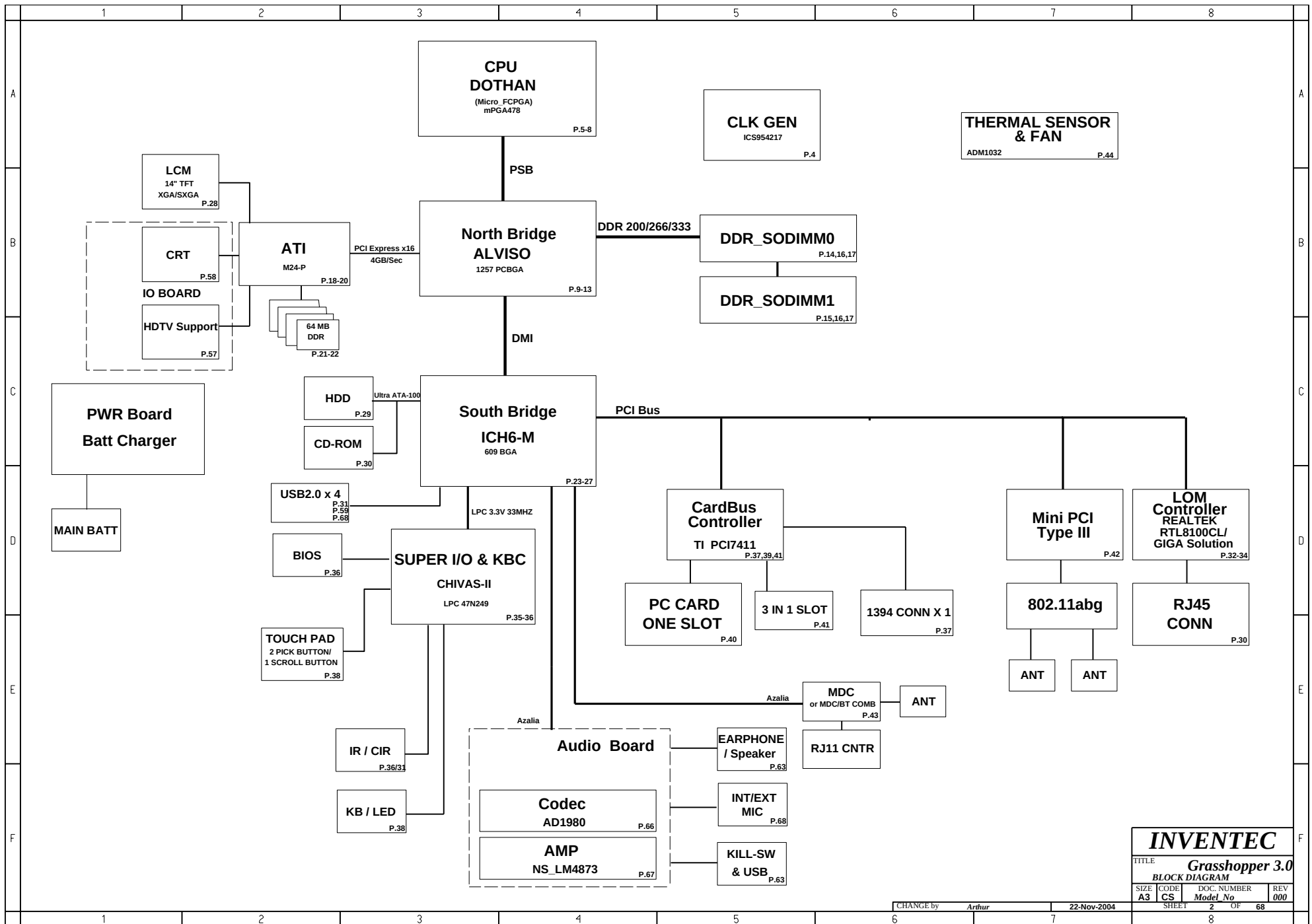
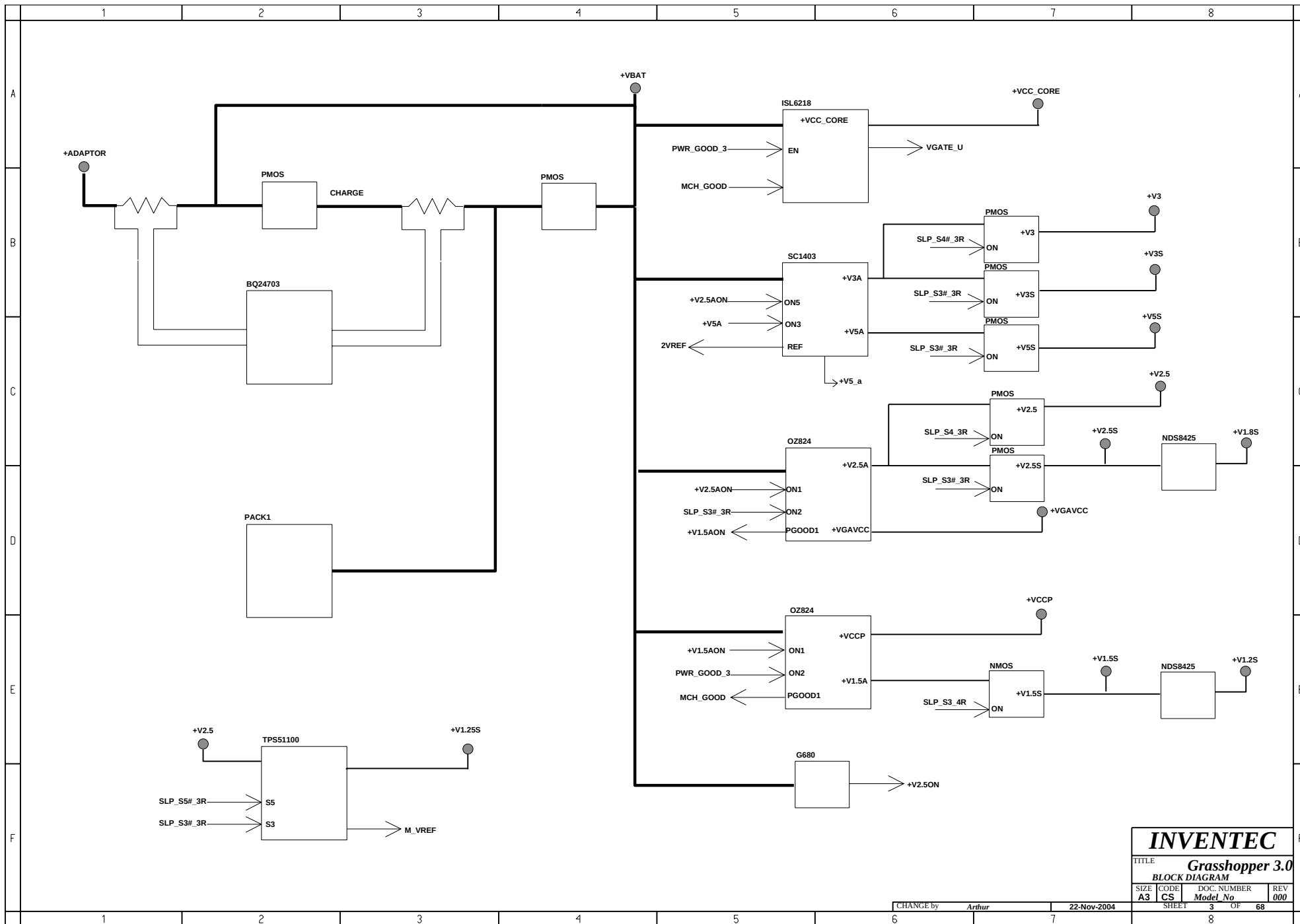
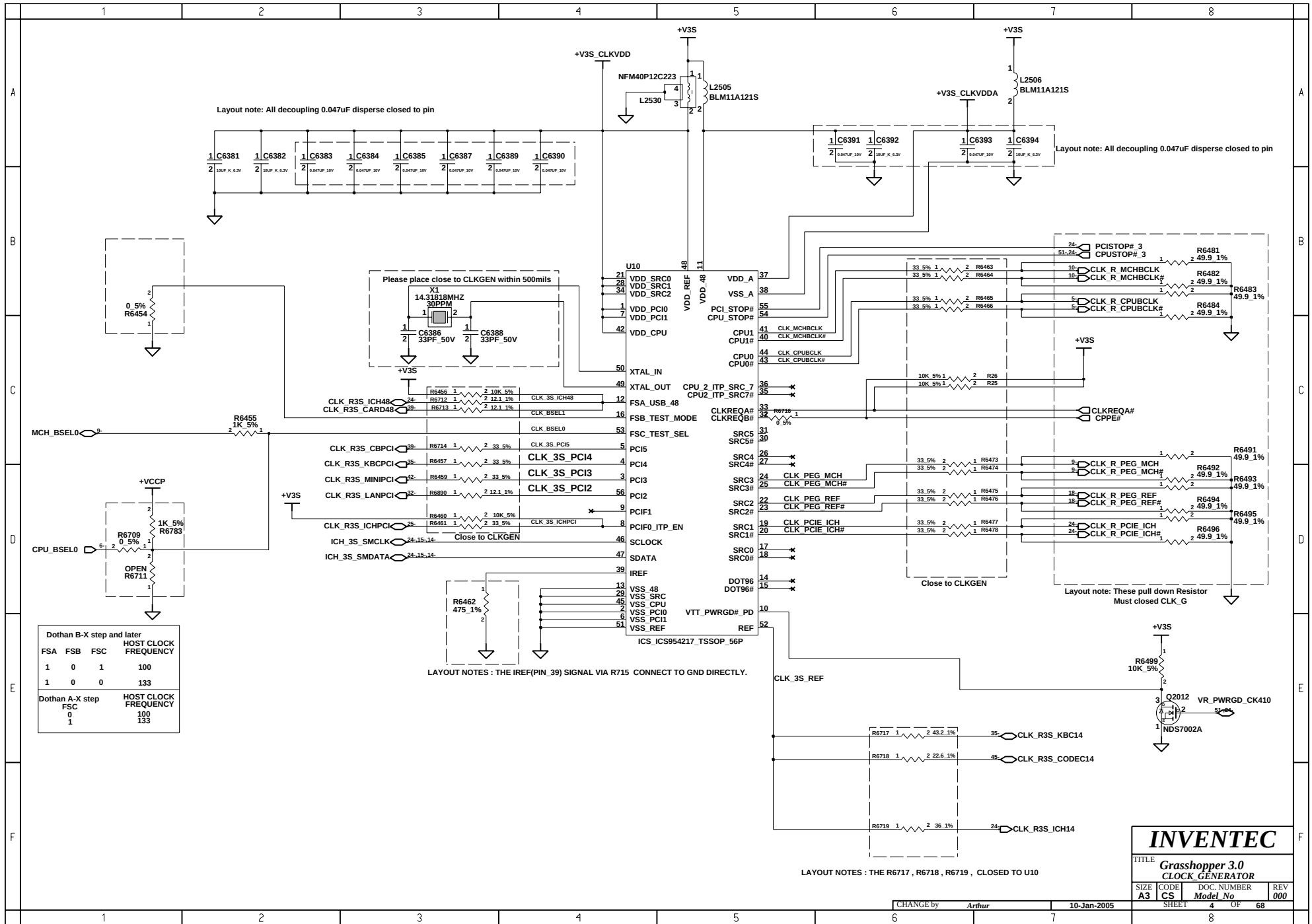


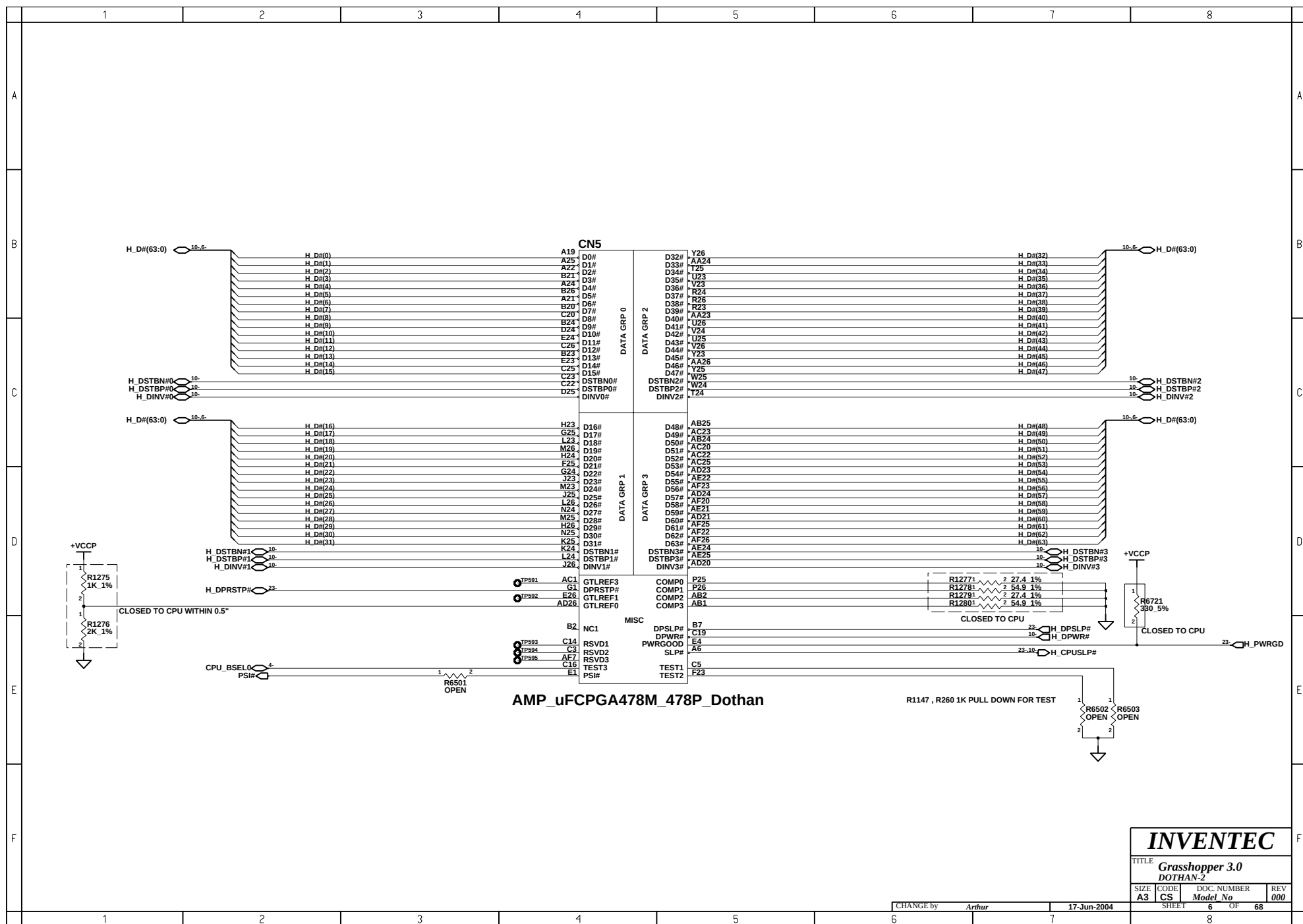
	1	2	3	4	5	6	7	8																																																													
A	TABLE OF CONTENTS			<table><tr><th colspan="3">Revisions</th><th colspan="4">Approvals</th></tr><tr><th>REV</th><th>ECN NO.</th><th>Description Of Change</th><th>DATE</th><th>DFTG.</th><th>ENGR.</th><th>REL.</th></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>			Revisions			Approvals				REV	ECN NO.	Description Of Change	DATE	DFTG.	ENGR.	REL.																																																	
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B	PAGE			PAGE																																																																	
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	5-8 - DOTHAN PROCESSOR			39 - CARDBUS CONTROLLER																																																																	
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	31 - USB PORT & CIR USB CONTROLLER			48-55 - POWER																																																																	
	32 - LAN INTERFACE			56-60 - IO BOARD - DC IN/TV OUT/CRT/USB/HOTKEY/B CN																																																																	
	33 - LAN POWER			61 - TOUCH PAD BUTTON BOARD																																																																	
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	35- CHVIAS II			65 - OPTIONAL HOTKEY BOARD																																																																	
	36 - FLASH ROM & IR/CIR			66-67 - AUDIO DAUGHTER BOARD																																																																	
	37- 1394 CONTROLLER			68 - AUDIO I/O DAUGHTER BOARD																																																																	
F	<table><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td>DATE</td><td>CHANGE NO.</td><td>REV</td></tr></table>																									DATE	CHANGE NO.	REV	2	3	4	5	6	7	8																																		
DATE	CHANGE NO.	REV																																																																			
				<table><tr><td></td><td>EE</td><td>DATE</td><td>POWER</td><td>DATE</td></tr><tr><td>DRAWER</td><td></td><td></td><td></td><td></td></tr><tr><td>CHECK</td><td></td><td></td><td></td><td></td></tr><tr><td>DESIGN</td><td></td><td></td><td></td><td></td></tr><tr><td>RESPOSFOR</td><td></td><td></td><td></td><td></td></tr><tr><td colspan="5">SIZE = B VER :</td></tr><tr><td colspan="5">FILE NAME : XXXX-XXXXXX-XX</td></tr><tr><td>P/N</td><td>XXXXXXXXXXXX</td><td colspan="3">DATE BEGINNING : dd / mm / yyyy</td></tr></table>				EE	DATE	POWER	DATE	DRAWER					CHECK					DESIGN					RESPOSFOR					SIZE = B VER :					FILE NAME : XXXX-XXXXXX-XX					P/N	XXXXXXXXXXXX	DATE BEGINNING : dd / mm / yyyy			<table><tr><td colspan="4">INVENTEC</td></tr><tr><td colspan="4">Grasshopper 3.0</td></tr><tr><td colspan="4">TITLE</td></tr><tr><td>SIZE A3</td><td>CODE CS</td><td>DOC. NUMBER Model No</td><td>REV 000</td></tr><tr><td colspan="2">SHEET 1</td><td colspan="2">OF 68</td></tr></table>			INVENTEC				Grasshopper 3.0				TITLE				SIZE A3	CODE CS	DOC. NUMBER Model No	REV 000	SHEET 1		OF 68	
	EE	DATE	POWER	DATE																																																																	
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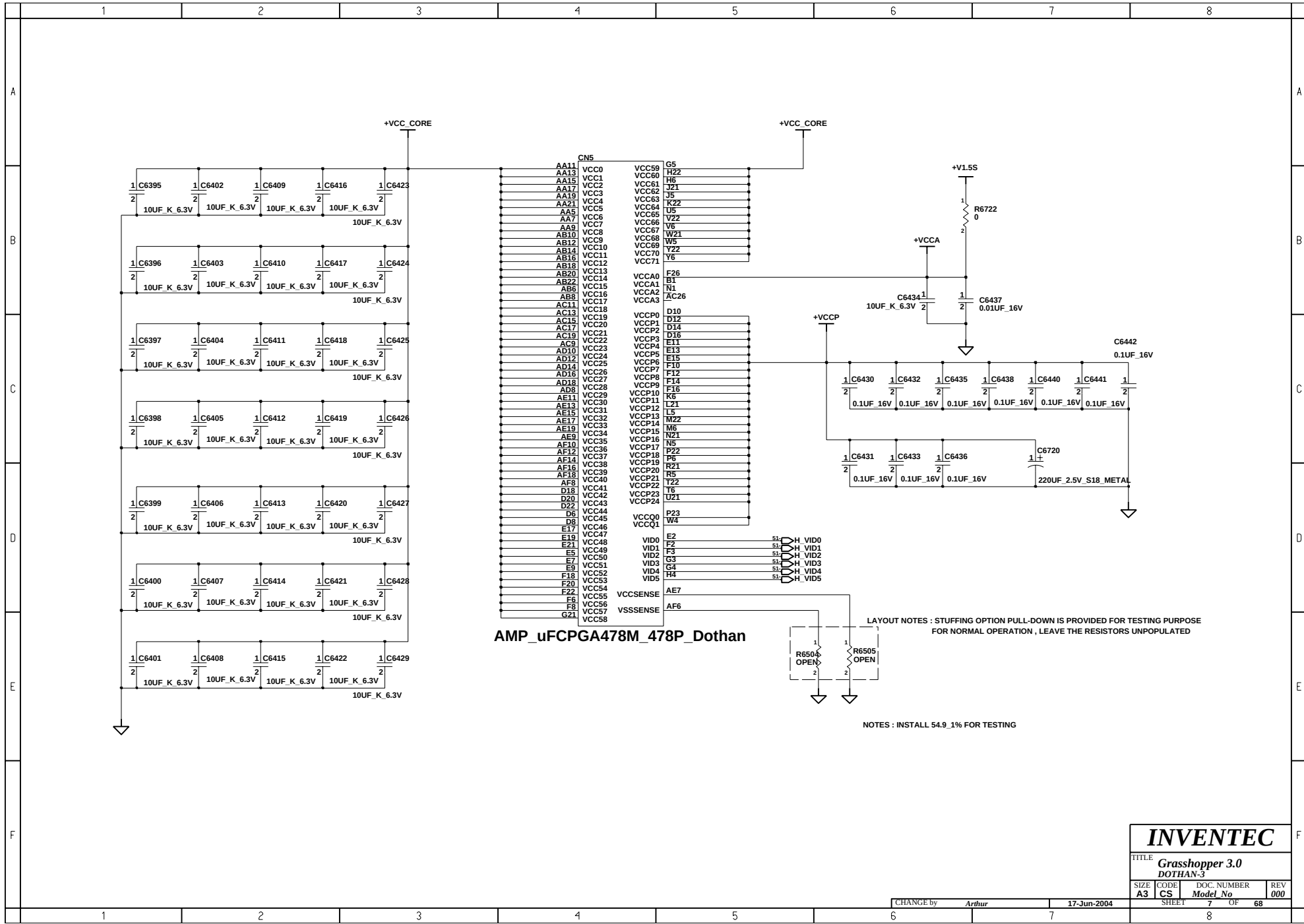




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TITLE Grasshopper 3.0			
BLOCK DIAGRAM			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	000
CHANGE by		22-Nov-2004	
SHEET		3	OF 68







AMP_uFCPGA478M_478P_Dothan

LAYOUT NOTES : STUFFING OPTION PULL-DOWN IS PROVIDED FOR TESTING PURPOSE
FOR NORMAL OPERATION , LEAVE THE RESISTORS UNPOPULATED

NOTES : INSTALL 54.9 1% FOR TESTING

INVENTEC

TITLE			
Grasshopper 3.0			
DOTHAN-3			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	000

