

D3_HISUI-5W LOGIC SCHEMATICS (NV)

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- 4: CPU(2/3)
- 5: CPU(3/3)
- 6: ITP CON/LARGE PTH HOLE/EMI FINGER
- 7: CRESTLINE(1/7) : HOST I/F
- 8: CRESTLINE(2/7) : DDR2-A
- 9: CRESTLINE(3/7) : DDR2-B
- 10: CRESTLINE(4/7) : PEG/DMI
- 11: CRESTLINE(5/7) : GRAPHICS
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- 13: CRESTLINE(7/7) : GND
- 14: POWER FOR CRESTLINE
- 15: DDR2 SODIMM-A
- 16: DDR2 SODIMM-B
- 17: DDR2 TERMINATION
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- 19: CLOCK GEN(ICS954309)
- 20: NV NB8P-GL(1/6) : PEG I/F
- 21: NV NB8P-GL(2/6) : LVDS/CRT/TV/TMDS
- 22: NV NB8P-GL(3/6) : VRAM I/F
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- 25: NV NB8P-GL(6/6) : GND
- 26: DYNAMIC MEMORY TERMINATION
- 27: VRAM FOR ATI M6X CHANNEL-A
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- 29: EXT CRT INTERFACE
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- 31: ICH8-M(1/4) : DMI/PCI/LPC/AC97
- 32: ICH8-M(2/4) : ATA/USB/PM
- 33: ICH8-M(3/4) : PCI EXPRESS
- 34: ICH8-M(4/4) : VCC/GND
- 35: FWH, RTC BATTERY
- 36: SATA HDD CONN
- 37: BAY I/F CONN
- 38: USB POWER/CONN
- 39: AUDIO AD1981HD
- 40: AUDIO MISC
- 41: AUDIO INT MIC
- 42: AUDIO HP & EXT MIC CONN
- 43: AUDIO EXT MIC AMP
- 44: AUDIO SPEAKER
- 45: AUDIO HDP AMP MAX9789A(1/2)
- 46: AUDIO HDP AMP MISC(2/2)

- 47: CDC CONNECTOR
- 48: CARDBUS CONTROLLER(1/2)
- 49: CARDBUS CONTROLLER(2/2)
- 50: CARDBUS/EXC SLOT
- 51: CARDBUS/EXC PWR CTRL
- 52: GBE LAN SW
- 53: GBE NINEVEH(1/2)
- 54: MICRO PCIE CONN
- 55: GBE MAGNETICS
- 56: RJ11/RJ45 CONNECTOR
- 57: MINI PCI SLOT
- 58: EEPROM/FLASH/SHARED
- 59: DOCKING CONNECTOR
- 60: H8S/2116B(1/2)
- 61: H8S/2116B(2/2)
- 62: KEYBOARD CONNECTOR
- 63: TOUCH PAD CONNECTOR
- 64: MISC G/A (PMH7)
- 65: SUPER I/O (PC87385)
- 66: WIRELESS DISABLE SW
- 67: LEGACY IO INTERFACE
- 68: MEDIA CARD SLOT(4IN1)
- 69: THERMAL SENSOR
- 70: I2CBUS/SMBUS
- 71: FAN CONTROL
- 72: G-SENSOR
- 73: EMC DECOUPLING
- 74: RGB SWITCH
- 75: DC-IN
- 76: BATTERY CHARGER (MAX8765)
- 77: CHARGE SELECTOR
- 78: BATTERY INPUT
- 79: BATTERY MONITOR
- 80: POWER SEQUENCE
- 81: DC-DC VCC3M/VCC5M (MAX17003)
- 82: DC-DC VCCCPUCORE (ADP3207)
- 83: VCCCPUCORE DECOUPLING
- 84: DC-DC VCC1R05M
- 85: DC-DC VCCGFXCORE (ADP3209)
- 86: DC-DC VCC1R8M/VCC0R9A (MAX8632)
- 87: DC-DC VCC1R05M/VCC1R5M (MAX1540)
- 88: DC-DC VCC1R25AMT (VT321)
- 89: LOAD SW AMT/LAN
- 90: CLPWRG
- 91: RINKAN-1
- 92: LOAD SW VIDEO
- 93: LOAD SW A&AUX
- 94: LOAD SW B&UBAY
- 95: MAX POWER CTRL

BASE LOGIC:H4W
 MAR/23/2007
 VER 4.60

- 96: POWER MOMITOR
- 97: PTH FOR SCREW HOLES
- 98: LOAD SW VCC3KDDI

DESIGNER	K.Y	04/10/07	PART NO.	42W9347
CHECKED	Y.Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H.K	04/10/07	TITLE PAGE	
CLASS				

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EC HISTORY

DAVINCI-3 (BASE LOGIC MAGI-7 VER.6.01)
 SDV (BASE LOGIC D3PDV VER.0.39)
 FVT (BASE LOGIC D3SDV VER.1.14)
 SIV_WIDE (BASE LOGIC D3FVT VER.2.11)
 SUZAKU3_W (BASE LOGIC SIV_WIDE VER.3.09)
 SUZAKU3_R (BASE LOGIC SUZAKU3_W VER.3.24)
 SUZAKU4_R (BASE LOGIC SUZAKU3_R VER.3.54)
 SUZAKU4_R(NV) (BASE LOGIC SUZAKU4_R VER.4.01)
 HISUI_1W(NV) (BASE LOGIC SUZAKU4_R(NV) VER.X.18)
 VER.1.00 10/20/2006 APPLIED DAV3_R2W 001-010, DAV3_SIT_024,038
 VER.1.01 10/25/2006 APPLIED DAV3_NV_063
 VER.1.02 10/26/2006 APPLIED DAV3_SIT_064
 VER.1.03 10/27/2006 APPLIED DAV3_NV_010,064,065
 VER.1.04 10/30/2006 APPLIED DAV3_NV_067

