXXX					SHEET 1 OF 67			

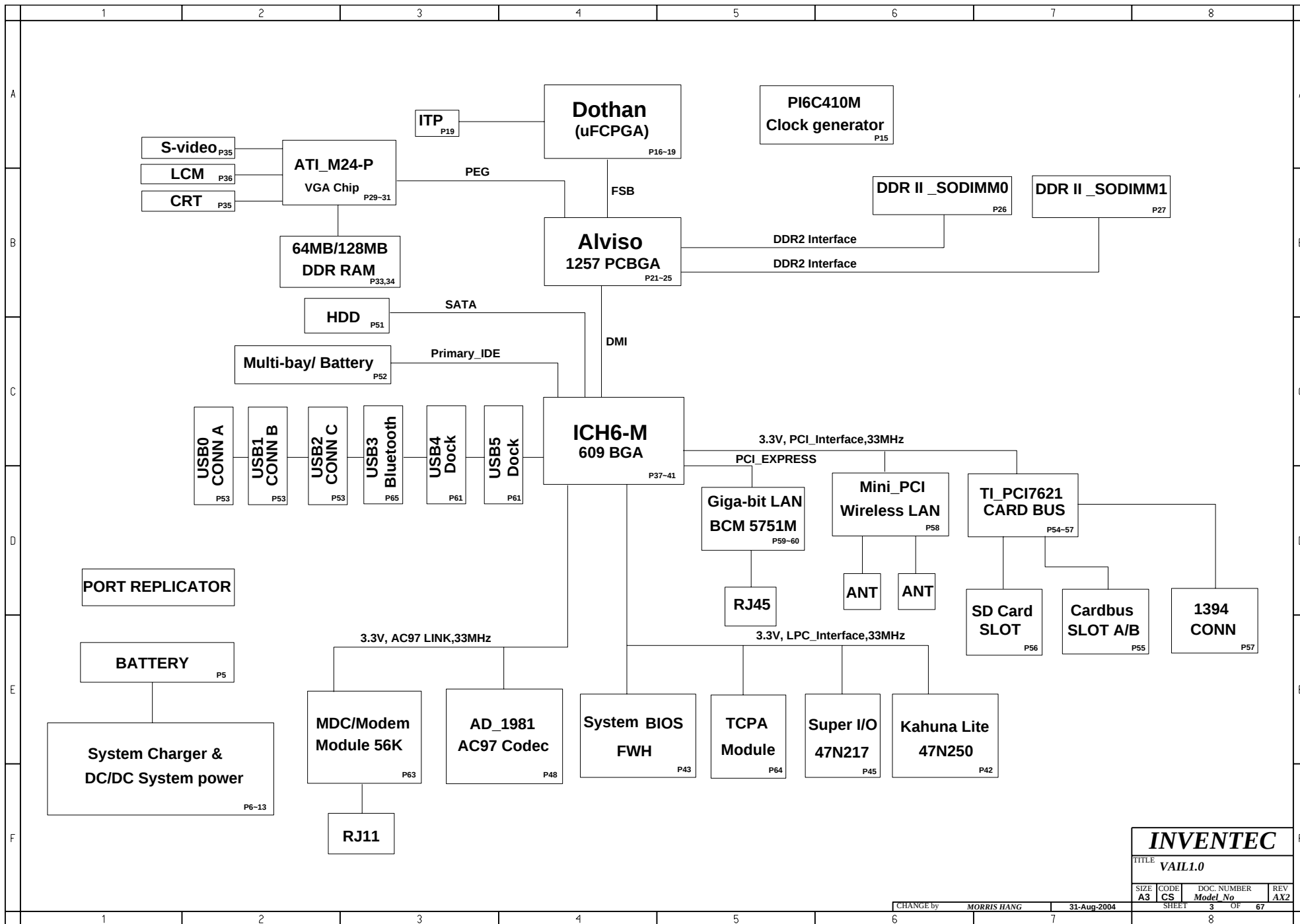
TABLE OF CONTENTS

- 51- HDD CONN
- 52- MULTIBAY CONN
- 53- USB CONN
- 54- CARDBUS CONTROLL
- 55- PC CARD SLOT
- 56- SD CARD CONN & IR
- 57- 1394 (FOR VAIL ONLY)
- 58- MINIPCI CONN
- 59- LAN INTERFACE-1
- 60- LAN RJ45 CONN
- 61- DOCKING CONN
- 62- SCREW
- 63- MDC CONN
- 64- TCPA CONN
- 65- BLUETOOTH
- 66- BUTTON & SWITCH & LED
- 67- LED/SWITCH BOTTON BOARD

TITLE			
VAIL1.0			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AX2

CHANGE by	MORRIS HANG	31-Aug-2004
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CS	Model No		AX2
SHEET	2	OF	67
	8		



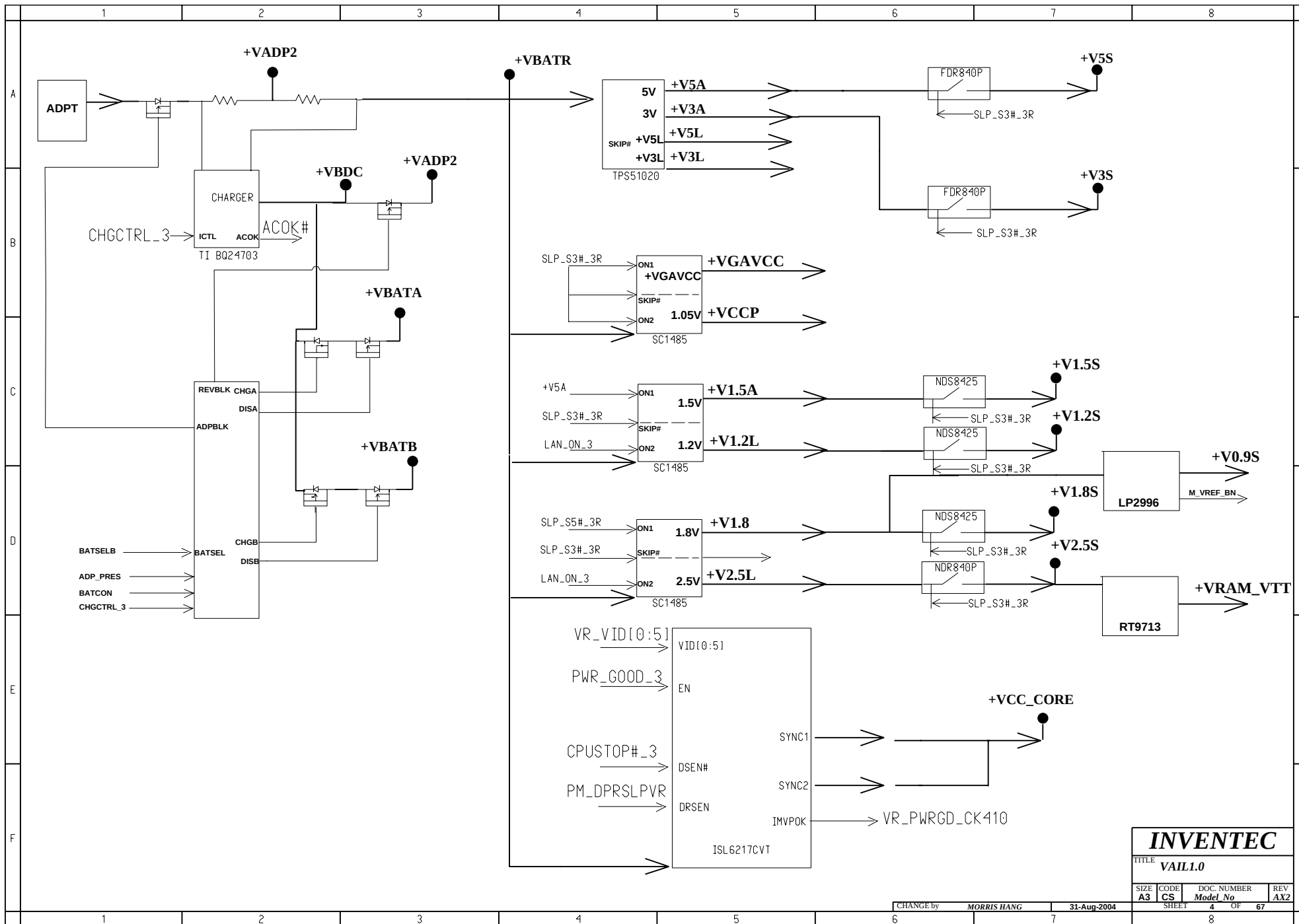
INVENTEC

TITLE
VAIL1.0

SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AX2

CHANGE by **MORRIS HANG** 31-Aug-2004

SHEET 3 OF 67



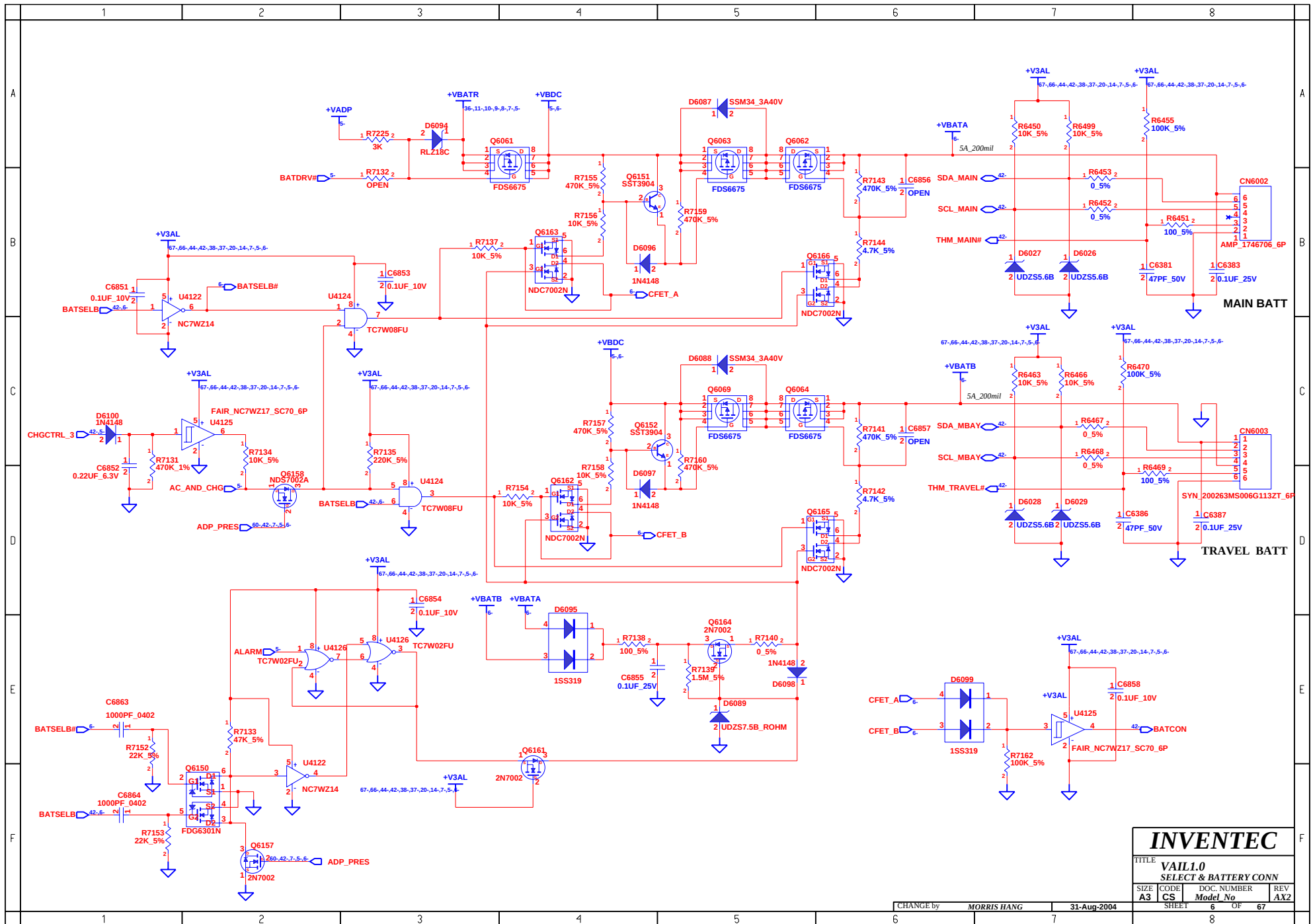
INVENTEC

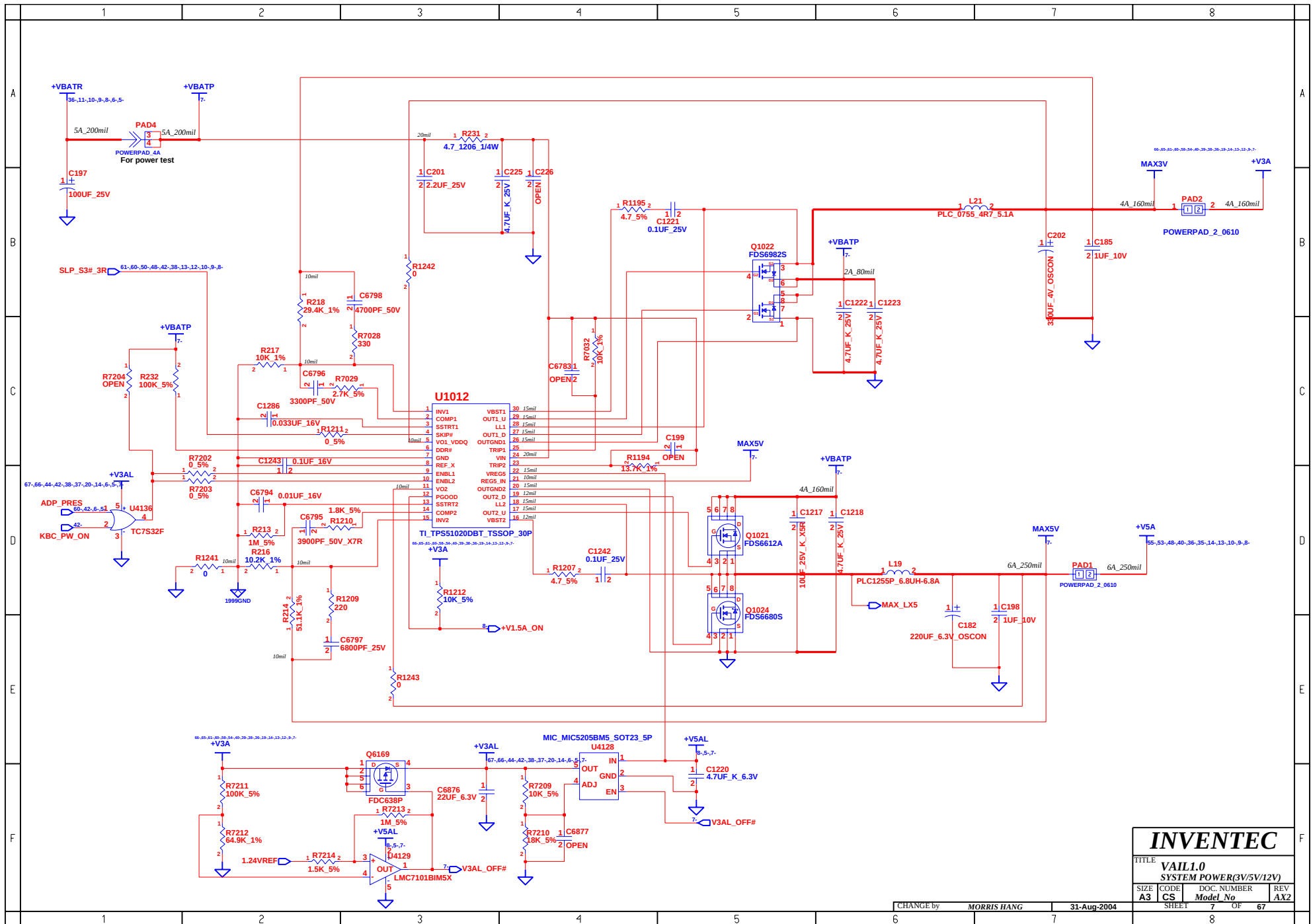
TITLE
VAIL1.0

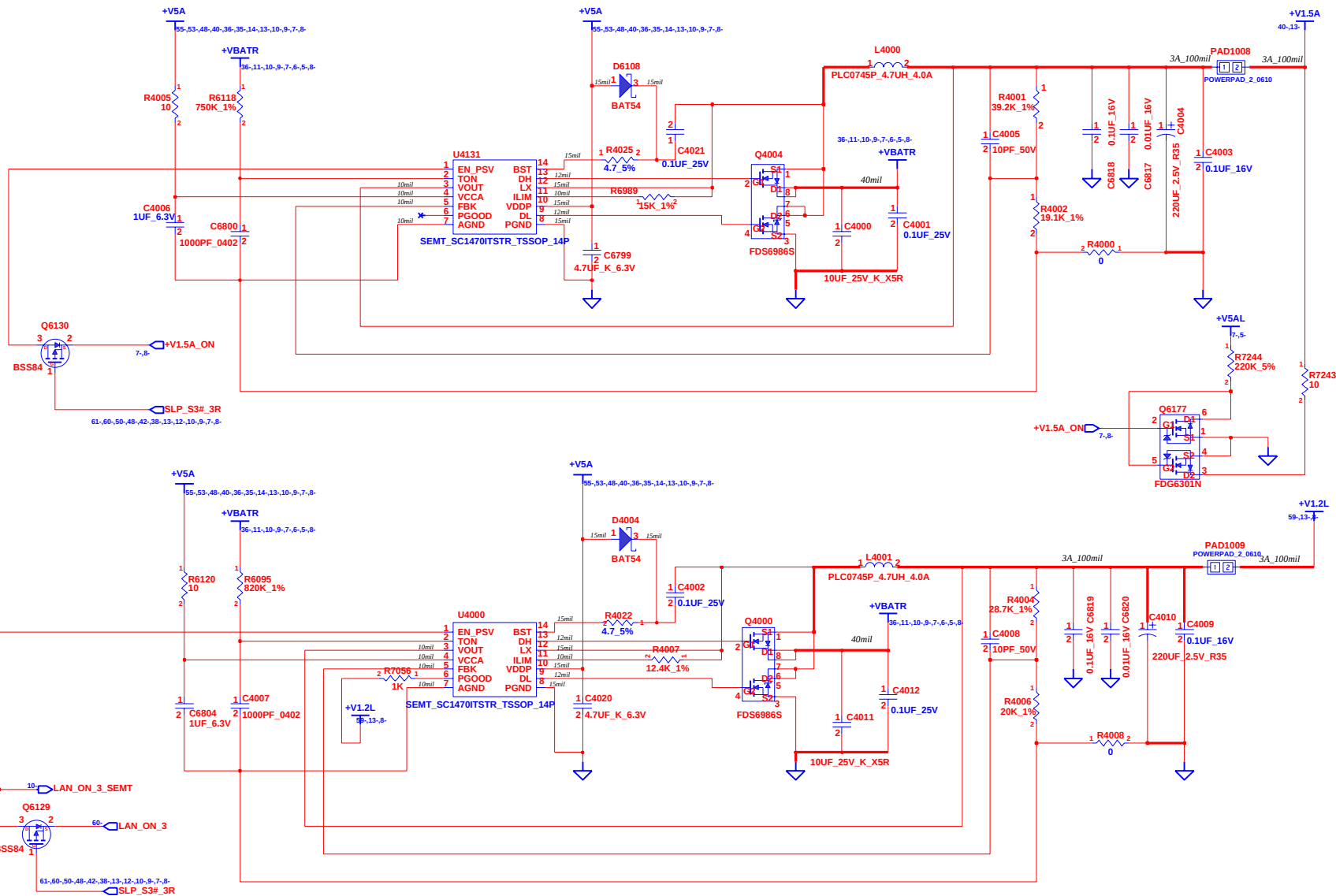
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AX2

CHANGE by **MORRIS HANG** 31-Aug-2004

SHEET 4 OF 67





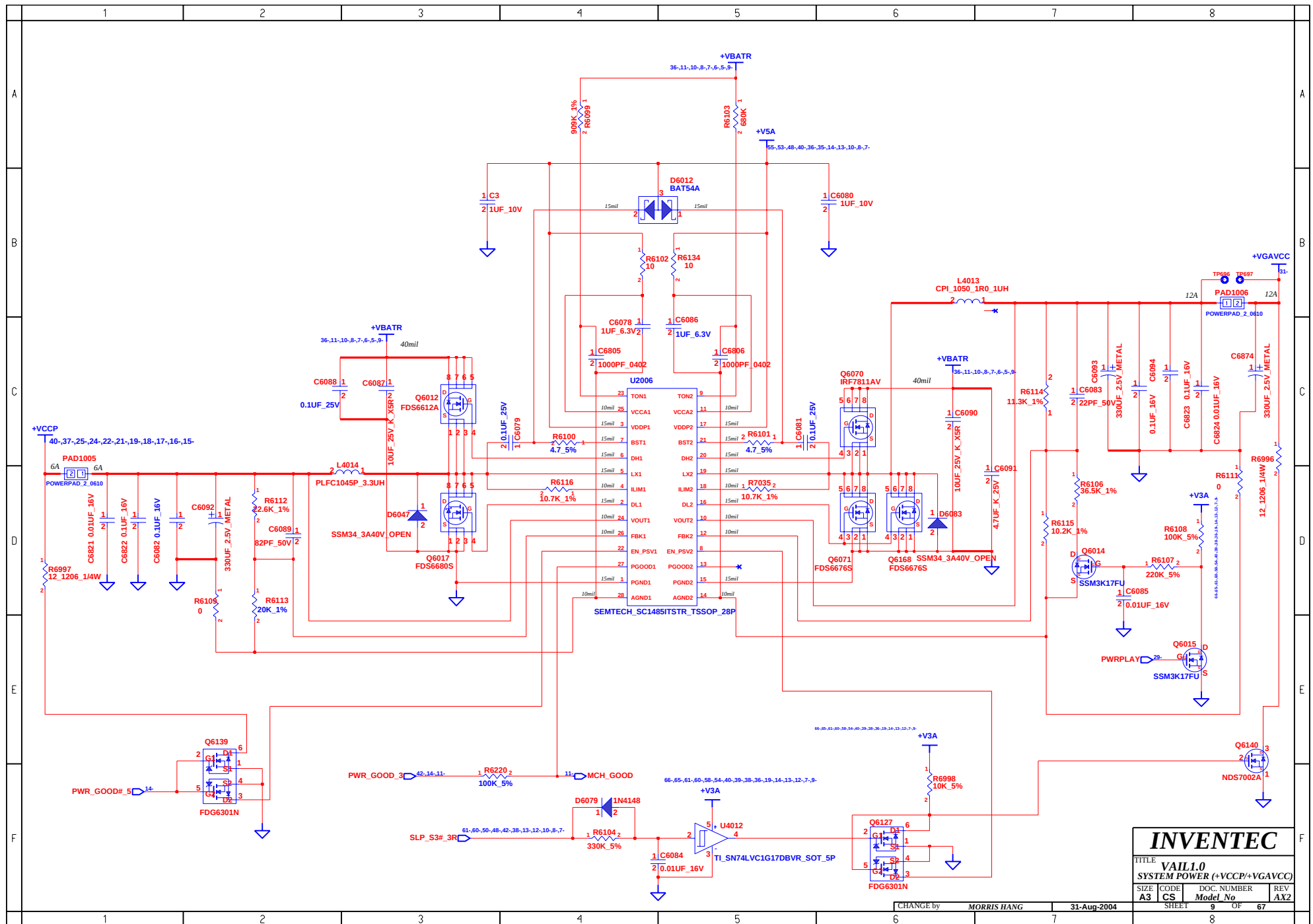


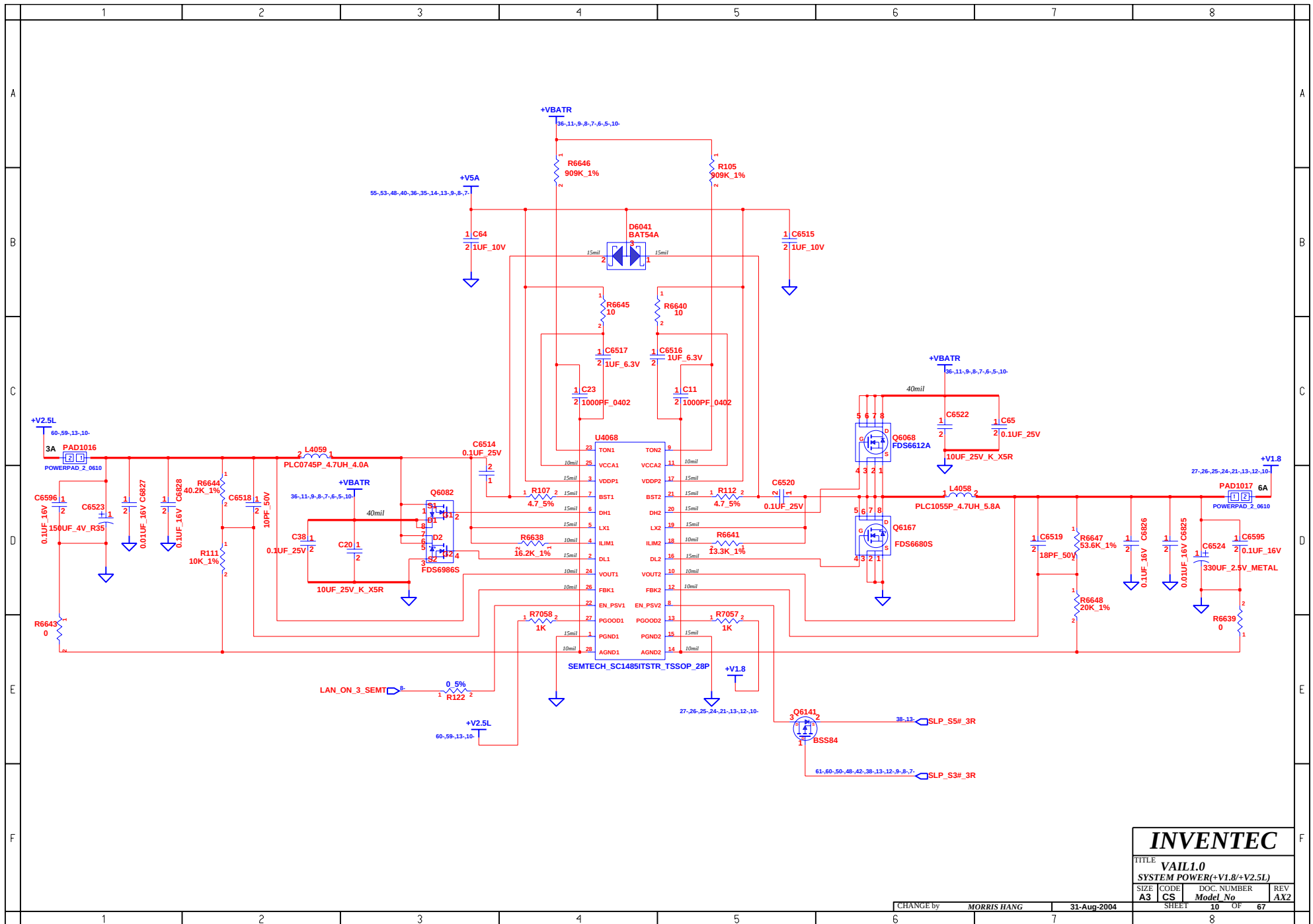
INVENTEC

TITLE			
VAIL1.0			
SYSTEM POWER(+V2.5L/+V1.5A)			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AX2