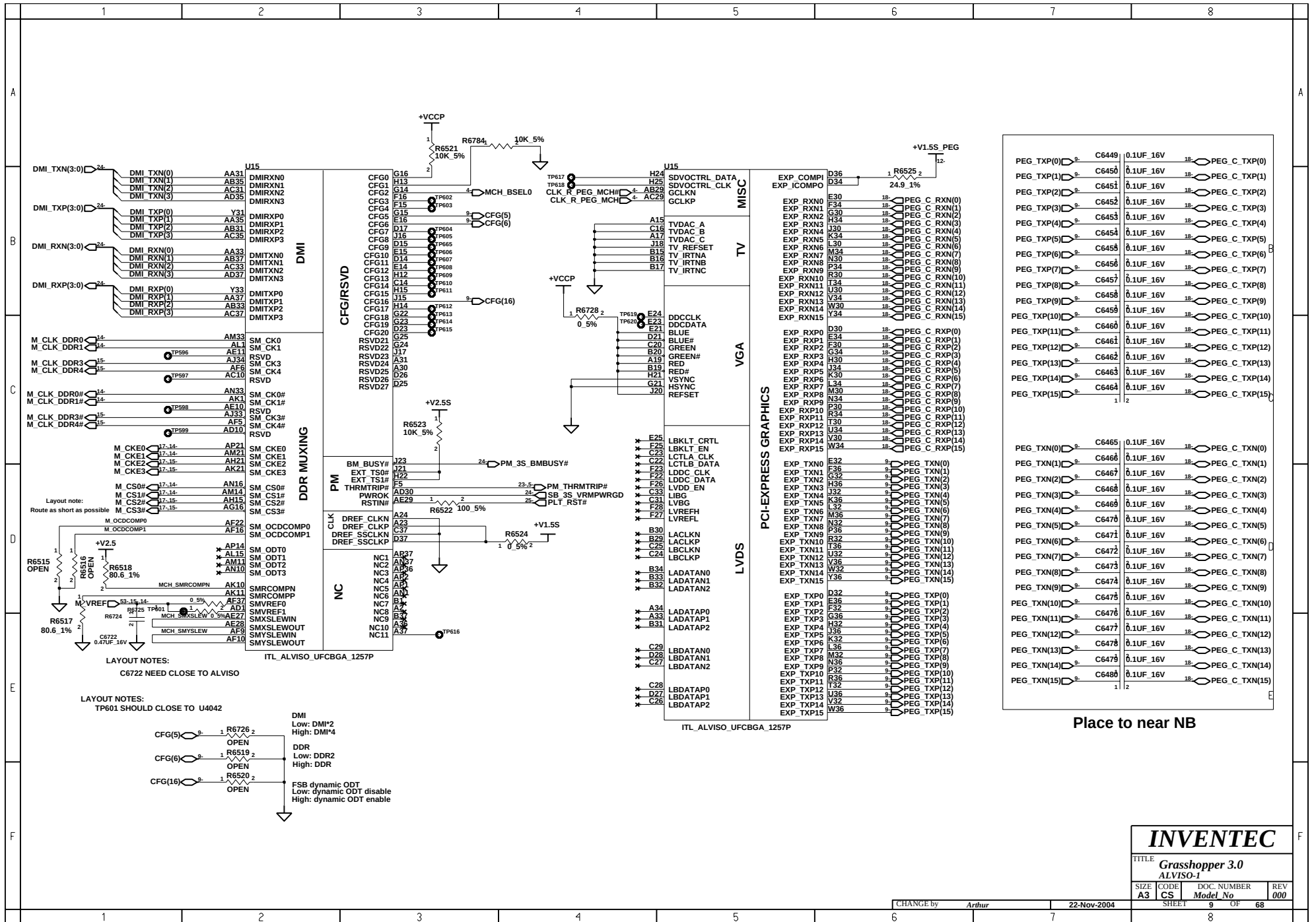
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		A2 VSS0	D13 VSS97						
		A5 VSS1	D15 VSS98						
		A8 VSS2	D17 VSS99						
		A11 VSS3	D19 VSS100						
		A14 VSS4	D21 VSS101						
		A17 VSS5	D23 VSS102						
		A20 VSS6	D26 VSS103						
		A23 VSS7	E3 VSS104						
		A26 VSS8	E5 VSS105						
		AA1 VSS9	E8 VSS106						
		AA4 VSS10	E10 VSS107						
		AA6 VSS11	E12 VSS108						
		AA8 VSS12	E14 VSS109						
		AA10 VSS13	E16 VSS110						
		AA12 VSS14	E18 VSS111						
		AA14 VSS15	E20 VSS112						
		AA16 VSS16	E22 VSS113						
		AA18 VSS17	F1 VSS114						
		AA20 VSS18	F4 VSS115						
		AA22 VSS19	F5 VSS116						
		AA25 VSS20	F7 VSS117						
		AB3 VSS21	F9 VSS118						
		AB5 VSS22	F11 VSS119						
		AB7 VSS23	F13 VSS120						
		AB9 VSS24	F15 VSS121						
		AB11 VSS25	F17 VSS122						
		AB13 VSS26	F19 VSS123						
		AB15 VSS27	F21 VSS124						
		AB17 VSS28	F24 VSS125						
		AB19 VSS29	G2 VSS126						
		AB21 VSS30	G6 VSS127						
		AB23 VSS31	G22 VSS128						
		AB26 VSS32	G23 VSS129						
		AC2 VSS33	G26 VSS130						
		AC5 VSS34	H3 VSS131						
		AC8 VSS35	H5 VSS132						
		AC10 VSS36	H21 VSS133						
		AC12 VSS37	H25 VSS134						
		AC14 VSS38	J1 VSS135						
		AC16 VSS39	J4 VSS136						
		AC18 VSS40	J6 VSS137						
		AC21 VSS41	J22 VSS138						
		AC24 VSS42	J24 VSS139						
		AD1 VSS43	K2 VSS140						
		AD4 VSS44	K5 VSS141						
		AD7 VSS45	K21 VSS142						
		AD9 VSS46	K23 VSS143						
		AD11 VSS47	K26 VSS144						
		AD13 VSS48	L3 VSS145						
		AD15 VSS49	L5 VSS146						
		AD17 VSS50	L22 VSS147						
		AD19 VSS51	L25 VSS148						
		AD22 VSS52	M1 VSS149						
		AD25 VSS53	M4 VSS150						
		AE3 VSS54	M5 VSS151						
		AE6 VSS55	M21 VSS152						
		AE8 VSS56	M24 VSS153						
		AE10 VSS57	N3 VSS154						
		AE12 VSS58	N6 VSS155						
		AE14 VSS59	N22 VSS156						
		AE16 VSS60	N23 VSS157						
		AE18 VSS61	N26 VSS158						
		AE20 VSS62	P2 VSS159						
		AE23 VSS63	P5 VSS160						
		AE26 VSS64	P21 VSS161						
		AF2 VSS65	P24 VSS162						
		AF5 VSS66	R1 VSS163						
		AF9 VSS67	R4 VSS164						
		AF11 VSS68	R6 VSS165						
		AF13 VSS69	R22 VSS166						
		AF15 VSS70	R25 VSS167						
		AF17 VSS71	T3 VSS168						
		AF19 VSS72	T5 VSS169						
		AF21 VSS73	T21 VSS170						
		AF24 VSS74	T23 VSS171						
		B3 VSS75	T26 VSS172						
		B6 VSS76	U2 VSS173						
		B9 VSS77	U6 VSS174						
		B12 VSS78	U22 VSS175						
		B16 VSS79	U24 VSS176						
		B19 VSS80	V1 VSS177						
		B22 VSS81	V4 VSS178						
		B25 VSS82	V5 VSS179						
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		C4 VSS84	V25 VSS181						
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		C10 VSS86	W6 VSS183						
		C13 VSS87	W22 VSS184						
		C15 VSS88	W23 VSS185						
		C18 VSS89	W26 VSS186						
		C21 VSS90	Y2 VSS187						
		C24 VSS91	Y5 VSS188						
		D5 VSS92	Y21 VSS189						
		D6 VSS93	Y24 VSS190						
		D7 VSS94	Y24 VSS191						
		D9 VSS95							
		D11 VSS96							
F		AMP_uFCPGA478M_478P_Dothan							F
	1	2	3	4	5	6	7	8	

INVENTEC

TITLE			
Grasshopper 3.0			
DOTHAN-4			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	000

CHANGE by Arthur 17-Jun-2004

SHEET 8 OF 68



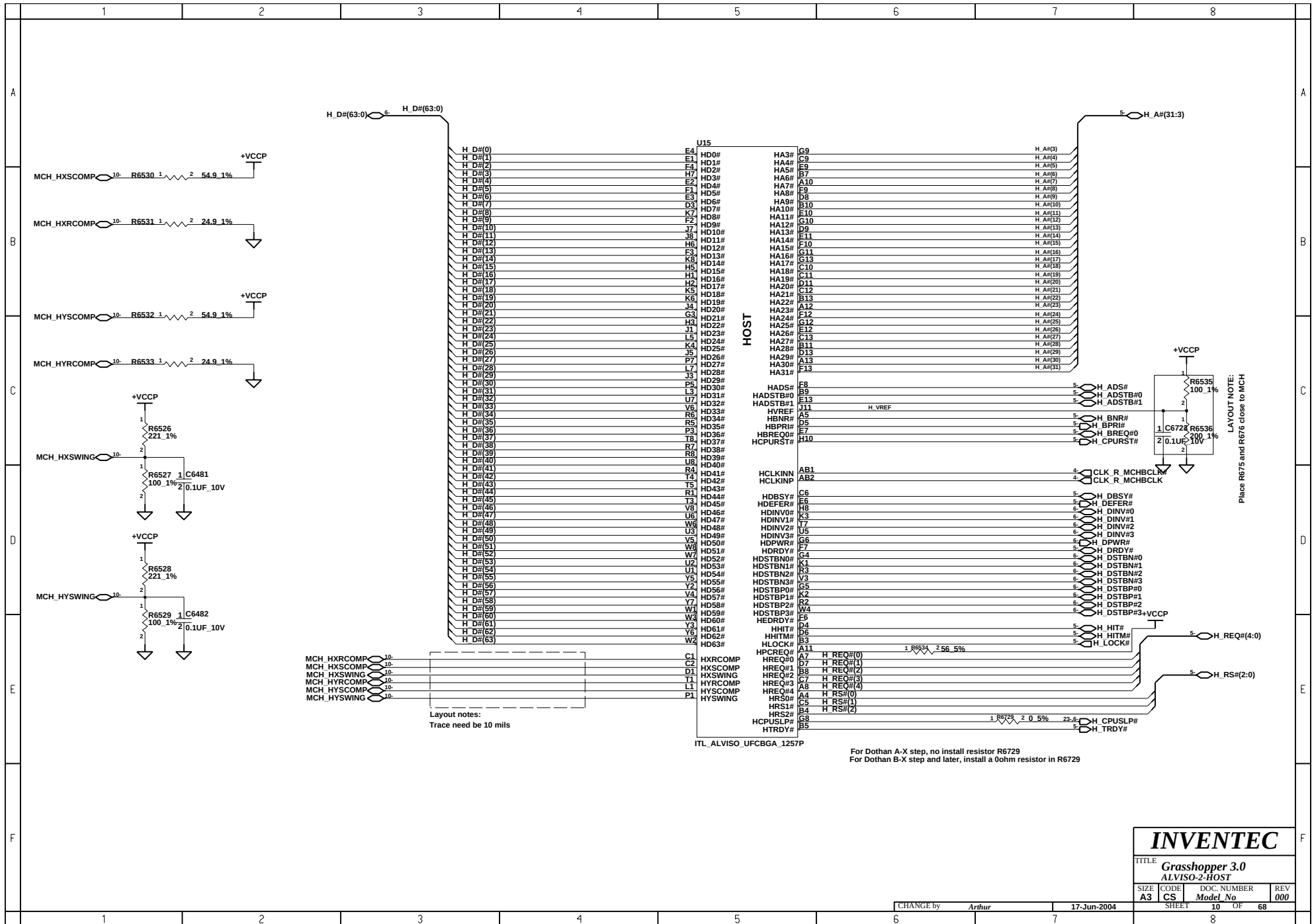
INVENTEC

TITLE
Grasshopper 3.0
ALVISO-1

SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	000

CHANGE by **Arthur** 22-Nov-2004

SHEET **9** OF **68**



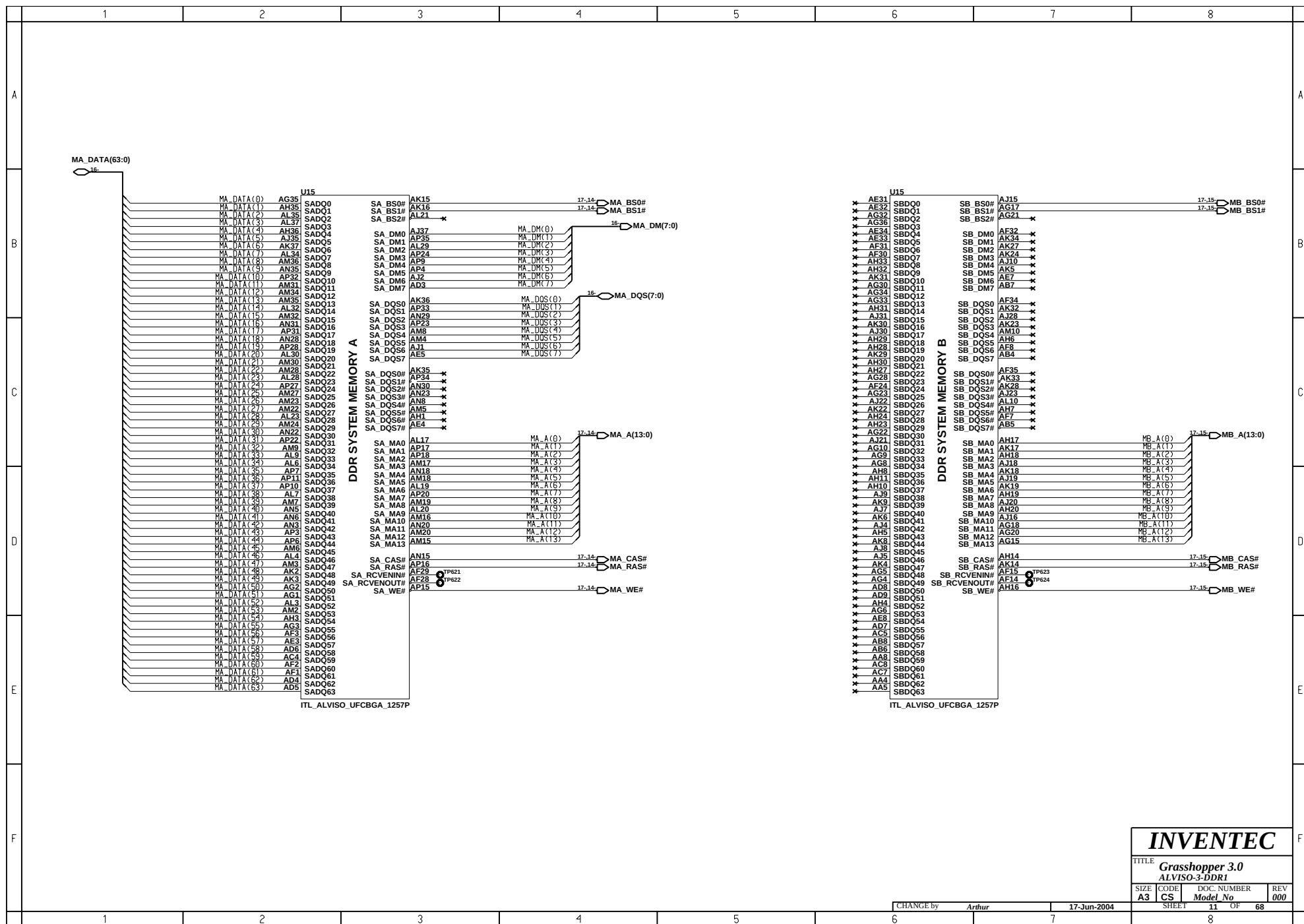
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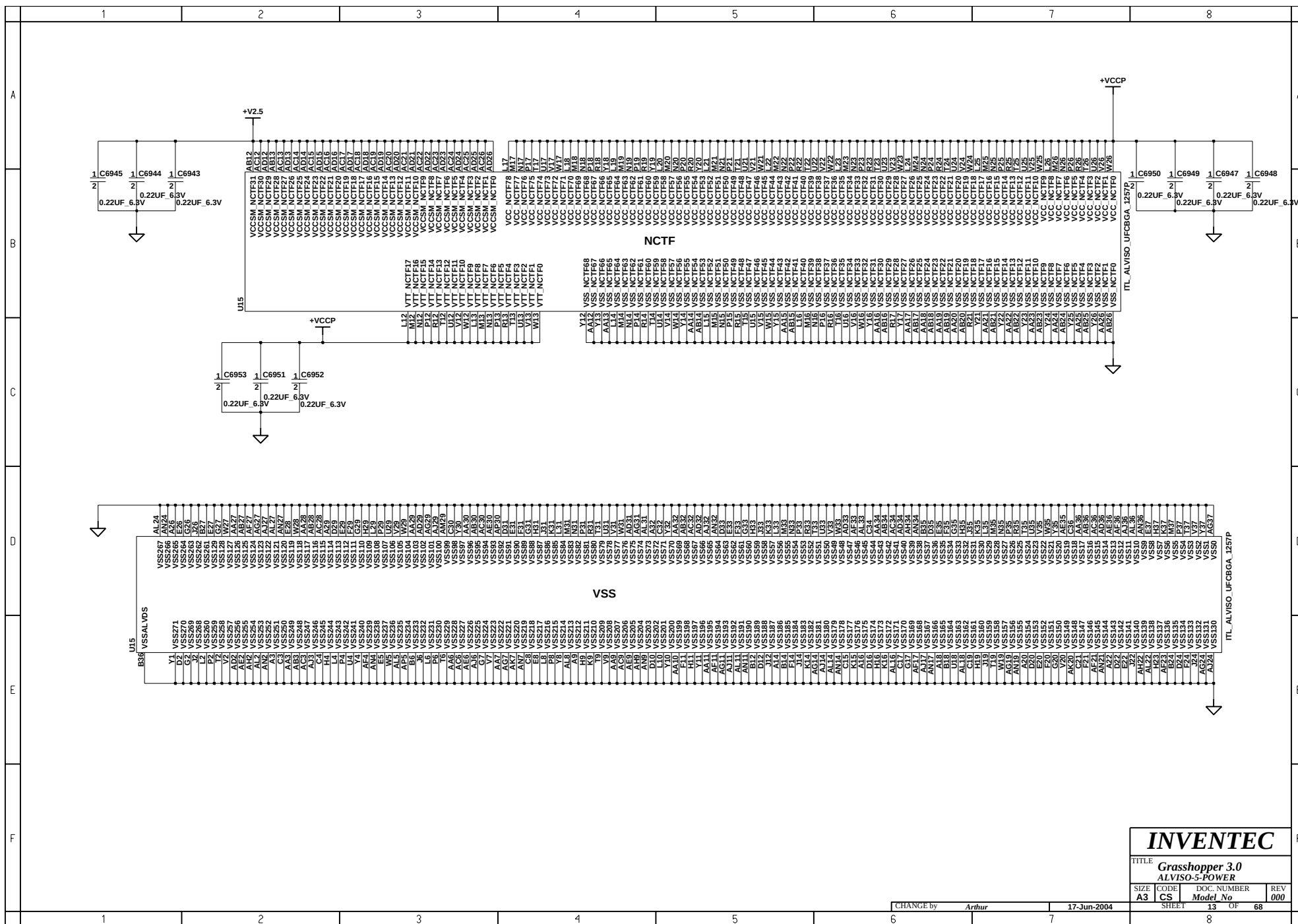
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Grasshopper 3.0
ALVISO-2-HOST

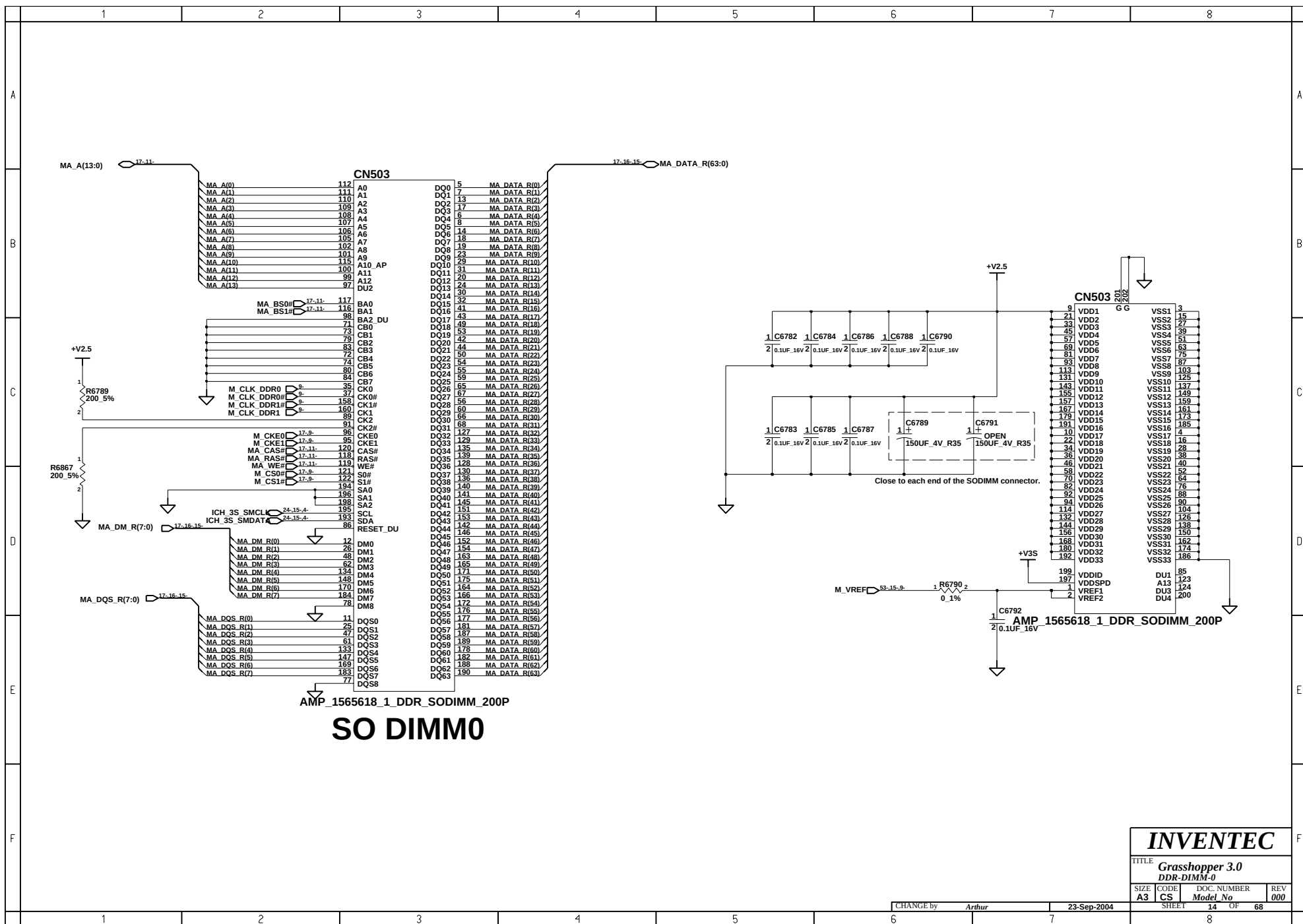
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	000