HISUI_2R(NV) (BASE LOGIC HISUI_1W(NV) VER.1.04)
 VER.2.00 11/13/2006 APPLIED DAV3_W2R 001-003,005,007,008
 DAV3_SIV 118, DAV3_SIT 025,035,038
 DAV3_SIT 041-043,047,048,058-064,069,071-075,077,079-082
 084-086,088-092,095,096,099,100,102
 VER.2.01 11/15/2006 APPLIED DAV3_SIT 104-107
 VER.2.02 11/16/2006 APPLIED DAV3_NV 069,071,072,075,076
 VER.2.03 11/20/2006 CANCELLED SIT_EC075 APPLIED DAV3_SIT 110-112,115
 VER.2.04 11/21/2006 APPLIED DAV3_SIT 116,118,119-123
 VER.2.05 11/24/2006 APPLIED DAV3_SIT 126,127,128
 VER.2.06 11/27/2006 APPLIED DAV3_NV_080
 VER.2.07 11/28/2006 APPLIED DAV3_NV_081 DAV3_SIT 131,132
 CORRECTED DAV3_SIT 118

HISUI_5W(NV) (BASE LOGIC HISUI_4W(NV) VER.4.60)
 VER.2.08 11/29/2006 APPLIED DAV3_SIT_139 DAV3_NV_082
 VER.2.09 11/30/2006 APPLIED DAV3_SIT_141
 VER.2.10 12/04/2006 APPLIED DAV3_SIT_145,146,148-150
 VER.2.11 12/07/2006 APPLIED DAV3_SIT_153,155
 VER.2.12 12/08/2006 APPLIED DAV3_SIT_156 DAV3_NV_085
 VER.2.13 12/12/2006 APPLIED DAV3_SIT_157,159
 VER.2.14 12/14/2006 APPLIED DAV3_NV_086
 VER.2.15 12/15/2006 APPLIED DAV3_SIT_162-164
 VER.2.16 12/18/2006 APPLIED DAV3_SIT_166
 VER.2.17 12/22/2006 APPLIED DAV3_NV_090

HISUI_2W(NV) (BASE LOGIC HISUI_2R(NV) VER.2.17)
 VER.2.50 12/22/2006 APPLIED DAV3_R2W 001-003,005-010
 DAV3_SIT 038,117,143,145,172,173
 VER.2.51 12/26/2006 APPLIED DAV3_SIT 174, NV 083,091,093
 VER.2.52 12/27/2006 APPLIED DAV3_SIT 175,176 NV 094
 VER.2.53 12/28/2006 APPLIED DAV3_SIT 177

HISUI_3W(NV) (BASE LOGIC HISUI_2W(NV) VER.2.53)
 VER.3.00 01/15/2007 APPLIED DAV3_SIT 181,182 DAV3_SVT 001
 VER.3.01 01/17/2007 APPLIED DAV3_SVT 005,006,009,010 DAV3_SIT 183
 VER.3.02 01/19/2007 APPLIED DAV3_SVT 011
 VER.3.03 01/22/2007 APPLIED DAV3_SVT 012,015
 VER.3.04 01/23/2007 APPLIED DAV3_SVT 020
 VER.3.05 01/24/2007 APPLIED DAV3_SVT 022
 VER.3.06 01/25/2007 APPLIED DAV3_SIT 184
 VER.3.07 01/26/2007 APPLIED DAV3_SVT 026
 VER.3.08 01/29/2007 APPLIED DAV3_SVT 027-030
 VER.3.09 01/30/2007 APPLIED DAV3_SVT 032
 VER.3.10 01/31/2007 APPLIED DAV3_SVT 033,035

DESIGNER	K.Y	04/10/07	PART NO.	42W9347
CHECKED	Y.Y	04/10/07		
APPROVED	H.K	04/10/07	TITLE DAV3_HISUI5_W	
CLASS			HISTORY	

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REL	04/10/07	L09906	DATE	EC NO.	PART NO.
					42W9347
					DEVELOPMENT NO.
					Q/M
					3 / 98