CHANGE by MORRIS HANG 31-Aug-2004

SHEET 8 OF 67



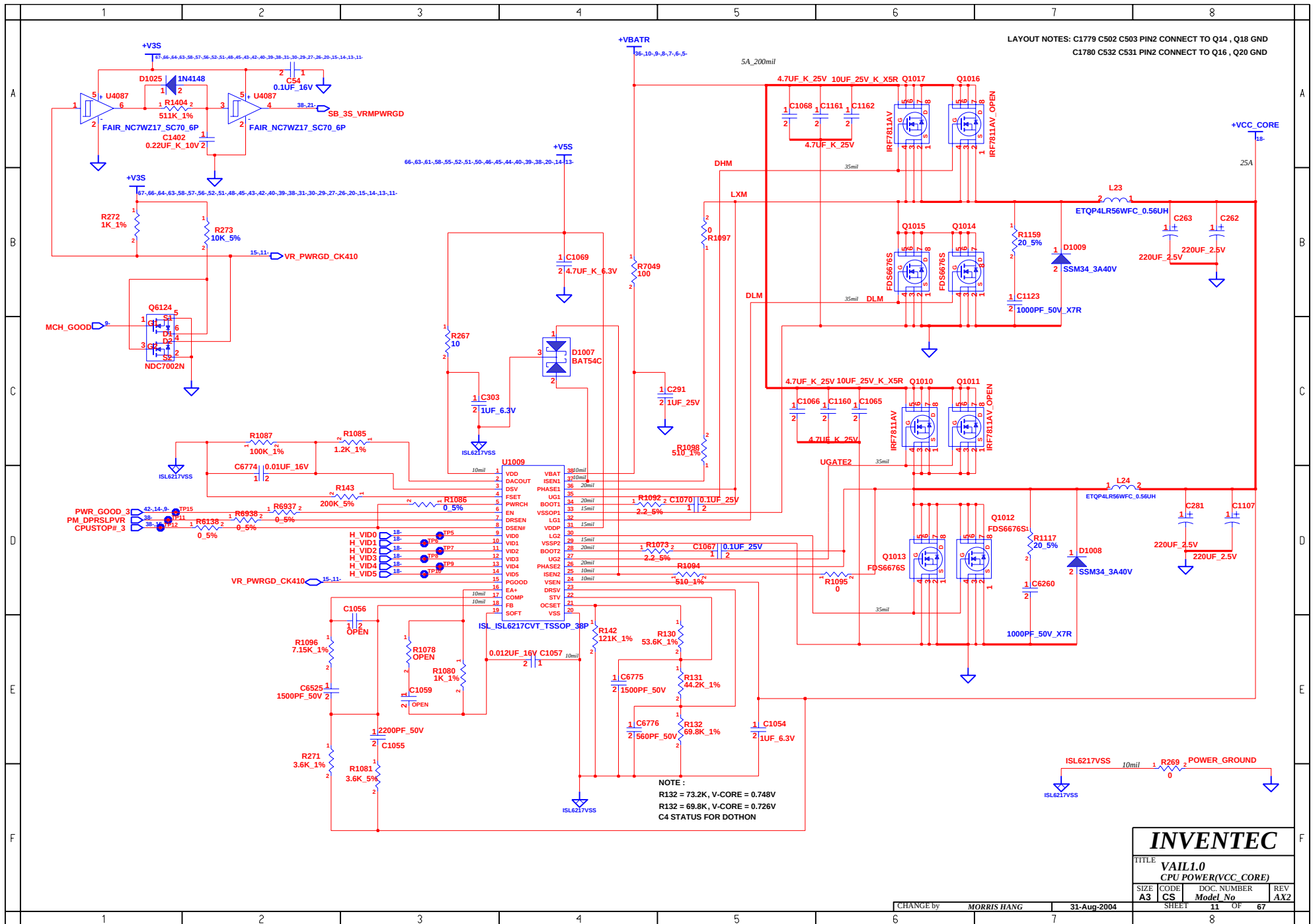


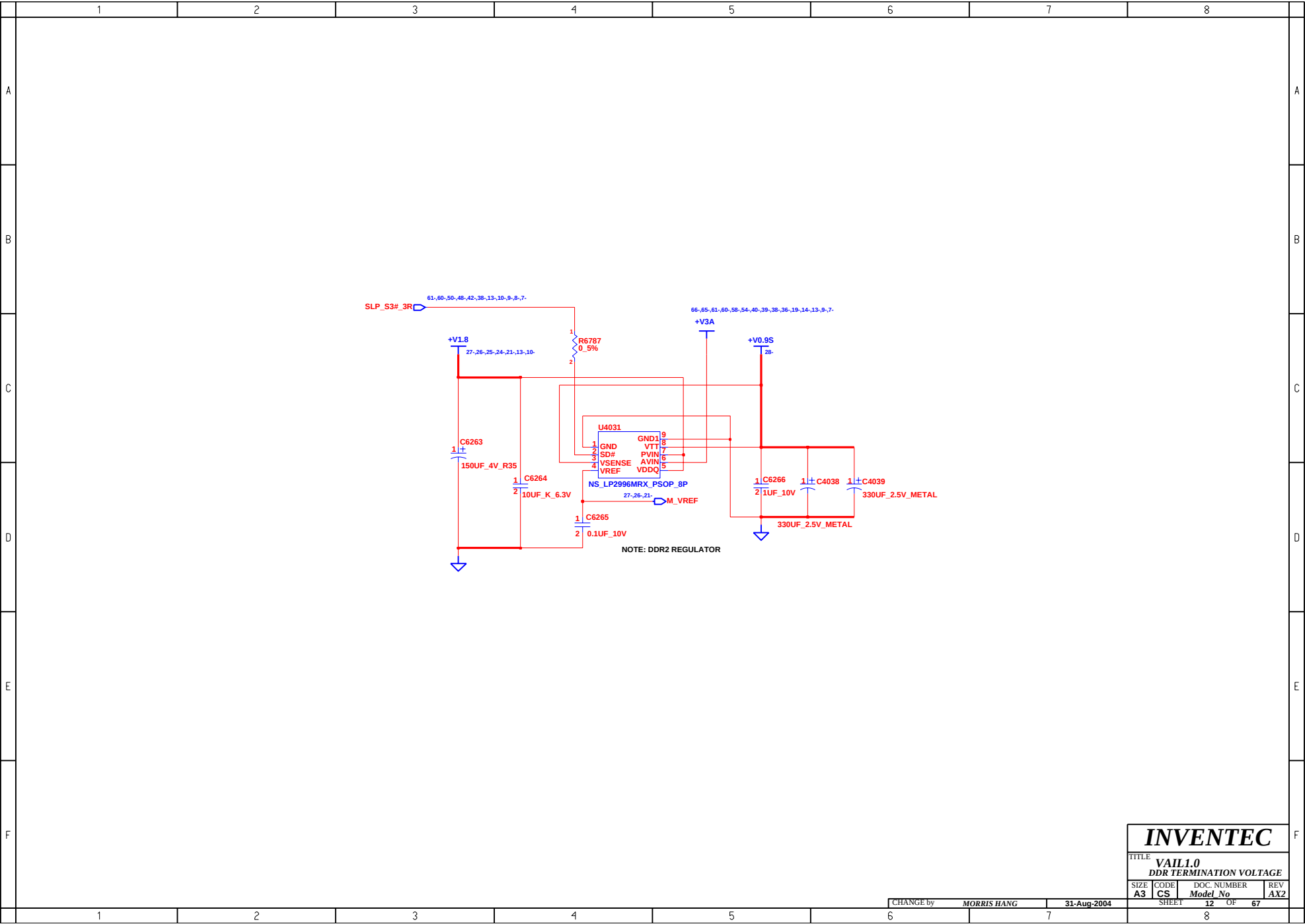
INVENTEC

TITLE			
VAIL1.0			
SYSTEM POWER(+V1.8/+V2.5L)			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AX2

CHANGE by MORRIS HANG 31-Aug-2004

SHEET 10 OF 67





INVENTEC

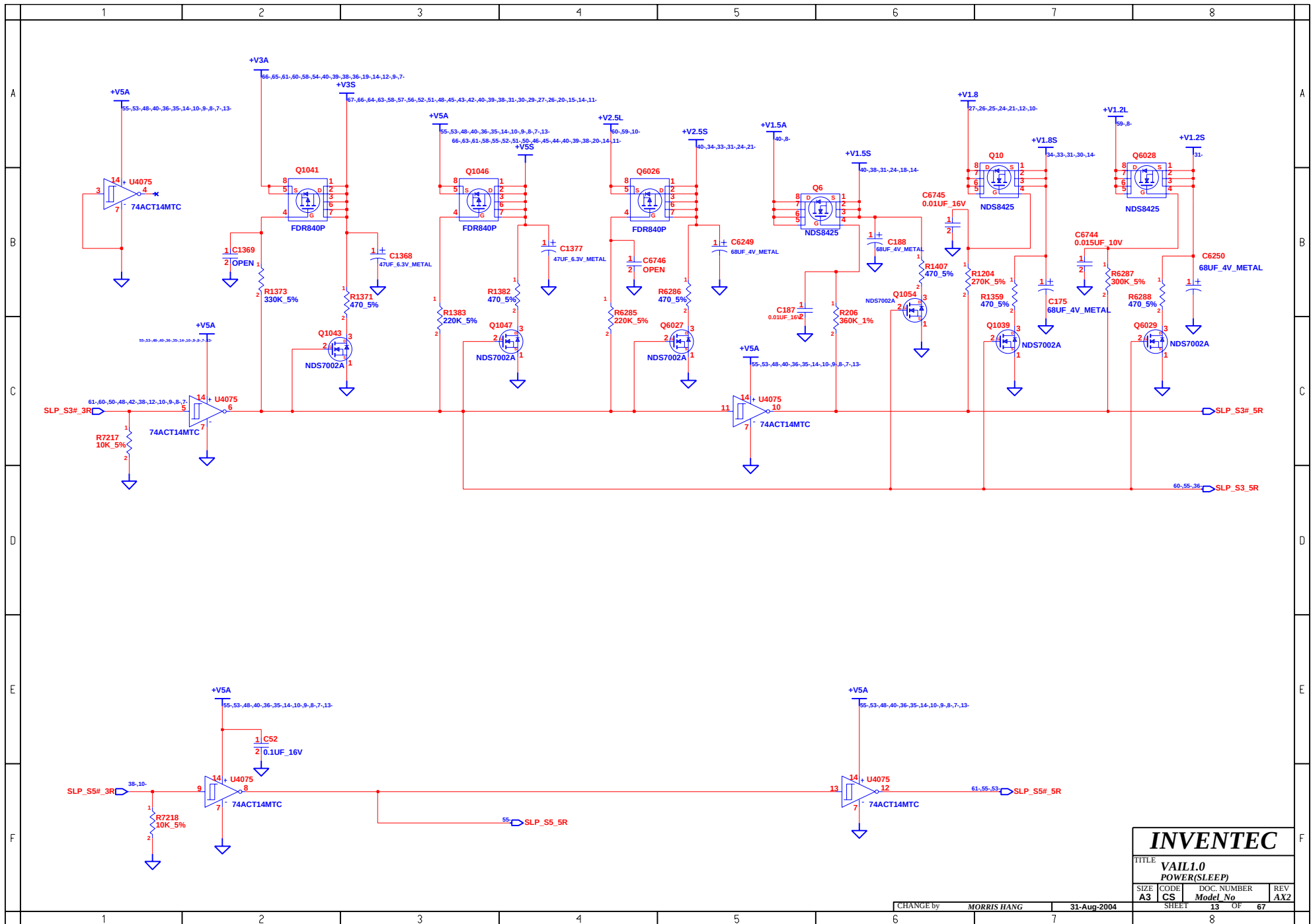
TITLE **VAIL1.0**
DDR TERMINATION VOLTAGE

SIZE A3	CODE CS	DOC. NUMBER <i>Model No</i>	REV AX2
-------------------	-------------------	--------------------------------	-------------------

CHANGE by **MORRIS HANG** **31-Aug-2004**

SHEET **12** OF **67**

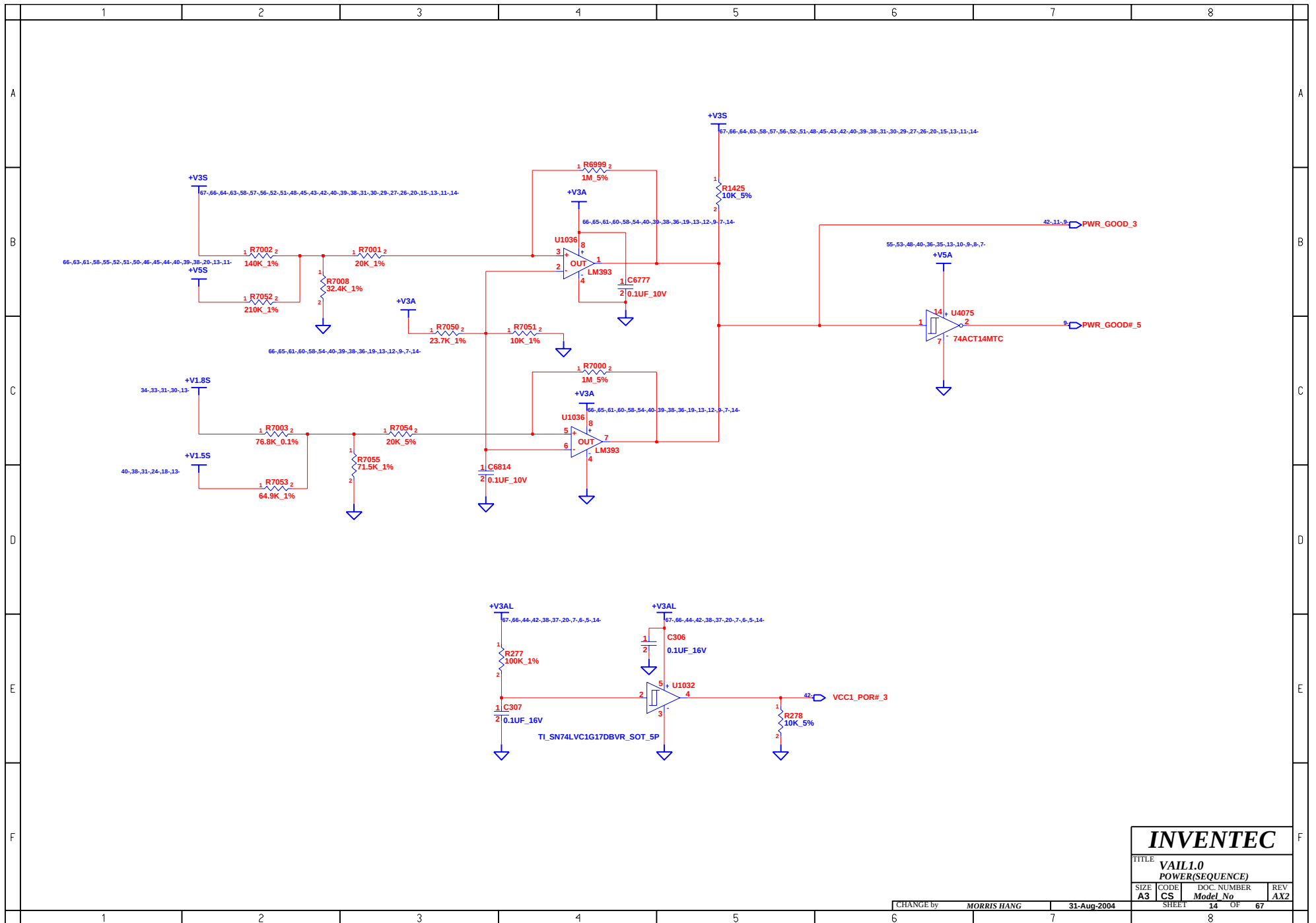
8



INVENTEC

TITLE			
VAIL1.0 POWER(SLEEP)			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AX2
SHEET		13	OF 67

CHANGE by MORRIS HANG 31-Aug-2004

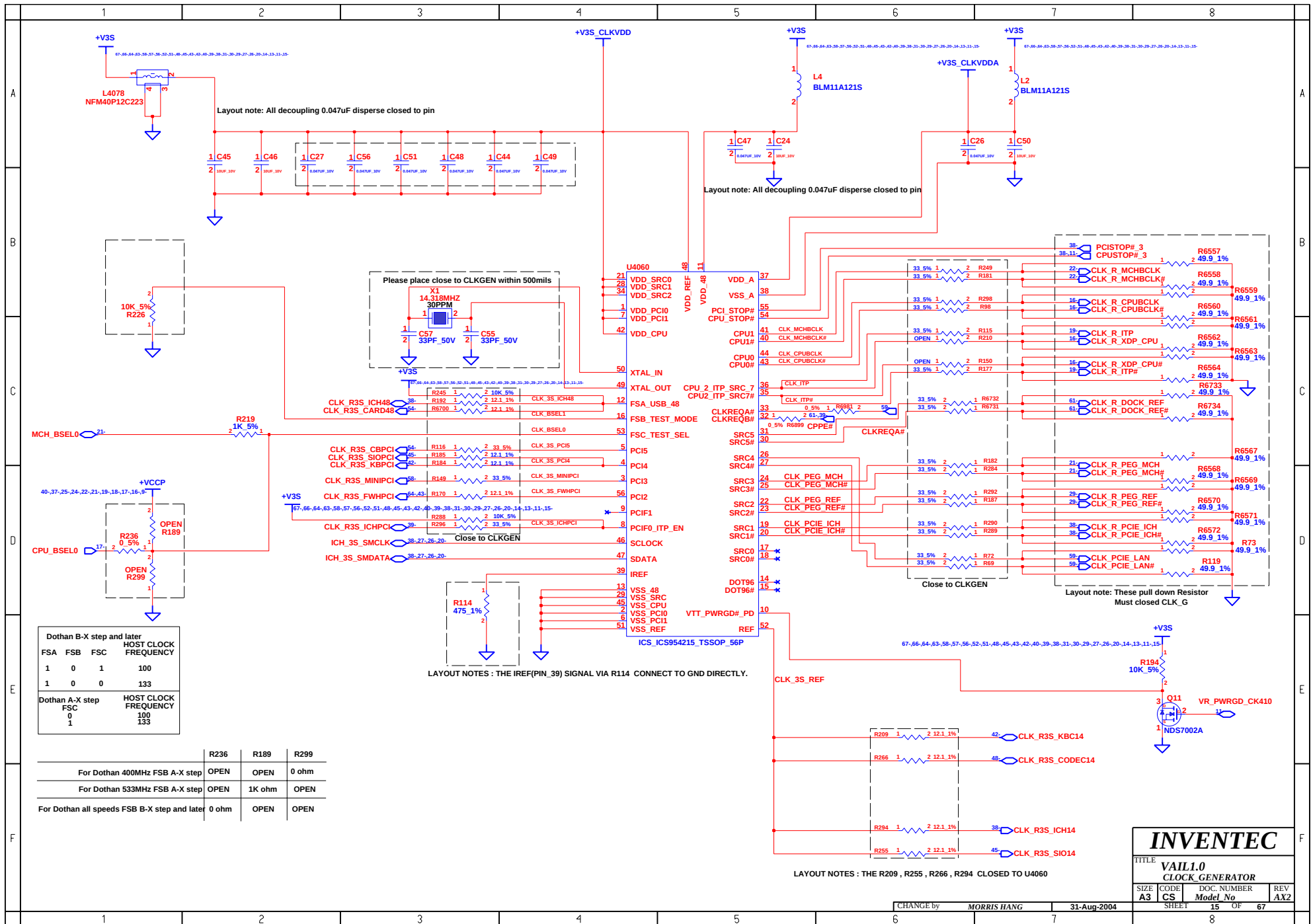


INVENTEC

TITLE			
VAIL1.0			
POWER(SEQUENCE)			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AX2