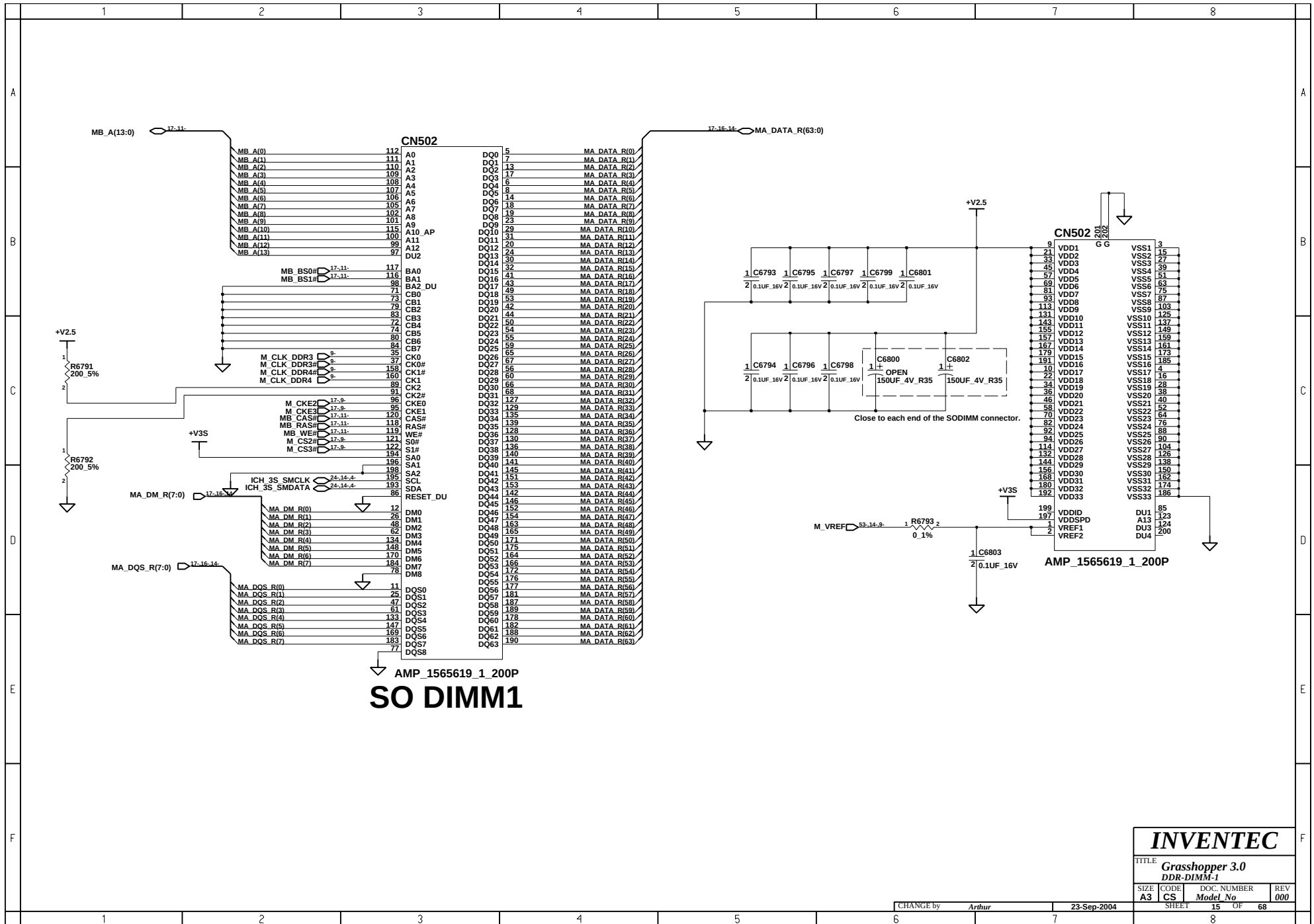
CHANGE by **Arthur** 17-Jun-2004

SHEET 10 OF 68





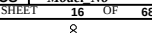




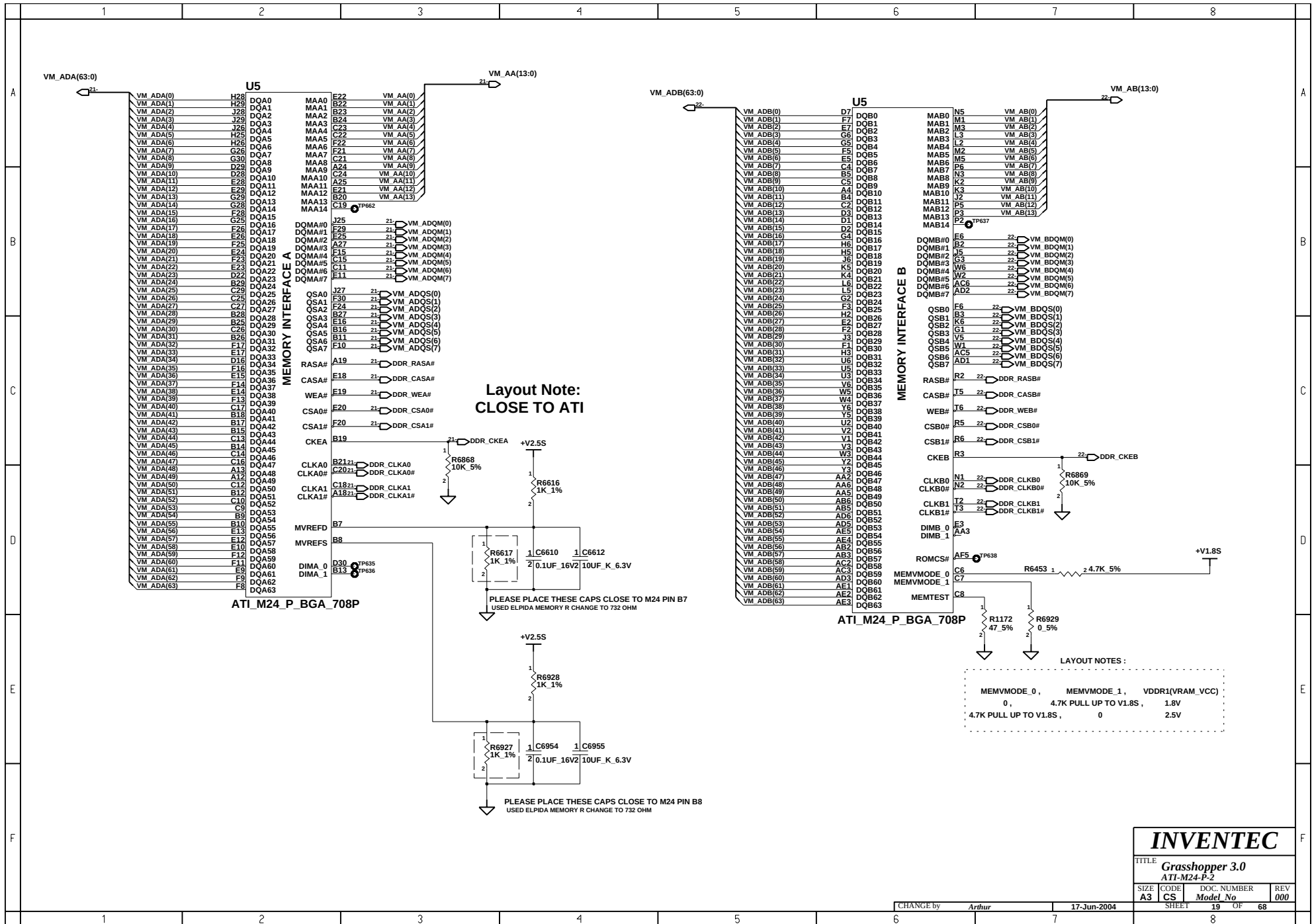
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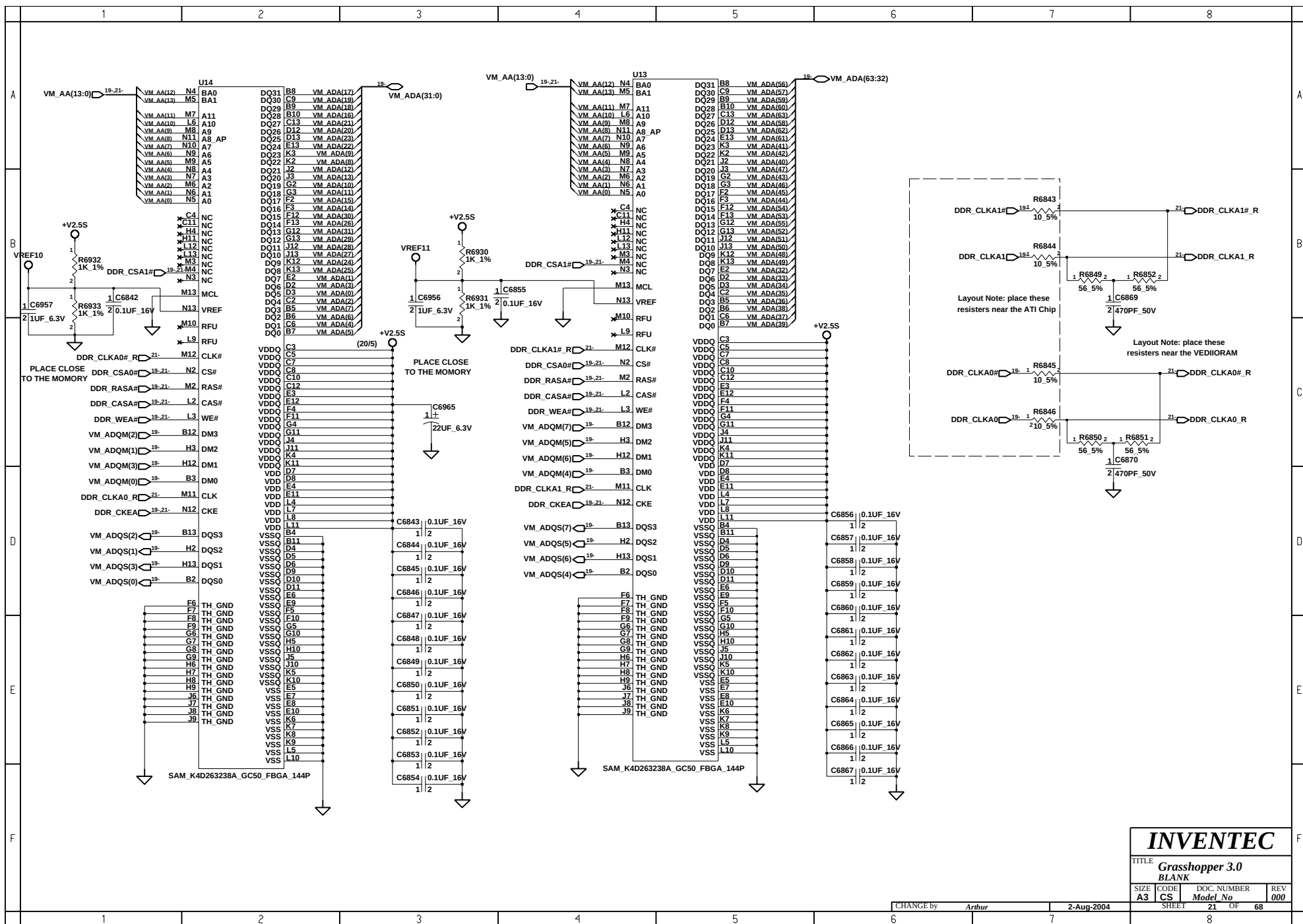
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DDR-DIMM-1			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	000
CHANGE by		23-Sep-2004	
SHEET		15	OF 68









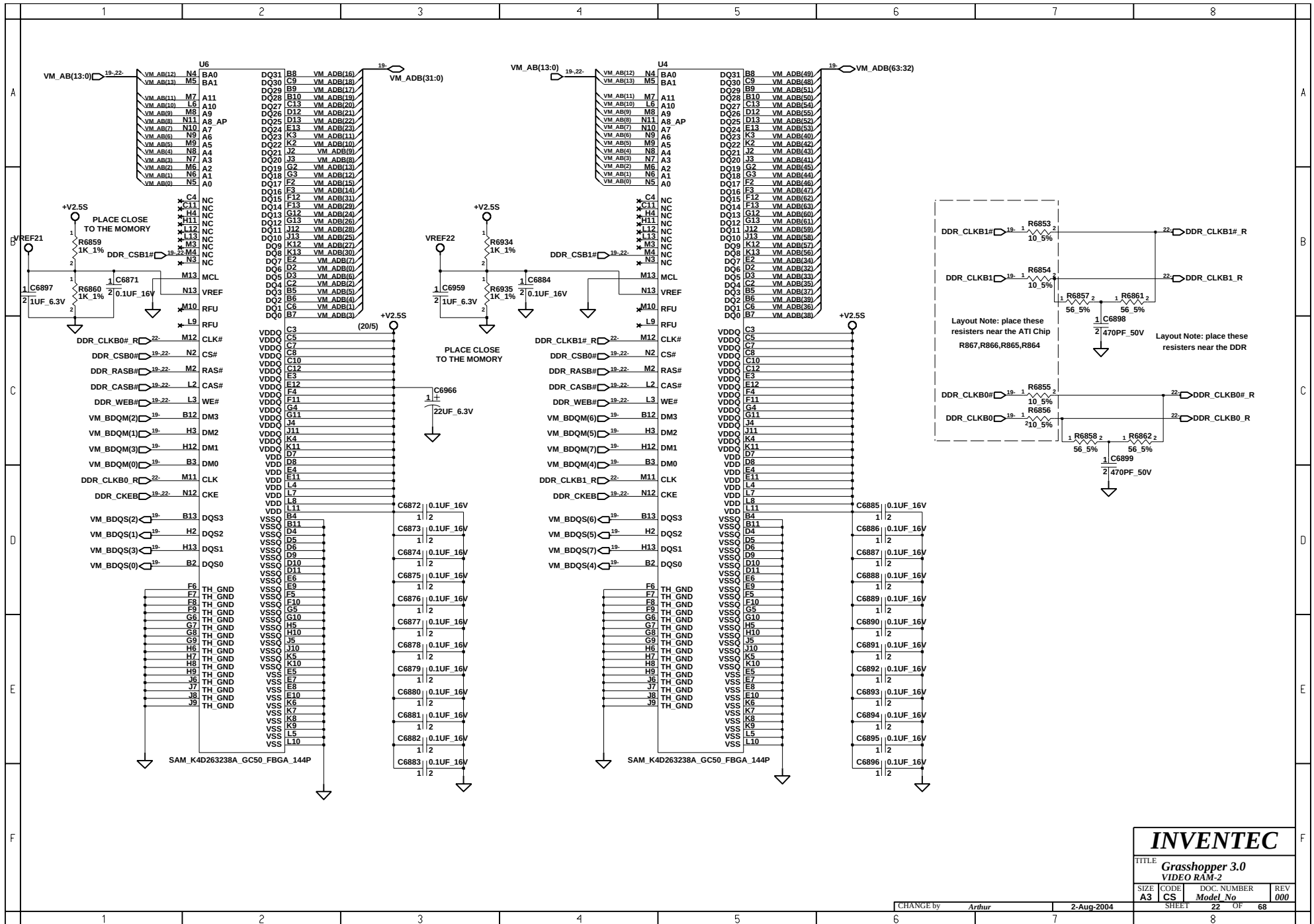
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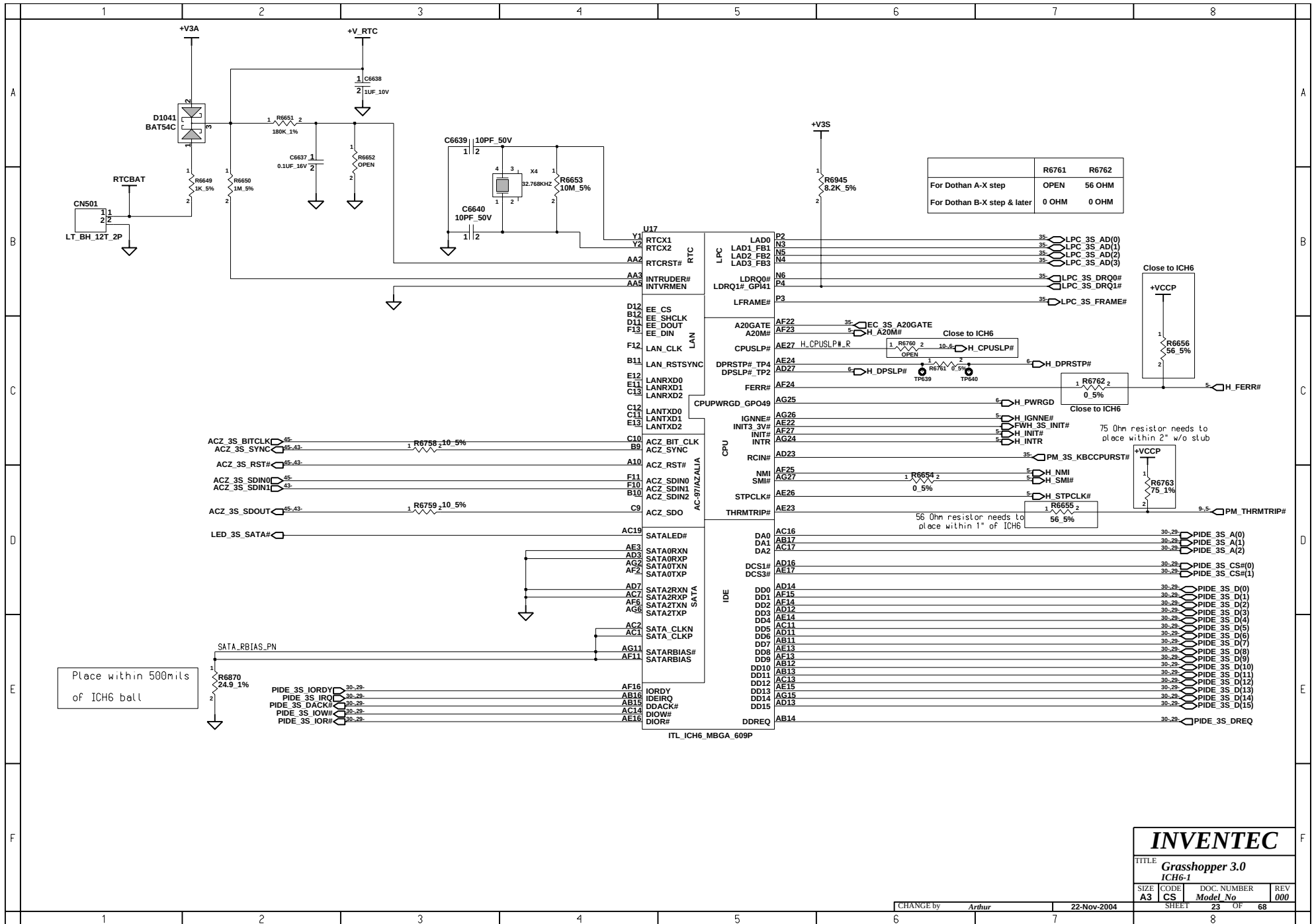
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SIZE A3	CODE CS	DOC. NUMBER <i>Model No</i>	REV 000
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CHANGE by	<i>Arthur</i>	2-Aug-2004
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CS Model No
SHEET 21 OF 68