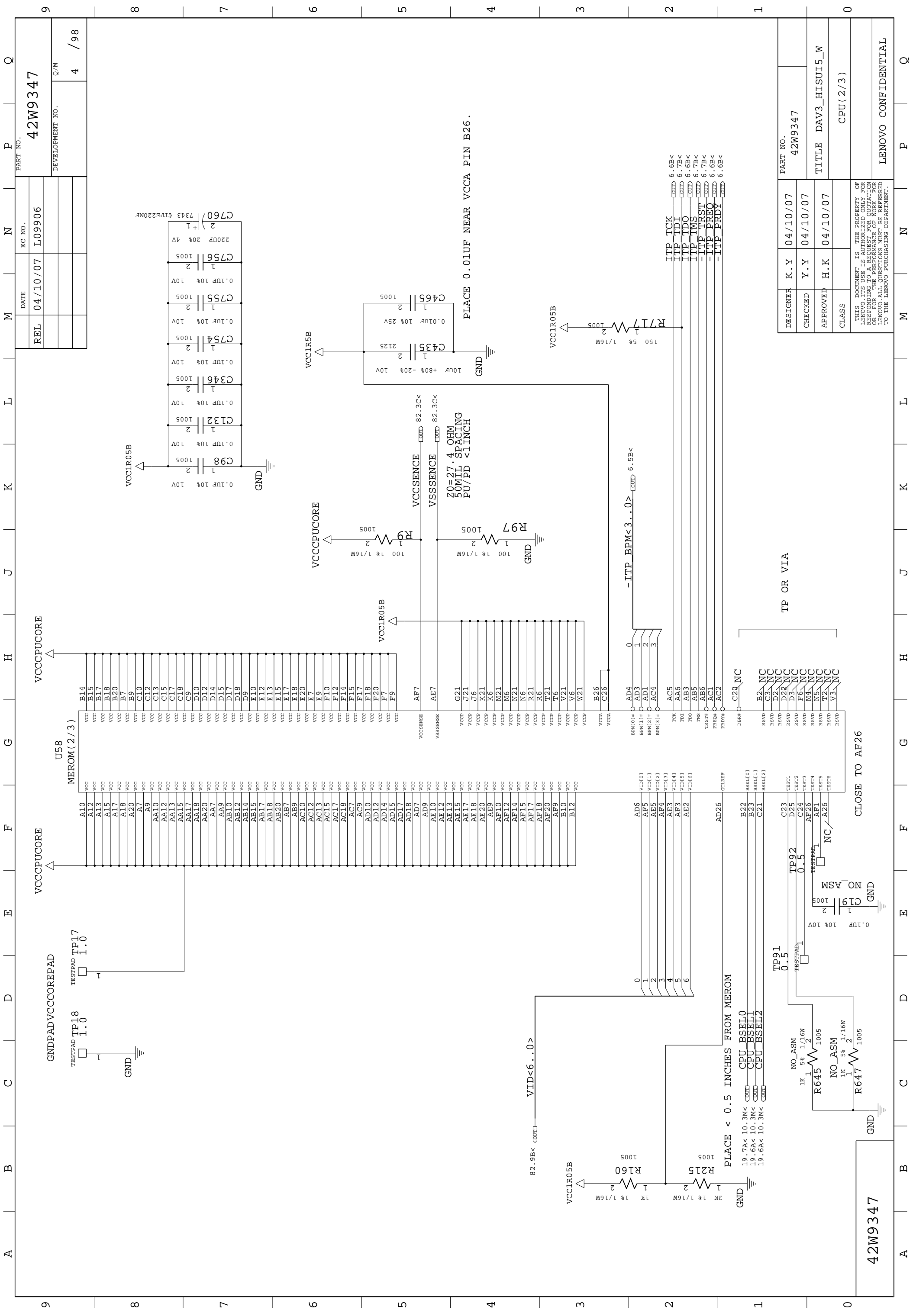
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CHECKED	Y.Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H.K	04/10/07	CPU	(1/3)
CLASS				

COMPO/2: Z0=27.4 OHM TRACE <0.5"
COMPL/3: Z0=55 OHM TRACE <0.5"

42W9347

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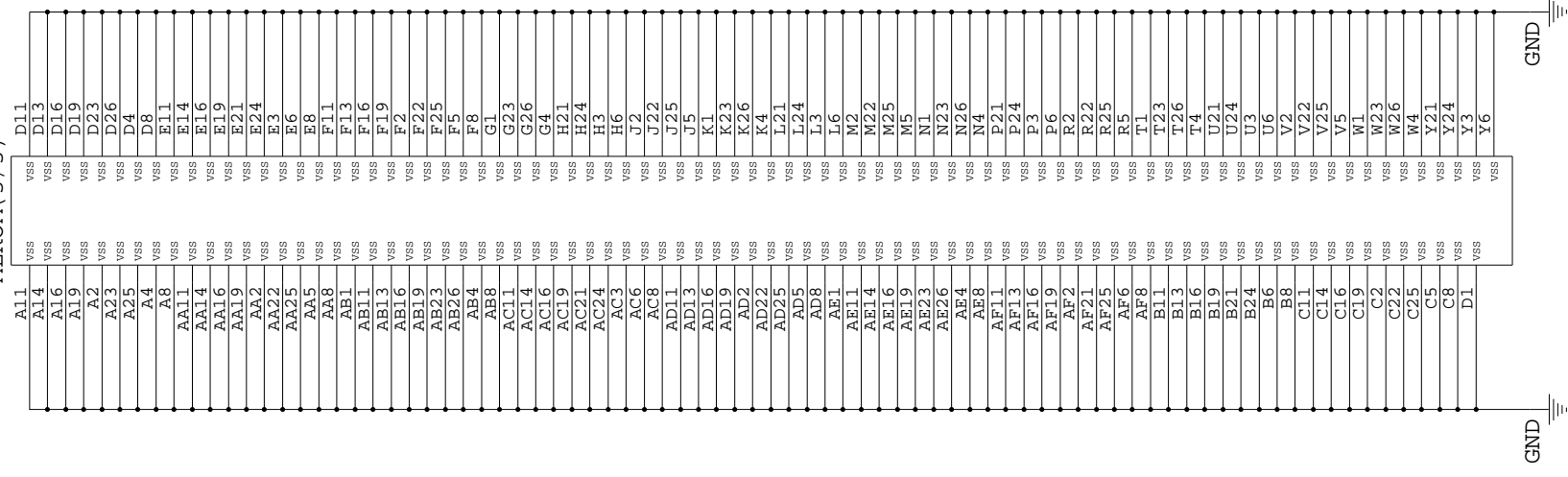