CHANGE by MORRIS HANG 31-Aug-2004

SHEET 14 OF 67

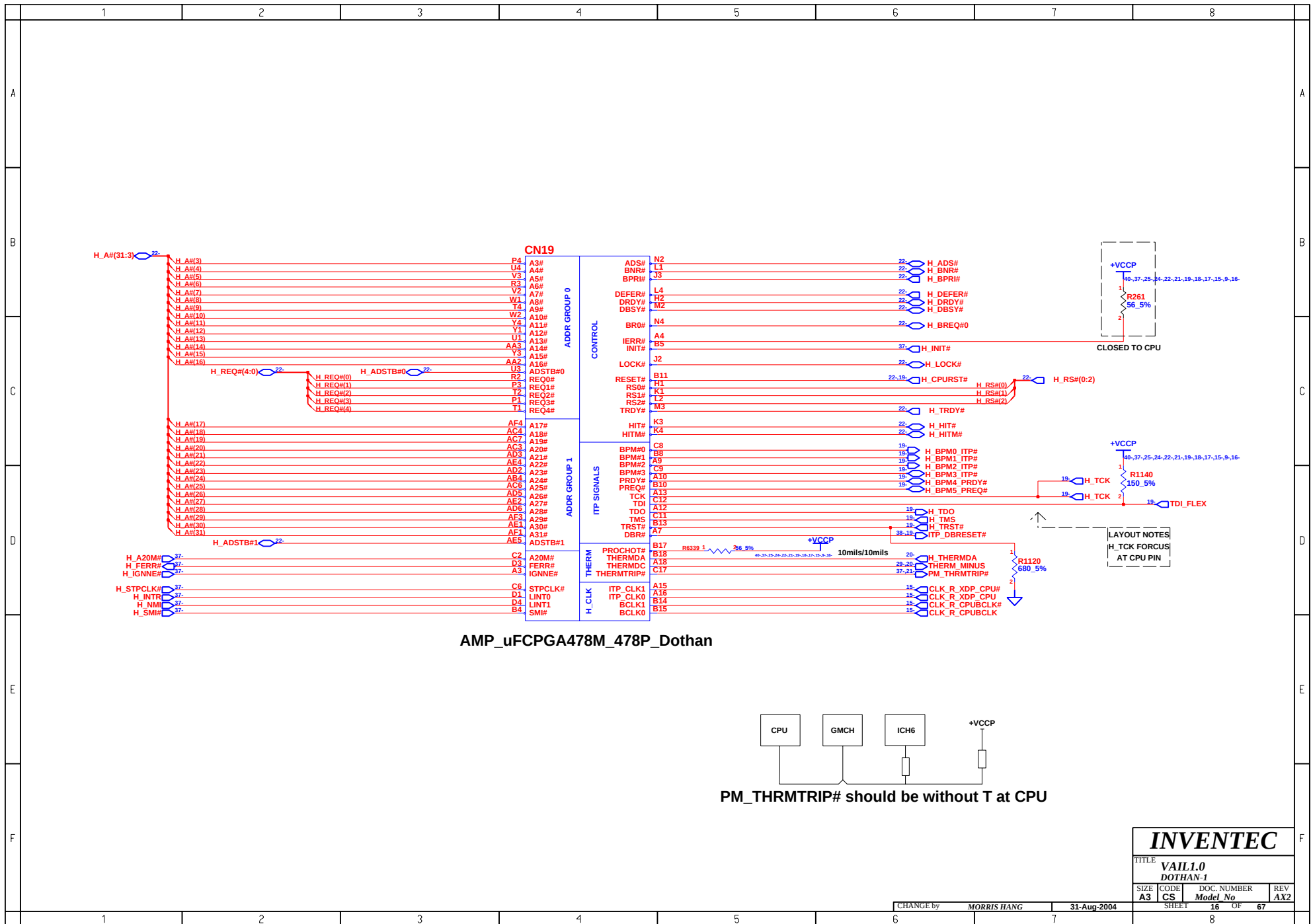


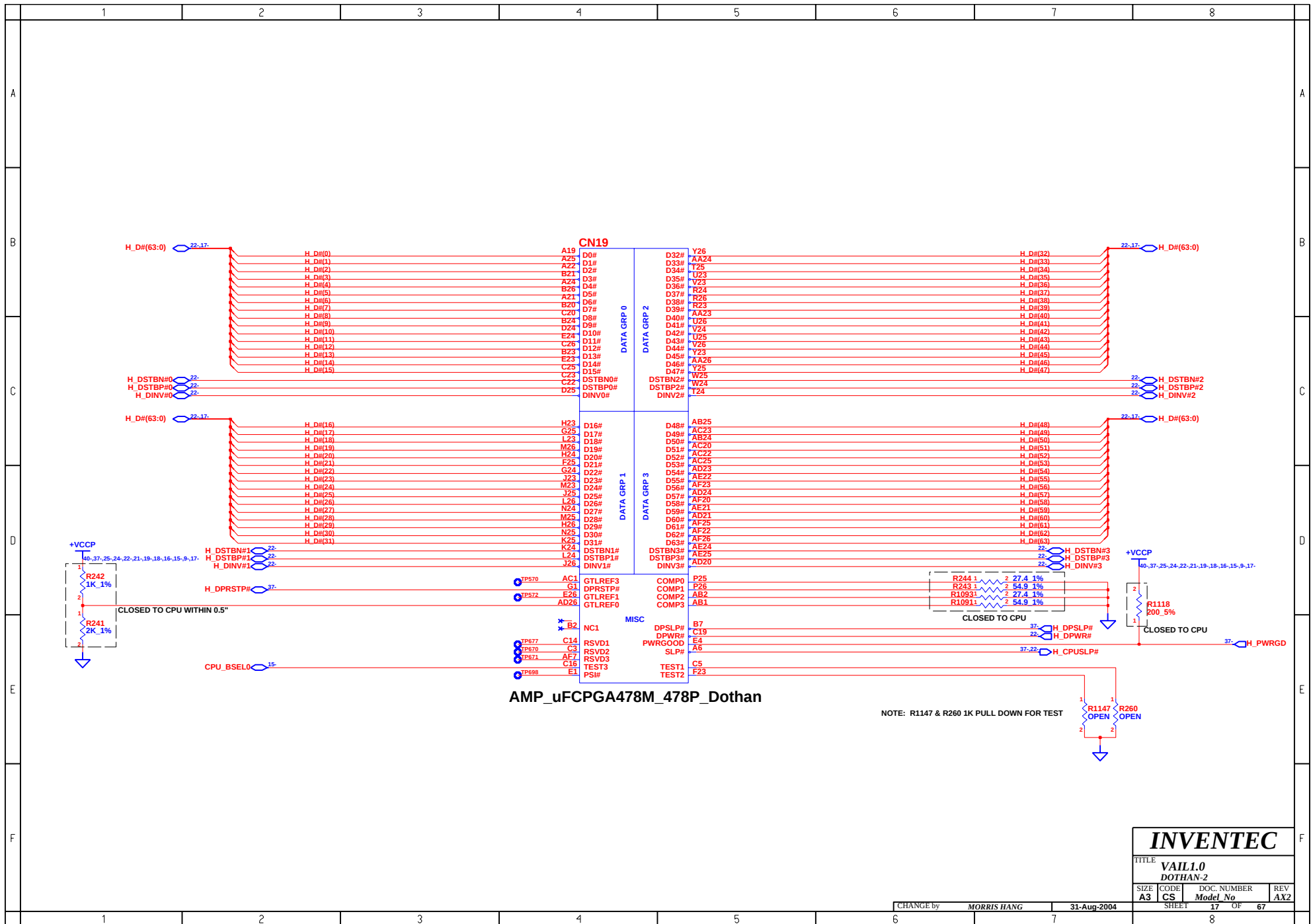
INVENTEC

TITLE VAIL1.0 CLOCK GENERATOR			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV AX2
SHEET 15		OF 67	

CHANGE by MORRIS HANG 31-Aug-2004

8

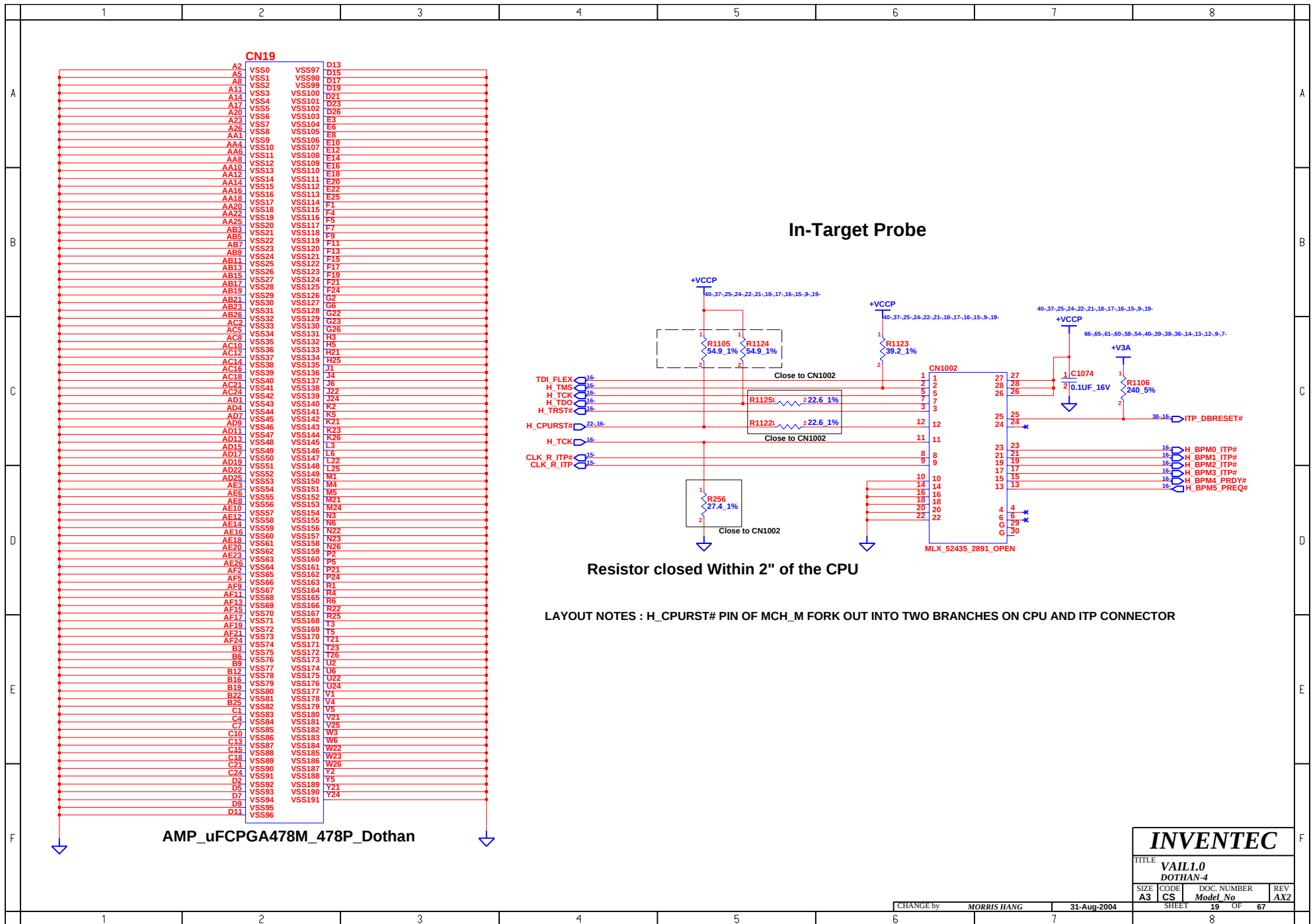


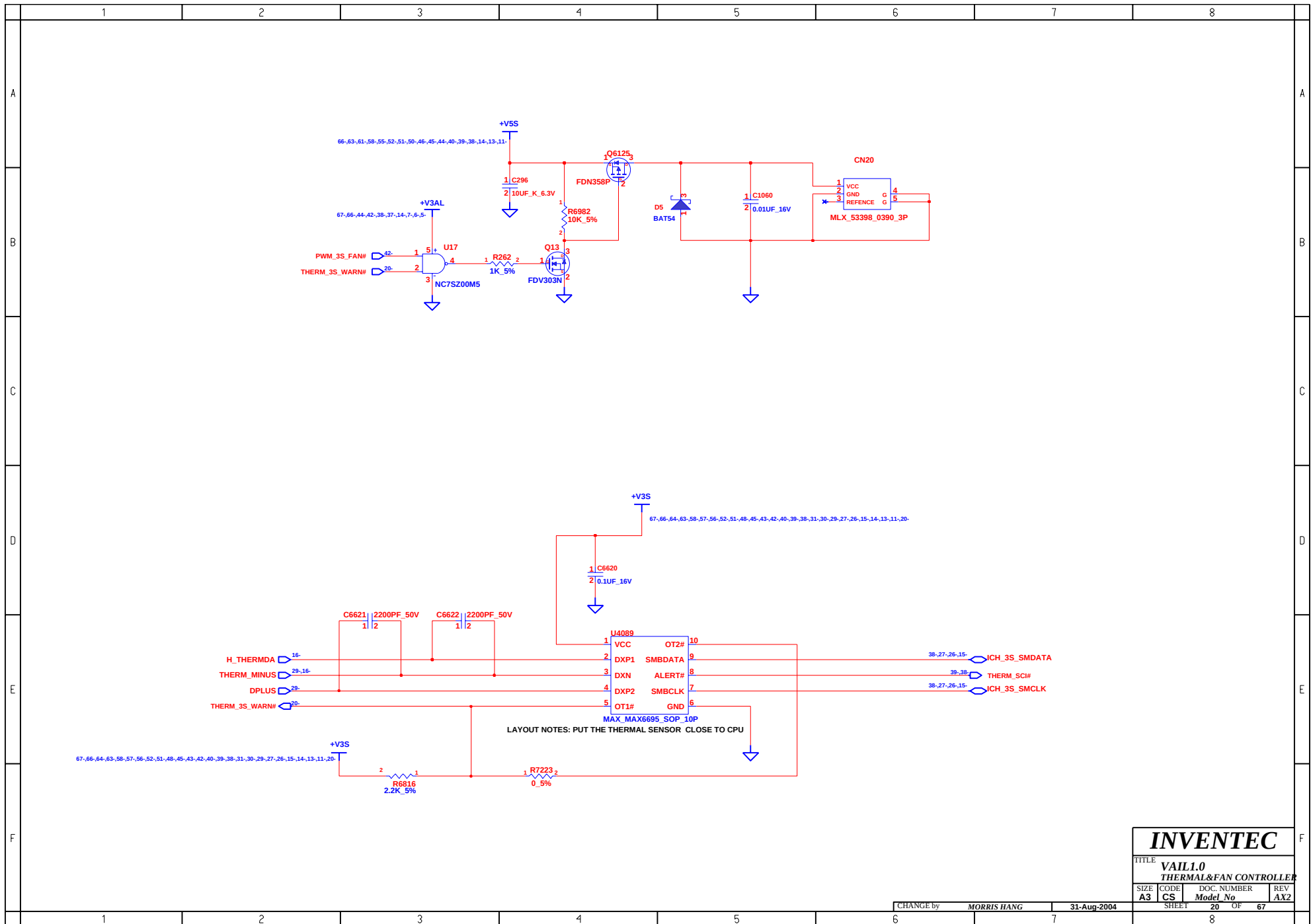


INVENTEC

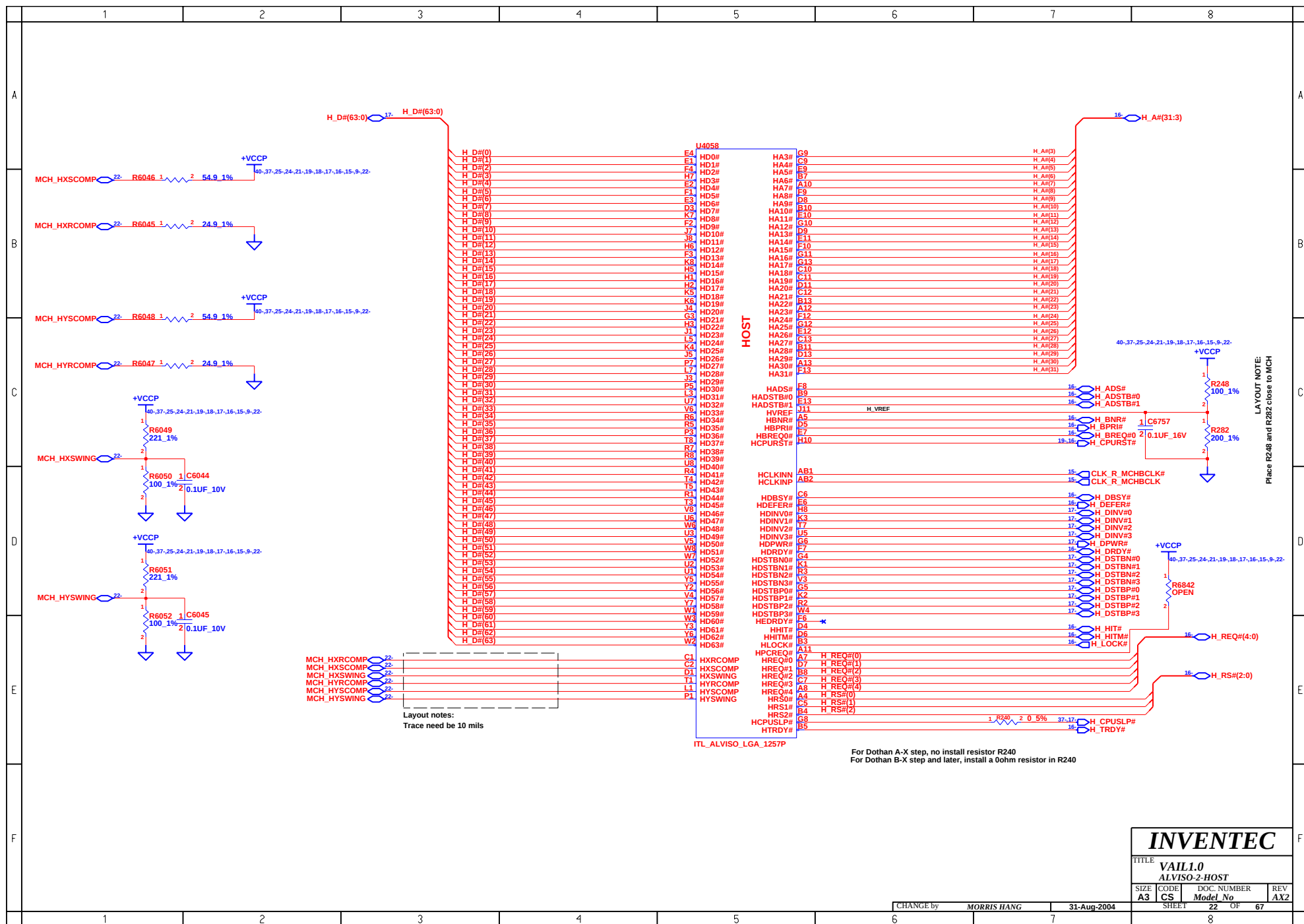
TITLE			
VAIL1.0			
DOTHAN-2			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AX2
SHEET		17	OF 67

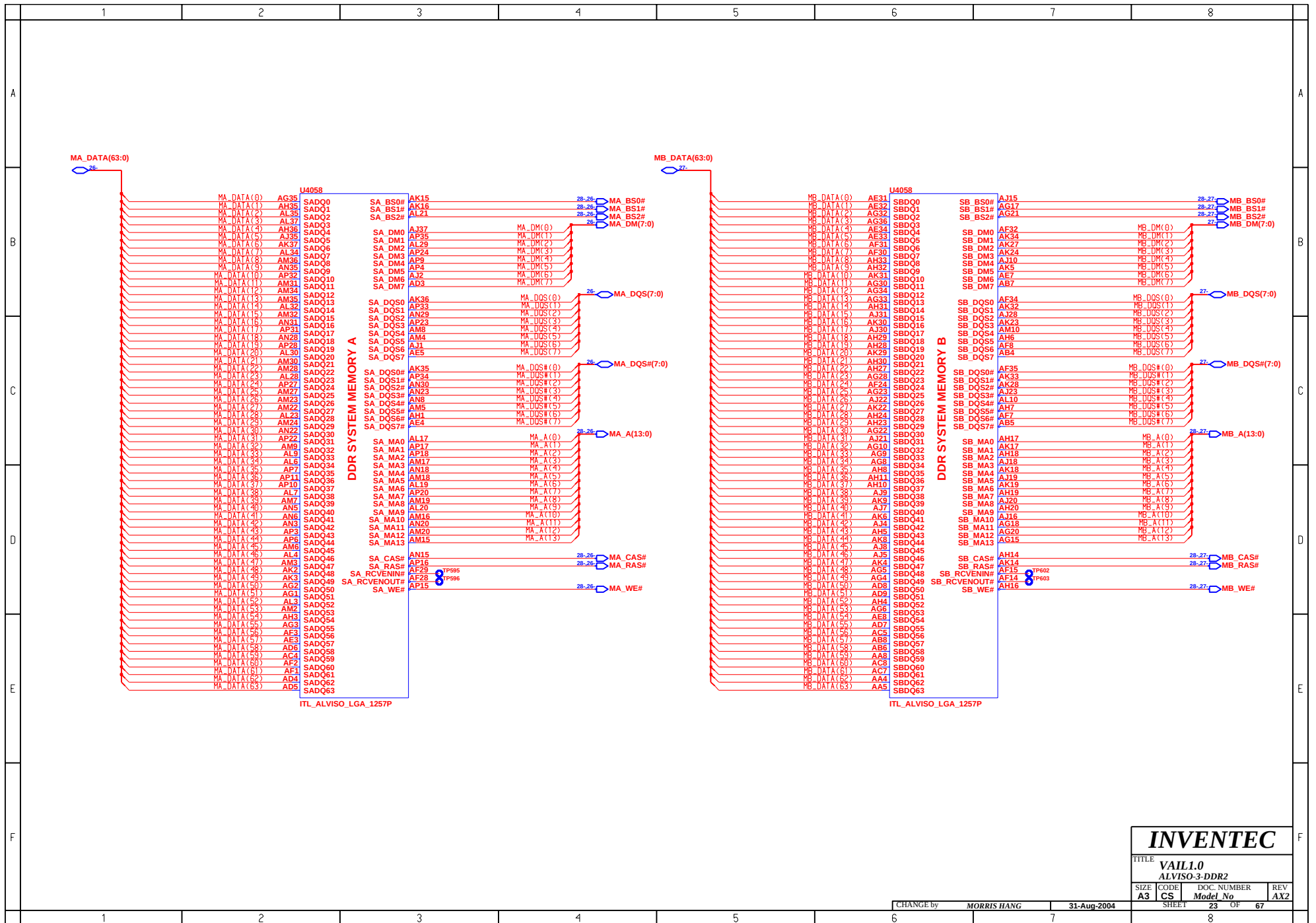
CHANGE by MORRIS HANG 31-Aug-2004





INVENTEC			
TITLE			
VAIL1.0			
THERMAL&FAN CONTROLLER			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AX2
CHANGE by		31-Aug-2004	
SHEET		20	OF 67