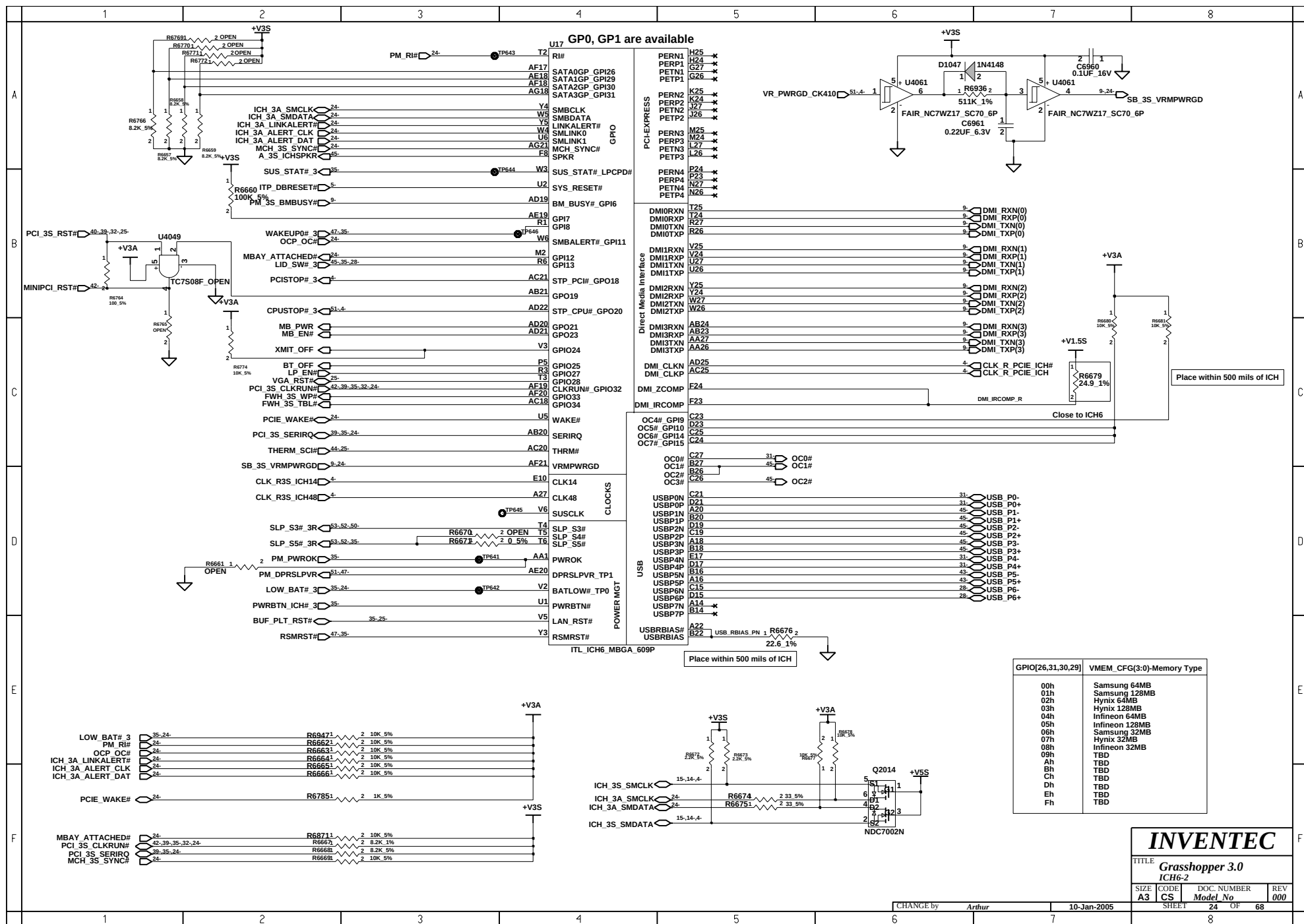


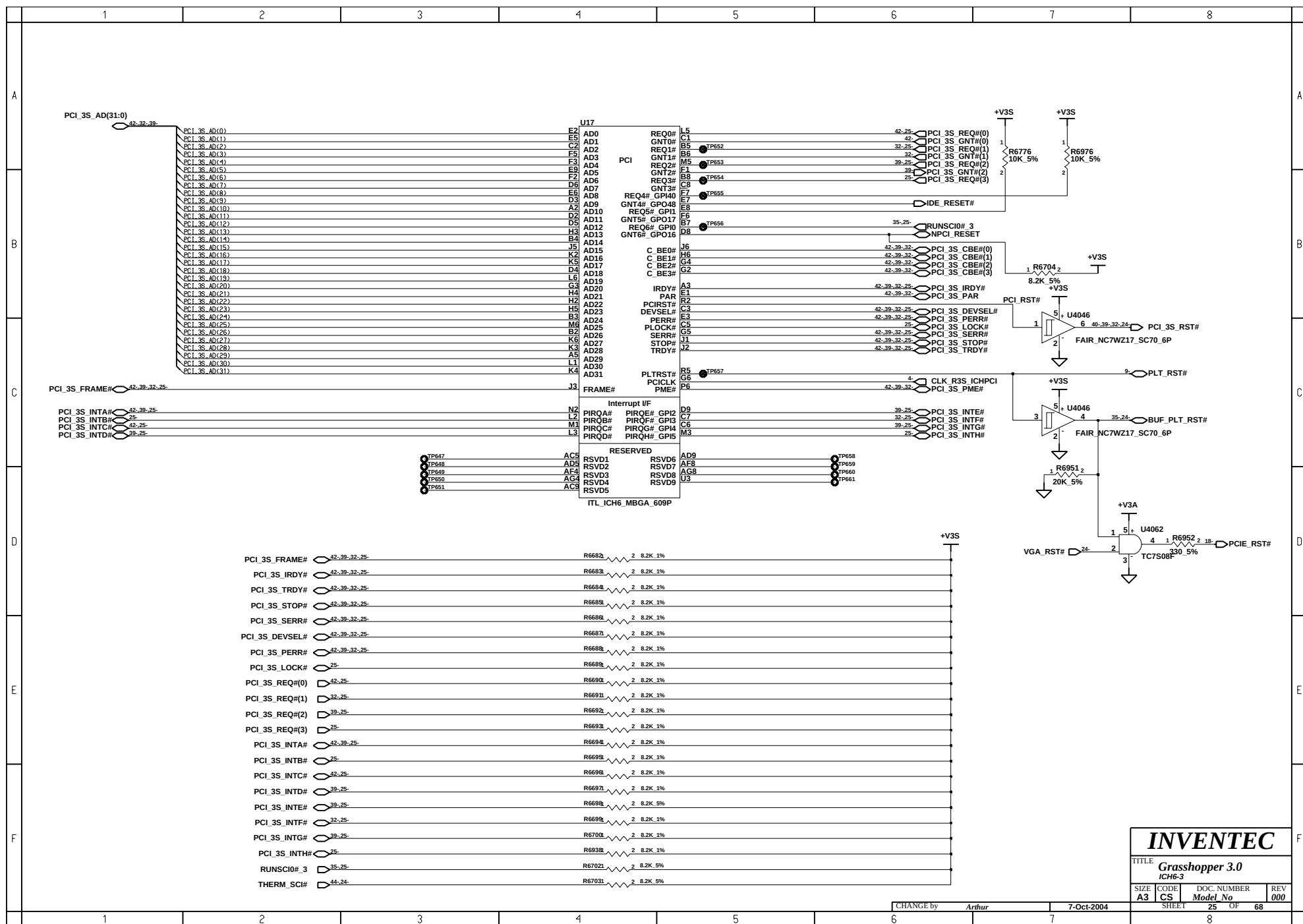
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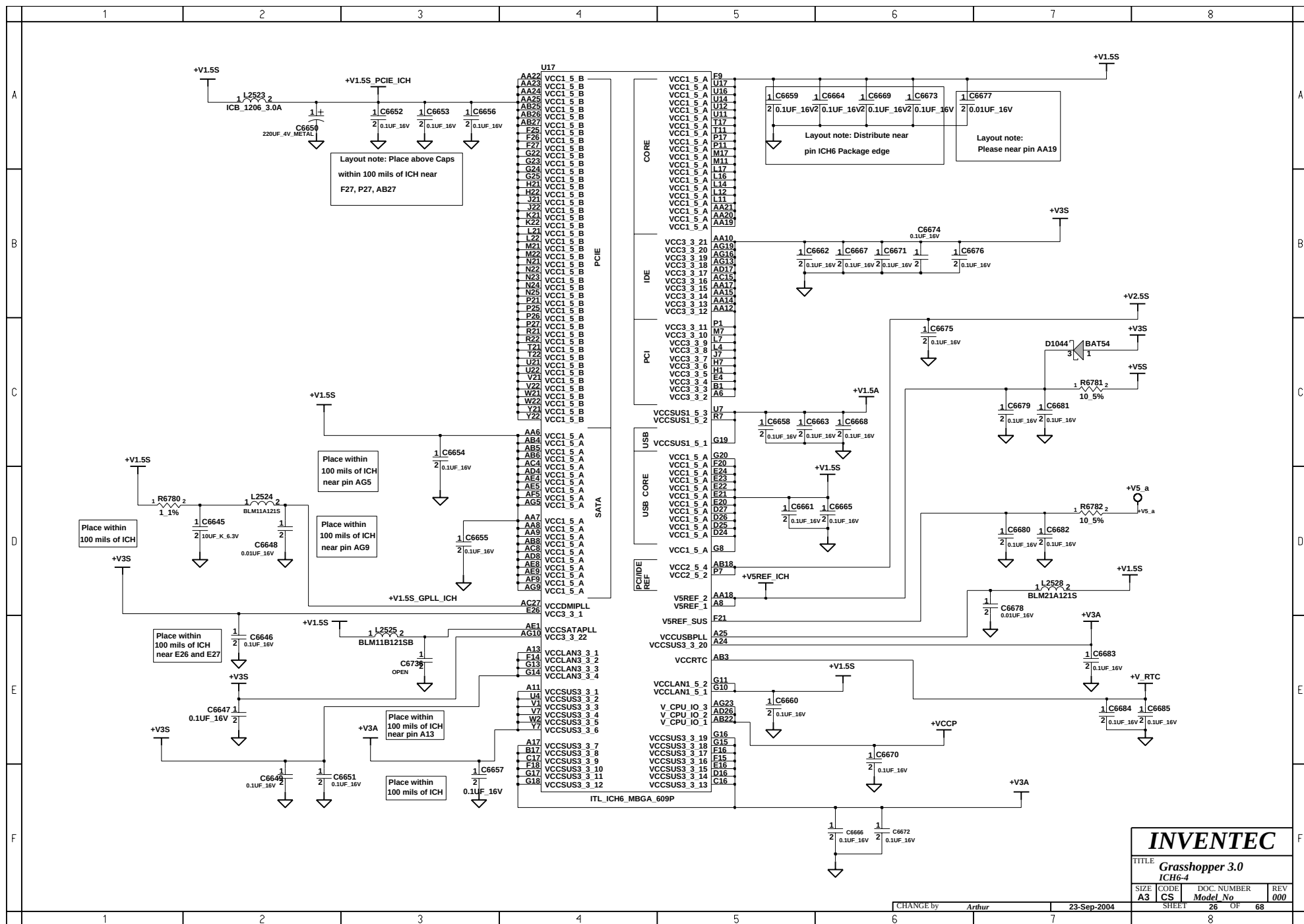
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Grasshopper 3.0			
ICH6-1			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	000

CHANGE by Arthur 22-Nov-2004

SHEET 23 OF 68







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

U17

E27

V6

Y27

Y26

Y23

W7

W25

W24

W23

W1

V4

V27

V26

V25

U25

U24

U23

U15

T7

T26

T23

T16

T15

T14

T13

T12

R4

R25

R24

R23

R17

R16

R15

R14

R13

R12

R11

P22

P16

P15

P14

P13

P12

N7

N17

N16

N15

N14

N13

N12

N11

N1

M4

M27

M26

M23

M16

M15

M14

M13

M12

L25

L24

L23

L15

L13

K7

K27

K26

K23

K1

J4

J25

J24

J23

H27

H26

H23

G9

G7

G21

G12

G1

VSS172

VSS171

VSS170

VSS169

VSS168

VSS167

VSS166

VSS165

VSS164

VSS163

VSS162

VSS161

VSS160

VSS159

VSS158

VSS157

VSS156

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E18

E15

E14

D7

D22

D20

D18

D14

D13

D10

D1

C4

C22

C20

C18

C14

B25

B24

B23

B21

B19

B15

B13

AG7

AG3

AG22

AG20

AG17

AG14

AG12

AG1

AF7

AF3

AF26

AF12

AF10

AF1

AE7

AE6

AE25

AE21

AE2

AE12

AE11

AE10

AD6

AD24

AD2

AD18

AD15

AD10

AD1

AC6

AC2

AC26

AC24

AC23

AC22

AC12

AC10

AB9

AB7

AB2

AB19

AB10

AB1

AA4

AA16

AA13

AA11

A9

A7

A4

A26

A23

A21

A19

A15

A12

A1

ITL_ICH6_MBG_609P

INVENTEC

TITLE

Grasshopper 3.0

ICH6-5

SIZE

A3

CODE

CS

DOC. NUMBER

Model No

REV

000

SHEET

27

OF

68

CHANGE by

Arthur

17-Jun-2004

1

2

3

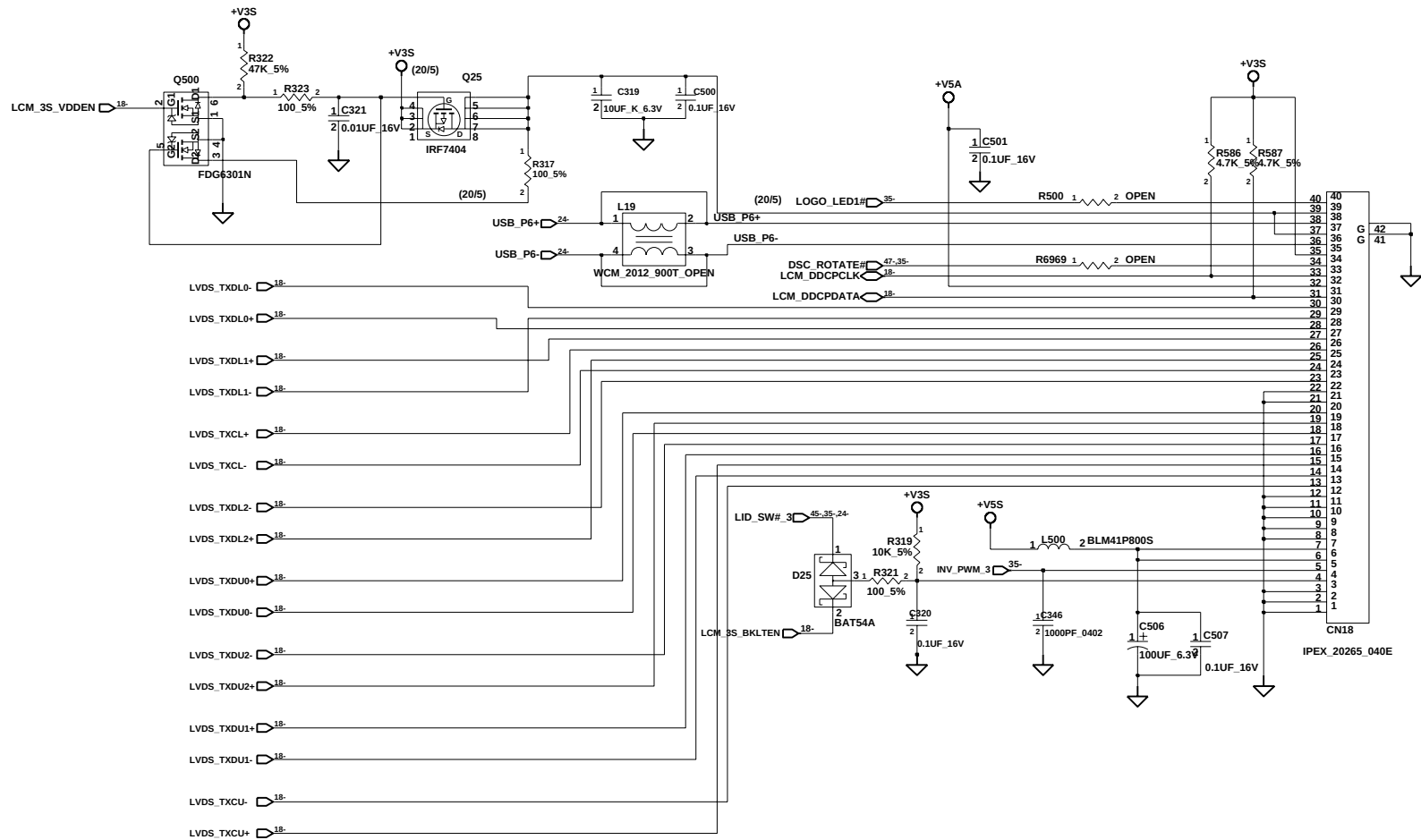
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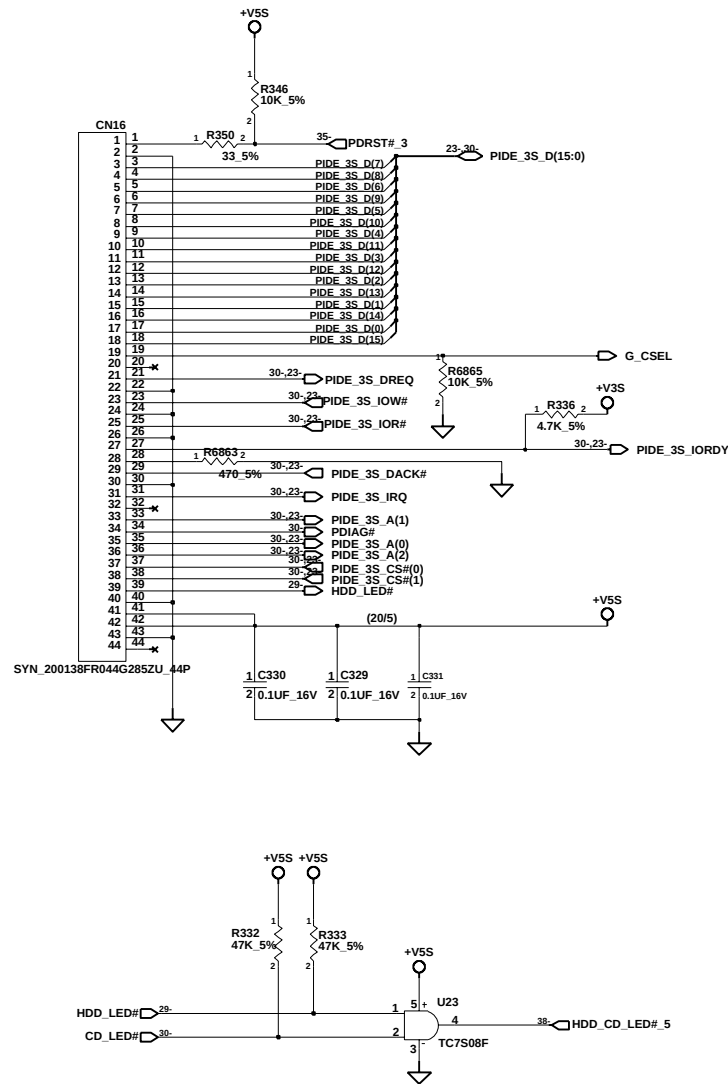
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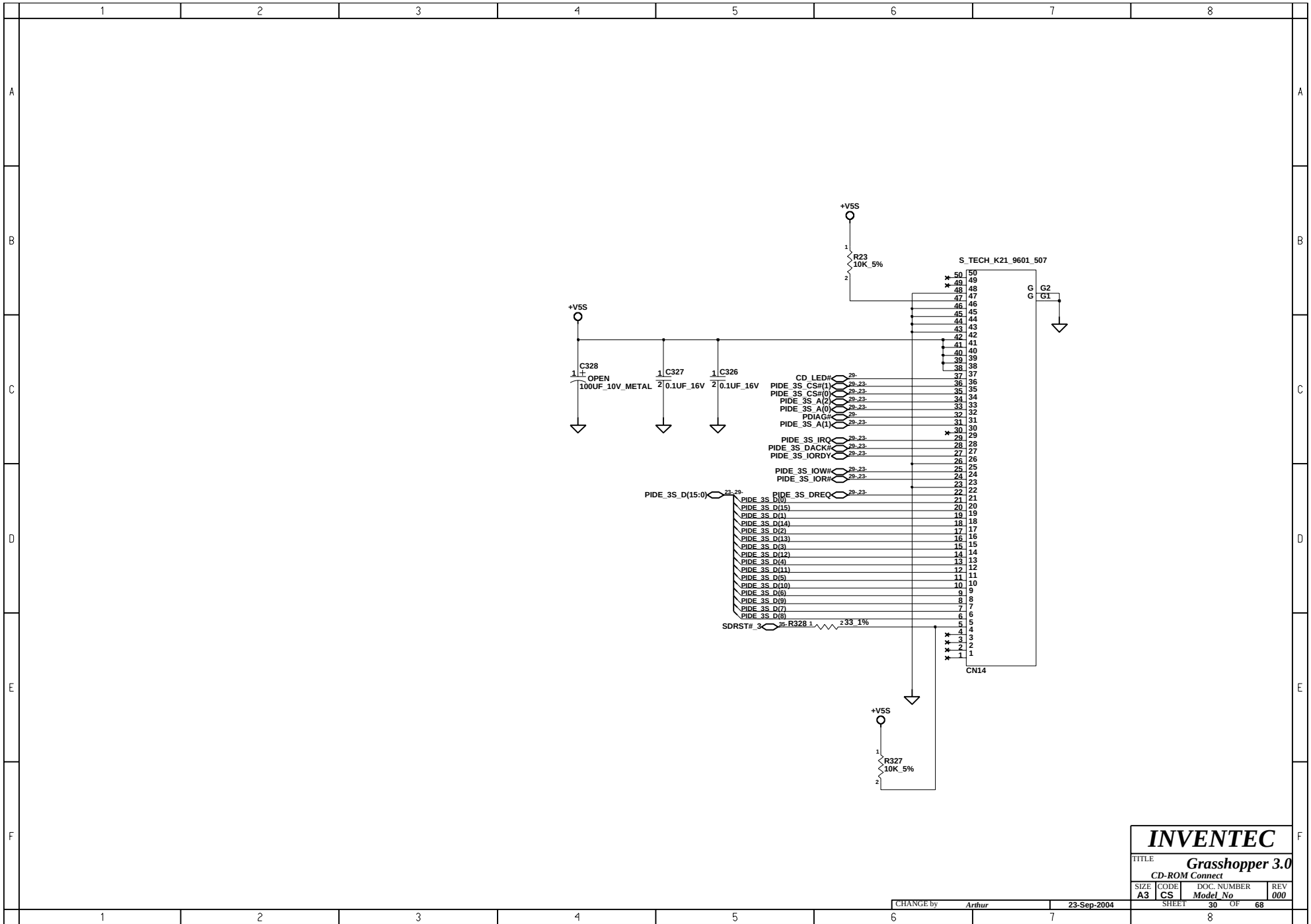
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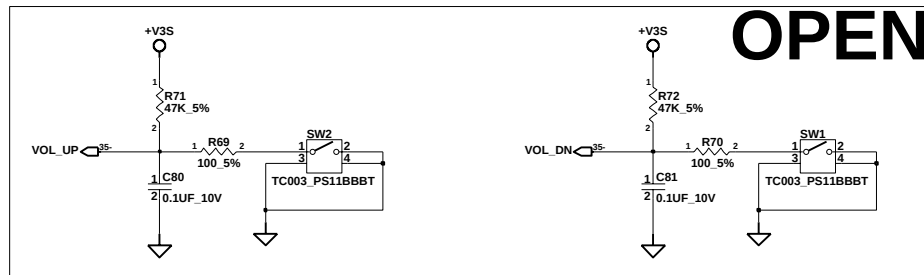
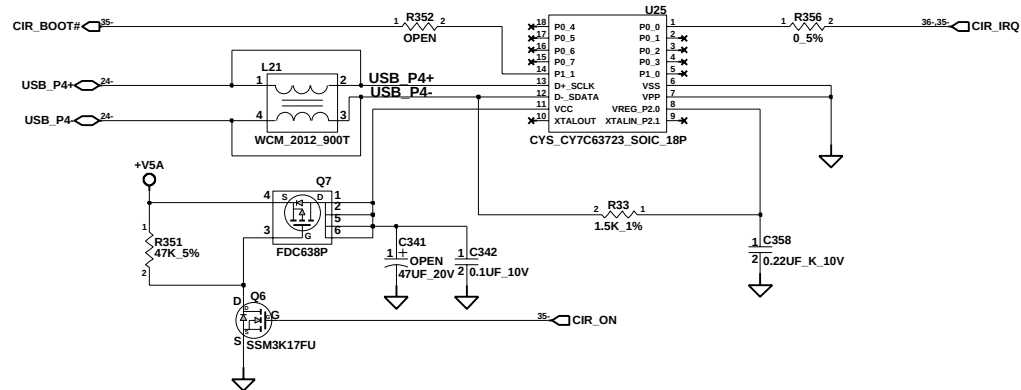
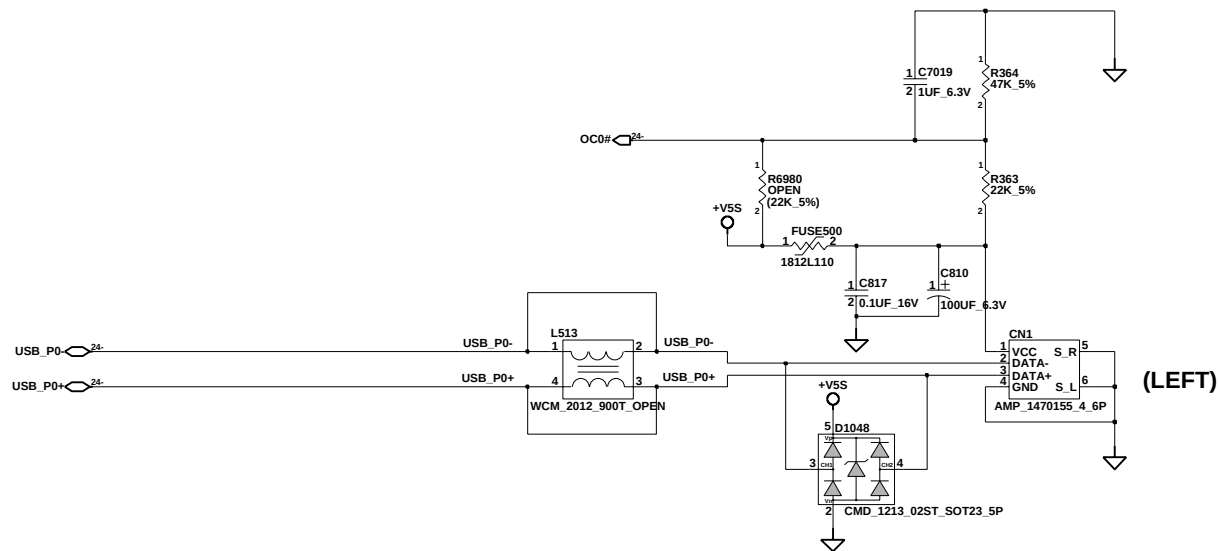