REL	DATE	EC NO.	PART NO.
	04/10/07	L09906	42W9347
			DEVELOPMENT NO. Q/M
			4 / 98

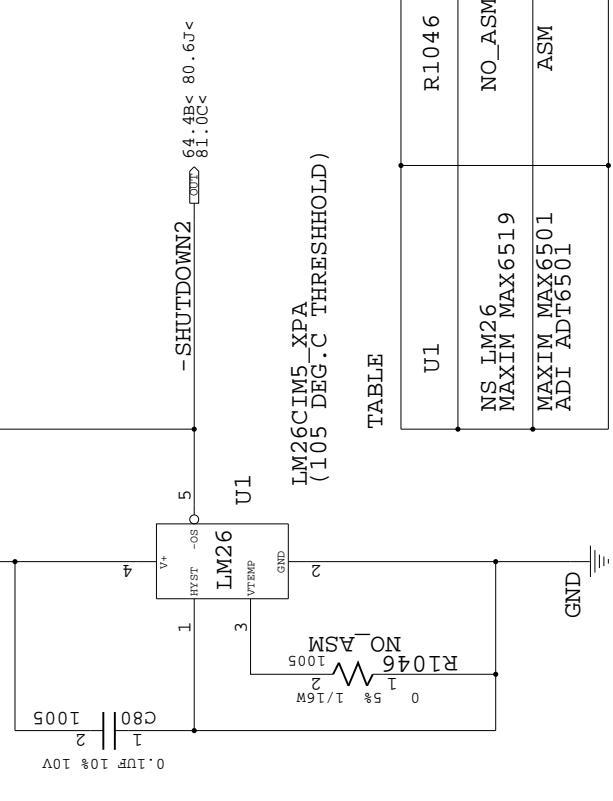
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CHECKED	Y.Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H.K	04/10/07	CLASS	CPU(2/3)
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42W9347

U58
MEROM(3/3)



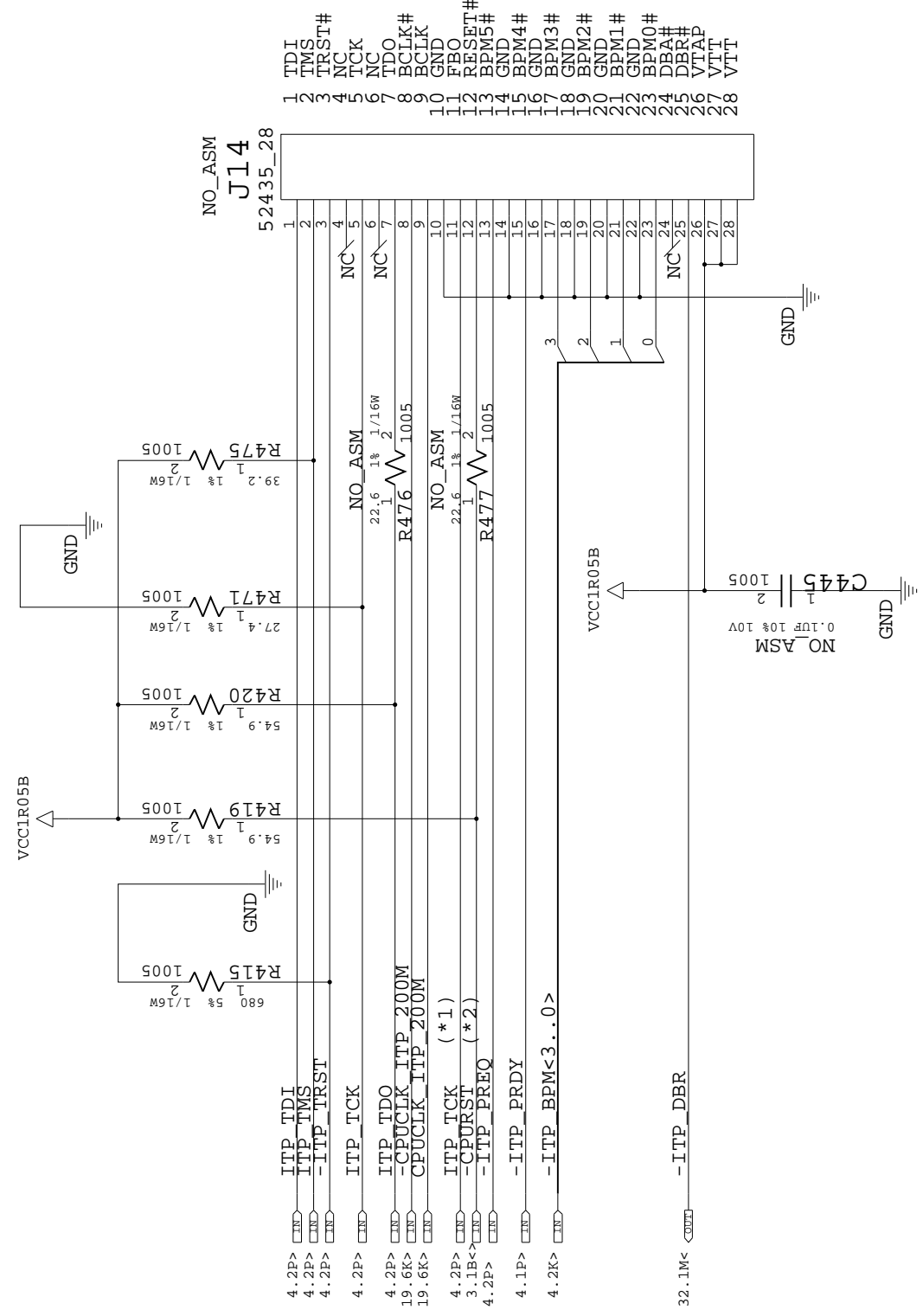
DO NOT MOVE
AFTER FIX
TP16
TESTPAD
□ 1.0 (BOTTOM SIDE)