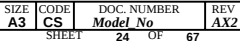


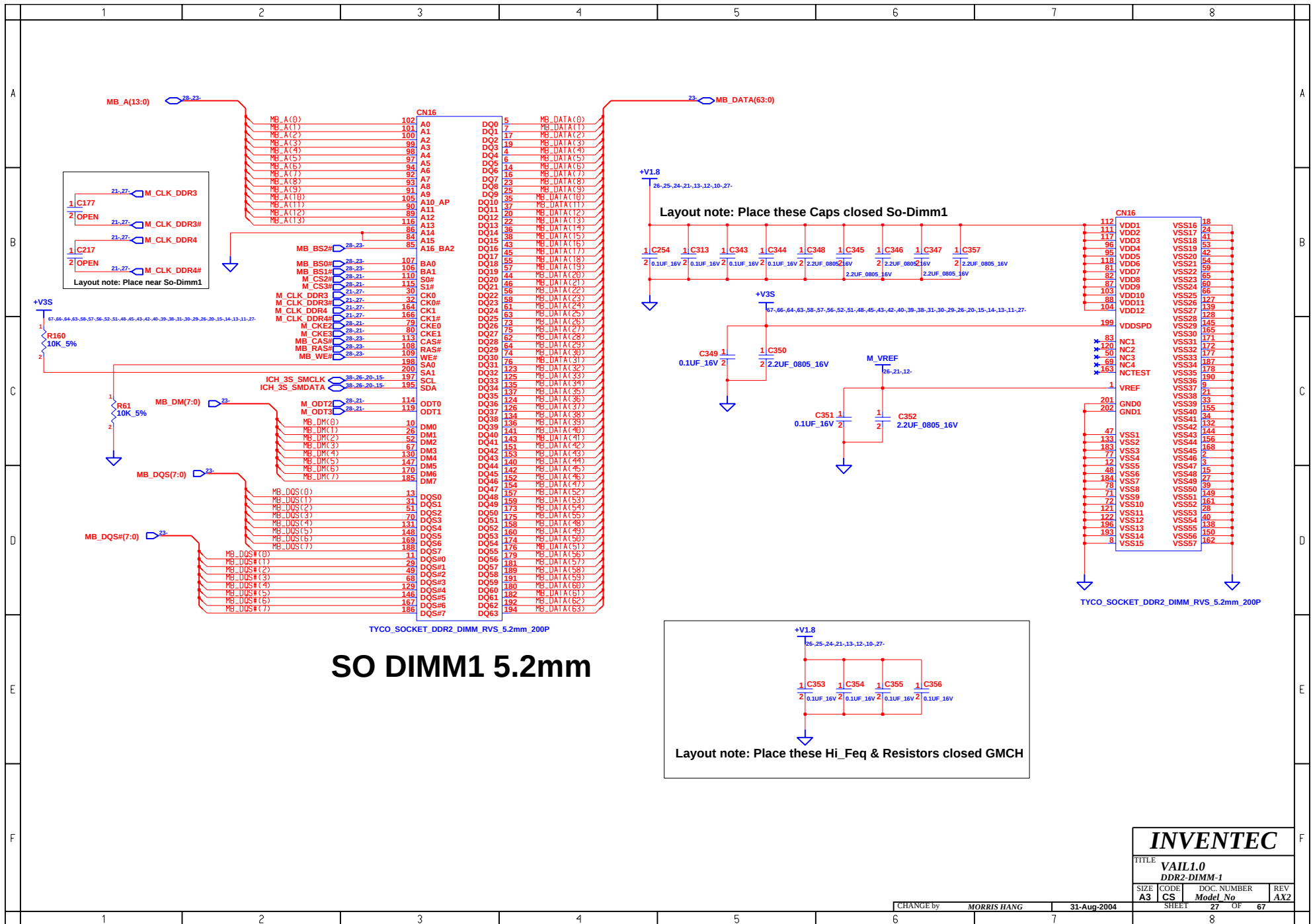


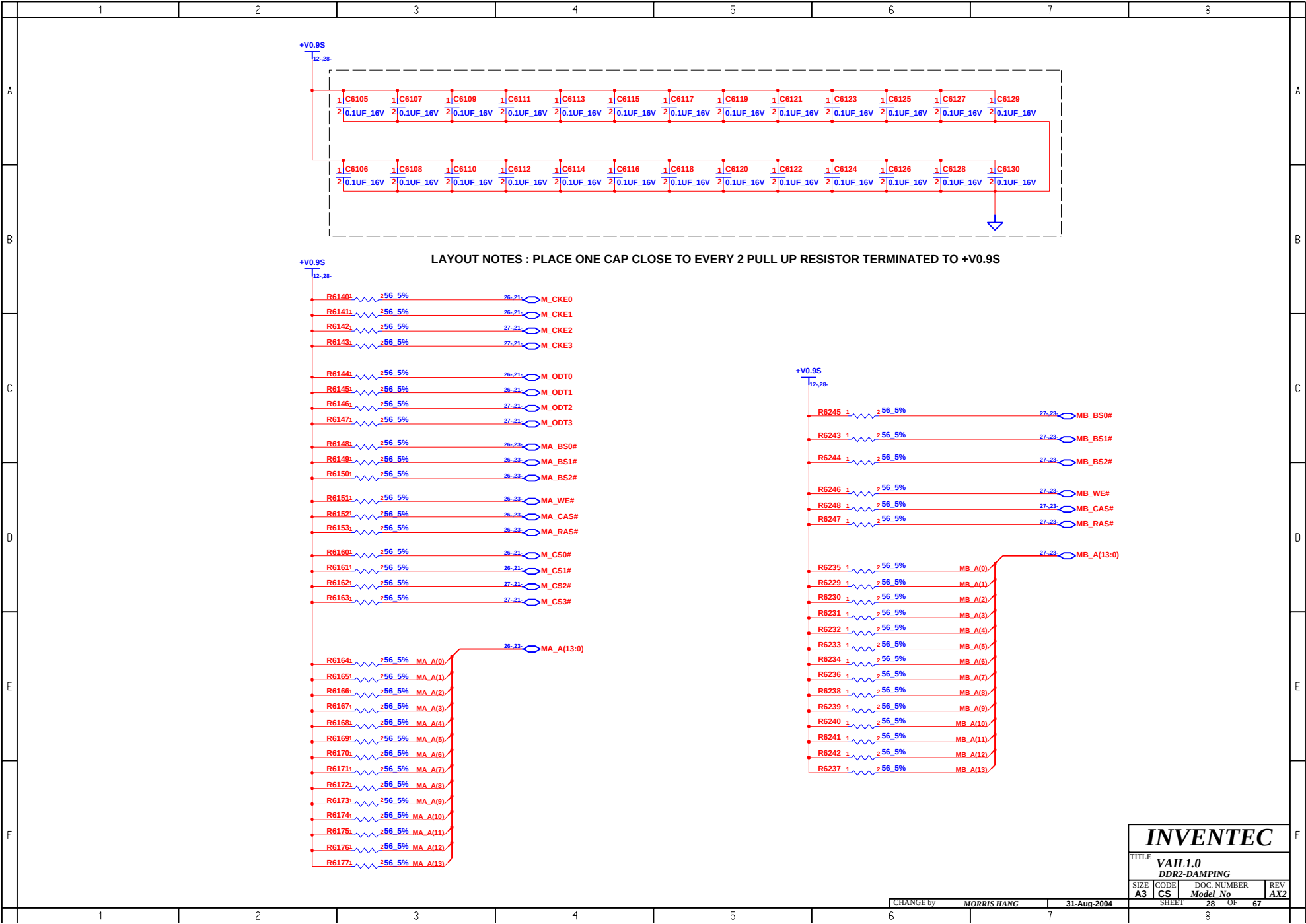
INVENTEC

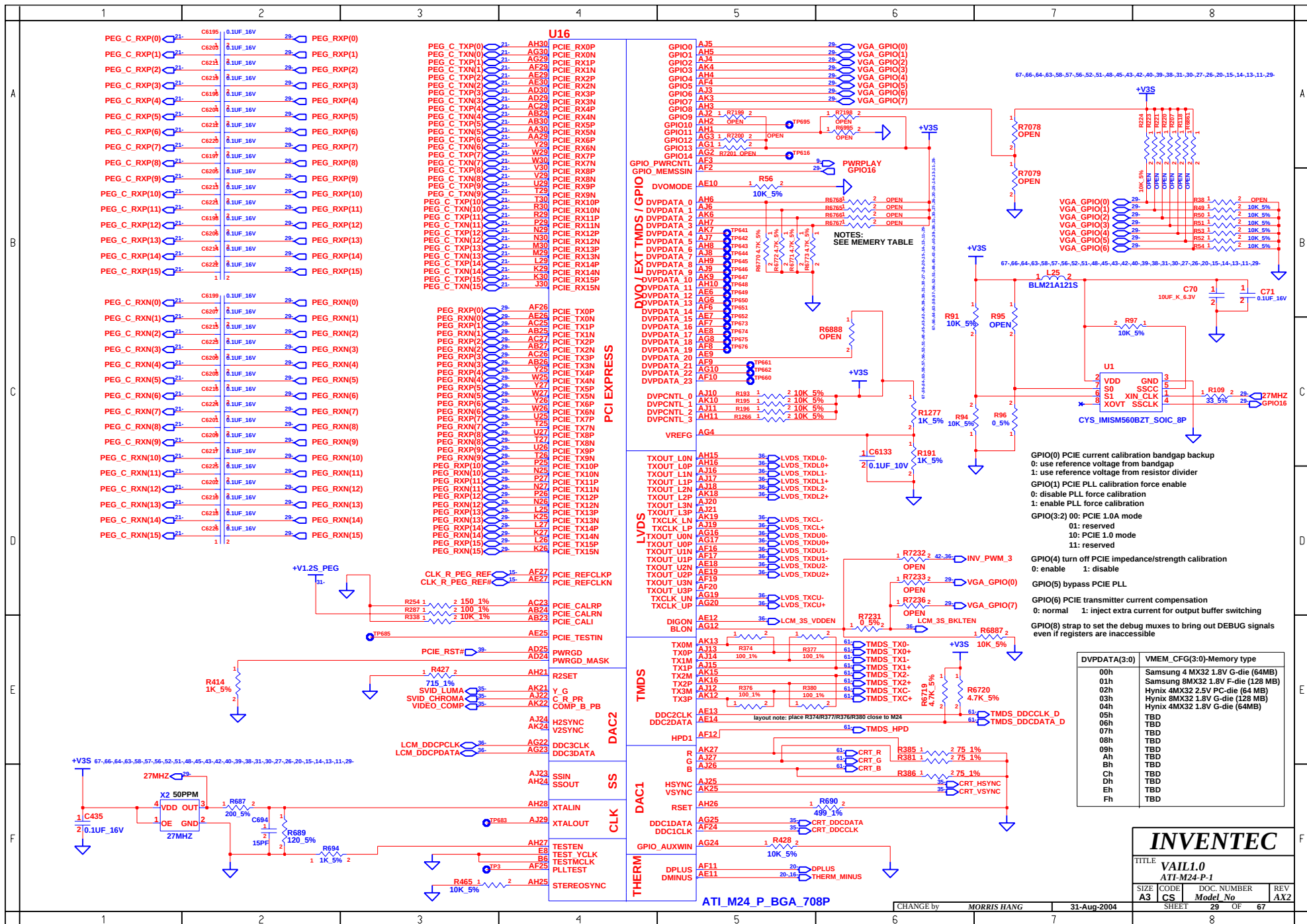
TITLE			
VAIL1.0			
ALVISO-3-DDR2			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AX2
SHEET		23	OF 67

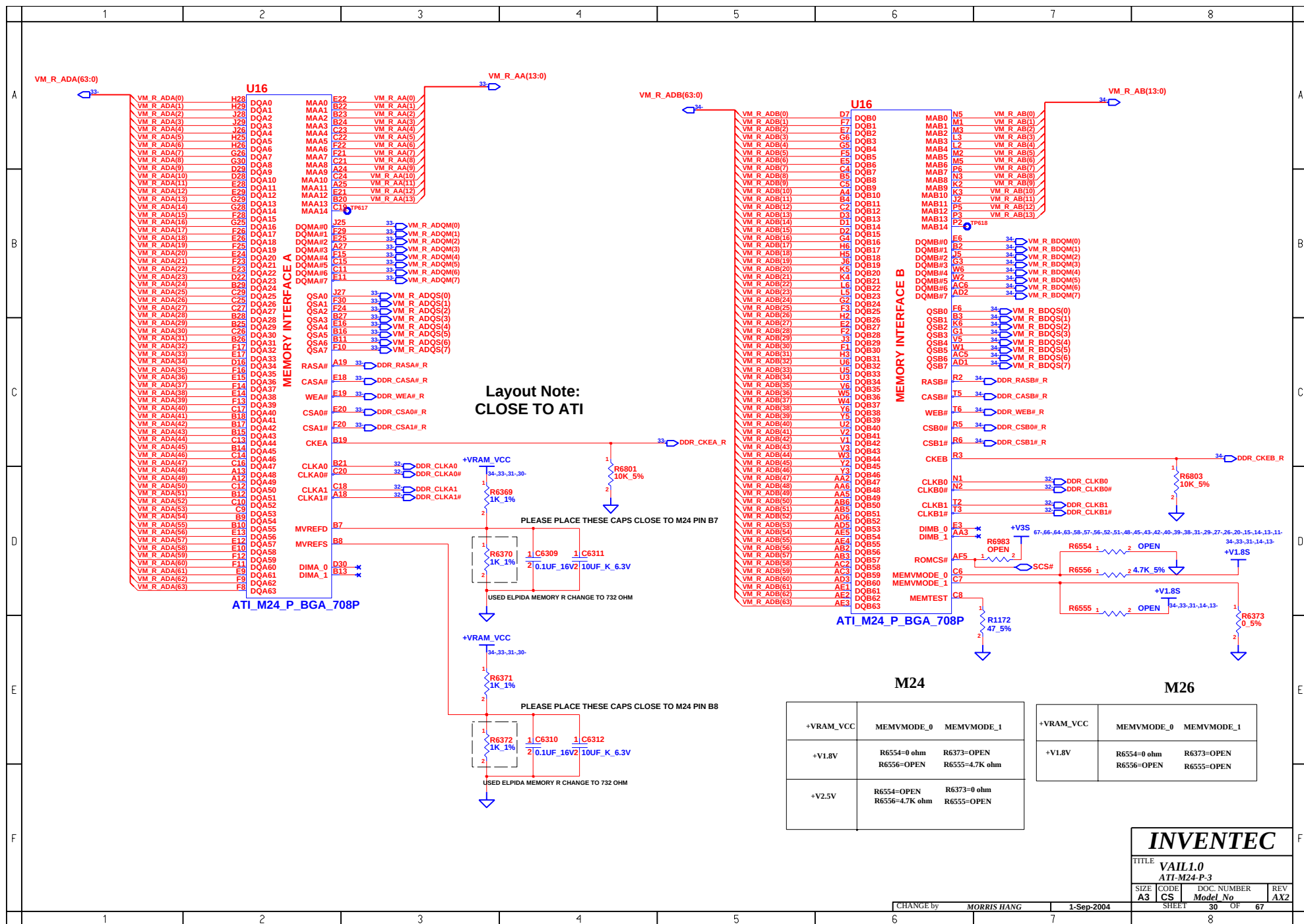
CHANGE by MORRIS HANG 31-Aug-2004

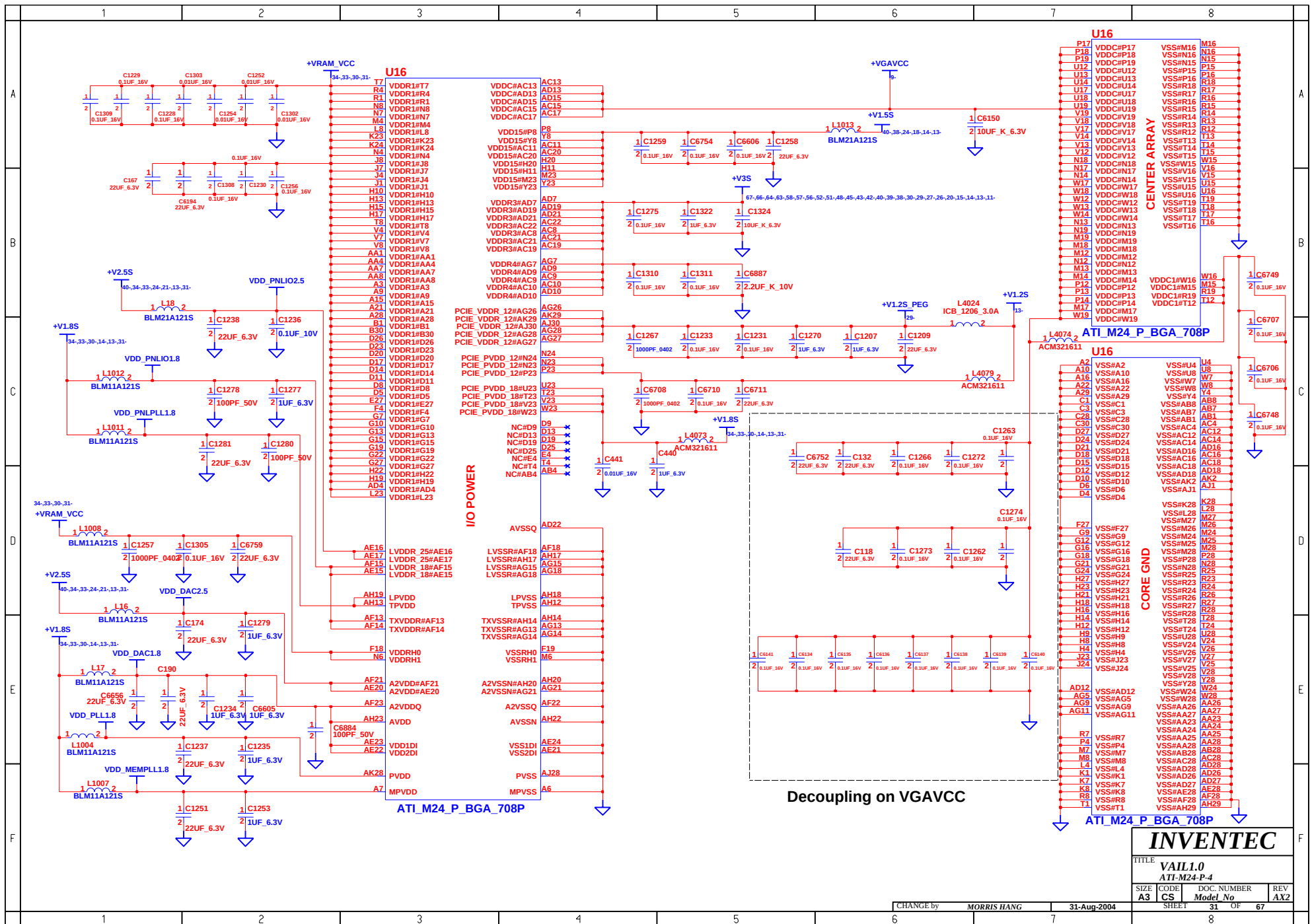


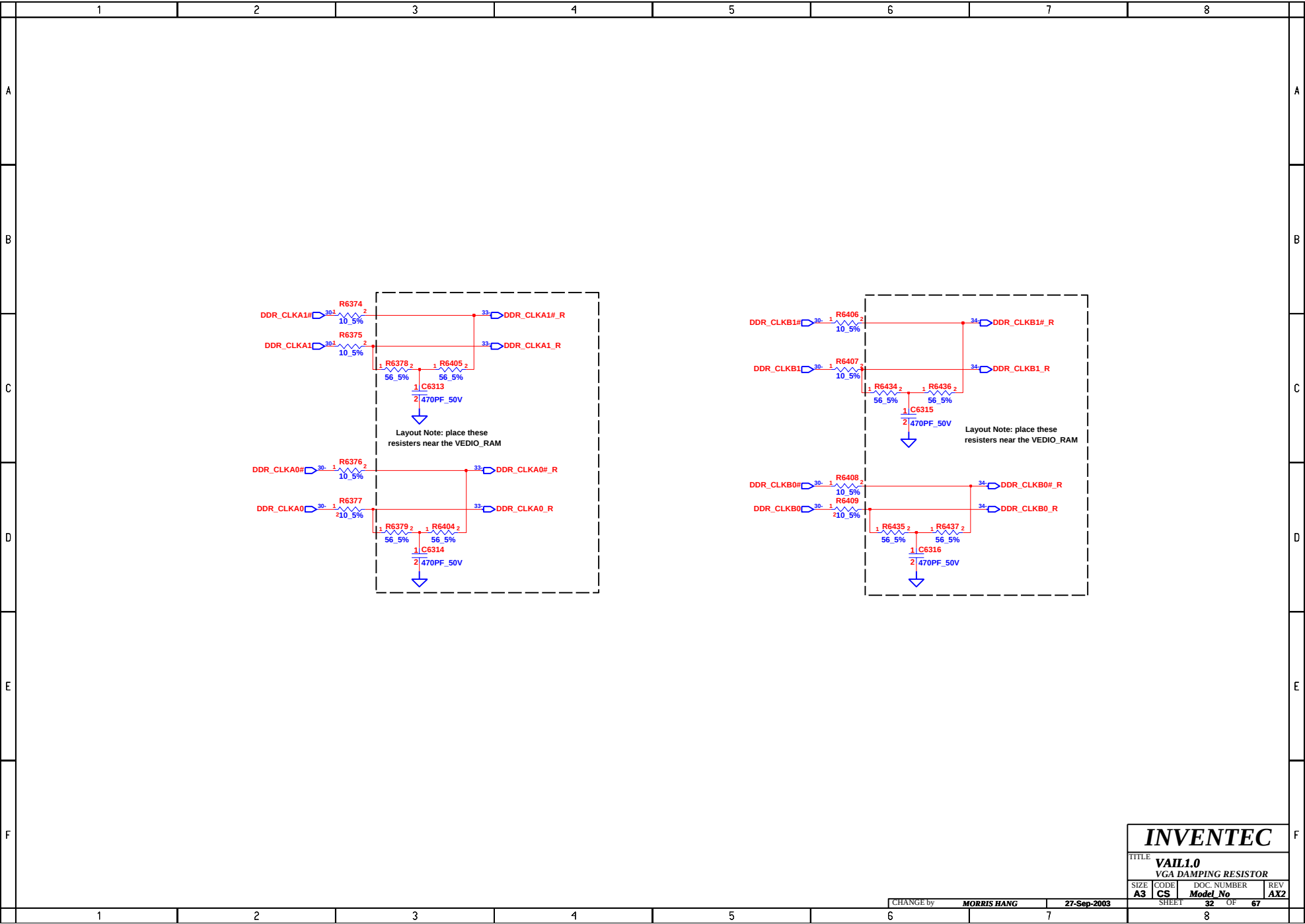










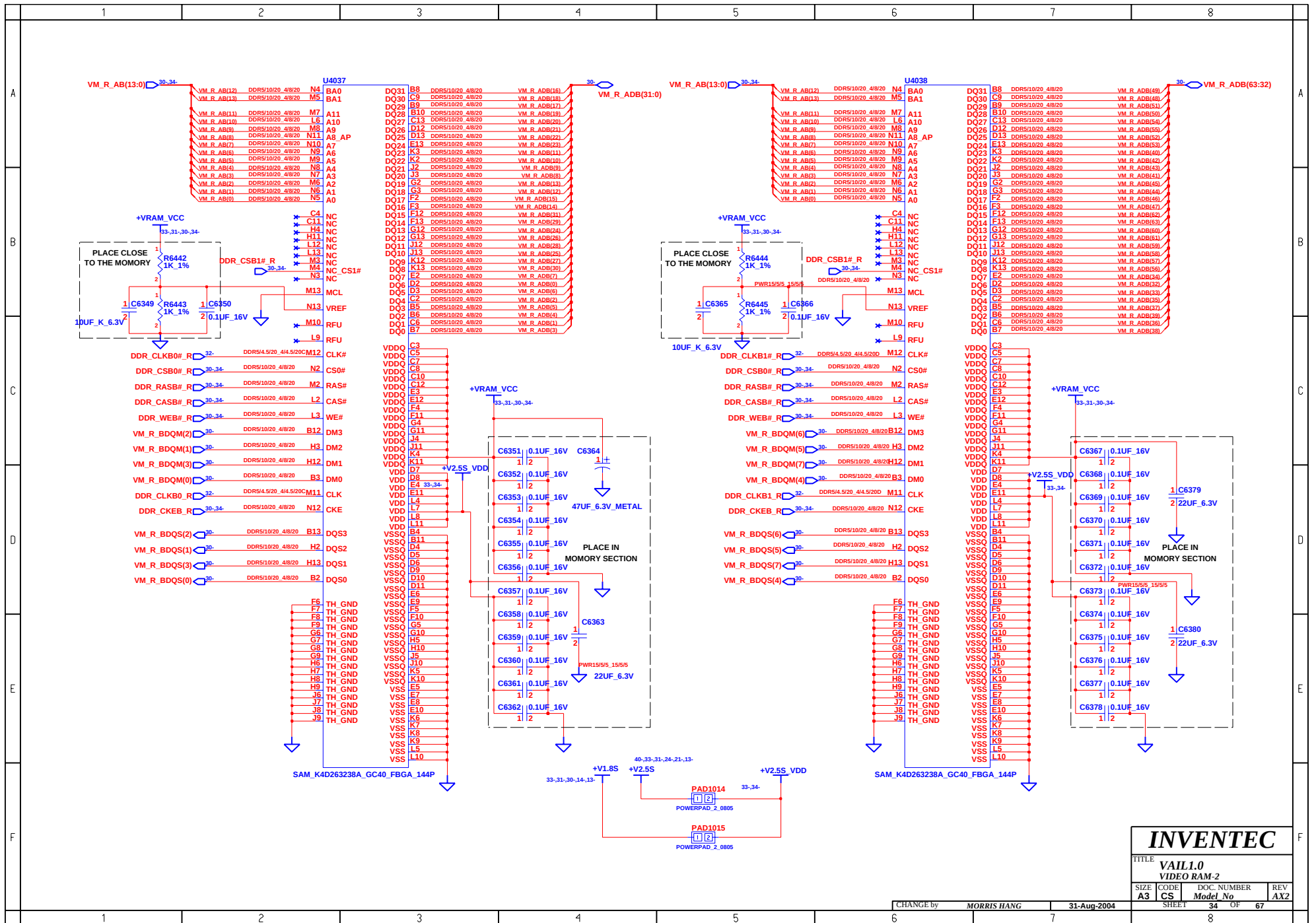


INVENTEC

TITLE			
VAIL1.0			
VGA DAMPING RESISTOR			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AX2