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TITLE Grasshopper 3.0			
LCD CONNECTOR I/F			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV 000
CHANGE by Arthur		21-Sep-2004	
SHEET 28		OF 68	

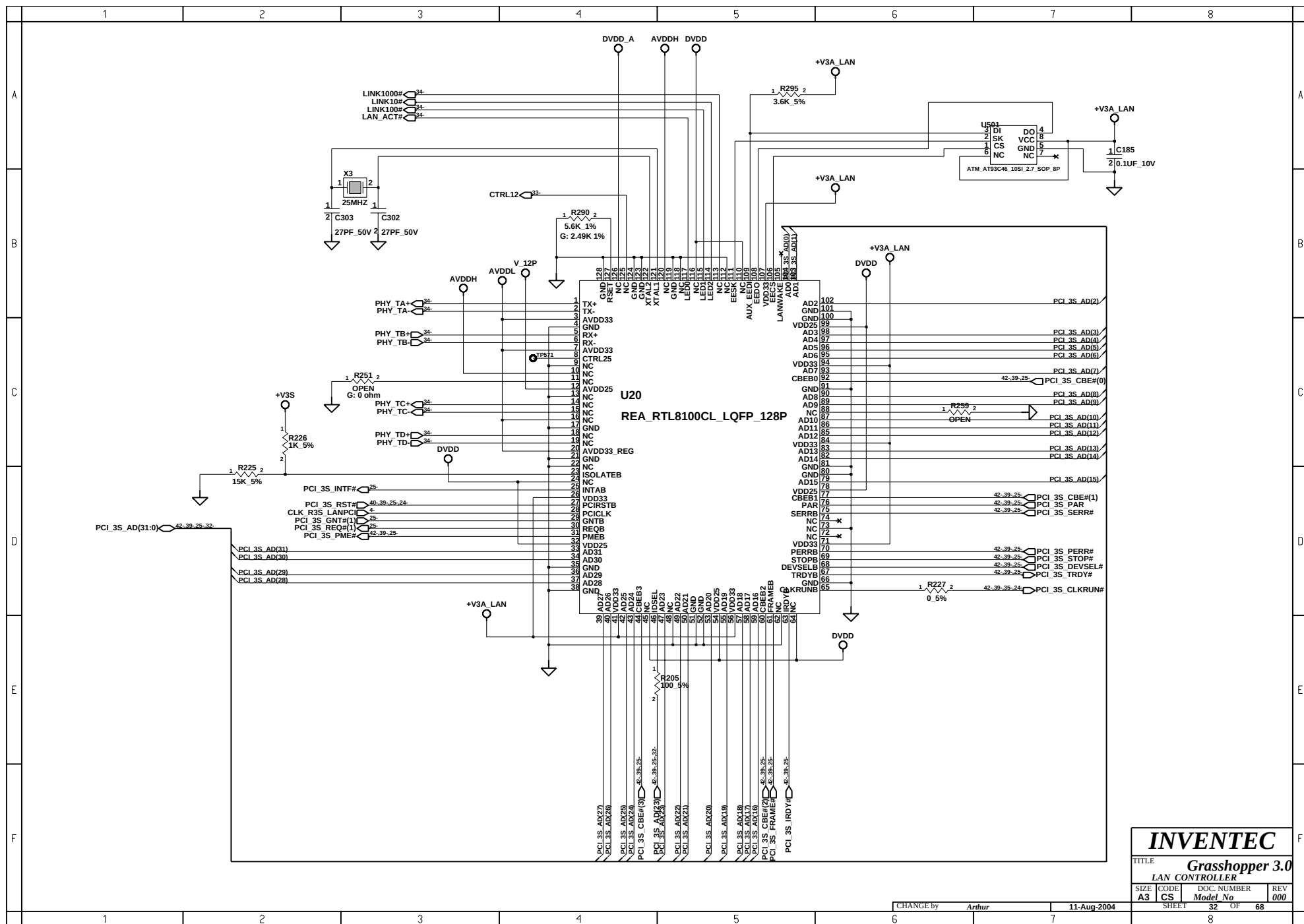


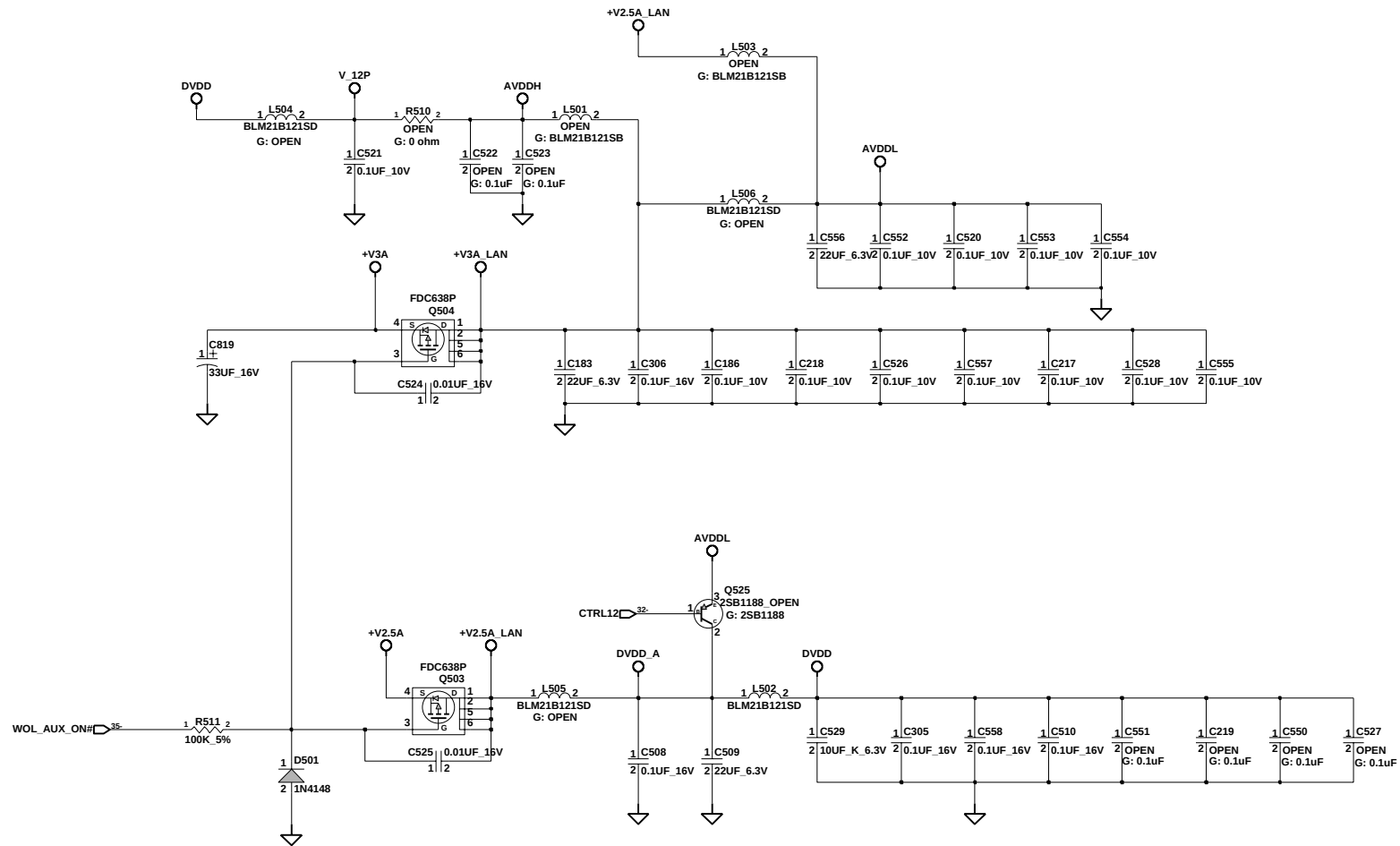
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TITLE Grasshopper 3.0			
HDD CONNECTOR			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	000
CHANGE by		21-Sep-2004	
SHEET		29	OF 68
		8	





INVENTEC			
TITLE Grasshopper 3.0			
USB_PORT & VOLUM BUTTON			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	000
CHANGE by		10-Jan-2005	
SHEET		31	OF 68





INVENTEC			
TITLE Grasshopper 3.0			
LAN POWER			
SIZE A3	CODE CS	DOC. NUMBER <i>Model No</i>	REV 000
SHEET 33 OF 68			

CHANGE by *Arthur* 17-Jun-2004

1 2 3 4 5 6 7 8

A

B

C

D

E

F

A

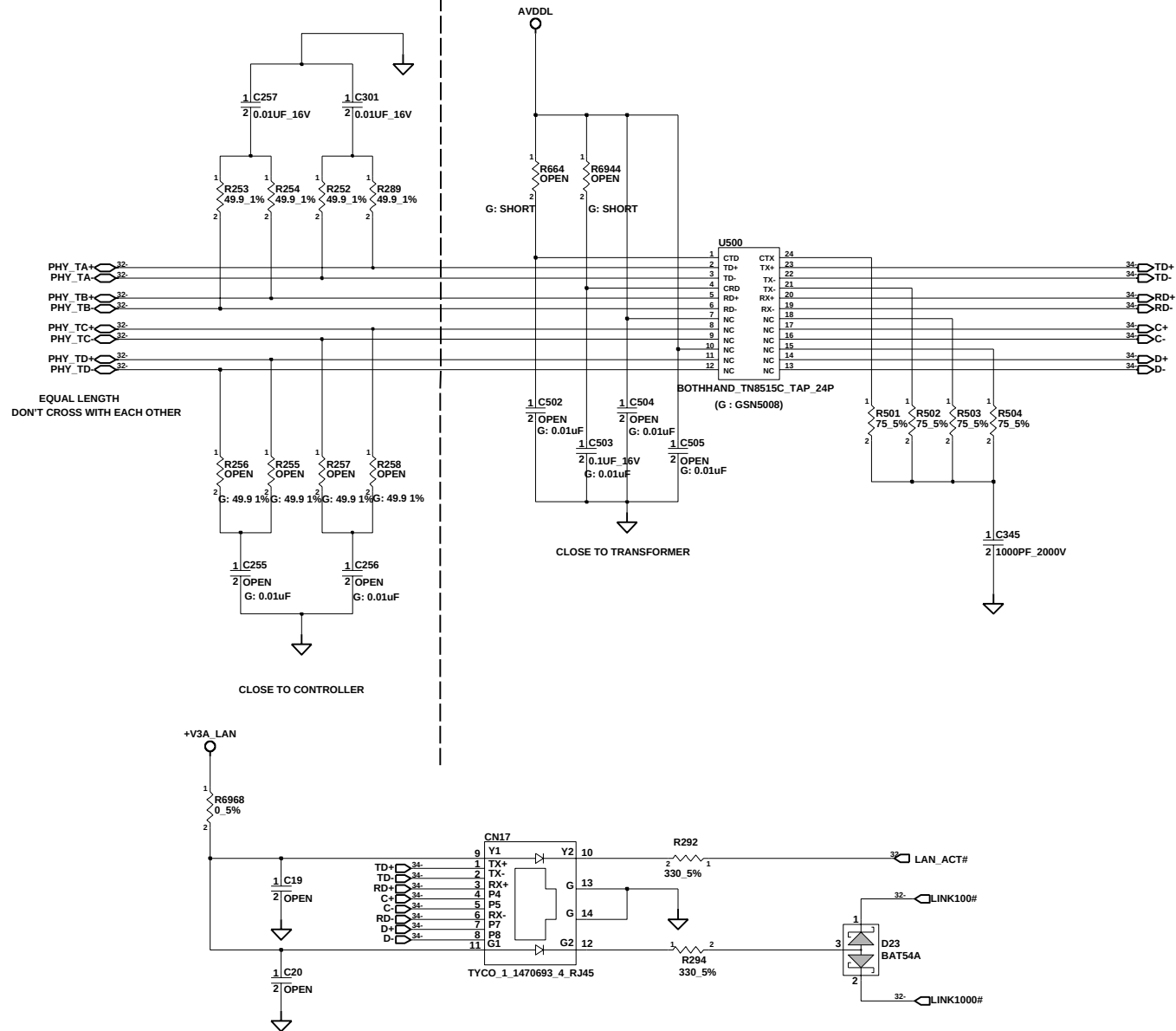
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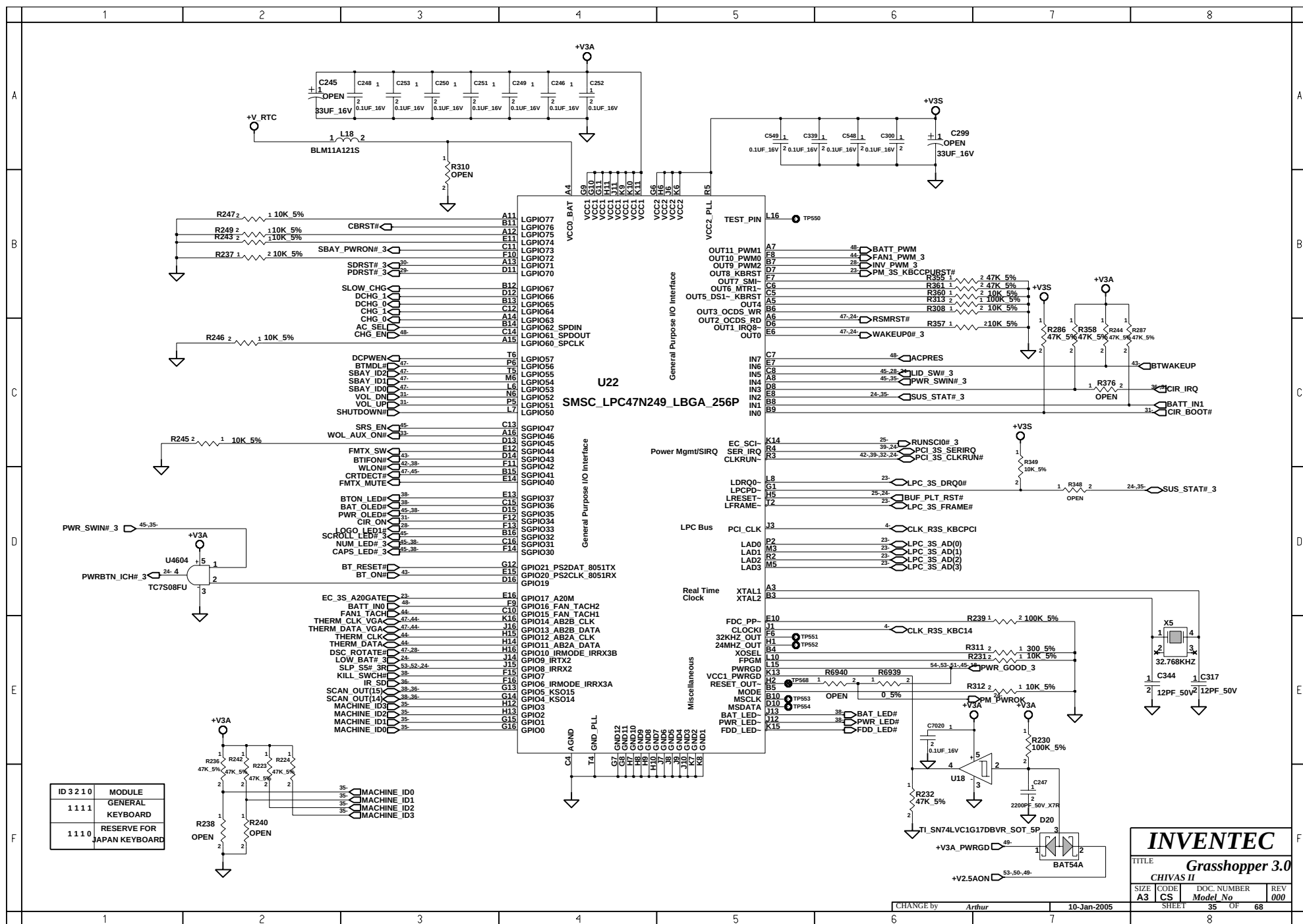
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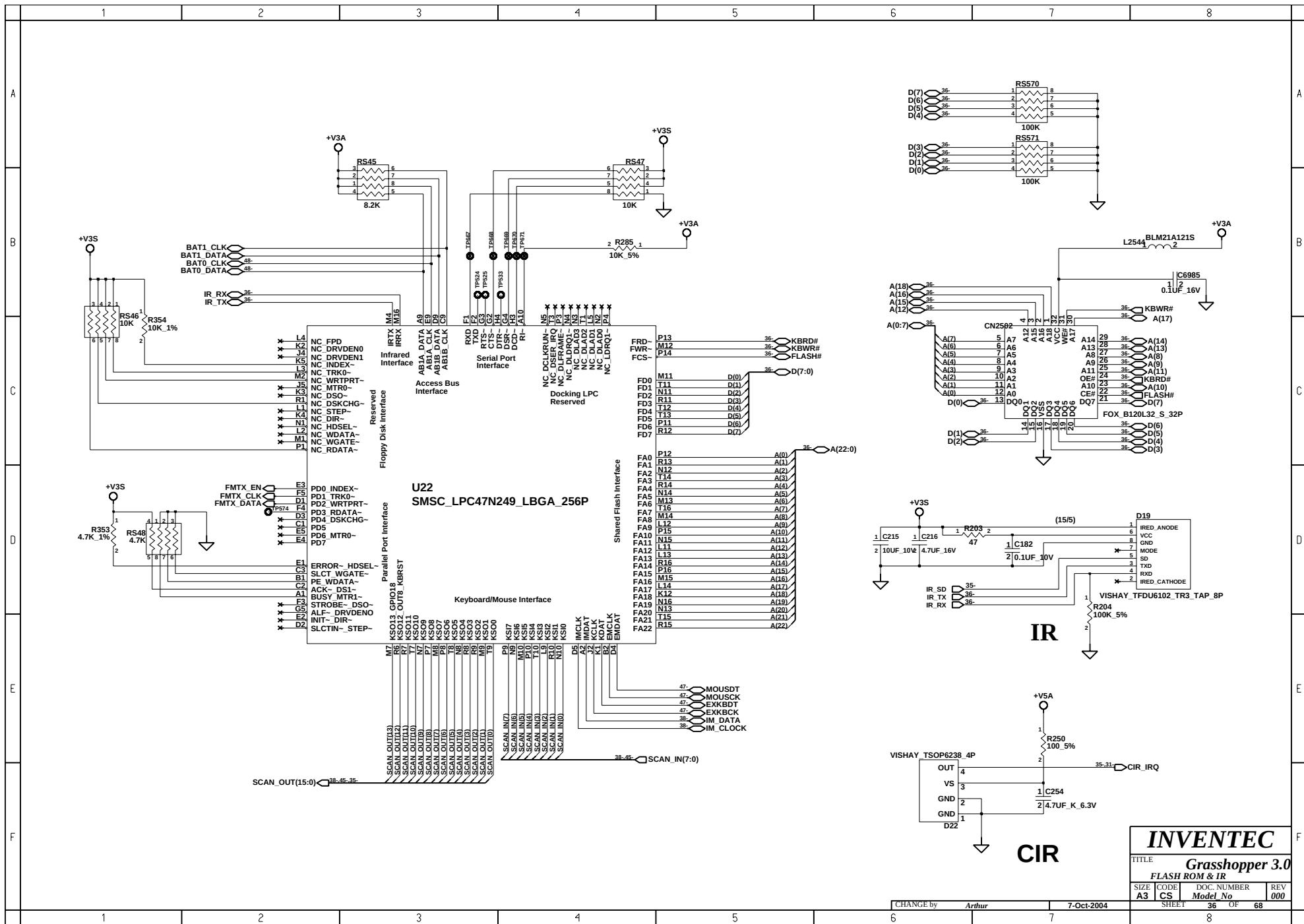
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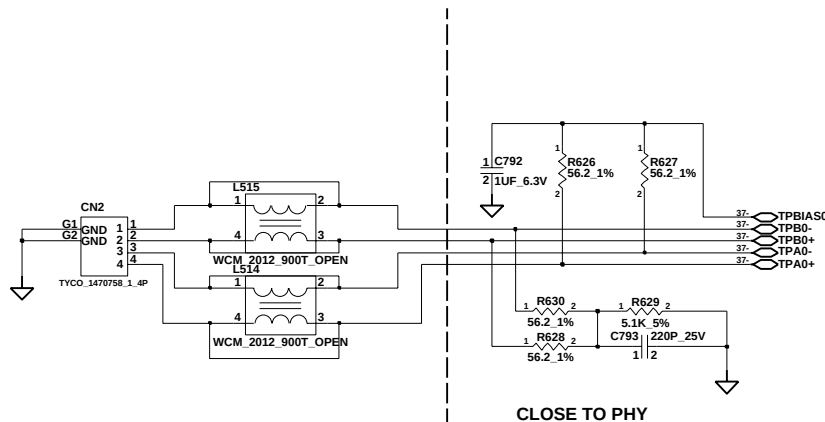
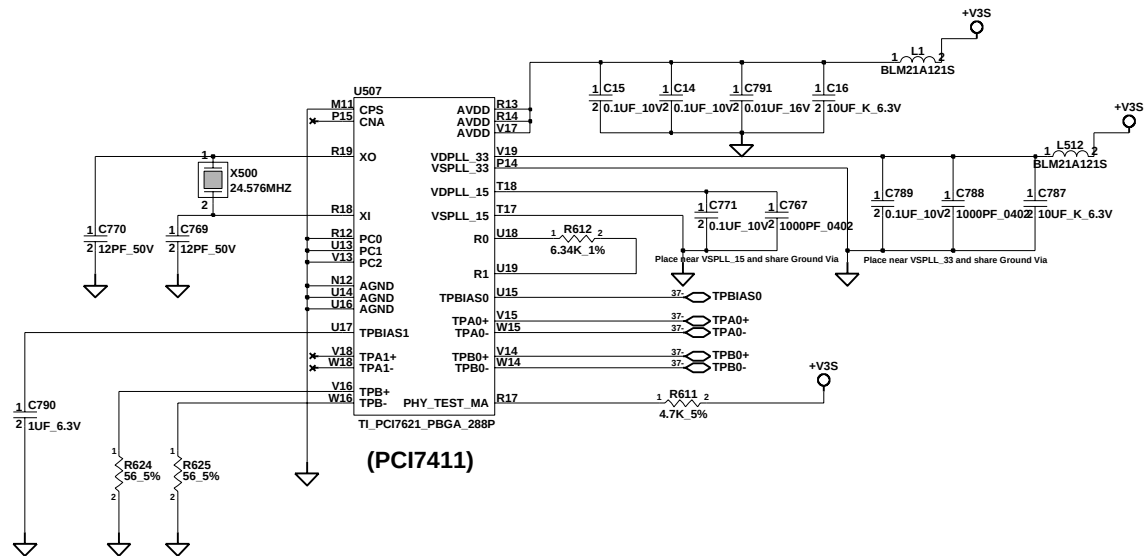
1 2 3 4 5 6 7 8

INVENTEC			
TITLE Grasshopper 3.0			
RJ45 CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	000
CHANGE by		23-Sep-2004	
SHEET		34	OF 68
		8	