TABLE

U1	R1046
NS LM26 MAXIM MAX6519	NO_ASM
MAXIM MAX6501 ADI ADT6501	ASM

DESIGNER	K.Y	04/10/07	PART NO.	42W9347
CHECKED	Y.Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H.K	04/10/07	CLASS	CPU(3/3)
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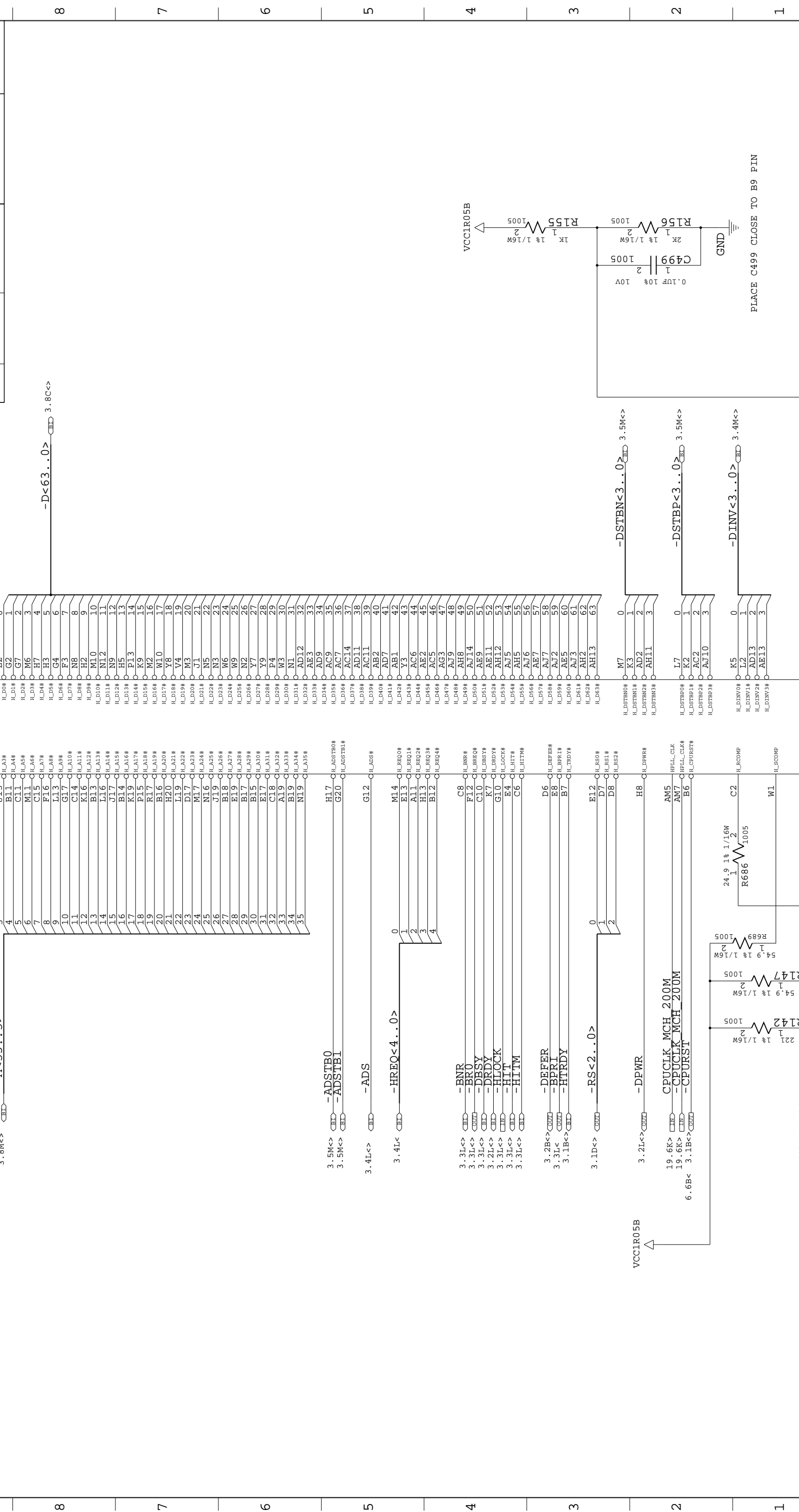
TABLE

REF DES	FOR ITP700FLEX	FOR ITP-XDP
J14	NO_ASM ---> ASM	NO_ASM ---> ASM
C445	ASM ---> ASM	ASM ---> ASM
R717	ASM(NO CHANGE)	ASM ---> 51 5% ASM
R476	ASM ---> ASM	ASM ---> ASM
R477	ASM ---> ASM	ASM ---> 1K 5% ASM
R415	ASM(NO CHANGE)	ASM(NO CHANGE)
R419	ASM(NO CHANGE)	ASM ---> NO_ASM
R420	ASM(NO CHANGE)	ASM(NO CHANGE)
R471	ASM(NO CHANGE)	ASM ---> 51 5% ASM
R475	ASM(NO CHANGE)	ASM ---> 51 5% ASM

NOTE: C445,R476 AND R477 "ASM" BEFORE SIT, "NO_ASM" FROM SIT.