CHANGE by MORRIS HANG 27-Sep-2003

SHEET 32 OF 67



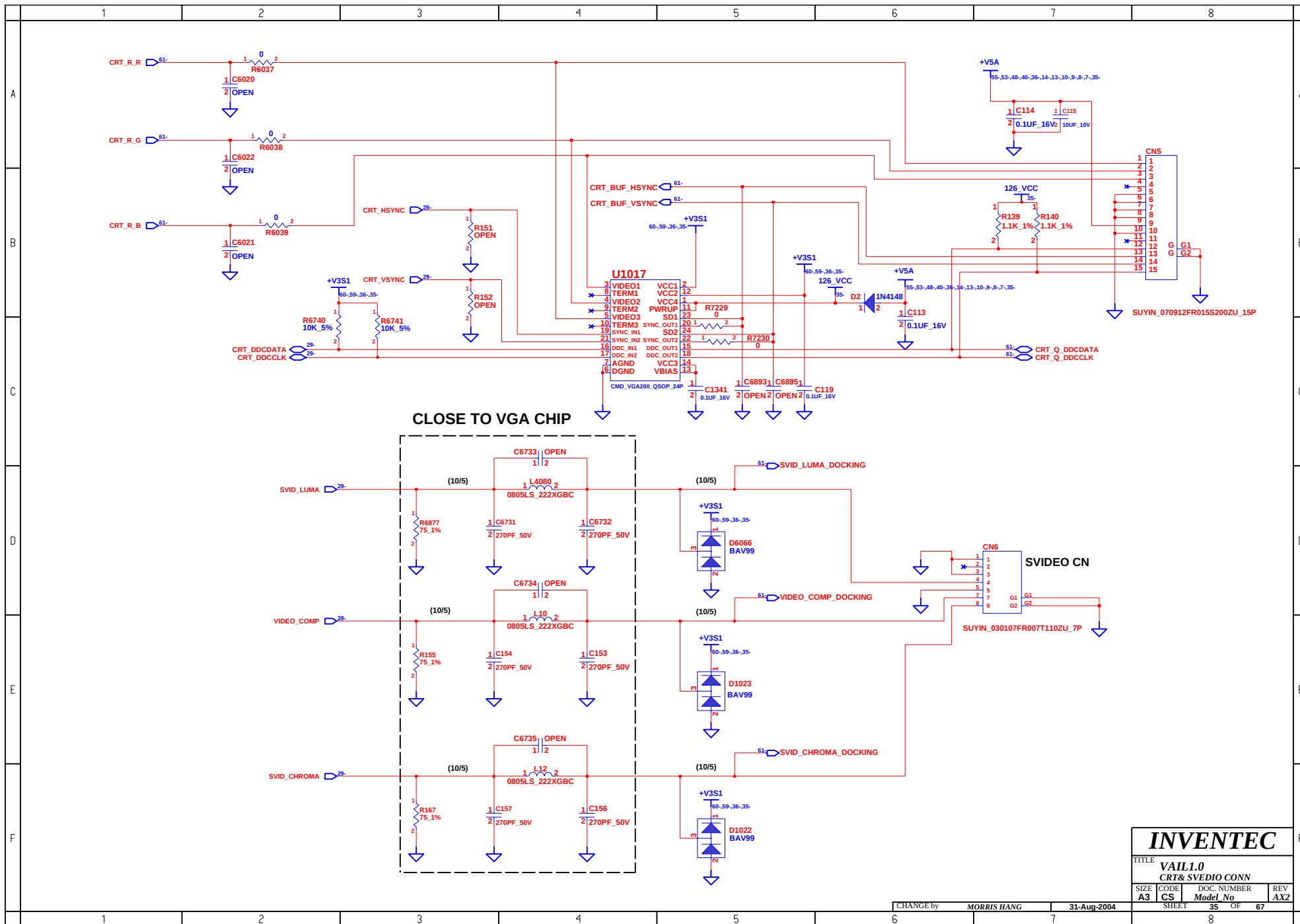
INVENTEC

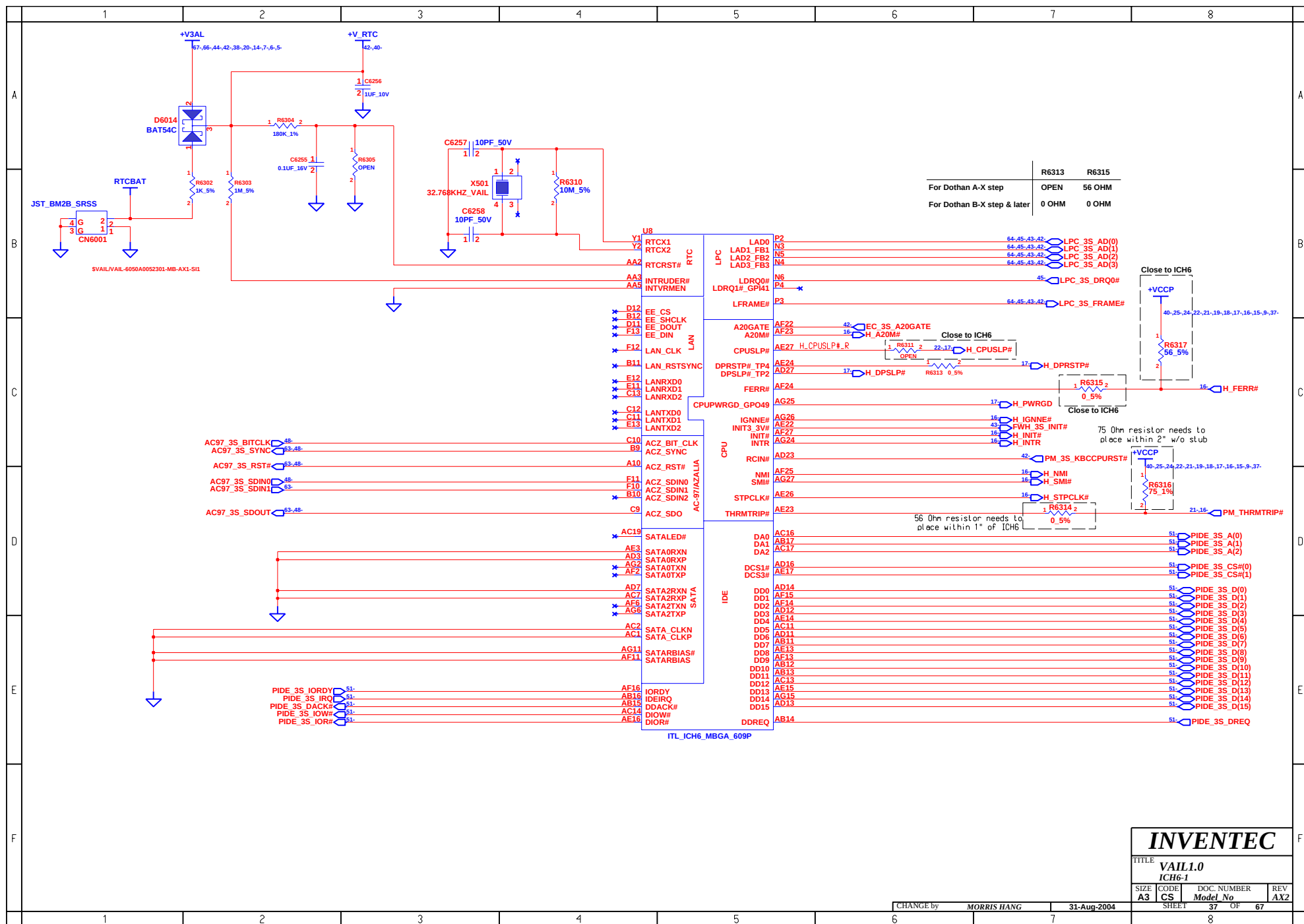
TITLE
VAIL1.0
VIDEO RAM-2

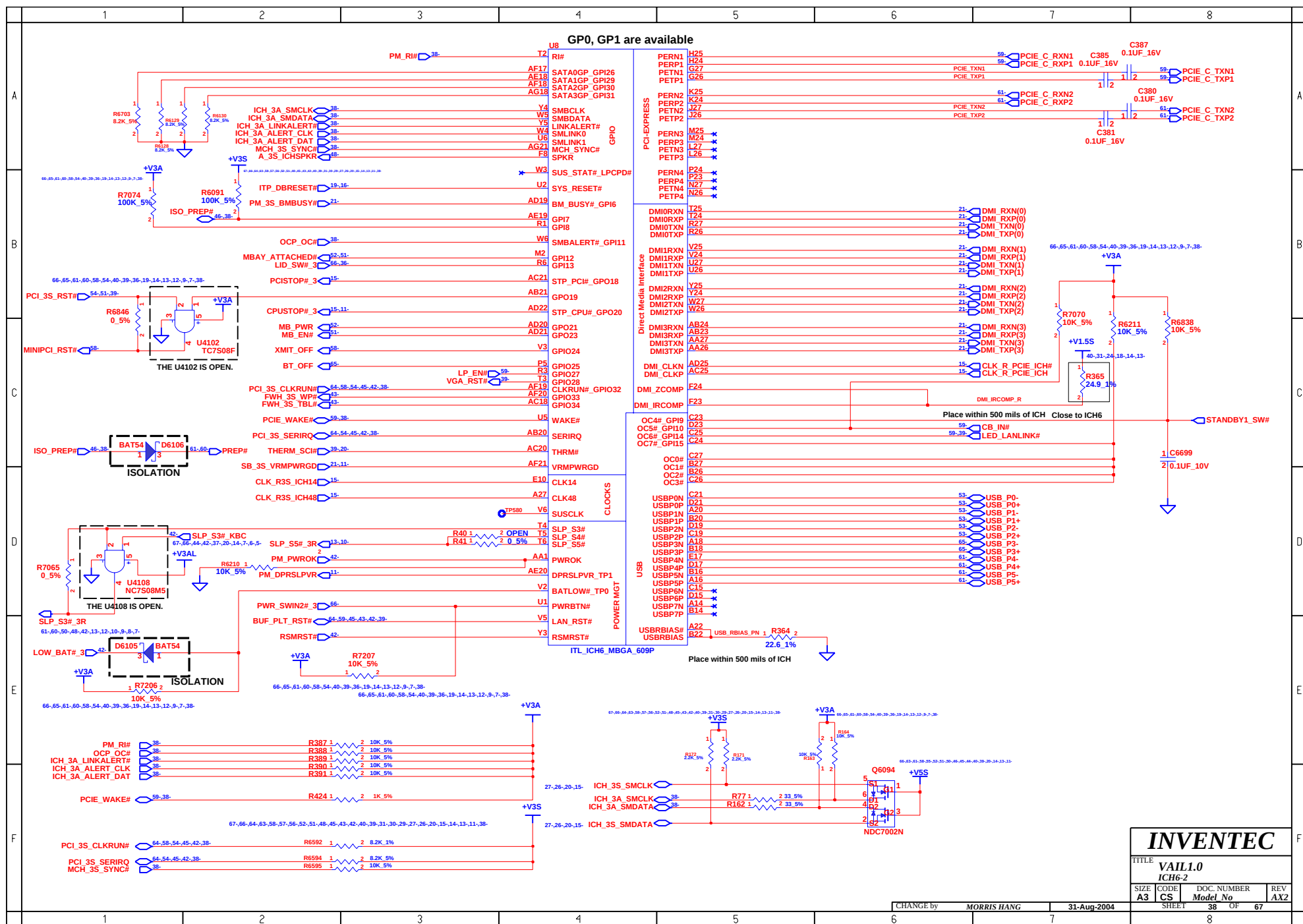
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AX2

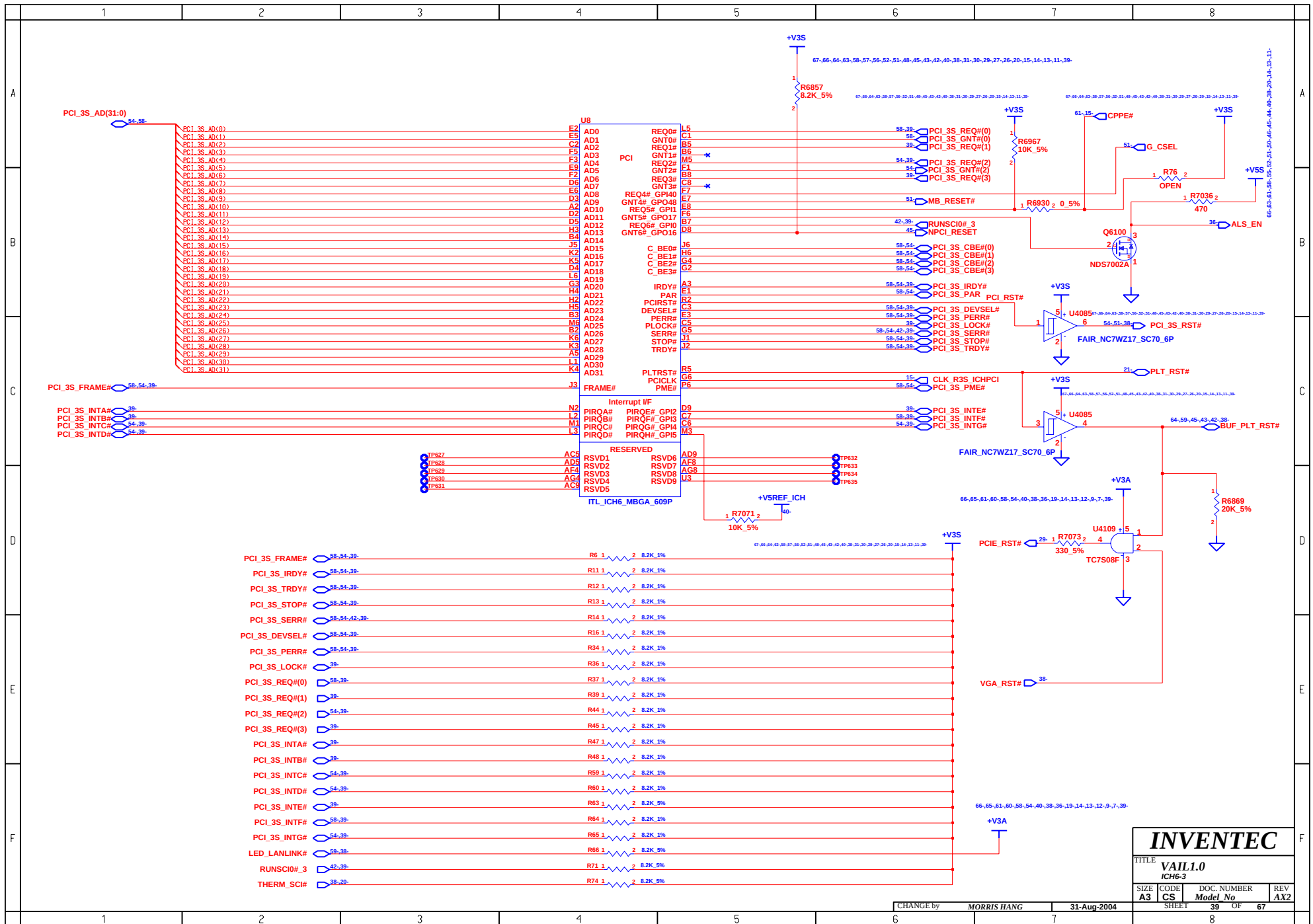
CHANGE by MORRIS HANG 31-Aug-2004

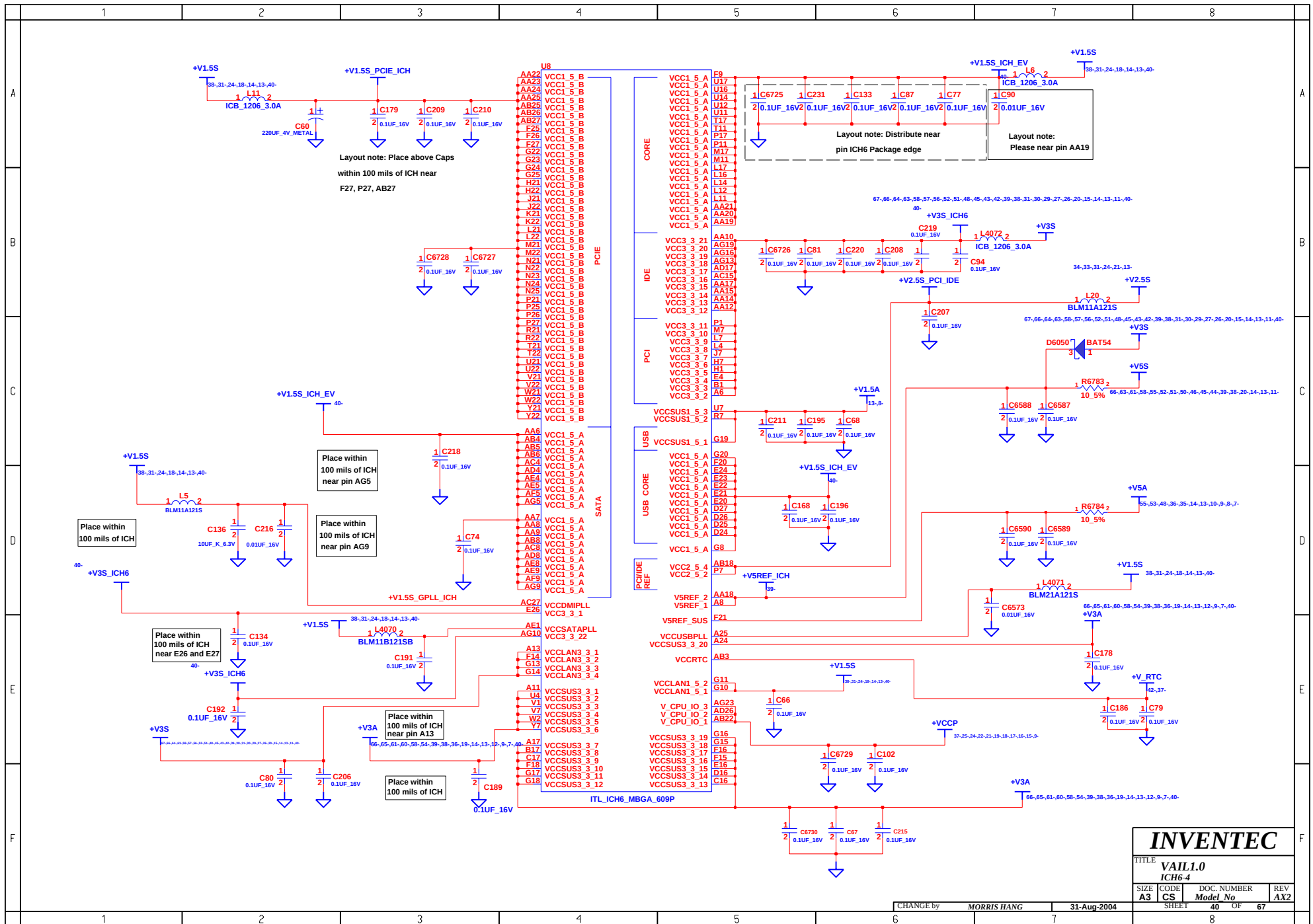
SHEET 34 OF 67











INVENTEC

TITLE VAIL1.0 ICH6-4			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV AX2
SHEET 40		OF 67	