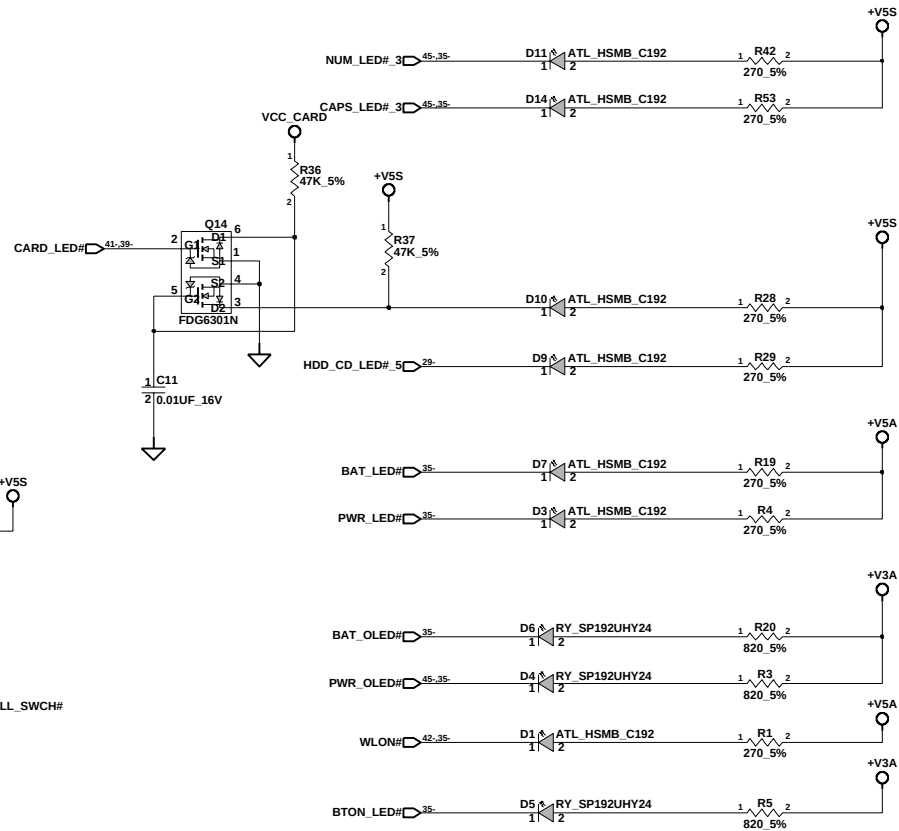
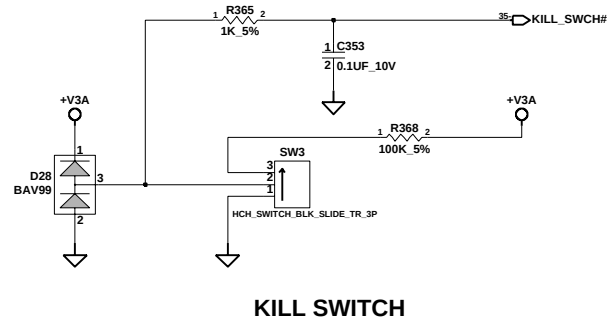
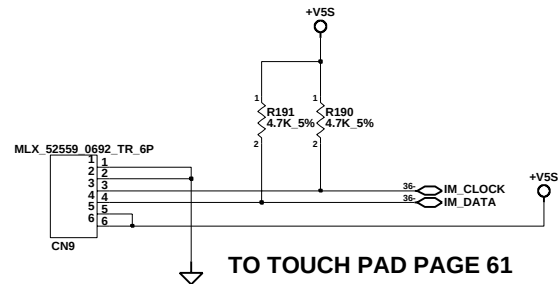
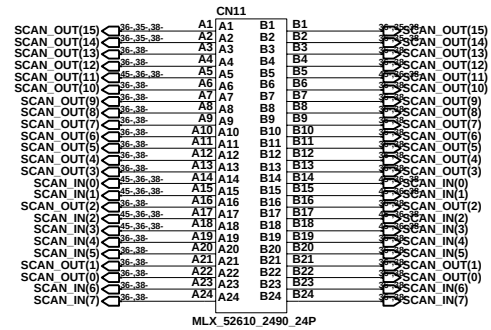
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FLASH ROM & IR			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	000



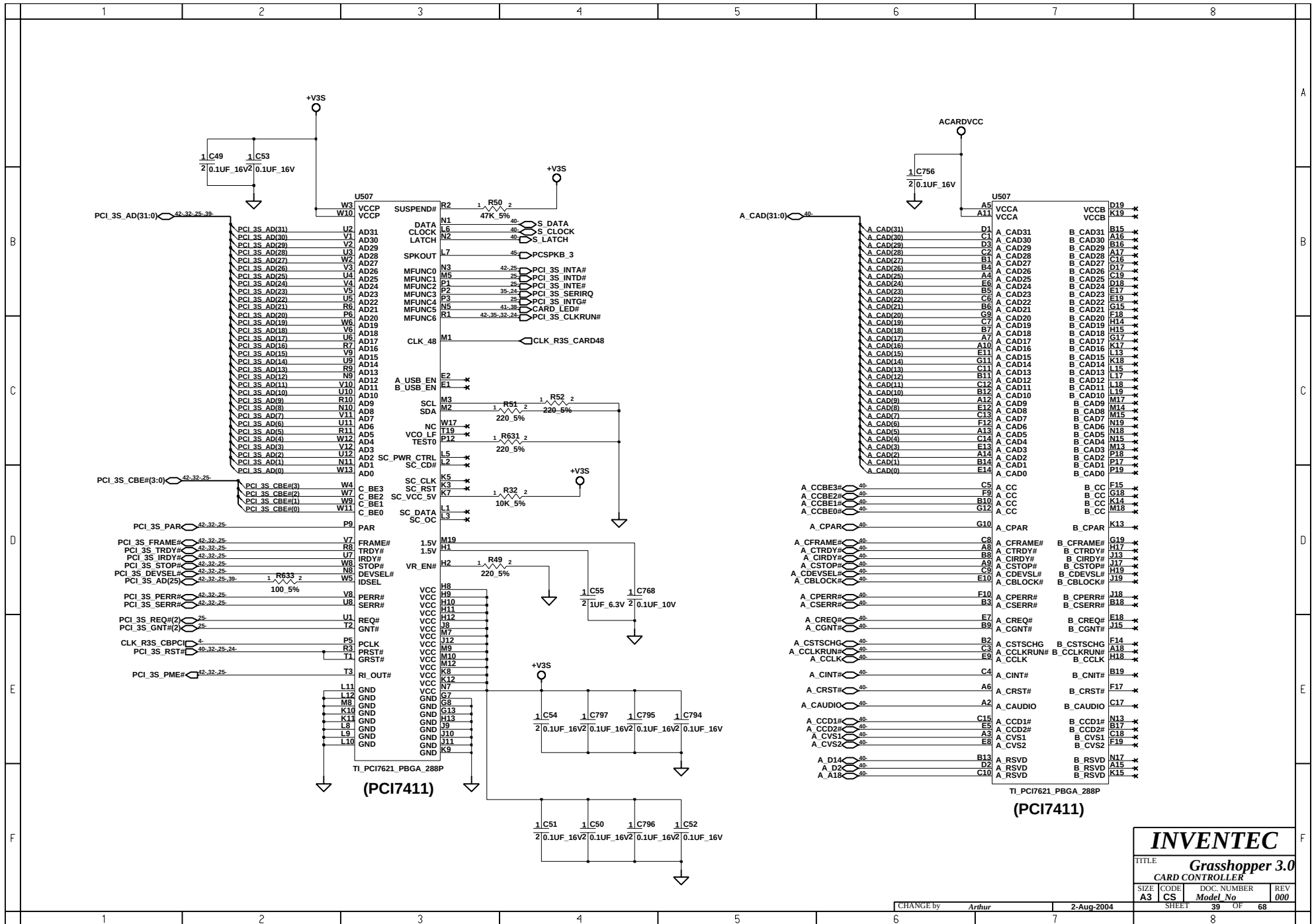
CLOSE TO PHY

INVENTEC			
TITLE Grasshopper 3.0			
1394 CONTROLLER			
SIZE A3	CODE CS	DOC. NUMBER	REV 000
SHEET 37 OF 68		Model No	

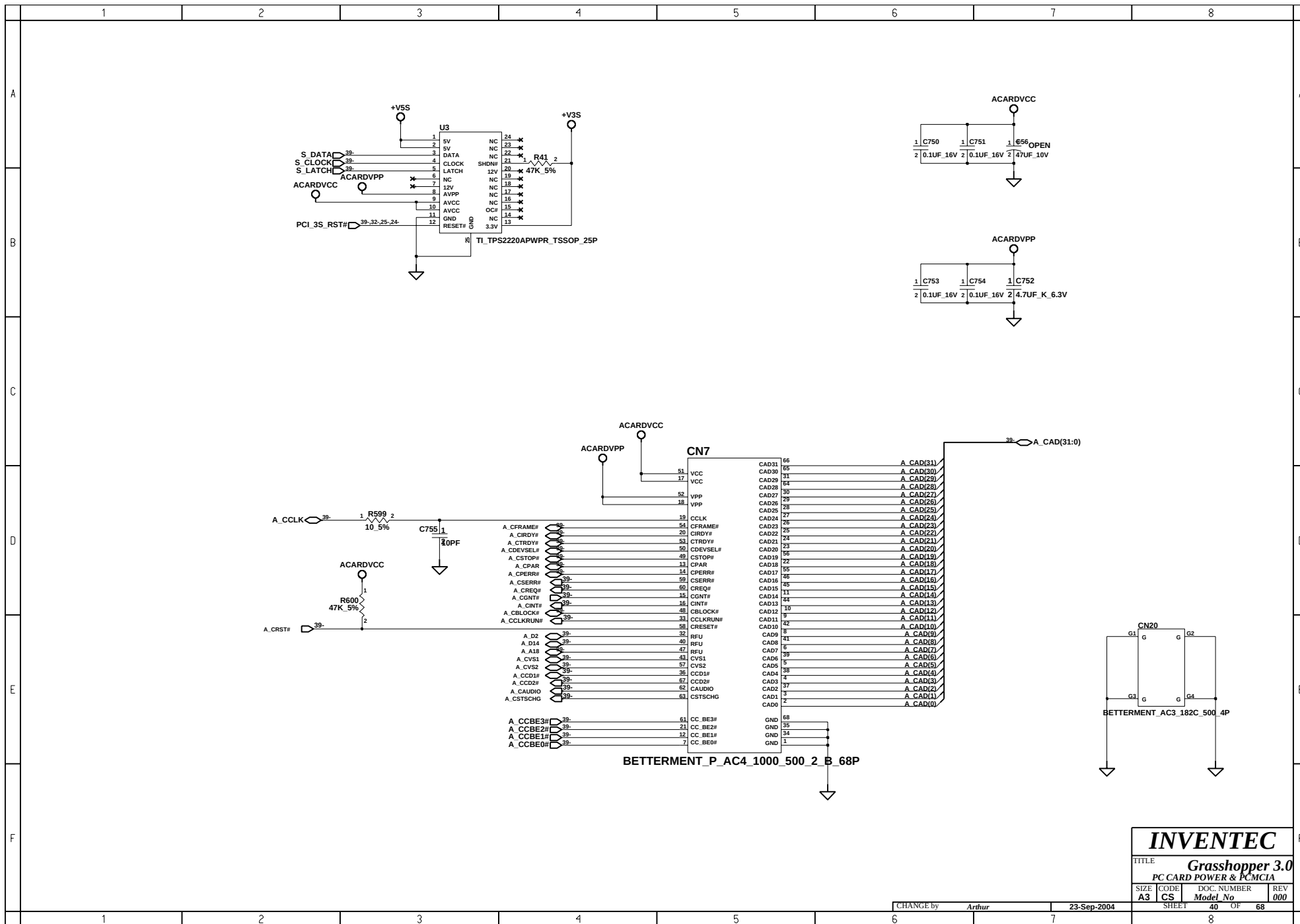
CHANGE by **Arthur** 2-Aug-2004

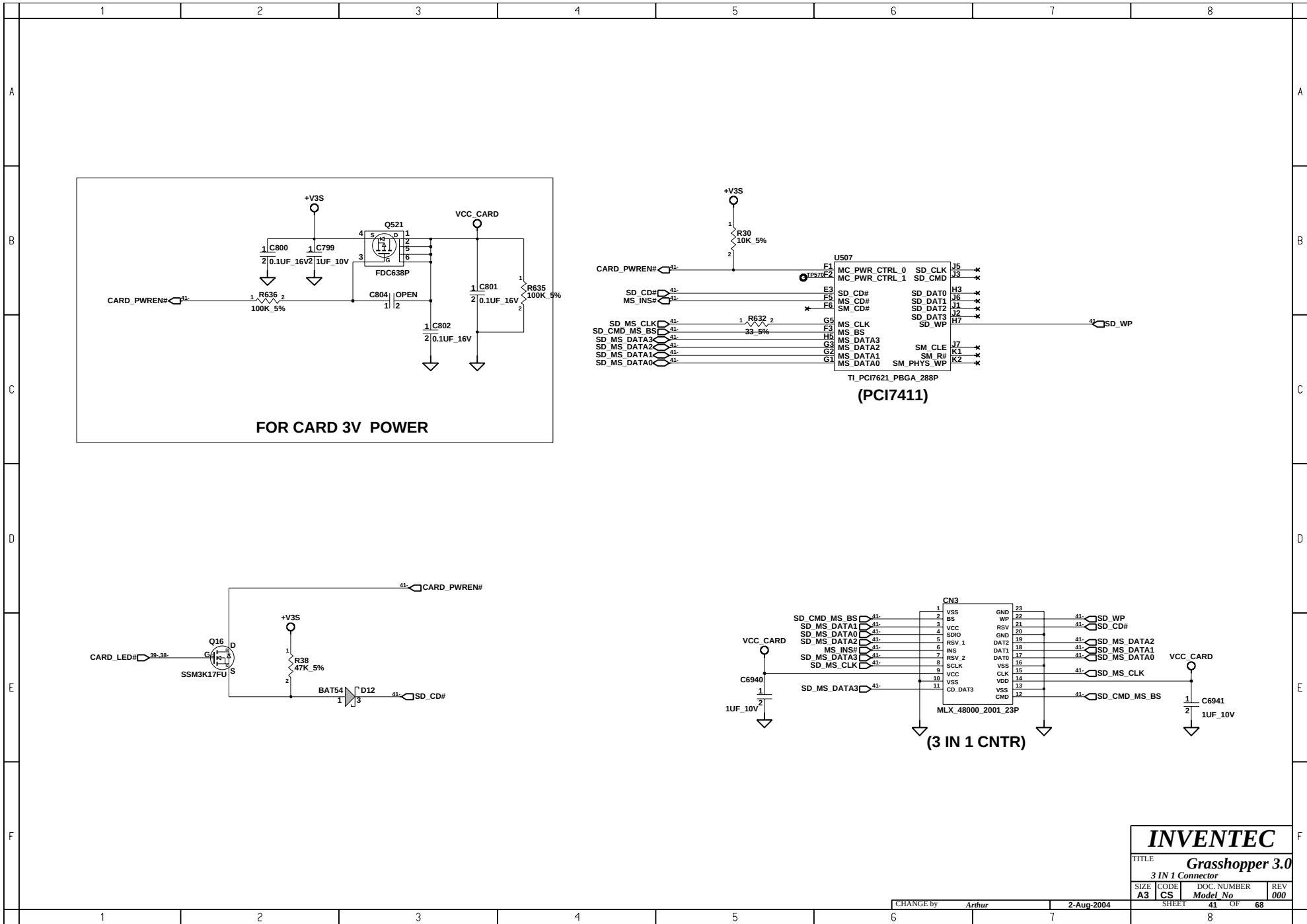


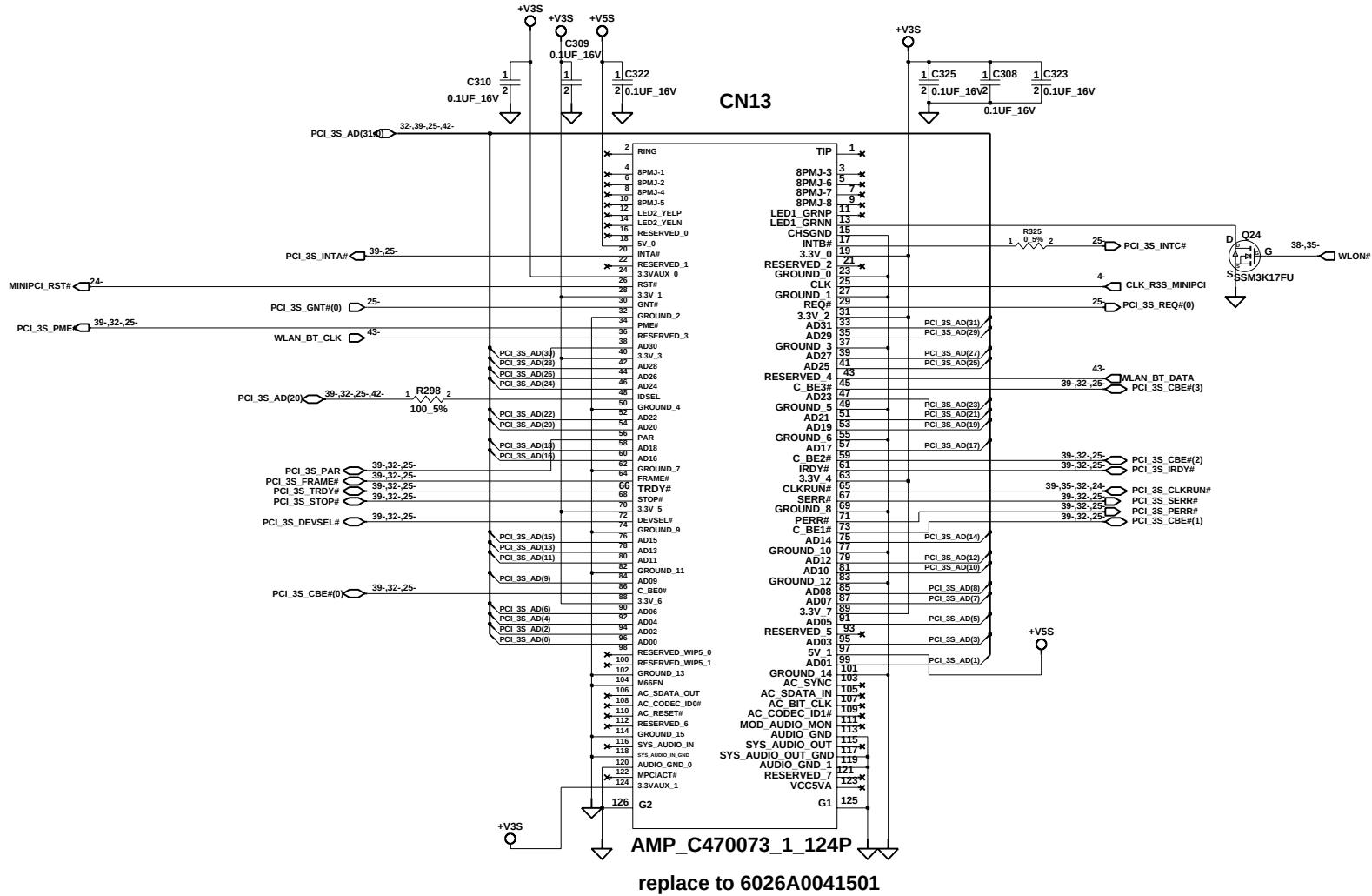
INVENTEC			
TITLE Grasshopper 3.0			
KB I/F & TOUCH PAD & LED			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	000
CHANGE by		2-Aug-2004	
SHEET		38	OF 68



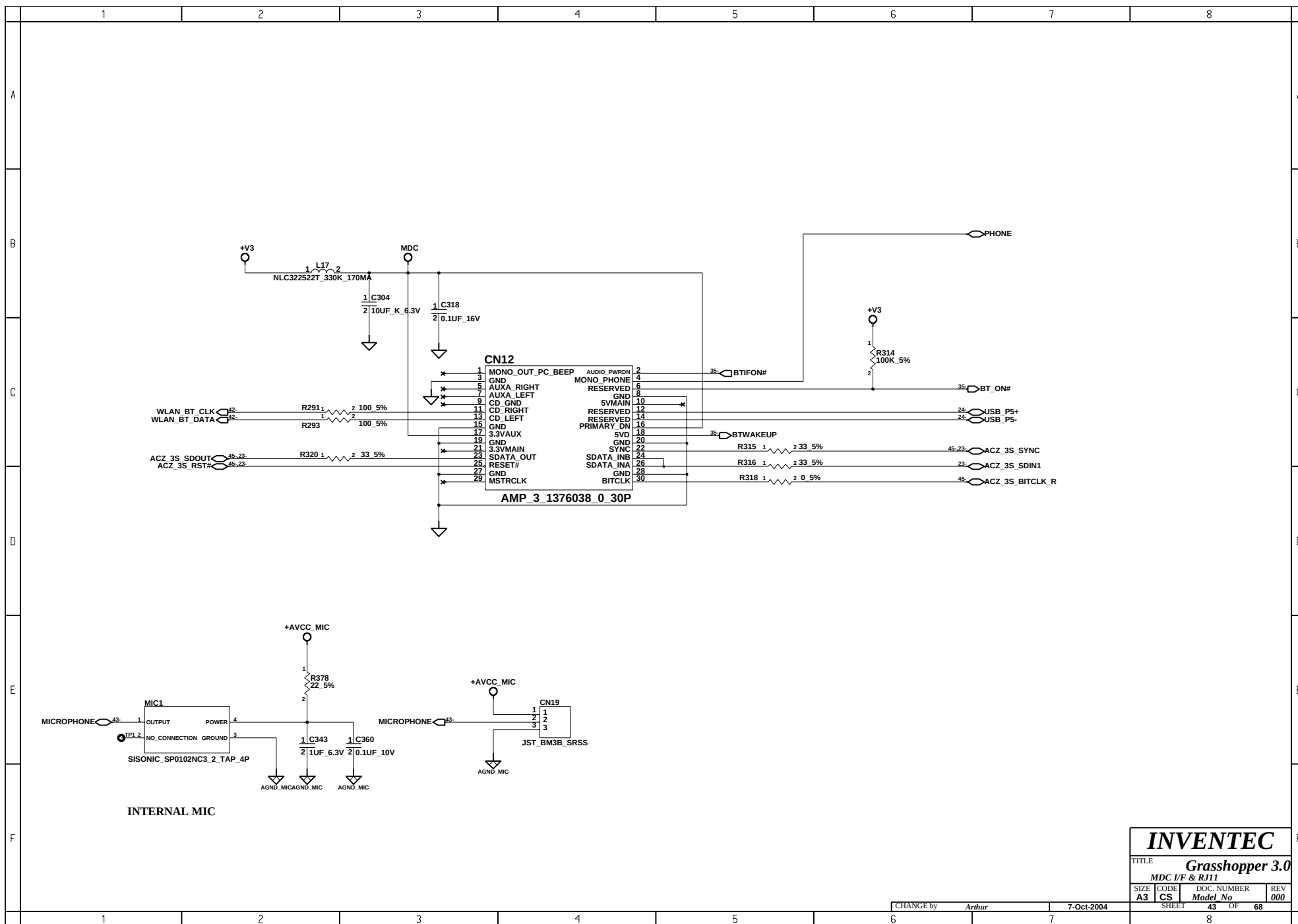
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TITLE Grasshopper 3.0			
CARD CONTROLLER			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV 000