- (*1) TCK SIGNAL IS BRANCHED AT YONAH PIN
- (*2) -CPURST SIGNAL IS BRANCHED AT CRESTLINE PIN

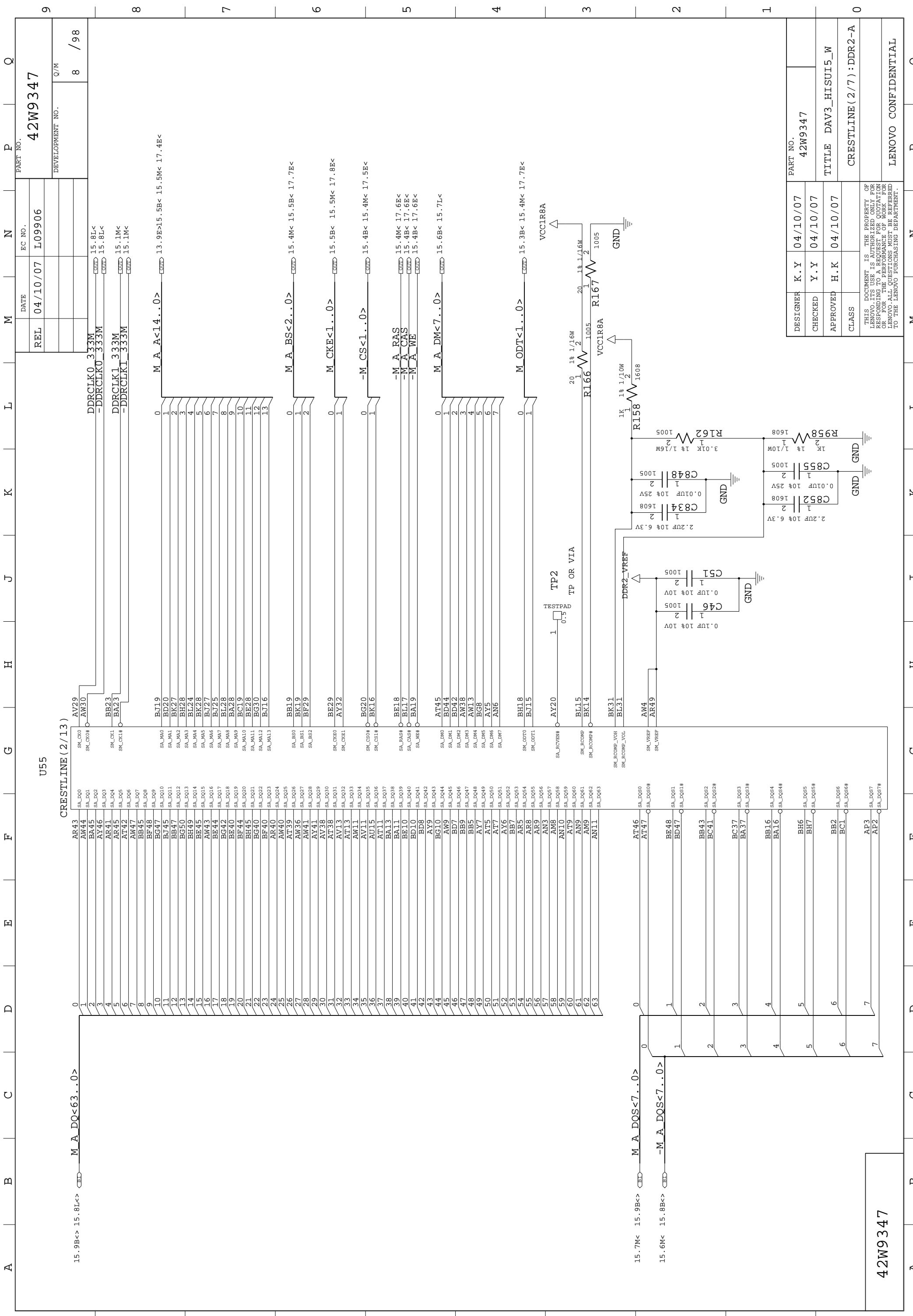
DESIGNER	K.Y	04/10/07	PART NO.	42W9347
CHECKED	Y.Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H.K	04/10/07	CLASS	ITP CONN/LARGE PTH HOLE
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EMI FINGER				
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CHECKED	Y. Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H. K	04/10/07	CRESTLINE(1/7):HOST	I/F
CLASS				

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42W9347



U55

CRESTLINE (2/13)

0	AP43	SA_D00	AV29
1	AM44	SA_D01	AW30
2	BA45	SA_D02	DDRCLK0_333M
3	AY46	SA_D03	-DDRCLK0_333M
4	AR41	SA_D04	15.8L<
5	AR45	SA_D05	15.8L<
6	AT42	SA_D06	DDRCLK1_333M
7	AW47	SA_D07	-DDRCLK1_333M
8	BB45	SA_D08	15.1M<
9	BF48	SA_D09	15.1M<
10	BG47	SA_D10	M_A_BS<2...0>
11	BU45	SA_D11	13.9E>15.5B< 15.5M< 17.4E<
12	BB47	SA_D12	0
13	BG50	SA_D13	1
14	BH49	SA_D14	2
15	BE45	SA_D15	3
16	AW43	SA_D16	4
17	BE44	SA_D17	5
18	BG42	SA_D18	6
19	BE40	SA_D19	7
20	BF44	SA_D20	8
21	BH45	SA_D21	9
22	BG40	SA_D22	10
23	BF40	SA_D23	11
24	AK40	SA_D24	12
25	AW40	SA_D25	13
26	AT39	SA_D26	0
27	AW36	SA_D27	1
28	AW41	SA_D28	2
29	AY41	SA_D29	M_A_BS<2...0>
30	AV38	SA_D30	15.4M< 15.5B< 17.7E<
31	AT38	SA_D31	0
32	AV13	SA_D32	1
33	AT13	SA_D33	M_CKE<1...0>
34	AW11	SA_D34	15.5B< 15.5M< 17.8E<
35	AV11	SA_D35	0
36	AU15	SA_D36	1
37	AT11	SA_D37	-M_CS<1...0>
38	BA13	SA_D38	15.4B< 15.4M< 17.5E<
39	BA11	SA_D39	0
40	BE10	SA_D40	1
41	BD10	SA_D41	-M_A_RAS
42	BD8	SA_D42	15.4M< 17.6E<
43	AY9	SA_D43	-M_A_CAS
44	BG10	SA_D44	15.4B< 17.6E<
45	AW9	SA_D45	0
46	BD7	SA_D46	1
47	BB9	SA_D47	M_A_DM<7...0>
48	BB5	SA_D48	15.6B< 15.7L<
49	AY7	SA_D49	0
50	AT5	SA_D50	1
51	AT7	SA_D51	2
52	AY6	SA_D52	3
53	BB7	SA_D53	4
54	AR5	SA_D54	5
55	AR8	SA_D55	6
56	AR9	SA_D56	7
57	AN3	SA_D57	0
58	AM8	SA_D58	1
59	AN10	SA_D59	M_ODT<1...0>
60	AT9	SA_D60	15.3B< 15.4M< 17.7E<
61	AN9	SA_D61	0
62	AM9	SA_D62	1
63	AN11	SA_D63	2
0	AT46	SA_D60	15.7M< 15.9B<>
1	BD47	SA_D68	0
2	BB43	SA_D81	1
3	BC41	SA_D82	2
4	BC37	SA_D83	3
5	BE16	SA_D84	4
6	BH6	SA_D85	5
7	BC1	SA_D86	6
8	AP3	SA_D87	7
9	AP2	SA_D88	0