CHANGE by MORRIS HANG 31-Aug-2004

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

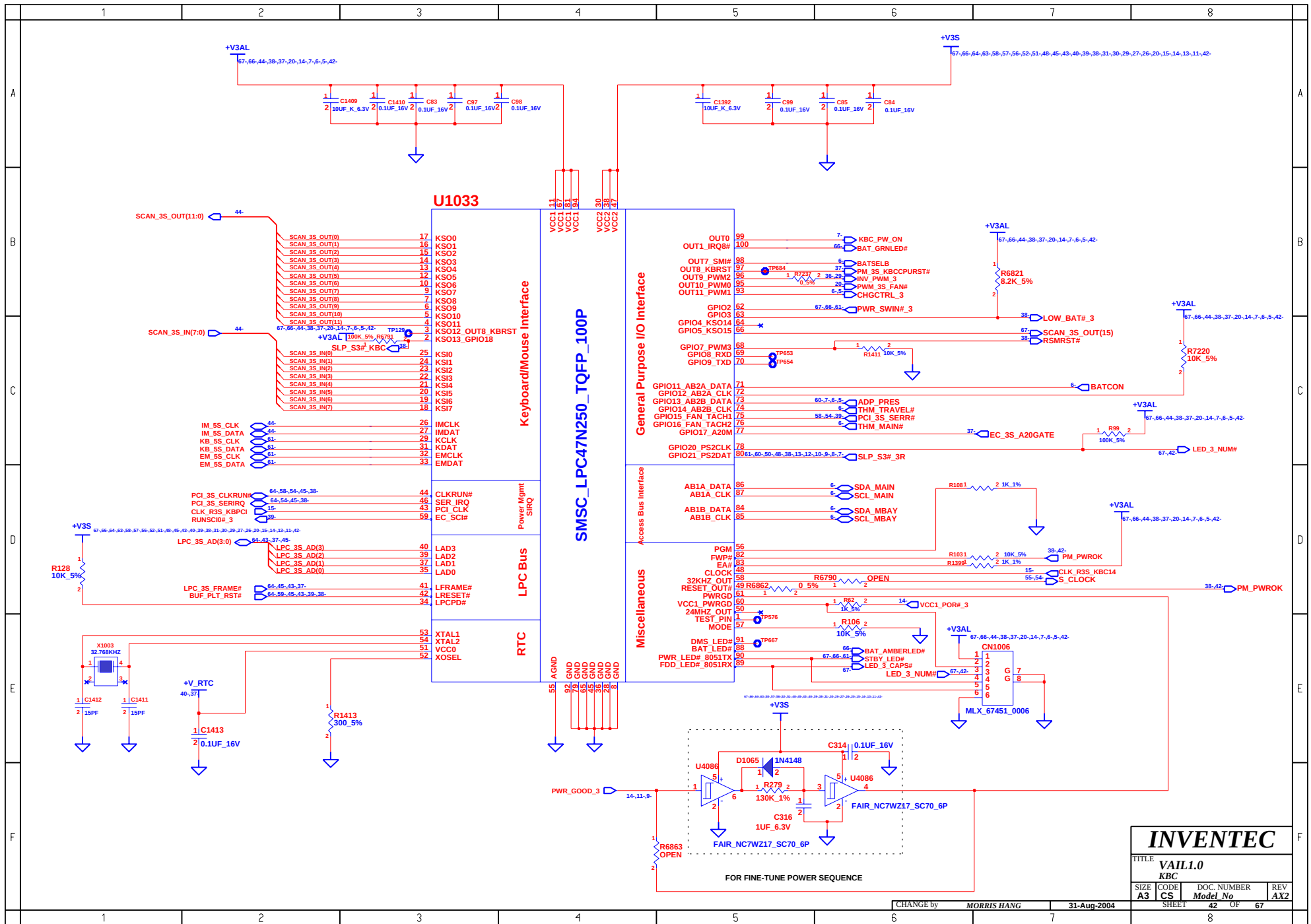
U8

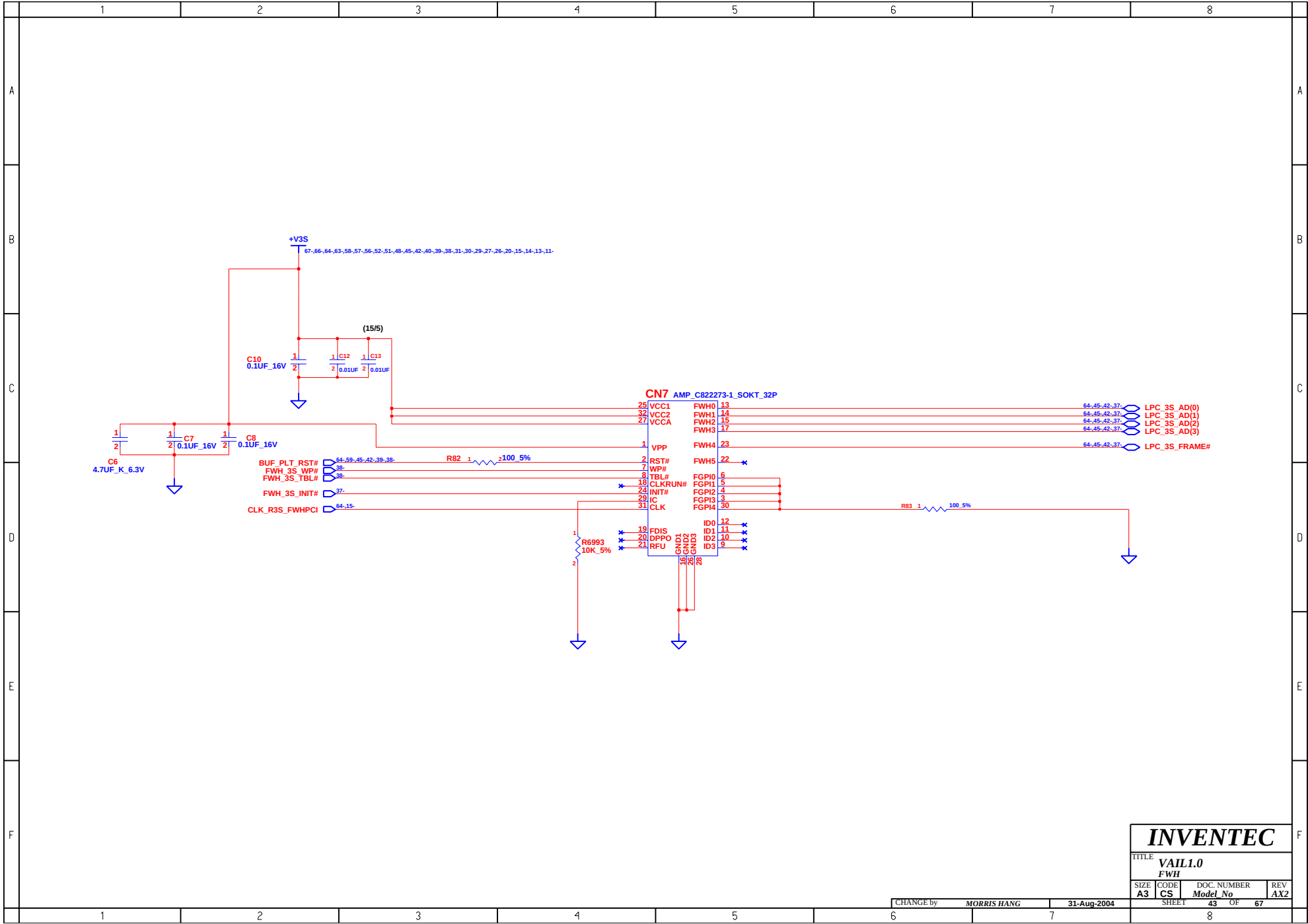
E27 VSS172 VSS86 F4
Y6 VSS171 VSS85 F22
Y27 VSS170 VSS84 F19
Y26 VSS169 VSS83 F17
Y23 VSS168 VSS82 E25
W7 VSS167 VSS81 E19
W25 VSS166 VSS80 E18
W24 VSS165 VSS79 E15
W23 VSS164 VSS78 E14
W4 VSS163 VSS77 D22
V27 VSS162 VSS76 D20
V26 VSS161 VSS75 D18
V23 VSS160 VSS74 D14
U25 VSS159 VSS73 D13
U24 VSS158 VSS72 D10
U23 VSS157 VSS71 D1
U15 VSS156 VSS70 C4
U13 VSS155 VSS69 C22
T7 VSS154 VSS68 C20
T27 VSS153 VSS67 C18
T26 VSS152 VSS66 C14
T23 VSS151 VSS65 B25
T16 VSS149 VSS63 B24
T14 VSS148 VSS62 B23
T13 VSS147 VSS61 B19
T12 VSS146 VSS60 B15
T1 VSS145 VSS59 B13
R4 VSS144 VSS58 AG7
R25 VSS143 VSS57 AG3
R24 VSS142 VSS56 AG22
R23 VSS141 VSS55 AG20
R17 VSS140 VSS54 AG17
R16 VSS139 VSS53 AG14
R15 VSS138 VSS52 AG12
R14 VSS137 VSS51 AG1
R13 VSS136 VSS50 AF7
R12 VSS135 VSS49 AF3
R11 VSS134 VSS48 AF26
P22 VSS133 VSS47 AF12
P16 VSS132 VSS46 AF10
P15 VSS131 VSS45 AF1
P14 VSS129 VSS43 AE7
P13 VSS128 VSS42 AE6
P12 VSS127 VSS41 AE25
N7 VSS126 VSS40 AE21
N17 VSS125 VSS39 AE12
N16 VSS124 VSS38 AE11
N15 VSS123 VSS37 AE10
N14 VSS122 VSS36 AD6
N13 VSS121 VSS35 AD24
N12 VSS120 VSS34 AD2
N11 VSS119 VSS33 AD18
N1 VSS118 VSS32 AD15
M4 VSS117 VSS31 AD10
M27 VSS116 VSS30 AD1
M26 VSS115 VSS29 AC6
M23 VSS114 VSS28 AC3
M16 VSS113 VSS27 AC26
M15 VSS112 VSS26 AC24
M14 VSS111 VSS25 AC23
M13 VSS110 VSS24 AC22
M12 VSS109 VSS23 AC15
L25 VSS108 VSS22 AC10
L24 VSS107 VSS21 AB7
L23 VSS106 VSS20 AB9
L15 VSS105 VSS19 AB2
L13 VSS104 VSS18 AB19
K7 VSS103 VSS17 AB10
K27 VSS102 VSS16 AB1
K26 VSS101 VSS15 AA4
K23 VSS100 VSS14 AA16
K1 VSS99 VSS13 AA13
J4 VSS98 VSS12 AA11
J25 VSS97 VSS11 A9
J24 VSS96 VSS10 A7
J23 VSS95 VSS9 A4
H27 VSS94 VSS8 A26
H26 VSS93 VSS7 A23
H23 VSS92 VSS6 A21
G9 VSS91 VSS5 A19
G7 VSS90 VSS4 A15
G21 VSS89 VSS3 A12
G12 VSS88 VSS2 A1
G1 VSS87 VSS1 A1

ITL_ICH6_MBGA_609P

INVENTEC			
TITLE VAIL1.0 ICH6-5			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV AX2
SHEET 41		OF 67	

CHANGE by MORRIS HANG 31-Aug-2004



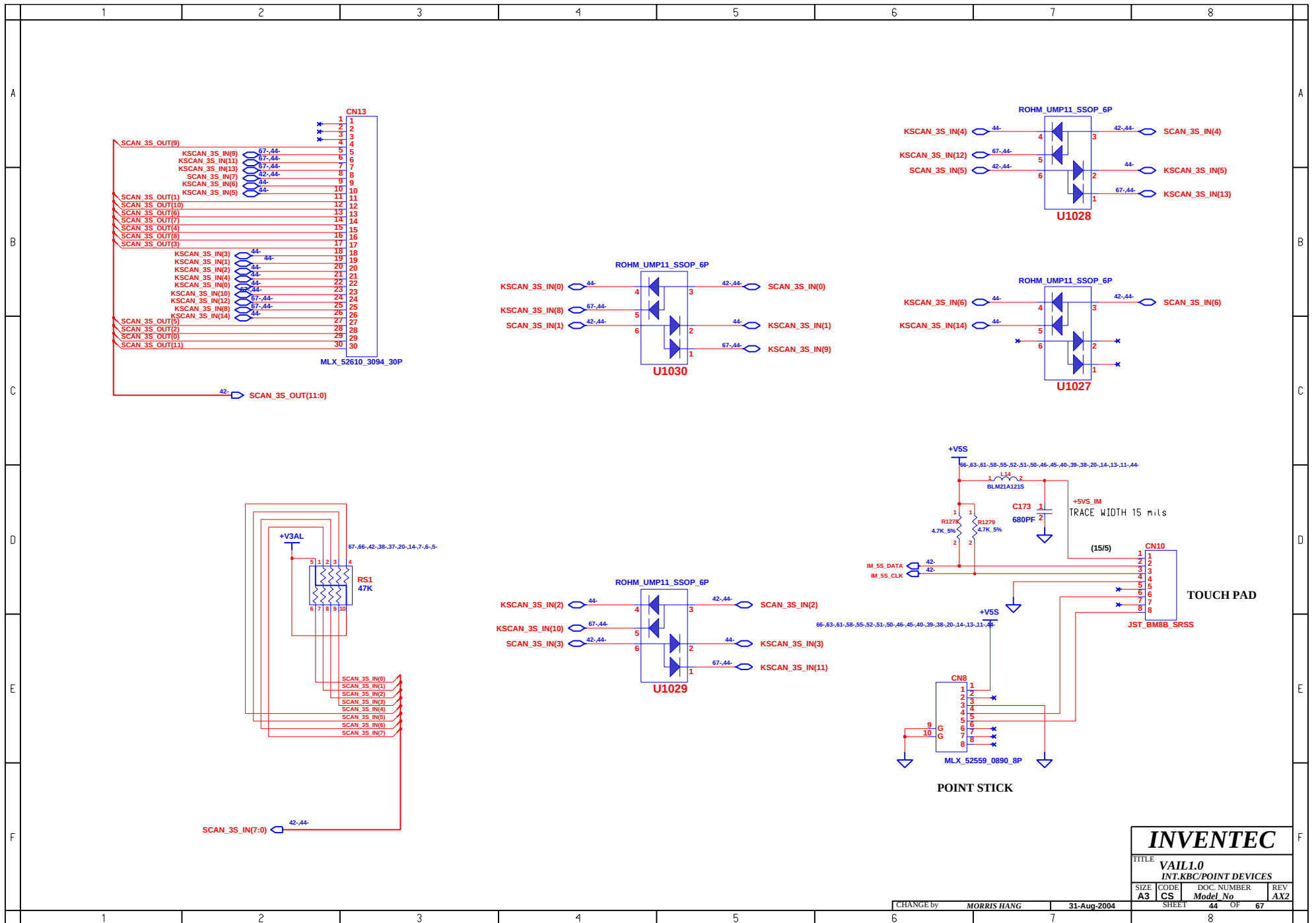


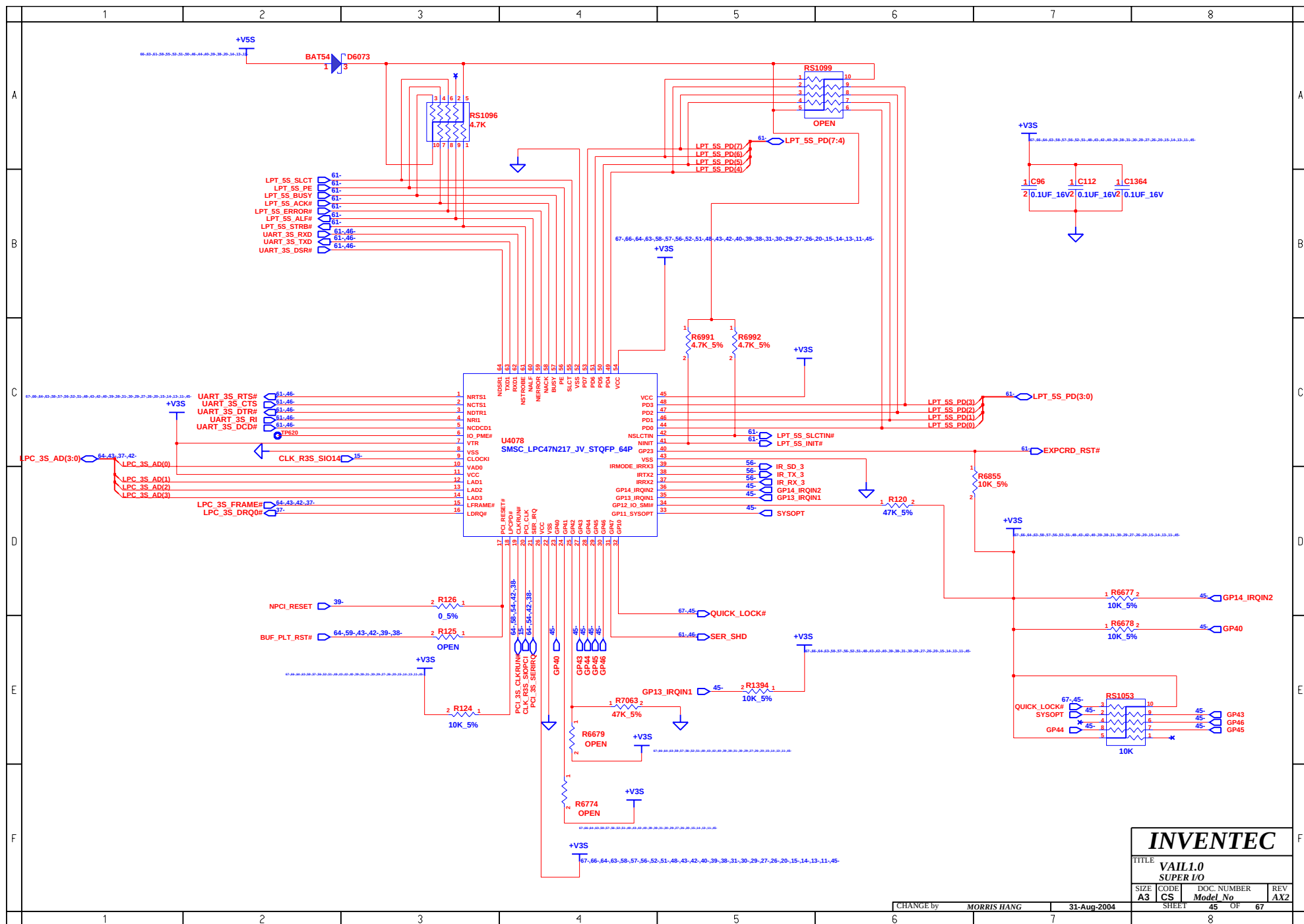
INVENTEC

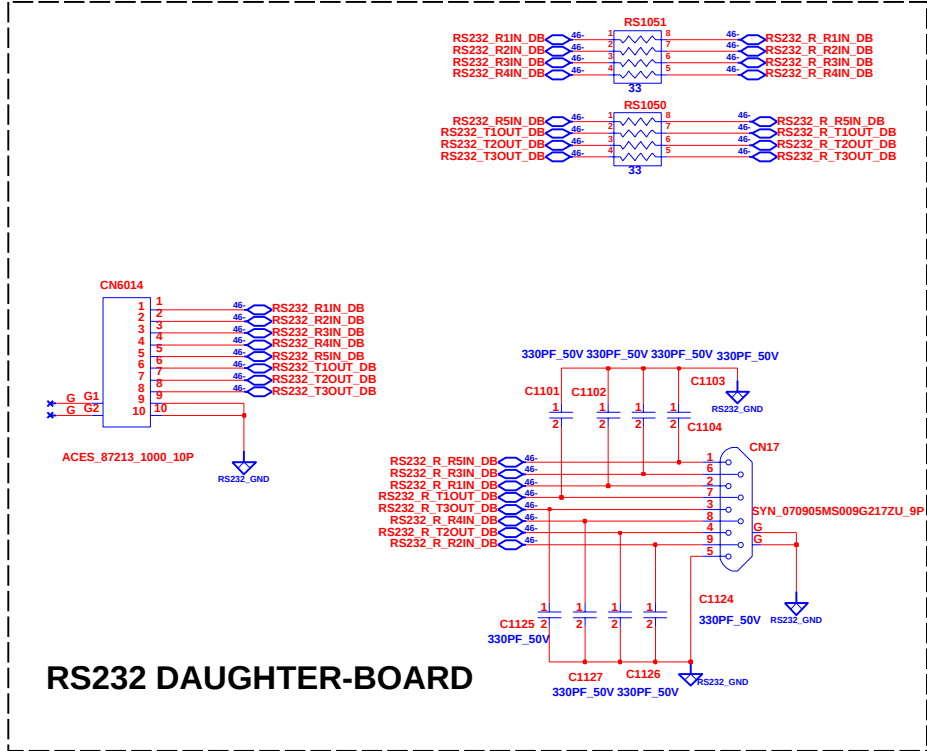
TITLE			
VAIL1.0			
FWH			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AX2