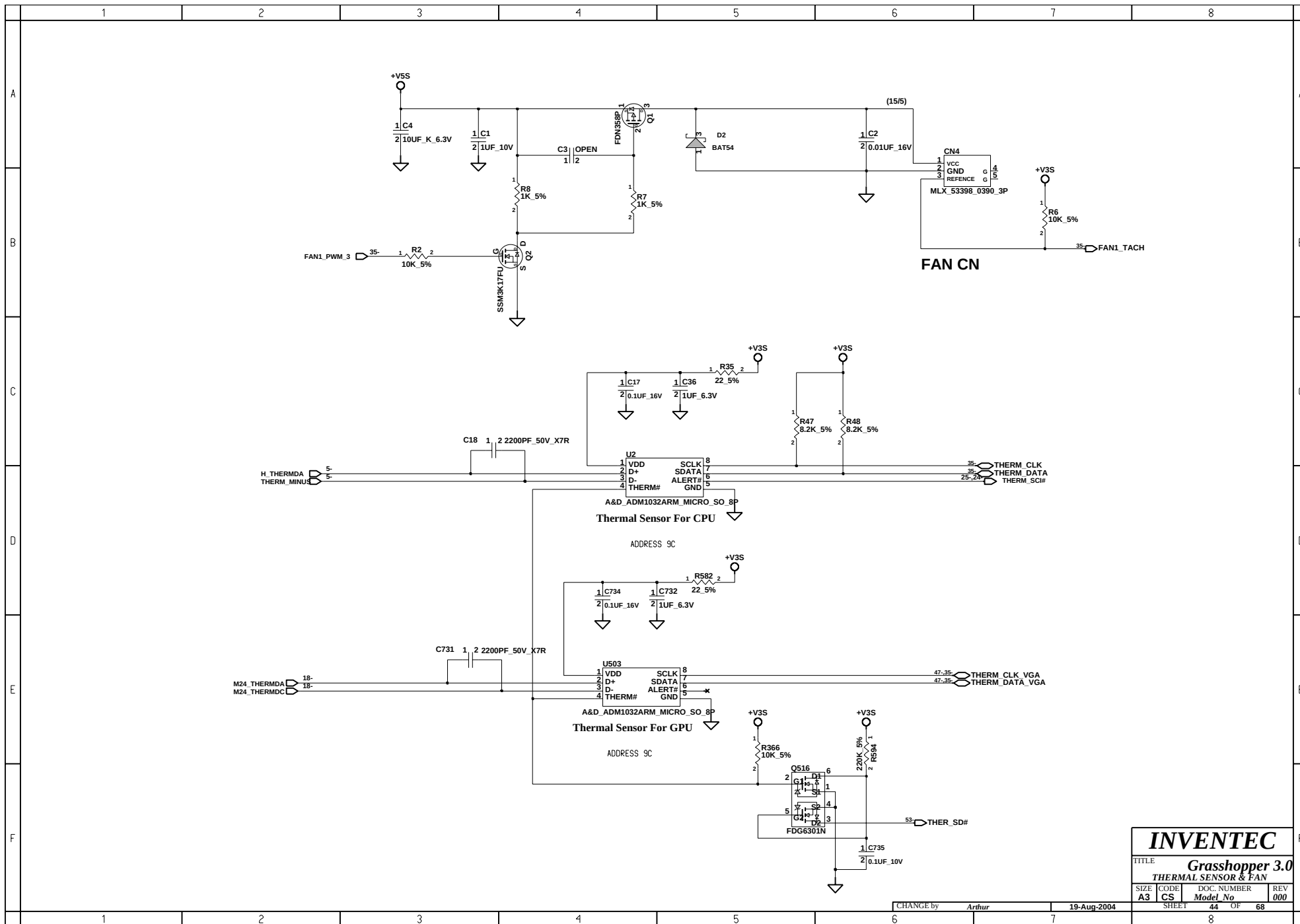






INVENTEC			
Grasshopper 3.0			
MINI PCI			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	000
CHANGE by		22-Jun-2004	
SHEET		42	OF 68

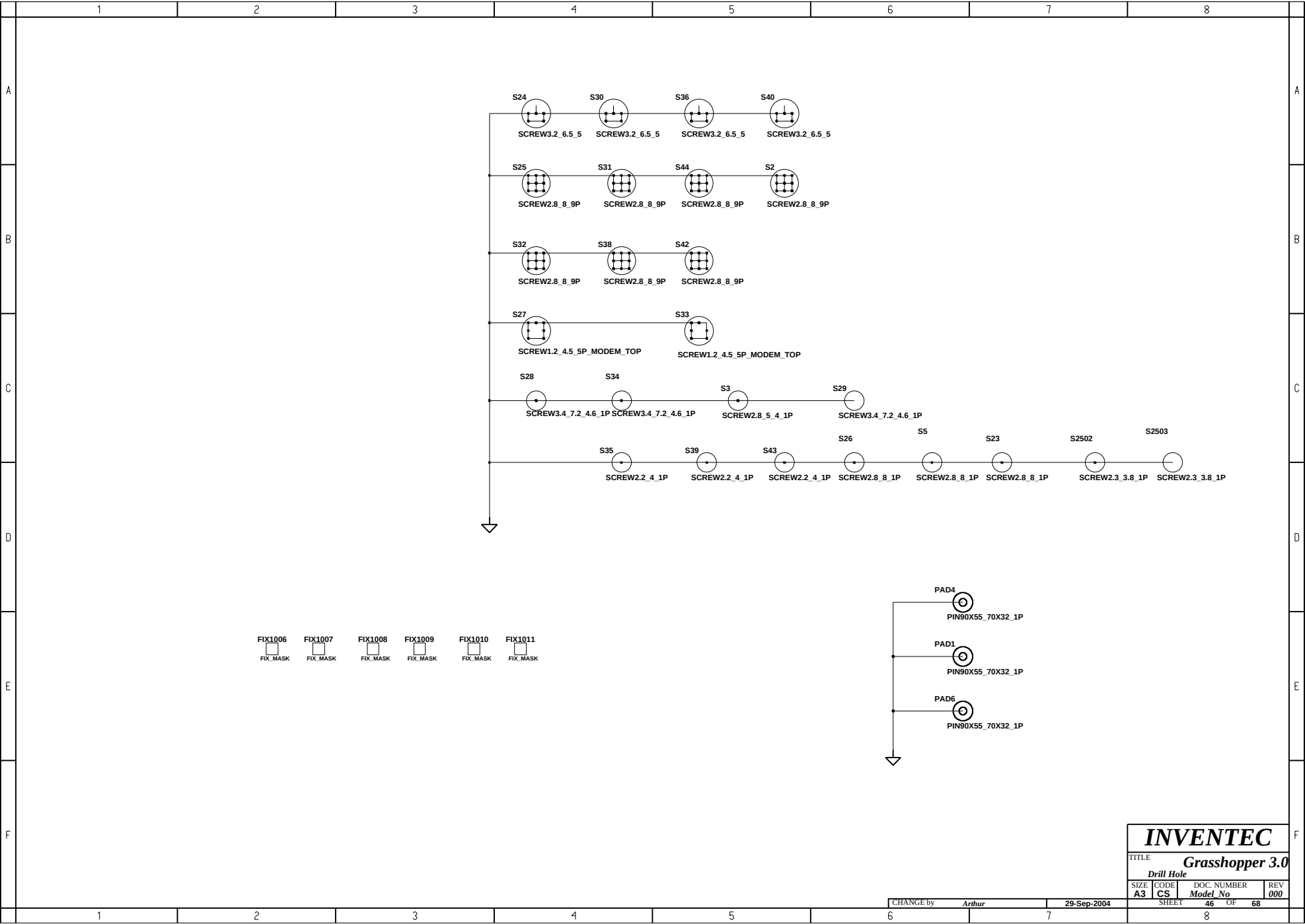




TO AUDIO BOARD PAGE 67

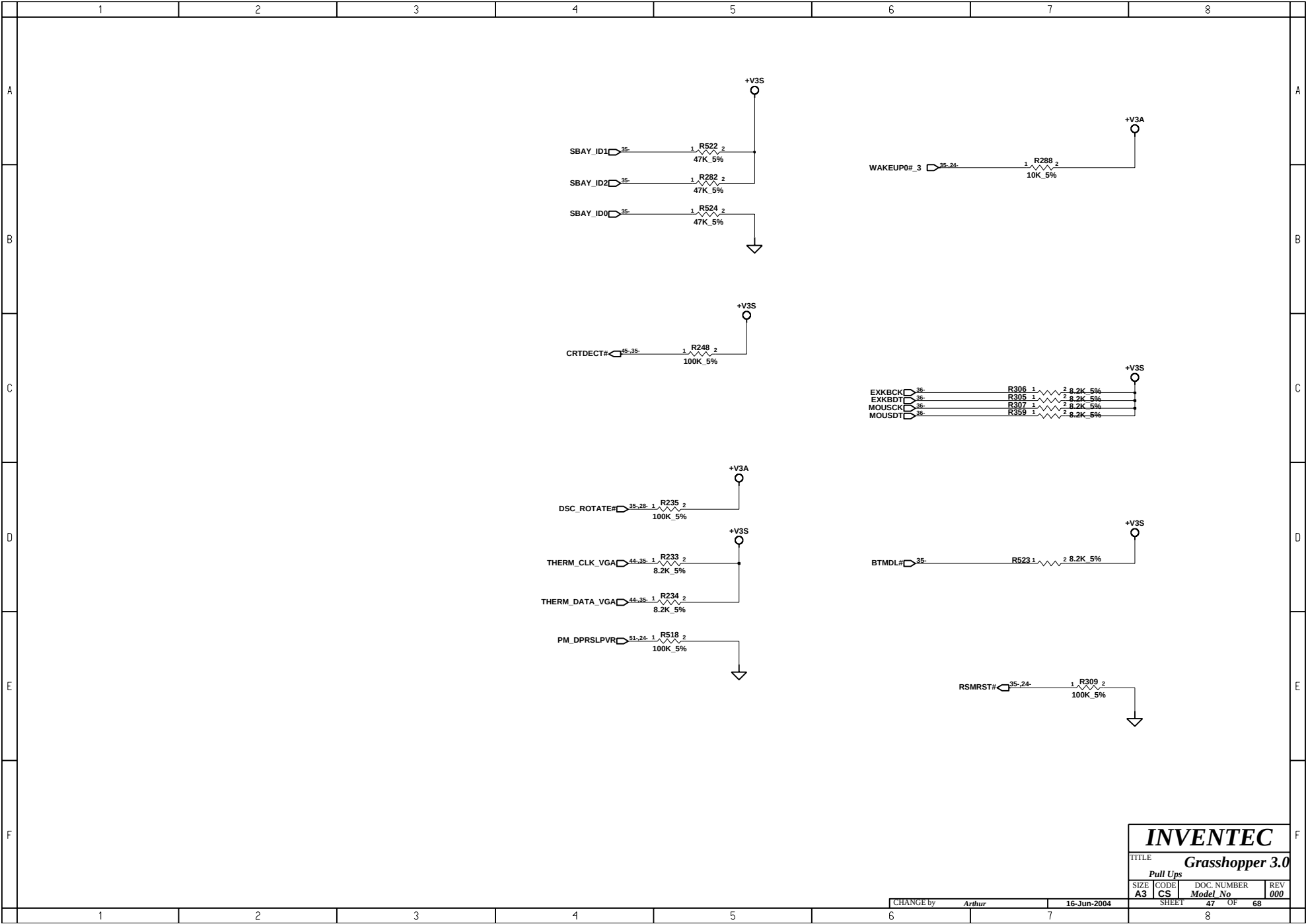
TO IO BOARD PAGE 60

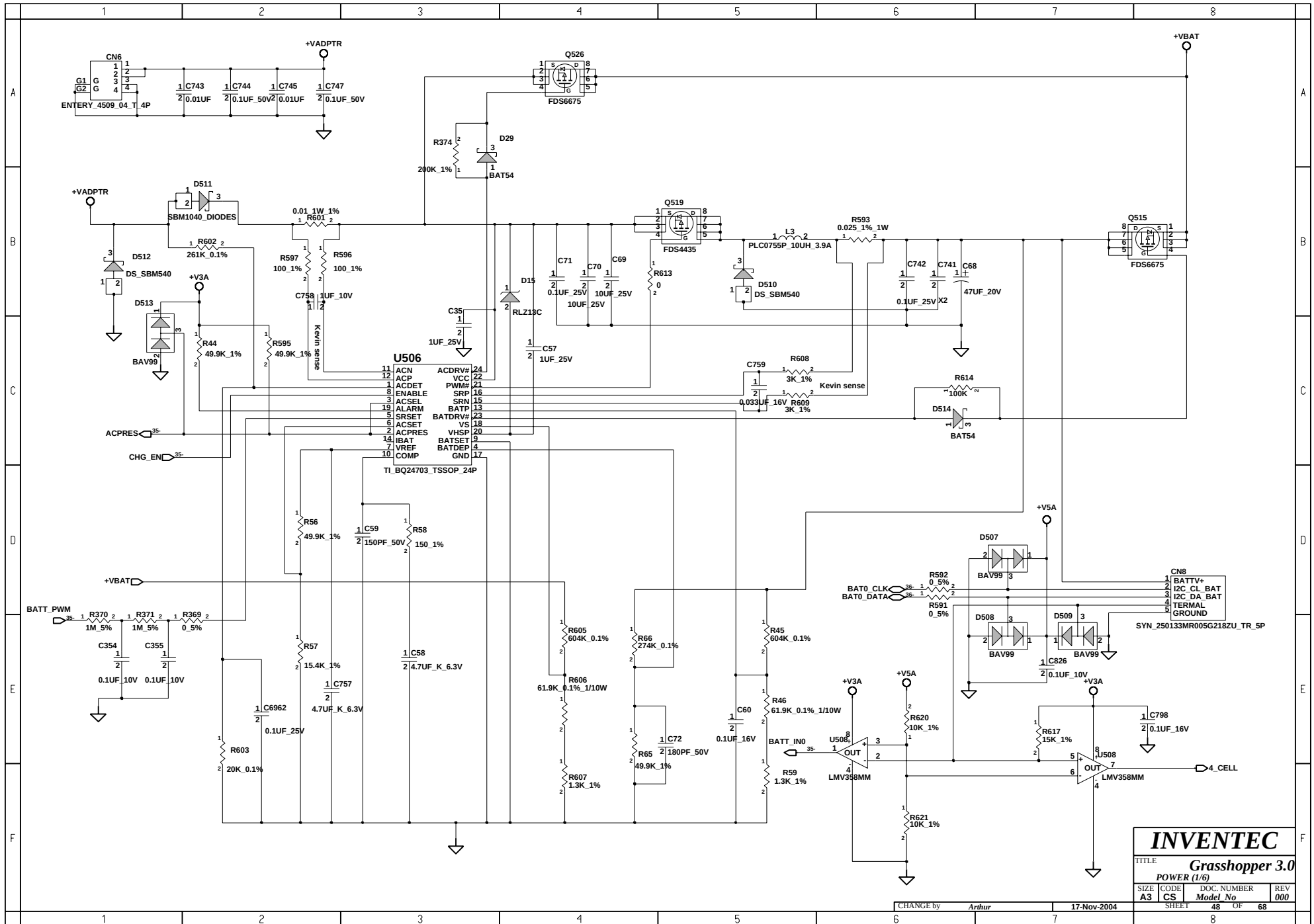
INVENTEC			
TITLE Grasshopper 3.0			
CAPS & I/O BOARD-C			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	000
CHANGE by		14-Jan-2005	
SHEET		45	OF 68
		8	

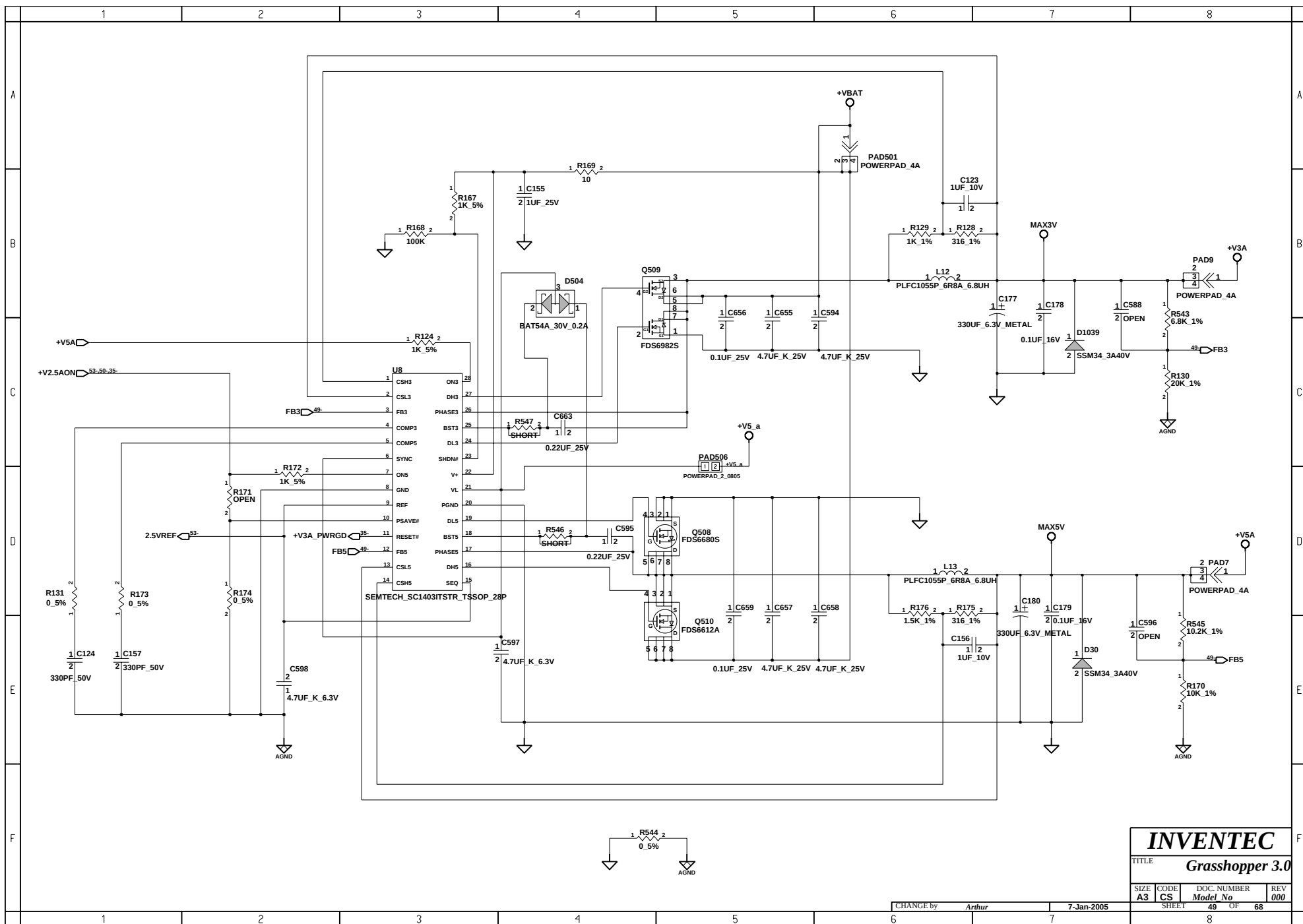


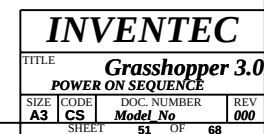
INVENTEC			
TITLE <i>Grasshopper 3.0</i>			
Drill Hole			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	000
SHEET		46	OF 68