CRESTLINE (2/13)

0	AT46	SA_D60	15.7M< 15.9B<>
1	BD47	SA_D68	0
2	BB43	SA_D81	1
3	BC41	SA_D82	2
4	BC37	SA_D83	3
5	BE16	SA_D84	4
6	BH6	SA_D85	5
7	BC1	SA_D86	6
8	AP3	SA_D87	7
9	AP2	SA_D88	0

DESIGNER	K.Y	04/10/07	PART NO.	42W9347
CHECKED	Y.Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H.K	04/10/07	CRESTLINE(2/7):DDR2-A	
CLASS				

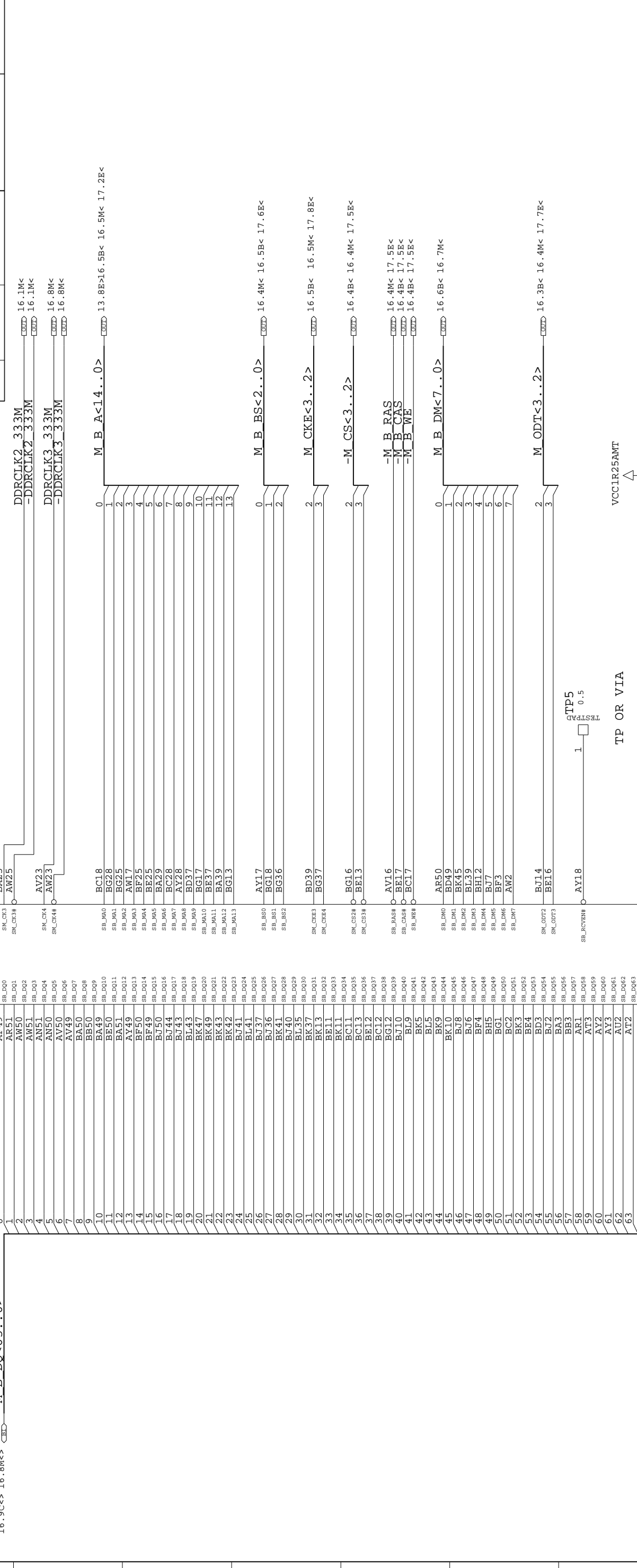
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9	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q
9															
8															
7															
6															
5															
4															
3															
2															
1															
0															