CHANGE by MORRIS HANG 31-Aug-2004

SHEET 43 OF 67



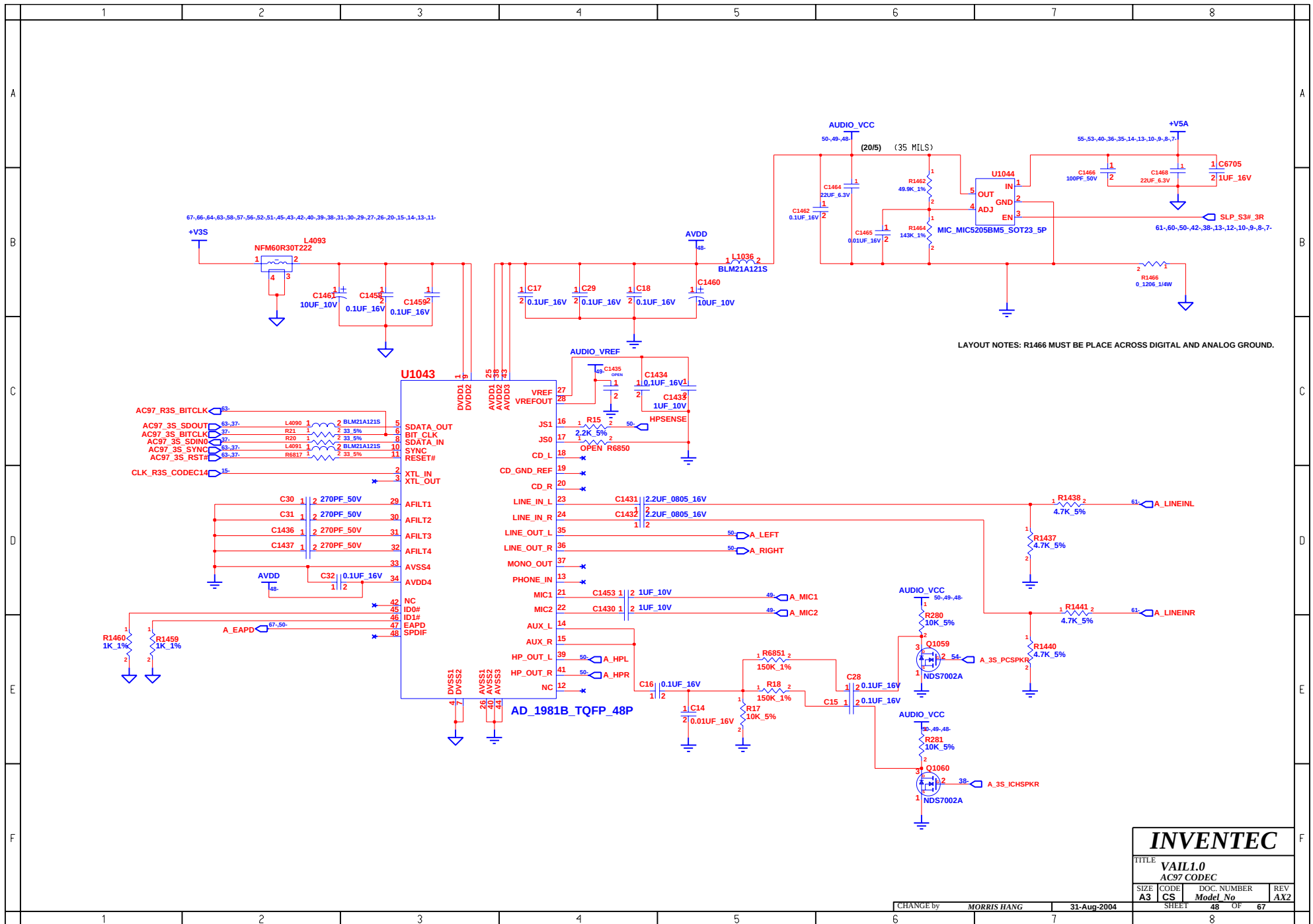




	1	2	3	4	5	6	7	8	
A	BLANK								A
B									B
C									C
D									D
E									E
F									F
	1	2	3	4	5	6	7	8	

INVENTEC			
TITLE VAIL1.0 PARALLER PORT			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV AX2
SHEET		47	OF 67

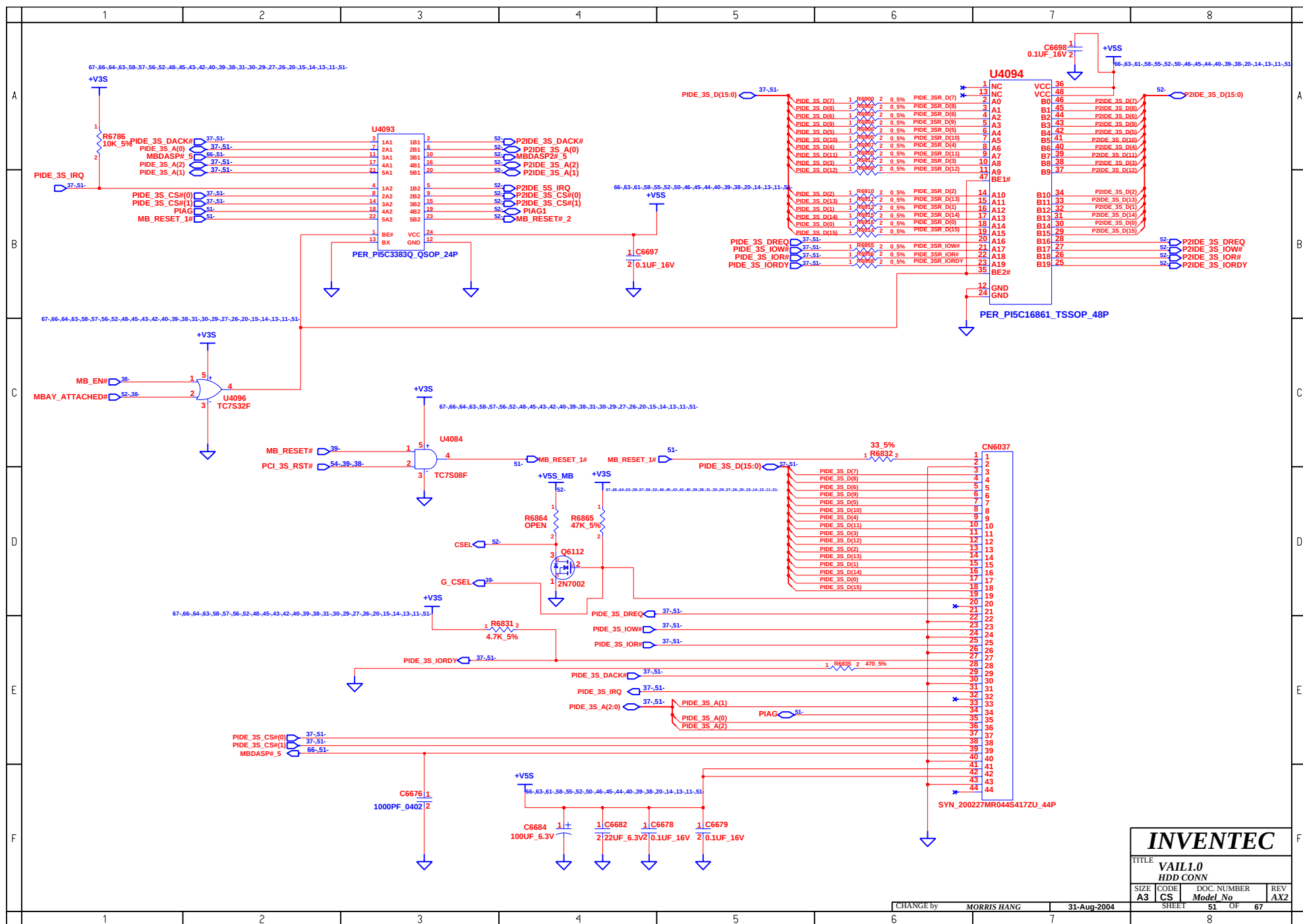
CHANGE by MORRIS HANG 31-Aug-2004



INVENTEC

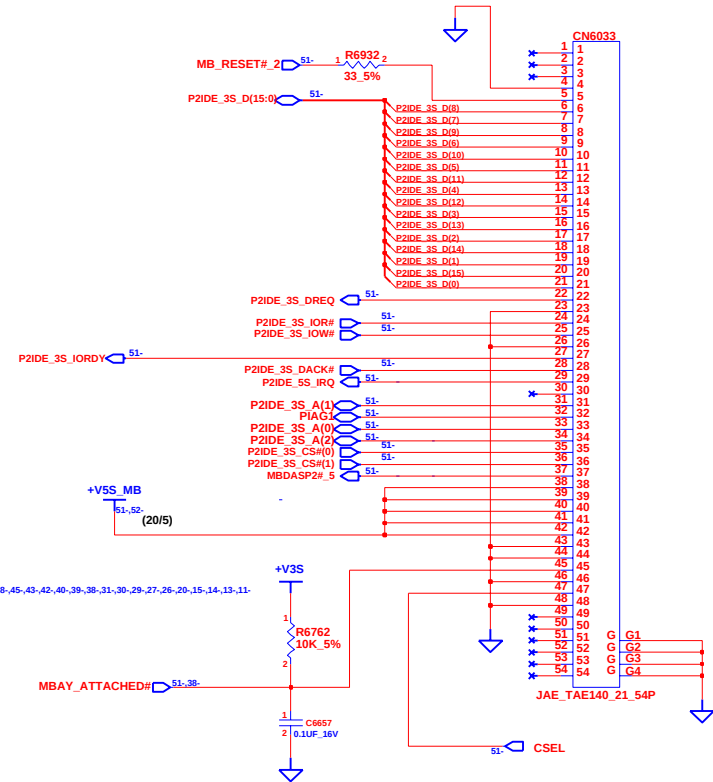
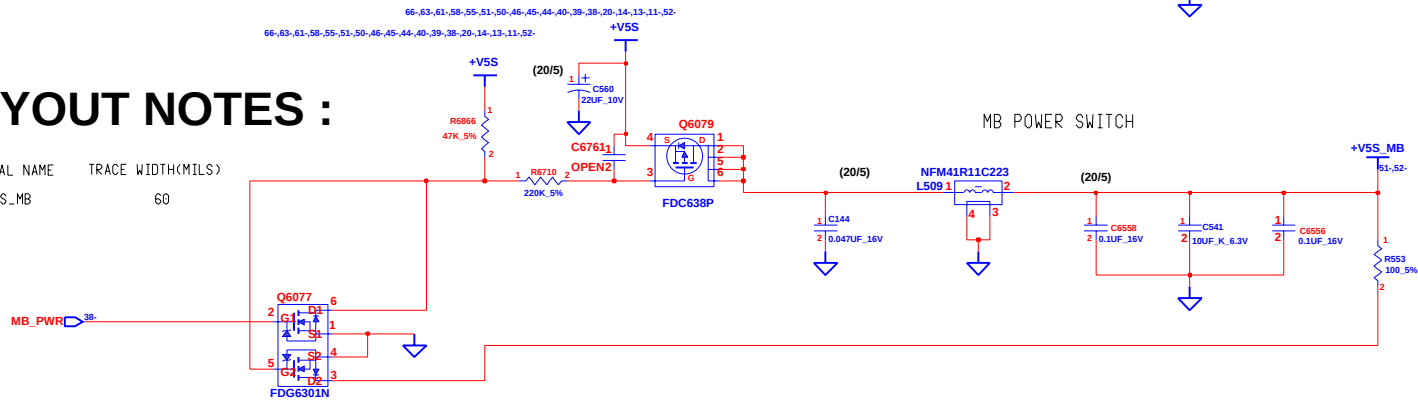
TITLE			
VAIL1.0			
AC97 CODEC			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AX2
SHEET		48	OF 67

CHANGE by MORRIS HANG 31-Aug-2004



LAYOUT NOTES :

SIGNAL NAME TRACE WIDTH(MILS)
+VSS_MB 60

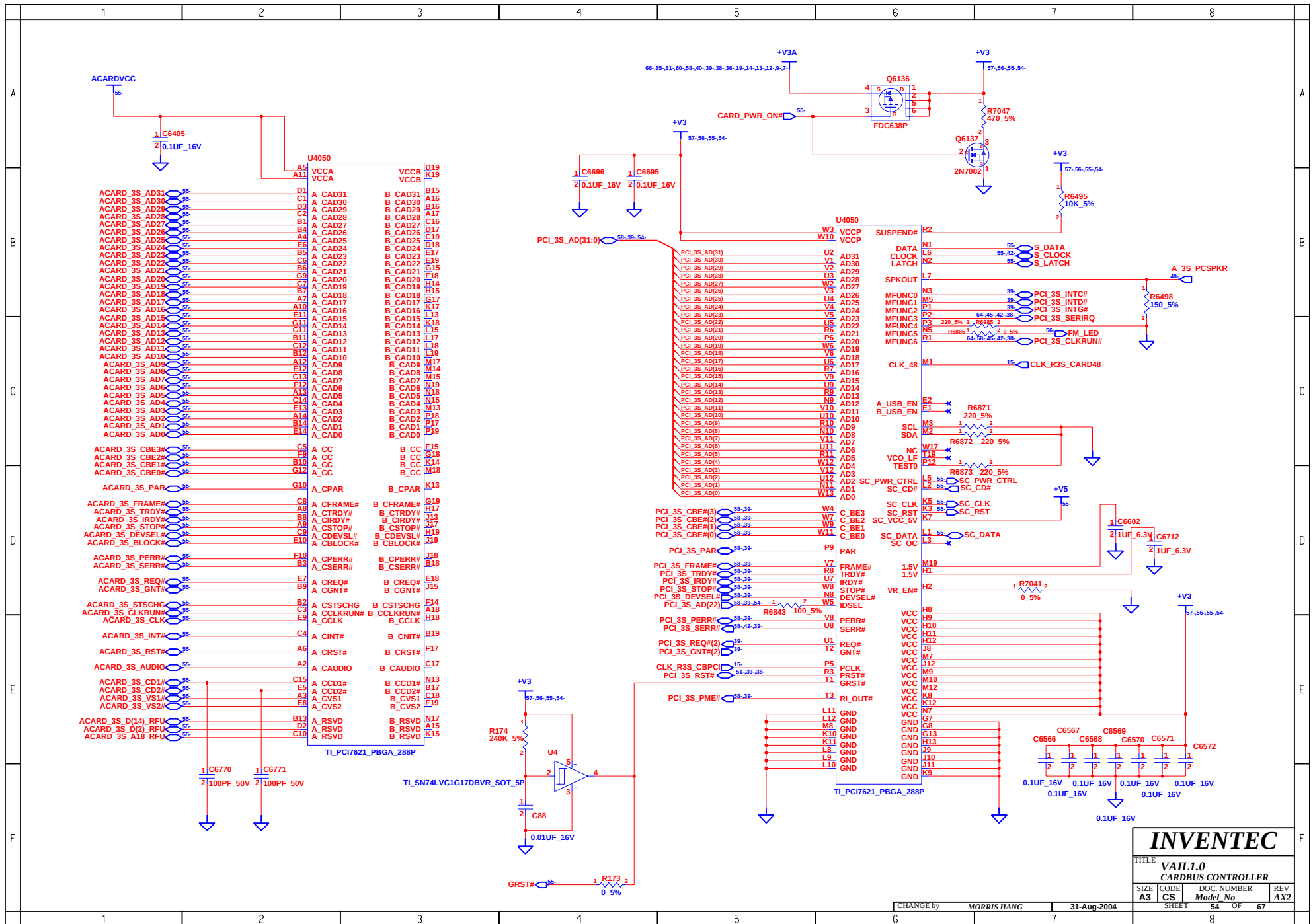


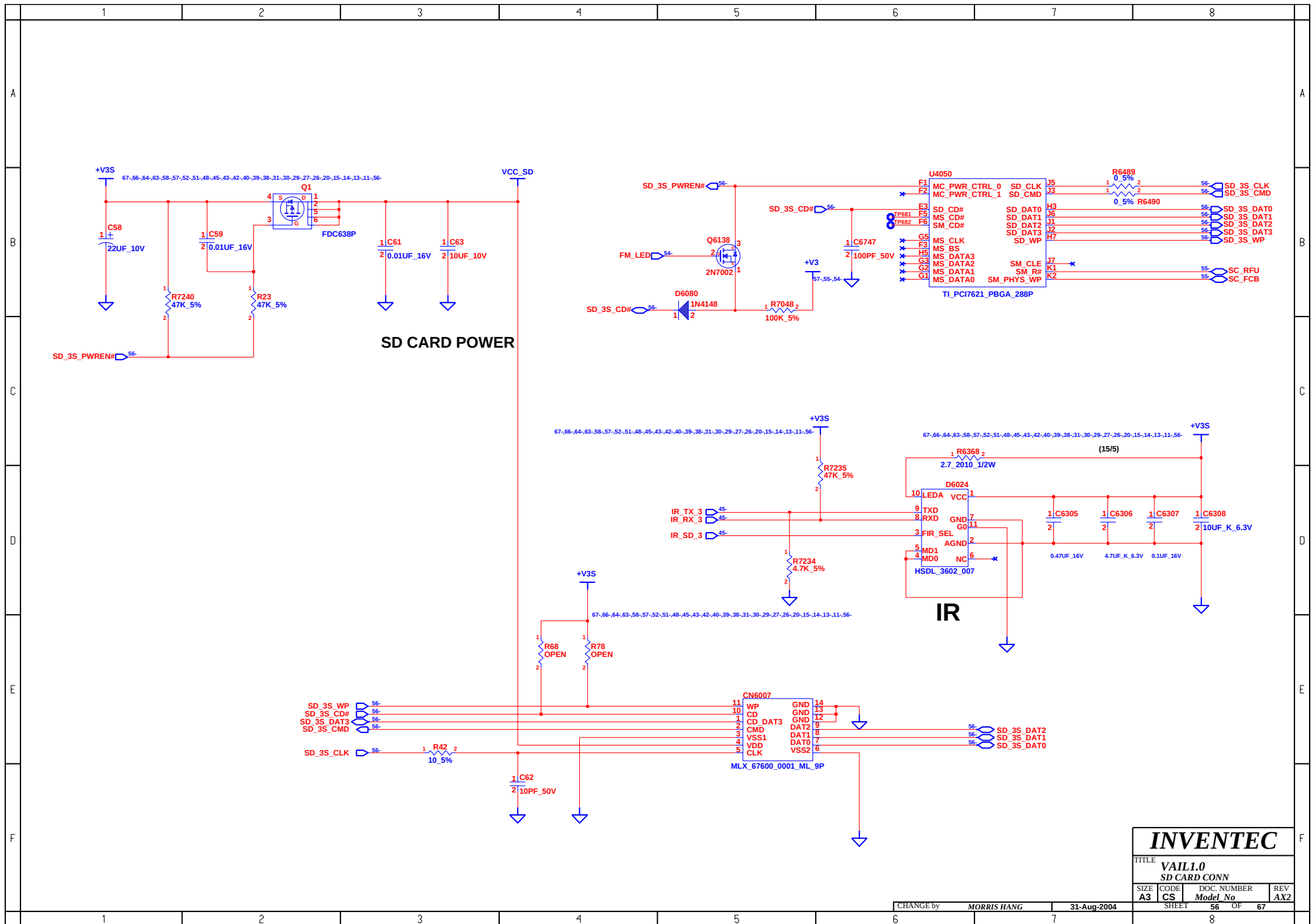
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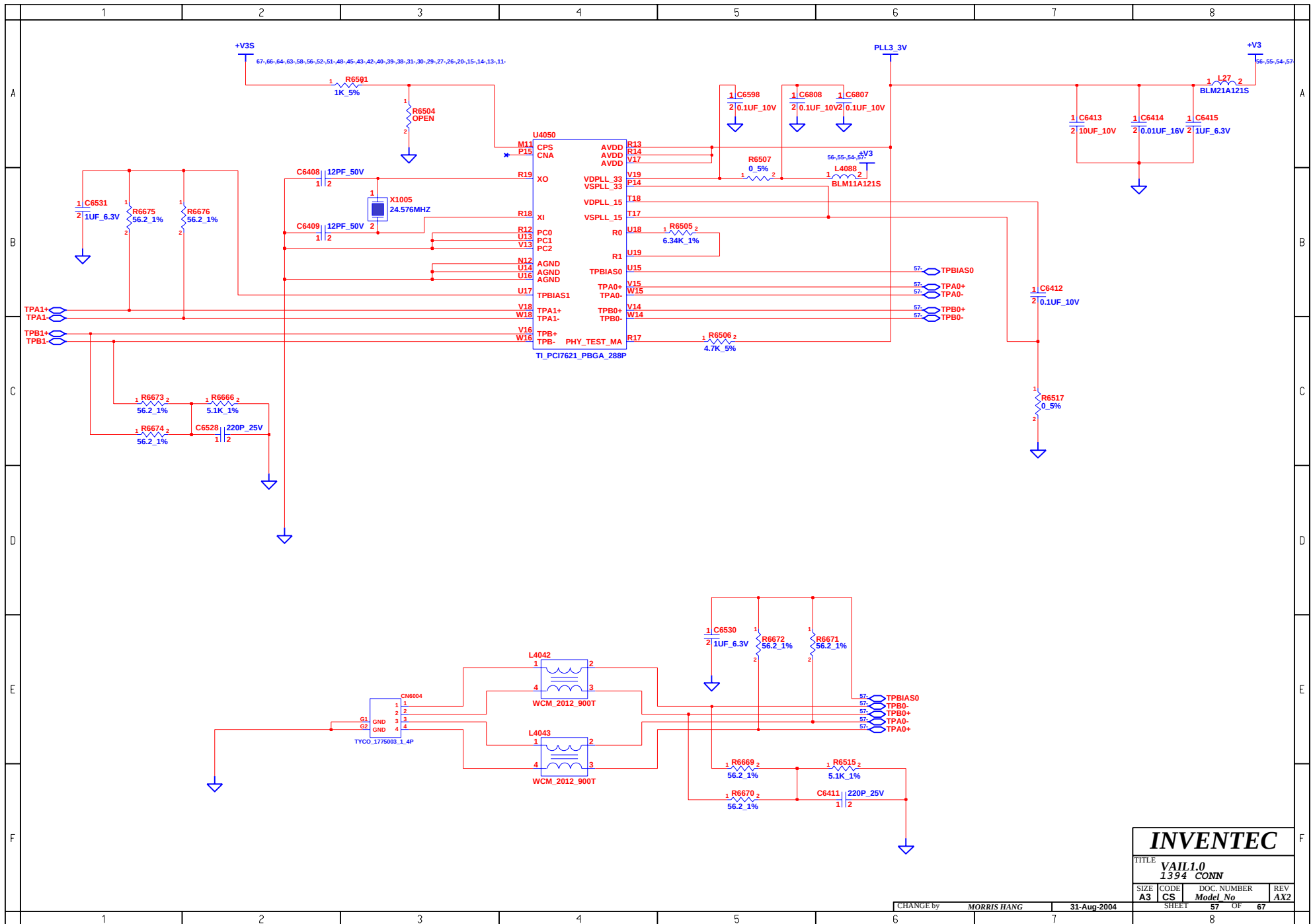
TITLE			
VAIL1.0			
MULTIBAY CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AX2
SHEET		52	OF 67