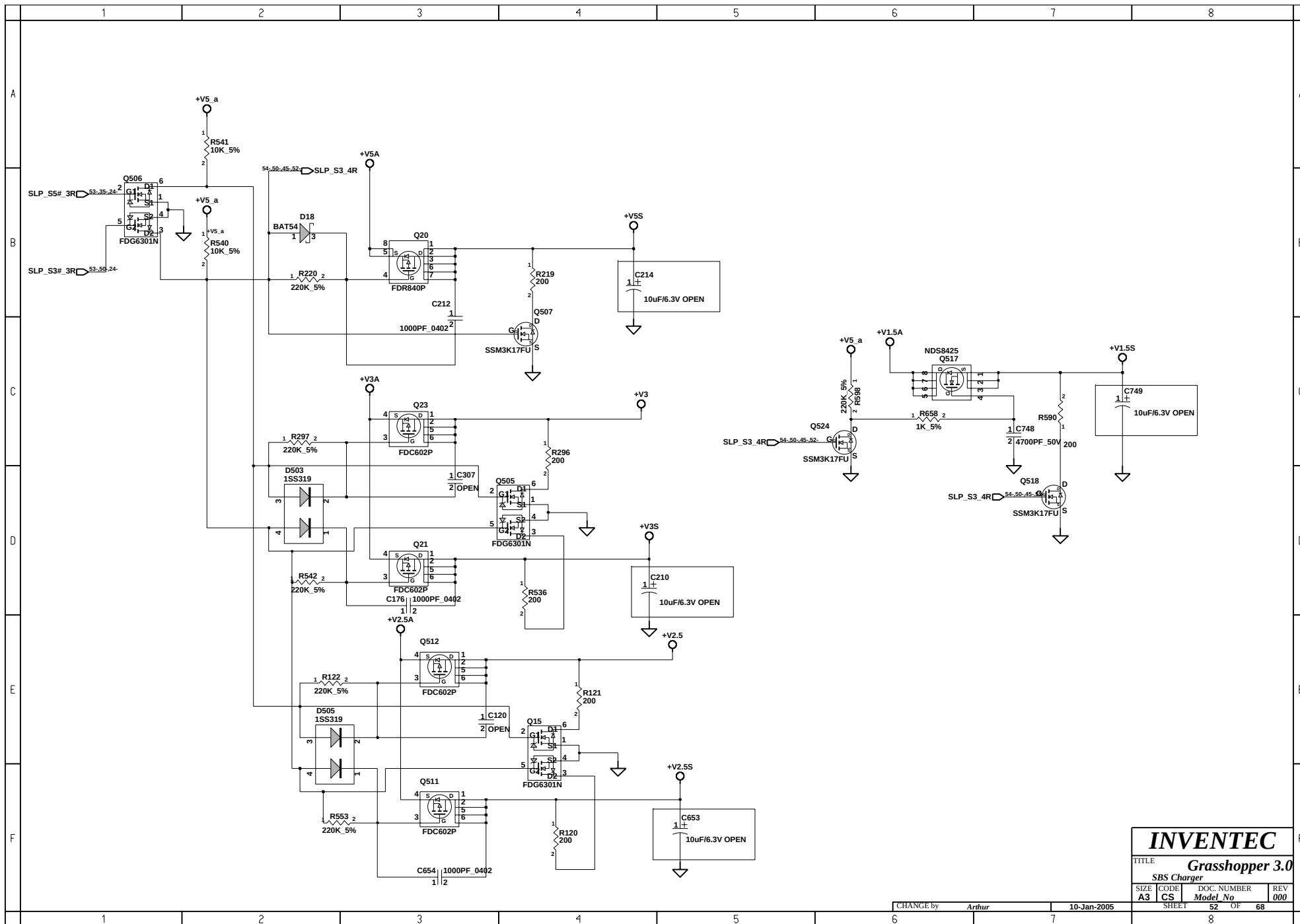
CHANGE by Arthur 29-Sep-2004



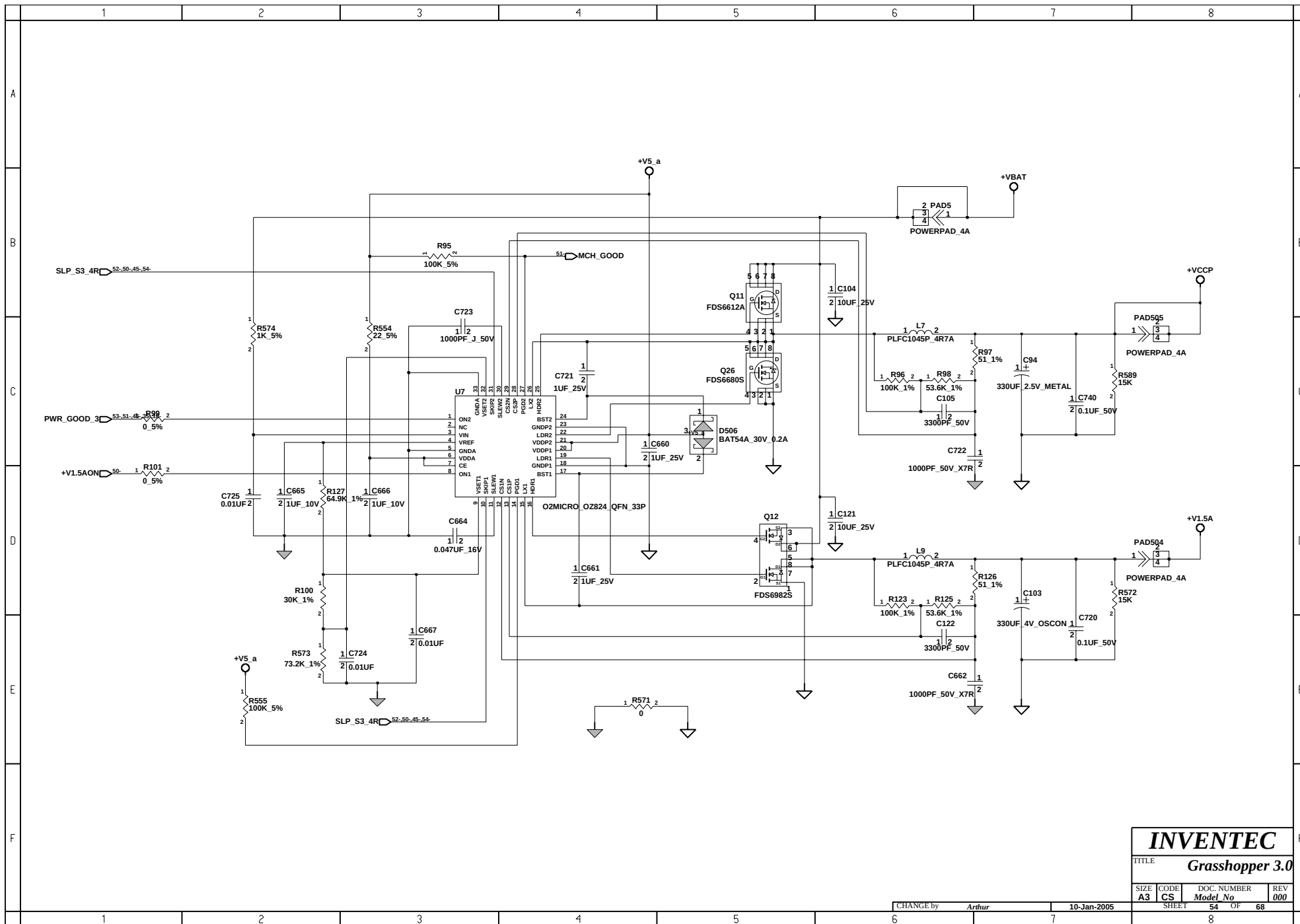






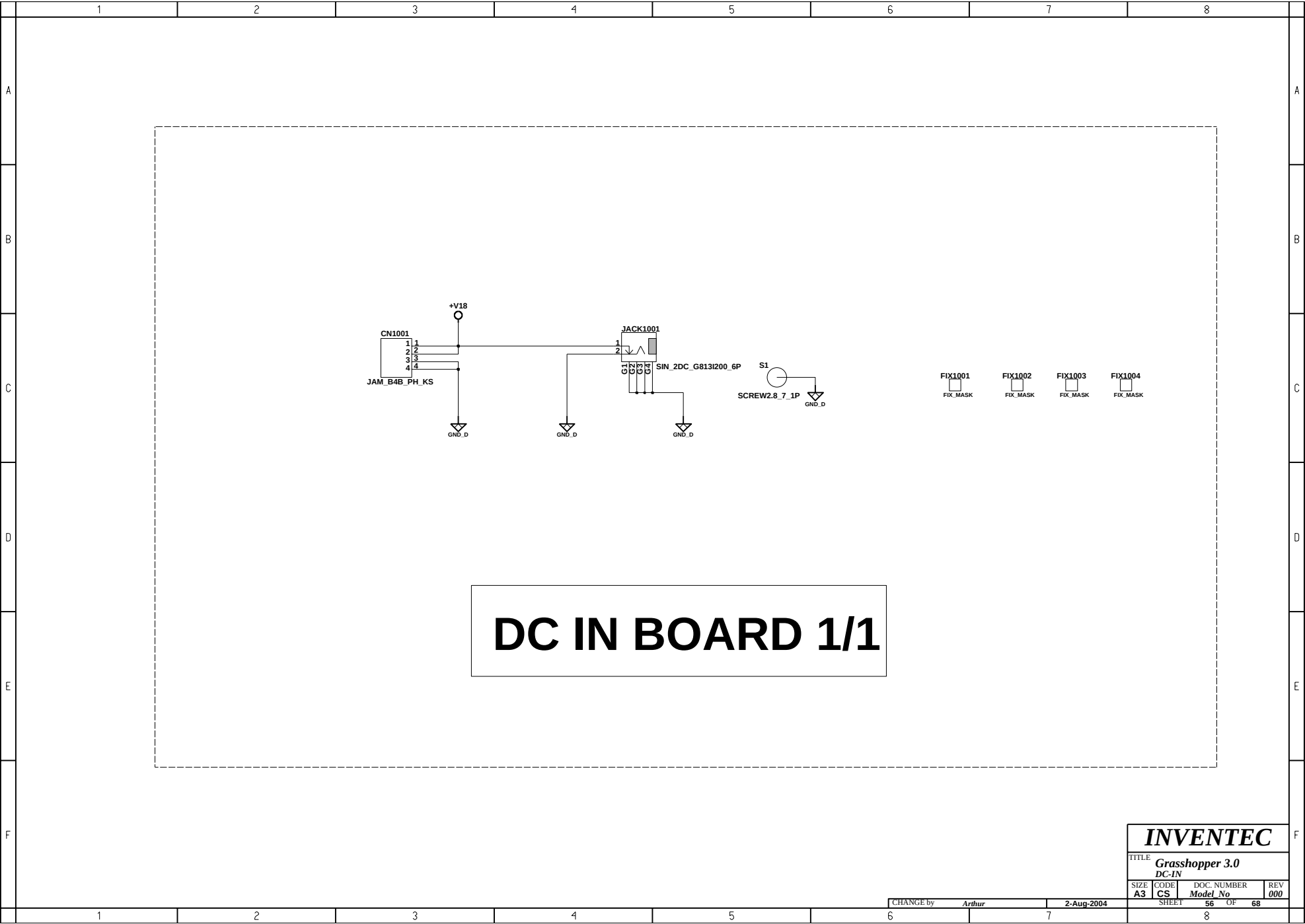


INVENTEC			
TITLE Grasshopper 3.0			
SBS Charger			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	000
CHANGE by		10-Jan-2005	
SHEET		52	OF 68



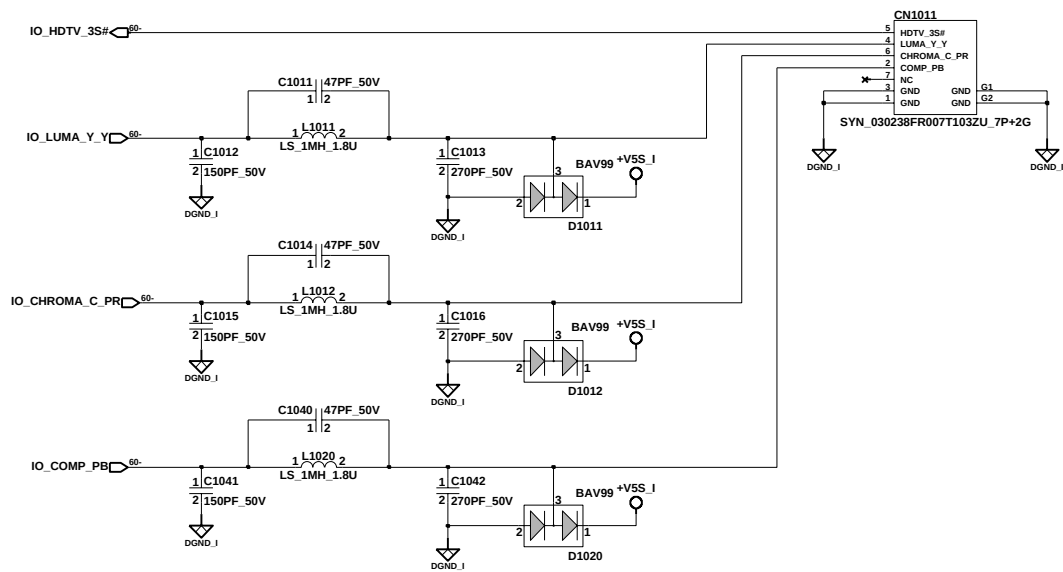
	1	2	3	4	5	6	7	8	
A									A
B									B
C									C
D									D
E									E
F									F
						CHANGE by <i>Arthur</i>		3-Jun-2004	
1	2	3	4	5	6	7	8		

INVENTEC			
TITLE <i>Grasshopper 3.0</i>			
SIZE A3	CODE CS	DOC. NUMBER <i>Model No</i>	REV <i>000</i>
SHEET 55		OF 68	



INVENTEC			
TITLE Grasshopper 3.0 DC-IN			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV 000
SHEET 56 OF 68			

CHANGE by Arthur 2-Aug-2004

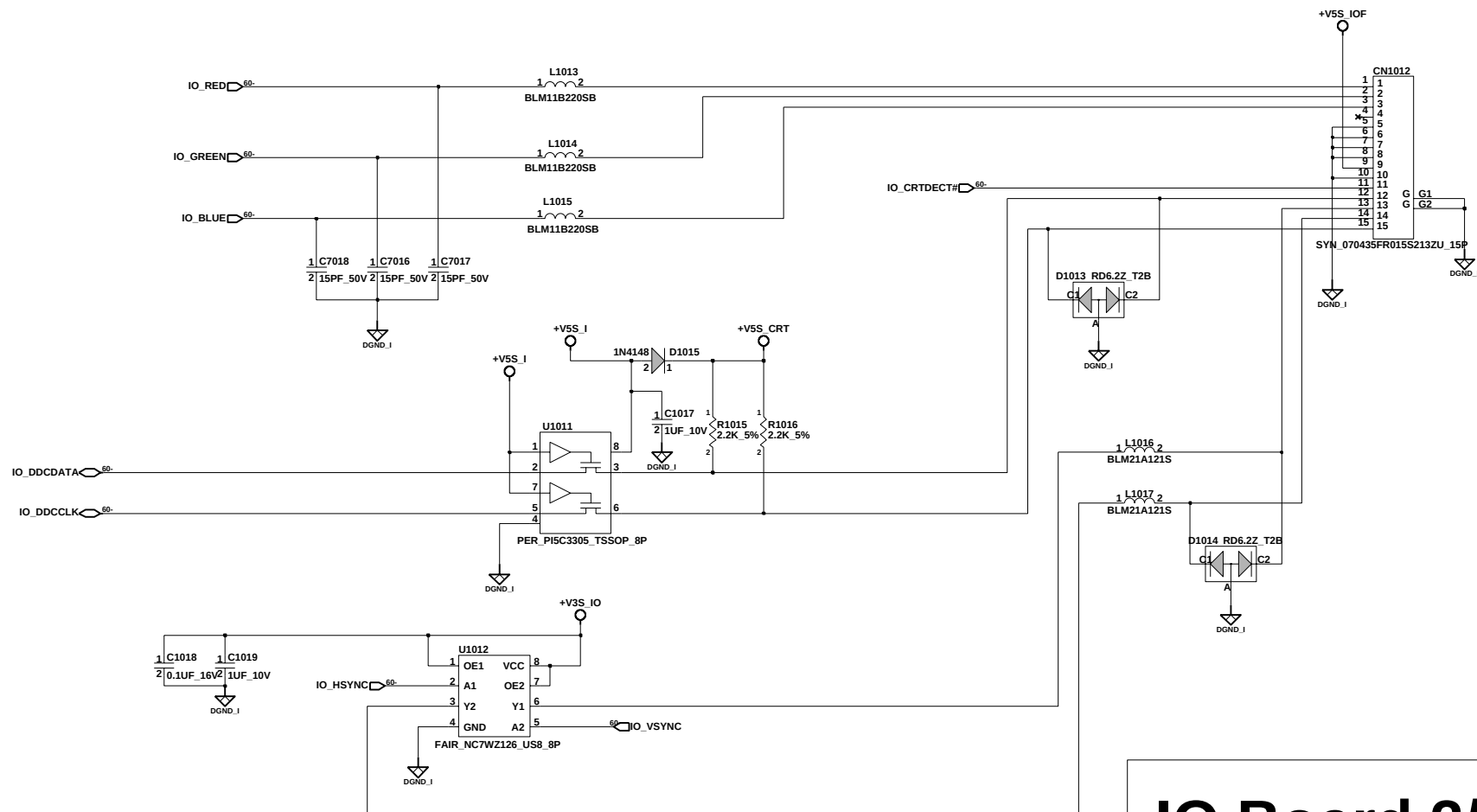


IO BOARD 1/4

INVENTEC

TITLE			
Grasshopper 3.0			
IO BOARD			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	000
SHEET		57	OF 68

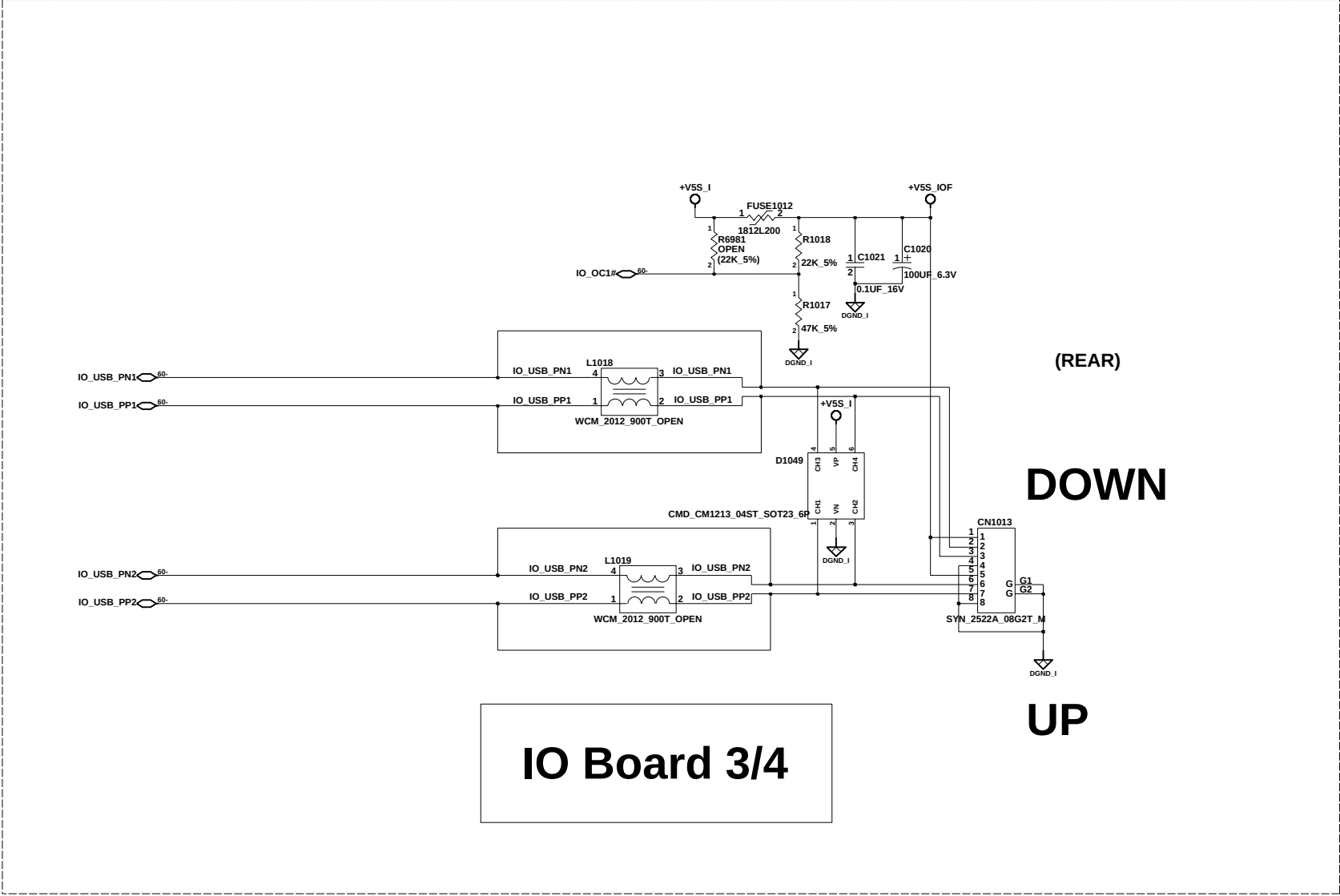
CHANGE by Arthur 20-Aug-2004



IO Board 2/4

INVENTEC

TITLE			
Grasshopper 3.0			
CRT INTERFACE			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	000
CHANGE by		14-Jan-2005	
SHEET		58	OF 68



IO Board 3/4

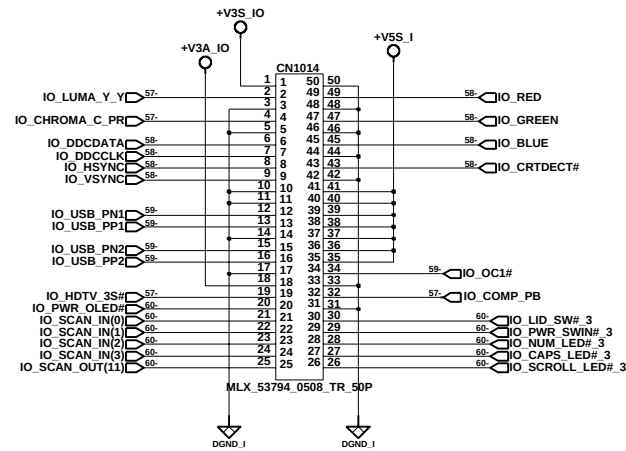
INVENTEC

TITLE
**Grasshopper 3.0
USB_PORT**

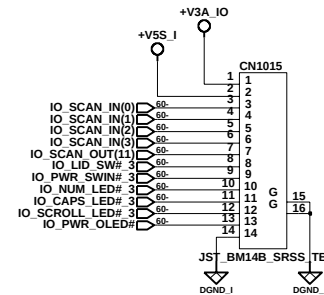
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	000

CHANGE by	10-Jan-2005
Arthur	59 OF 68

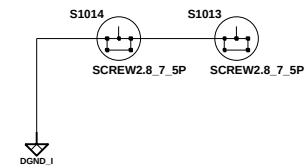
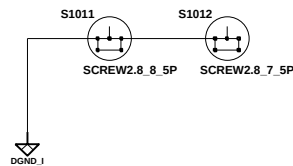
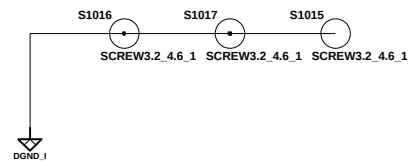
SHEET	59	OF	68
	8		



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TO HOTKEY/B PAGE 64

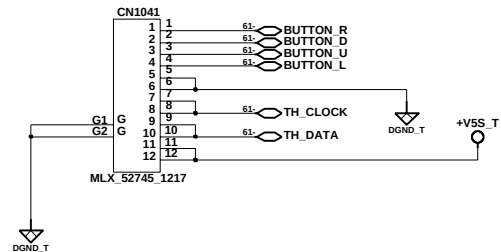


IO BOARD 4/4

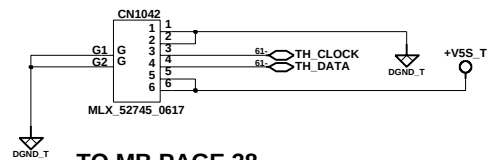
INVENTEC

TITLE			
Grasshopper 3.0 I/O BOARD CONNECTOR			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	000
SHEET		60	OF 68

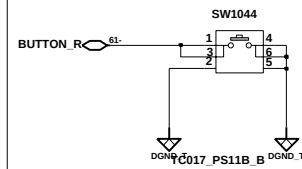
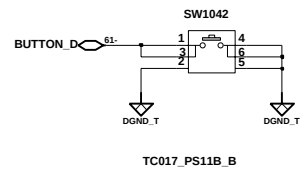
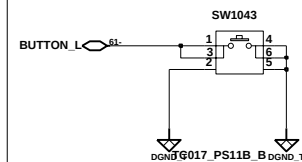
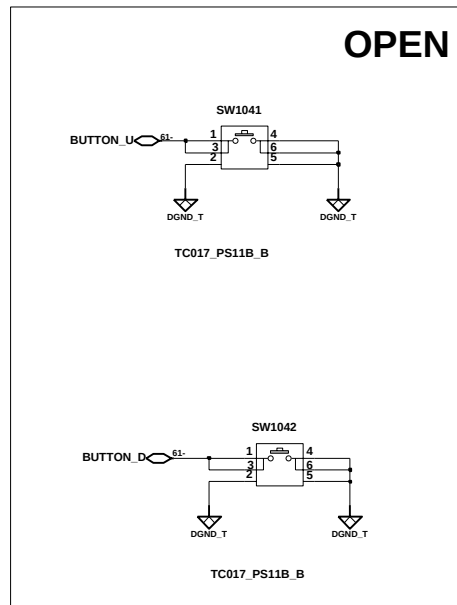
CHANGE by Arthur 14-Jan-2005



TO TOUCH PAD



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TOUCH PAD BUTTON BOARD 1/1

INVENTEC			
TITLE			
Grasshopper 3.0			
TOUCH PAD			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	000
SHEET		61	OF 68

CHANGE by Arthur 20-Aug-2004