CHANGE by MORRIS HANG 31-Aug-2004

8



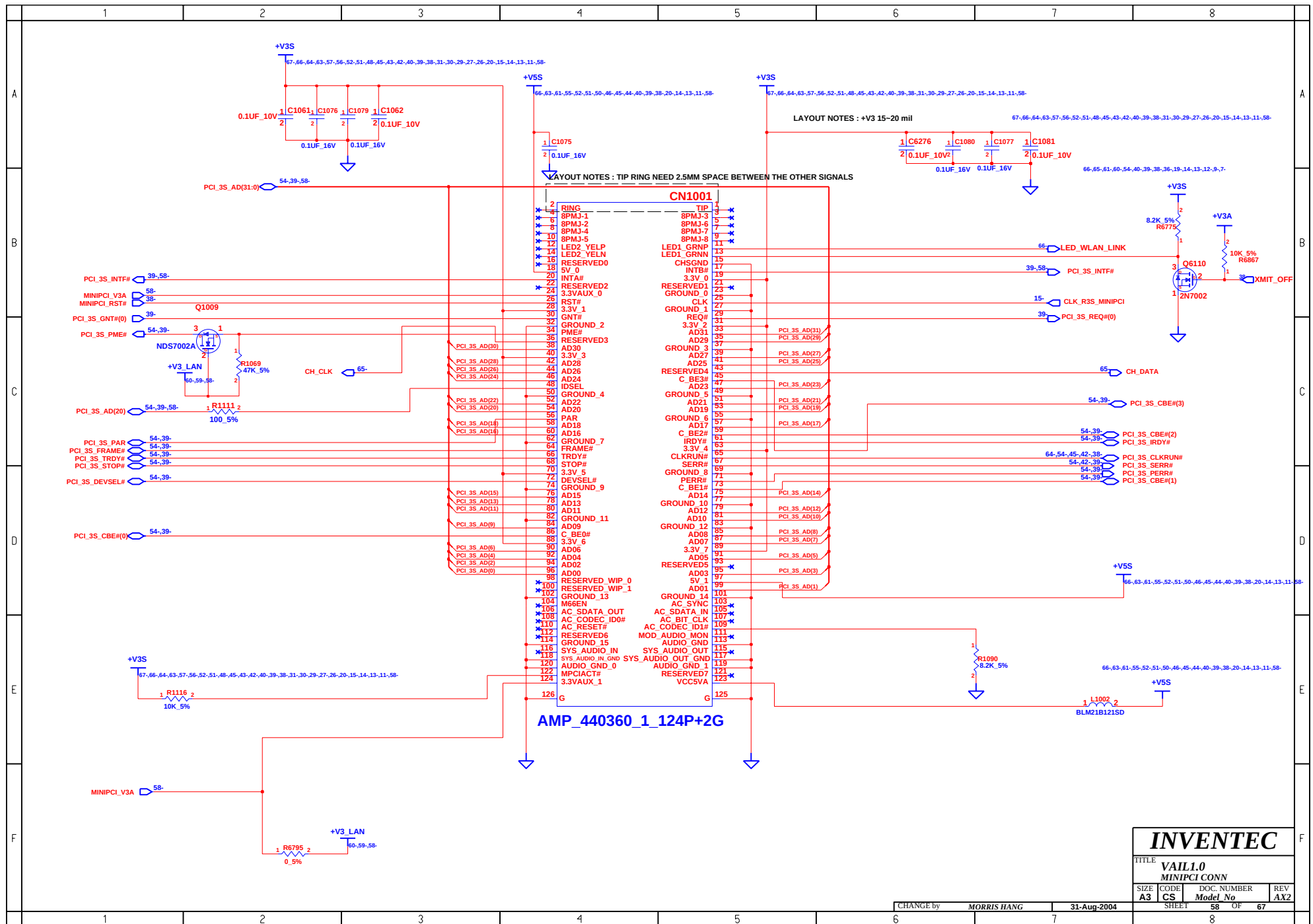


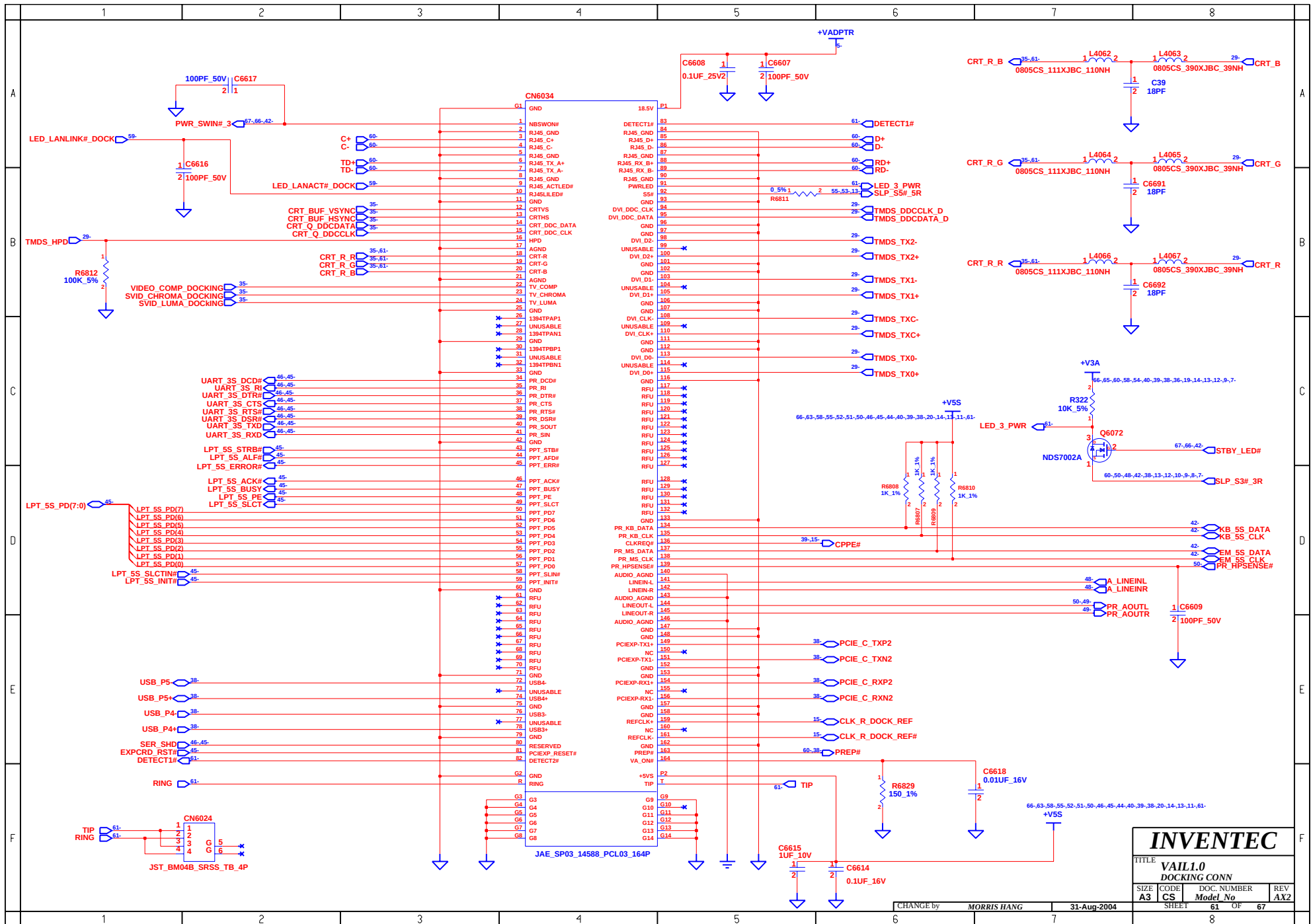


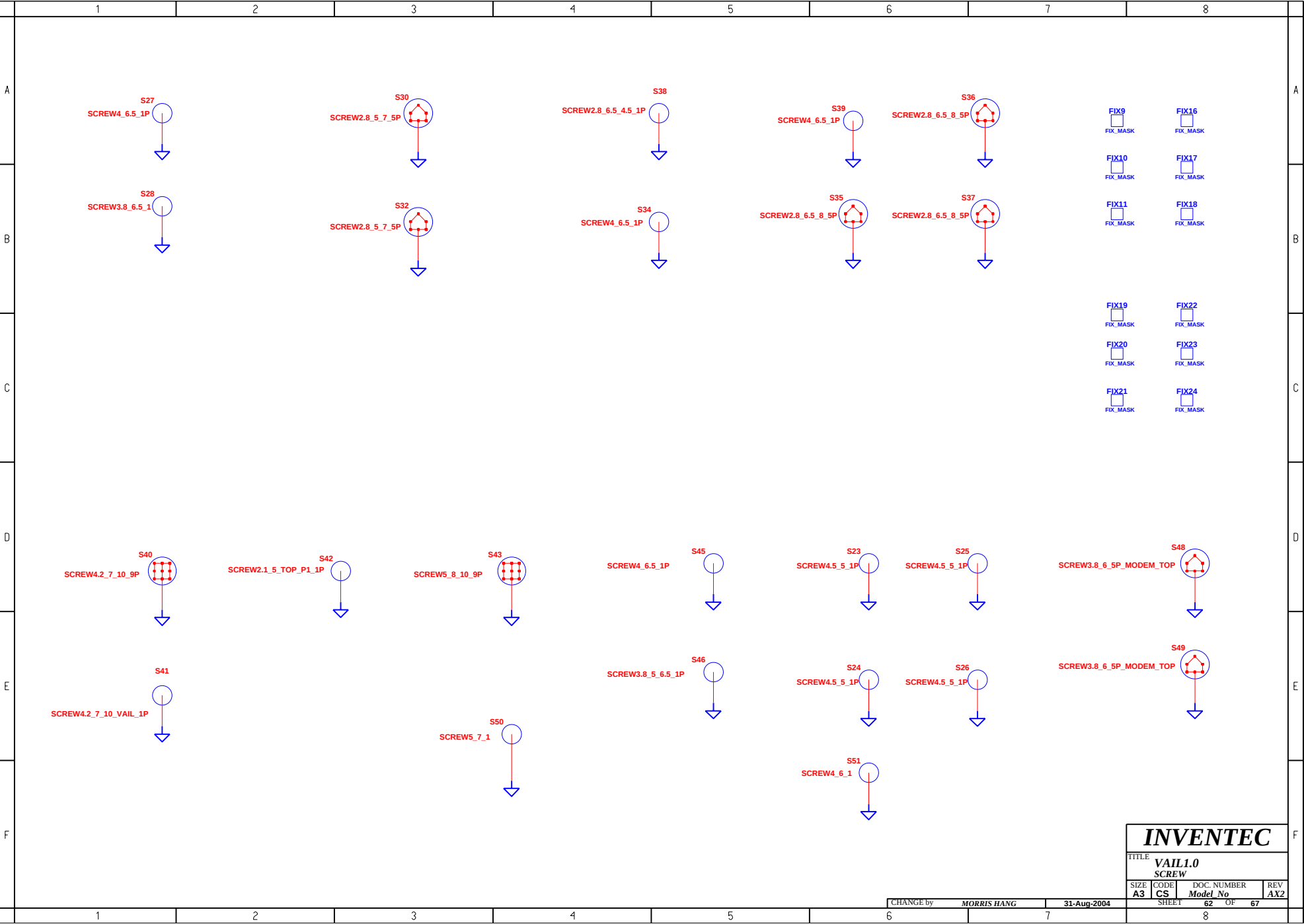
INVENTEC

TITLE			
VAIL1.0			
1394 CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AX2
SHEET		57	OF 67

CHANGE by MORRIS HANG 31-Aug-2004





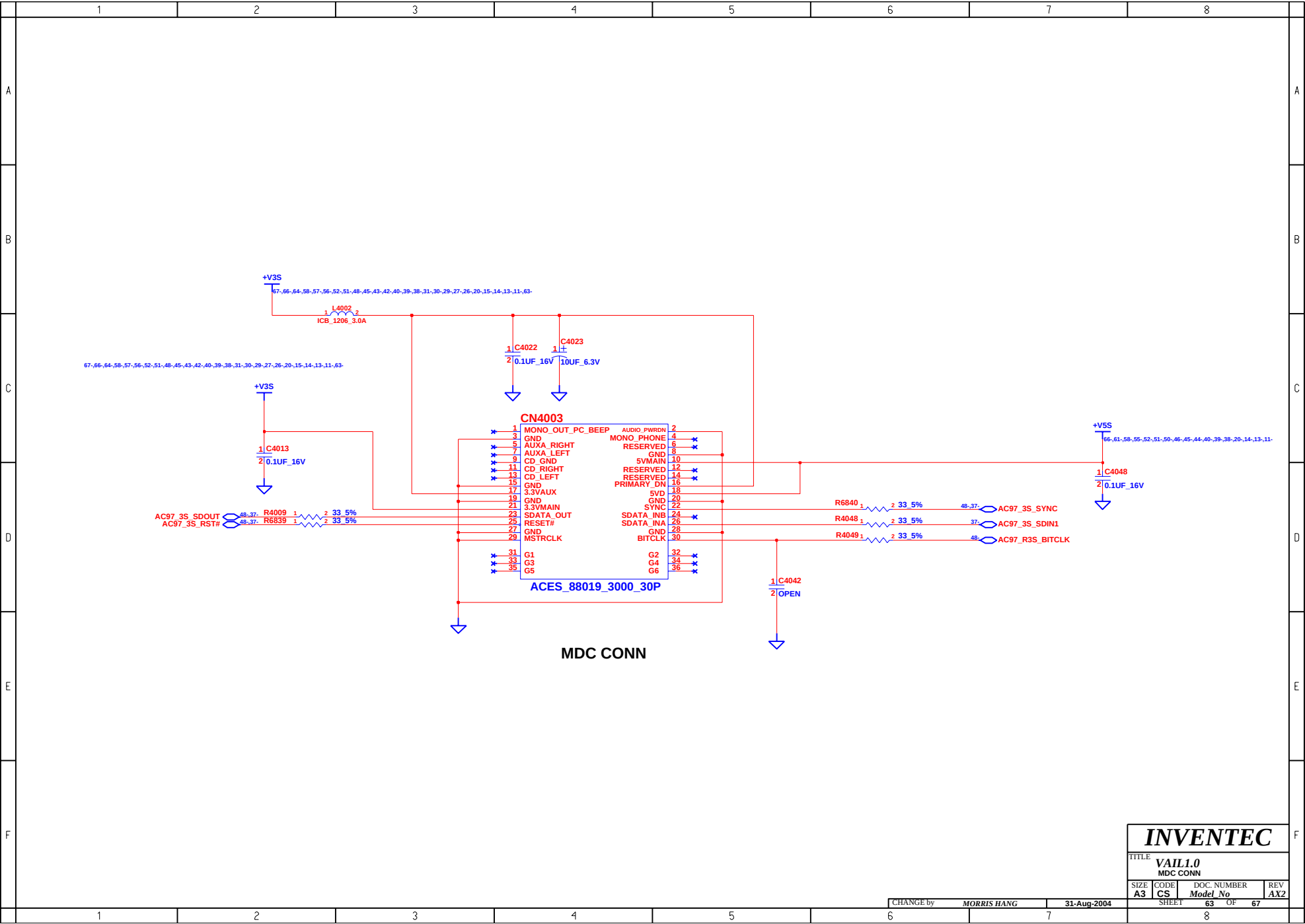


INVENTEC

TITLE			
VAIL1.0			
SCREW			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AX2

CHANGE by MORRIS HANG 31-Aug-2004

SHEET 62 OF 67



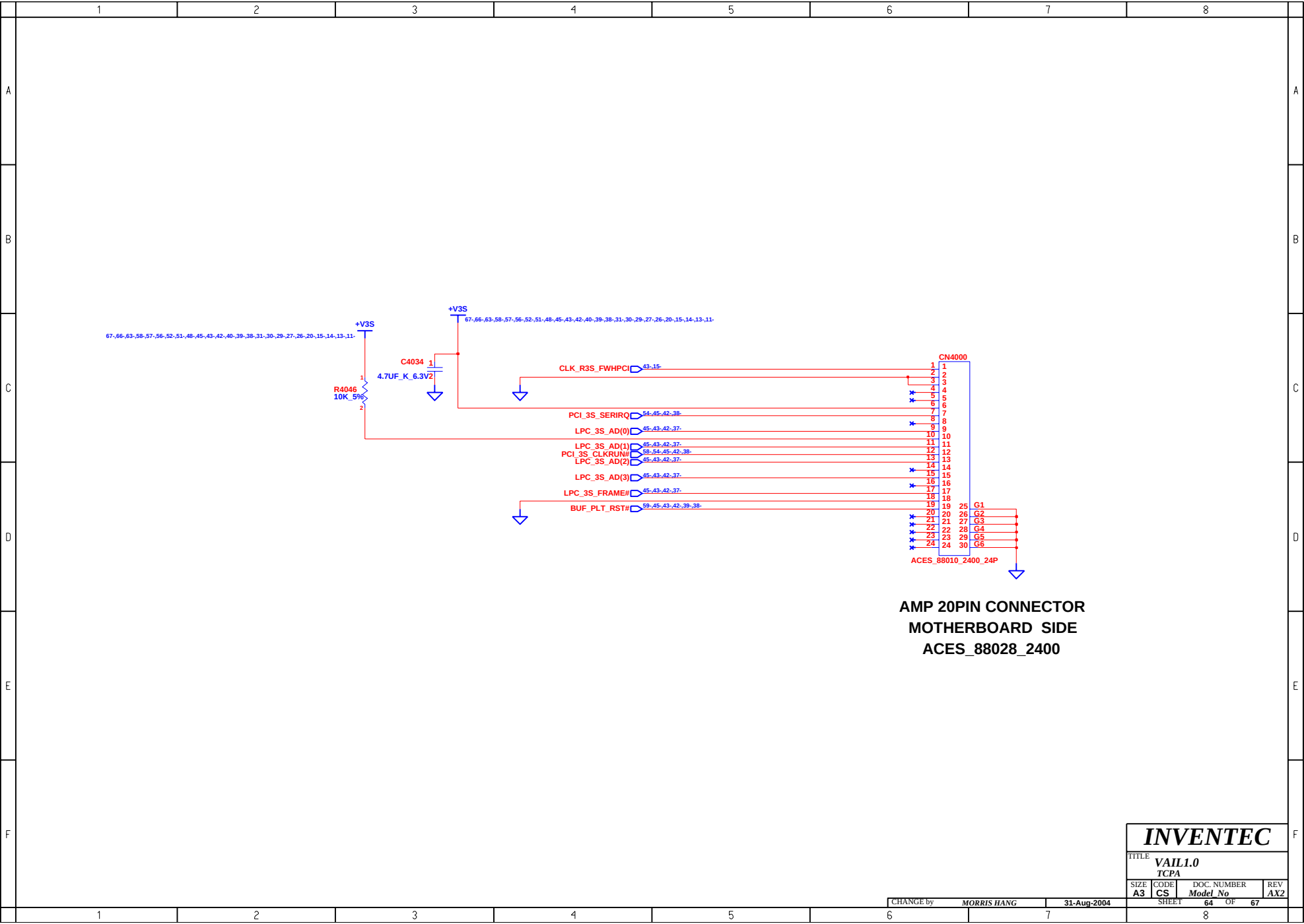
INVENTEC

TITLE
VAIL1.0
MDC CONN

SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AX2

SHEET 63 OF 67

CHANGE by MORRIS HANG 31-Aug-2004

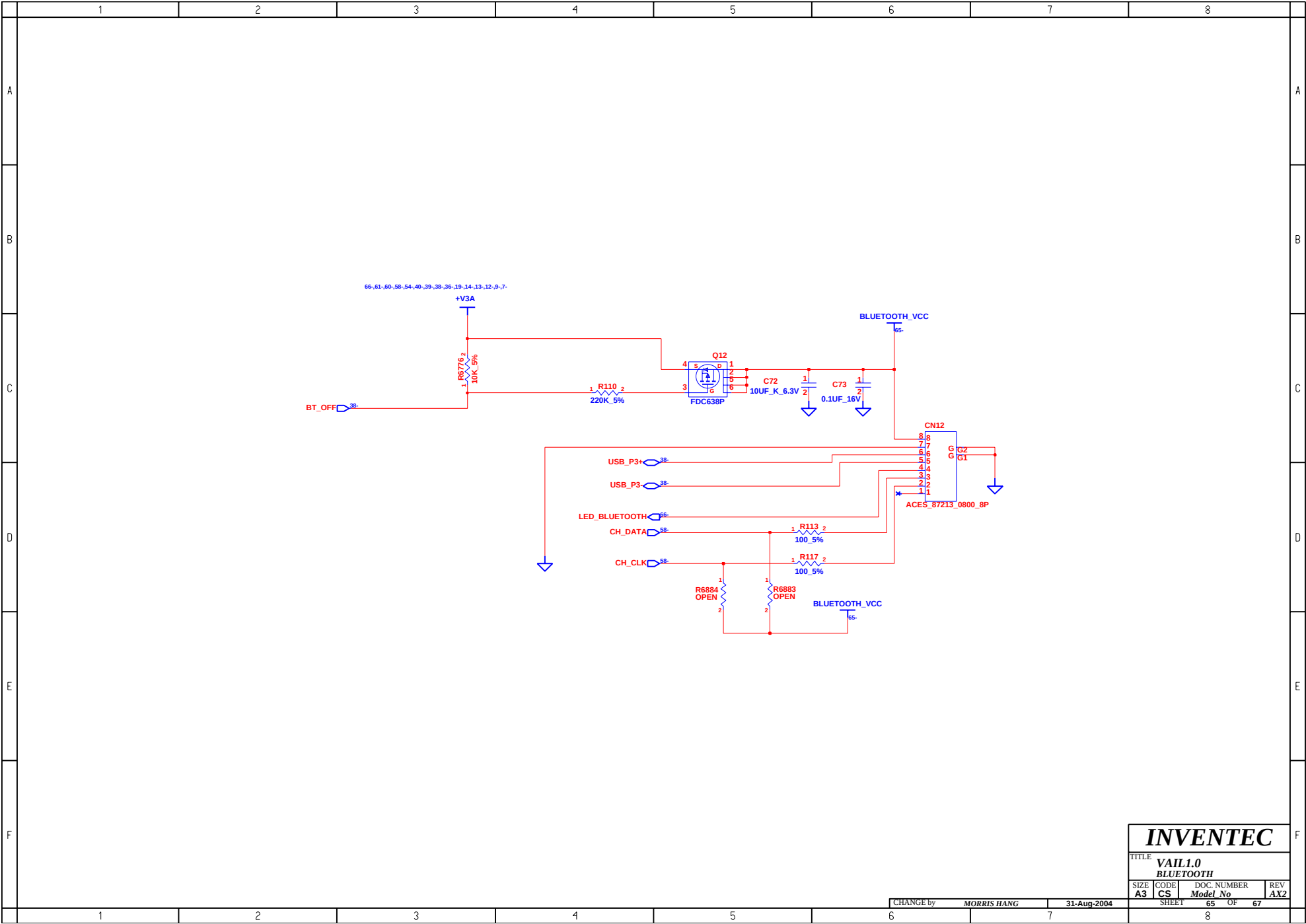


INVENTEC

TITLE			
VAIL1.0			
TCPA			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AX2

CHANGE by MORRIS HANG 31-Aug-2004

SHEET 64 OF 67

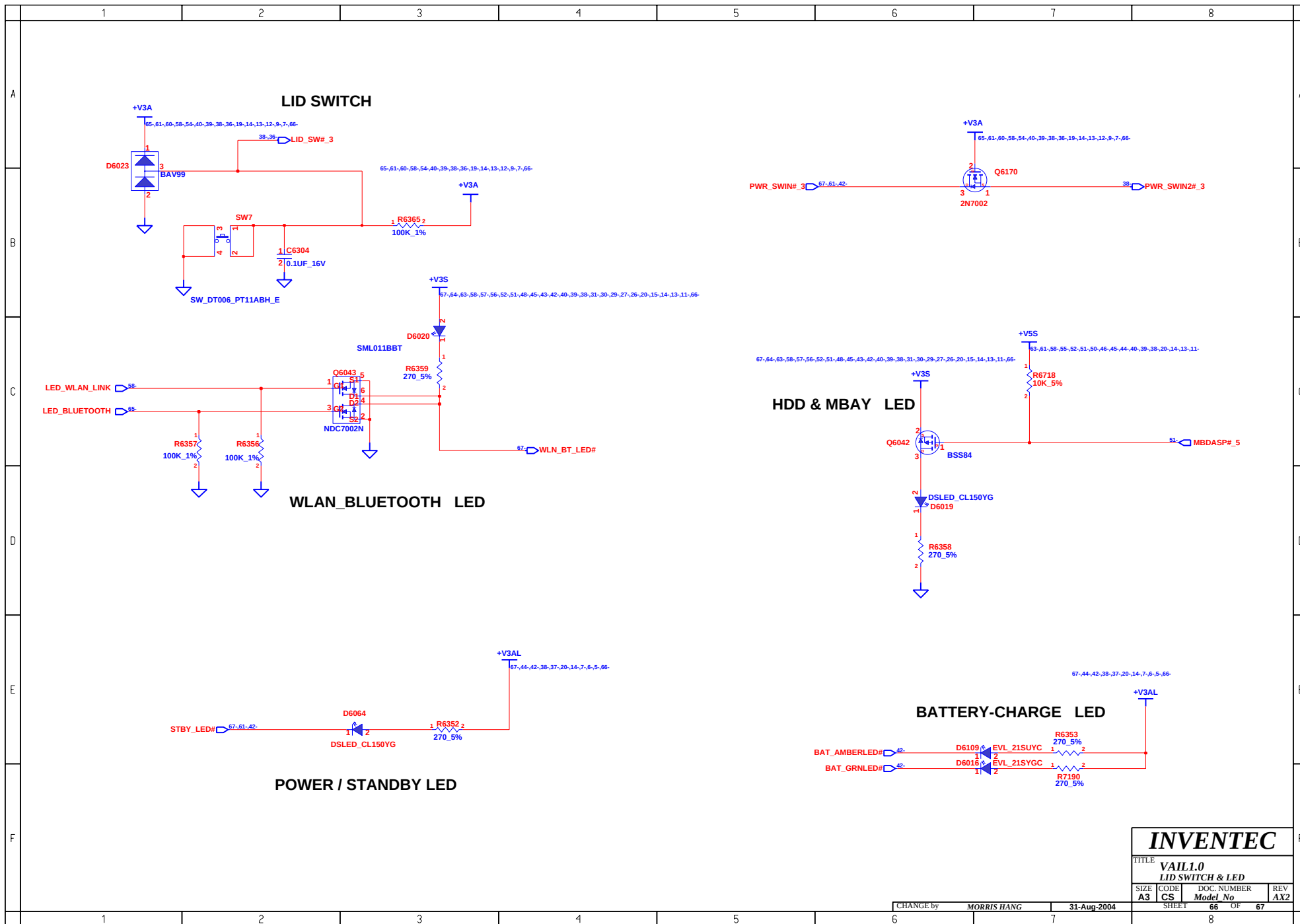


INVENTEC

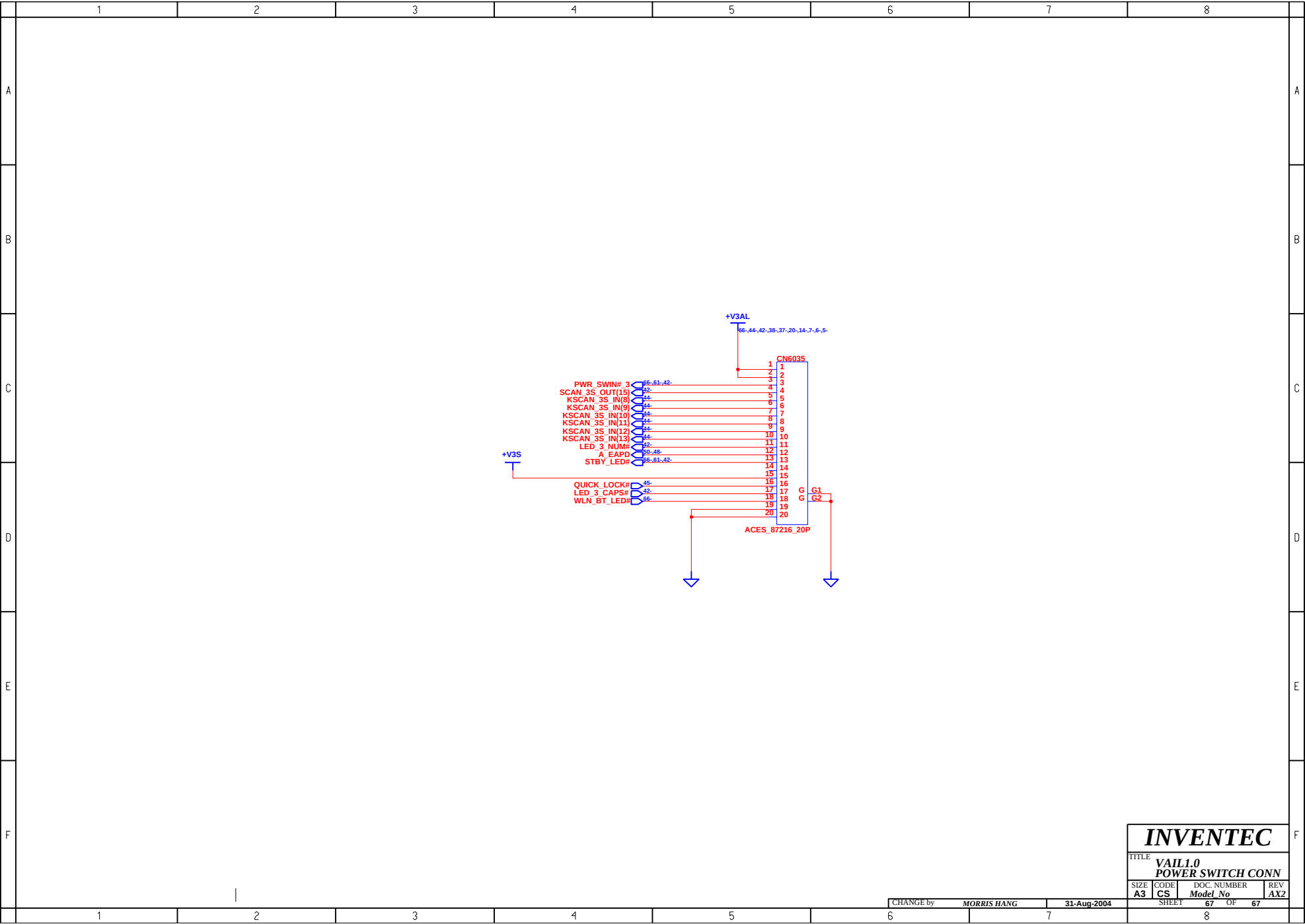
TITLE			
VAIL1.0			
BLUETOOTH			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AX2

CHANGE by MORRIS HANG 31-Aug-2004

SHEET 65 OF 67



INVENTEC			
TITLE VAIL1.0 LID SWITCH & LED			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV AX2
CHANGE by MORRIS HANG		31-Aug-2004	
SHEET 66		OF 67	



INVENTEC			
TITLE			
VAIL1.0 POWER SWITCH CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AX2
SHEET		67	OF 67

CHANGE by MORRIS HANG 31-Aug-2004