REL	04/10/07	L09906	42W9347
DATE	04/10/07	L09906	42W9347
EC NO.			
PART NO.			
DEVELOPMENT NO.			
Q/M	9	/98	



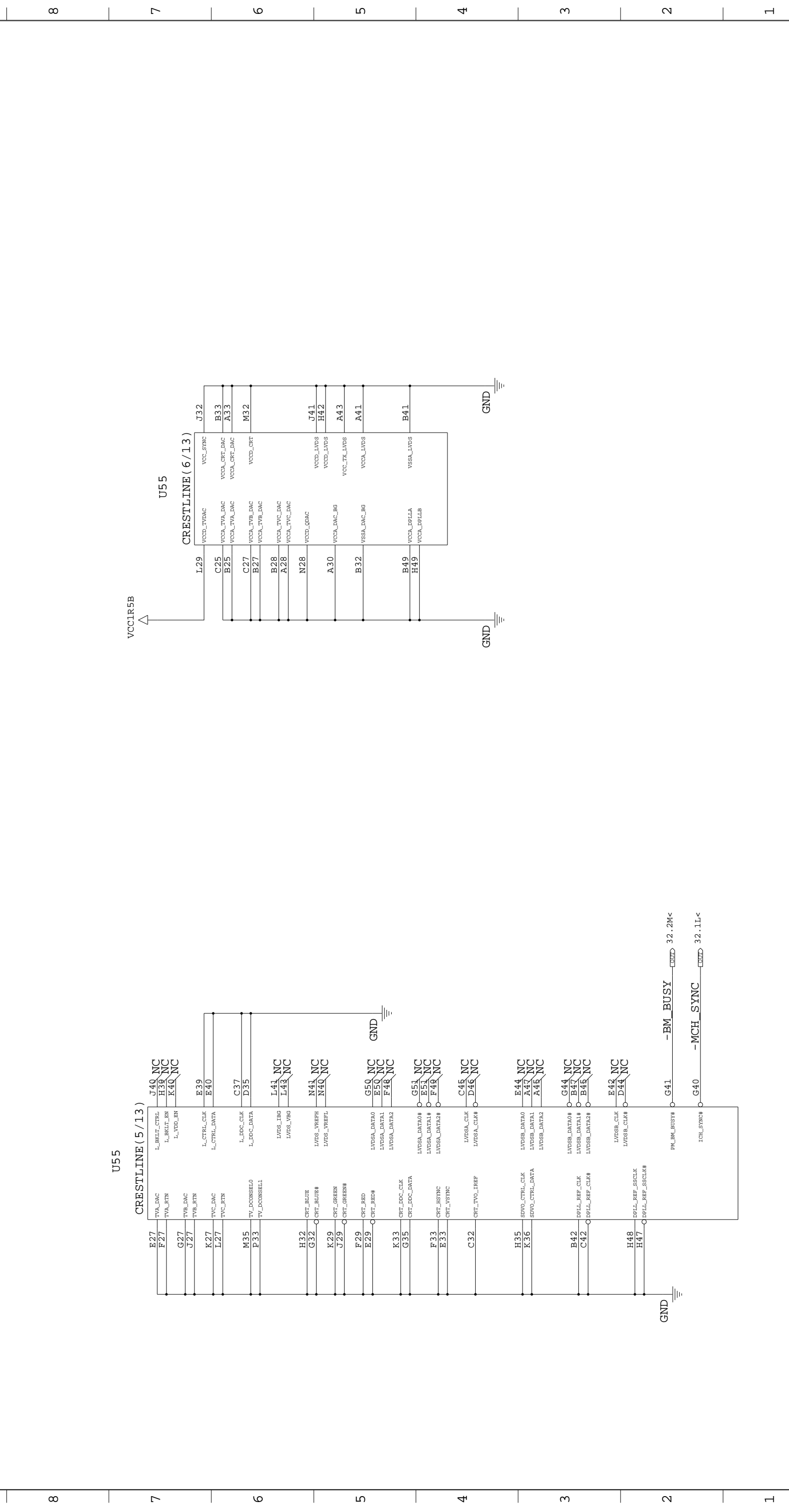
16.9C<< 16.8M<>	M_B_DO<63..0>	16.7M< 16.9C<>	M_B_DOS<7..0>	16.6M< 16.8C<>	-M_B_DOS<7..0>
AP49	SB_LD00	AT50	SB_LD60	BD50	SB_LD61
AR51	SB_LD01	AU50	SB_LD60#	BC50	SB_LD61#
AW50	SB_LD02			BK46	SB_LD62
AW51	SB_LD03			BL45	SB_LD62#
AN51	SB_LD04			BK39	SB_LD63
AN50	SB_LD05			BK38	SB_LD63#
AV50	SB_LD06			BJ12	SB_LD64
AV49	SB_LD07			BK12	SB_LD64#
BA50	SB_LD08			BL7	SB_LD65
BB50	SB_LD09			BK7	SB_LD65#
BA49	SB_LD10			BF2	SB_LD66
BE50	SB_LD11			BF2	SB_LD66#
BA51	SB_LD12			AV2	SB_LD67
AY49	SB_LD13			AV3	SB_LD67#
BF50	SB_LD14				
BF49	SB_LD15				
BJ50	SB_LD16				
BJ44	SB_LD17				
BJ43	SB_LD18				
BL43	SB_LD19				
BK47	SB_LD20				
BK49	SB_LD21				
BK43	SB_LD22				
BK42	SB_LD23				
BJ41	SB_LD24				
BL41	SB_LD25				
BJ37	SB_LD26				
BJ36	SB_LD27				
BK41	SB_LD28				
BJ40	SB_LD29				
BL38	SB_LD30				
BK37	SB_LD31				
BK13	SB_LD32				
BE11	SB_LD33				
BK11	SB_LD34				
BC11	SB_LD35				
BE12	SB_LD36				
BC12	SB_LD37				
BG12	SB_LD38				
BJ10	SB_LD39				
BL9	SB_LD40				
BK5	SB_LD41				
BL5	SB_LD42				
BK9	SB_LD43				
BK10	SB_LD44				
BJ8	SB_LD45				
BJ6	SB_LD46				
BF4	SB_LD47				
BH5	SB_LD48				
BG1	SB_LD49				
BC2	SB_LD50				
BK3	SB_LD51				
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BJ2	SB_LD54				
BA3	SB_LD55				
BB3	SB_LD56				
AR1	SB_LD57				
AT3	SB_LD58				
AV2	SB_LD59				
AY2	SB_LD60				
AU2	SB_LD61				
AU2	SB_LD62				
AT2	SB_LD63				

DESIGNER	K.Y	04/10/07	PART NO.	42W9347
CHECKED	Y.Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H.K	04/10/07	CRESTLINE (3/7) : DDR2-B	
CLASS				

42W9347

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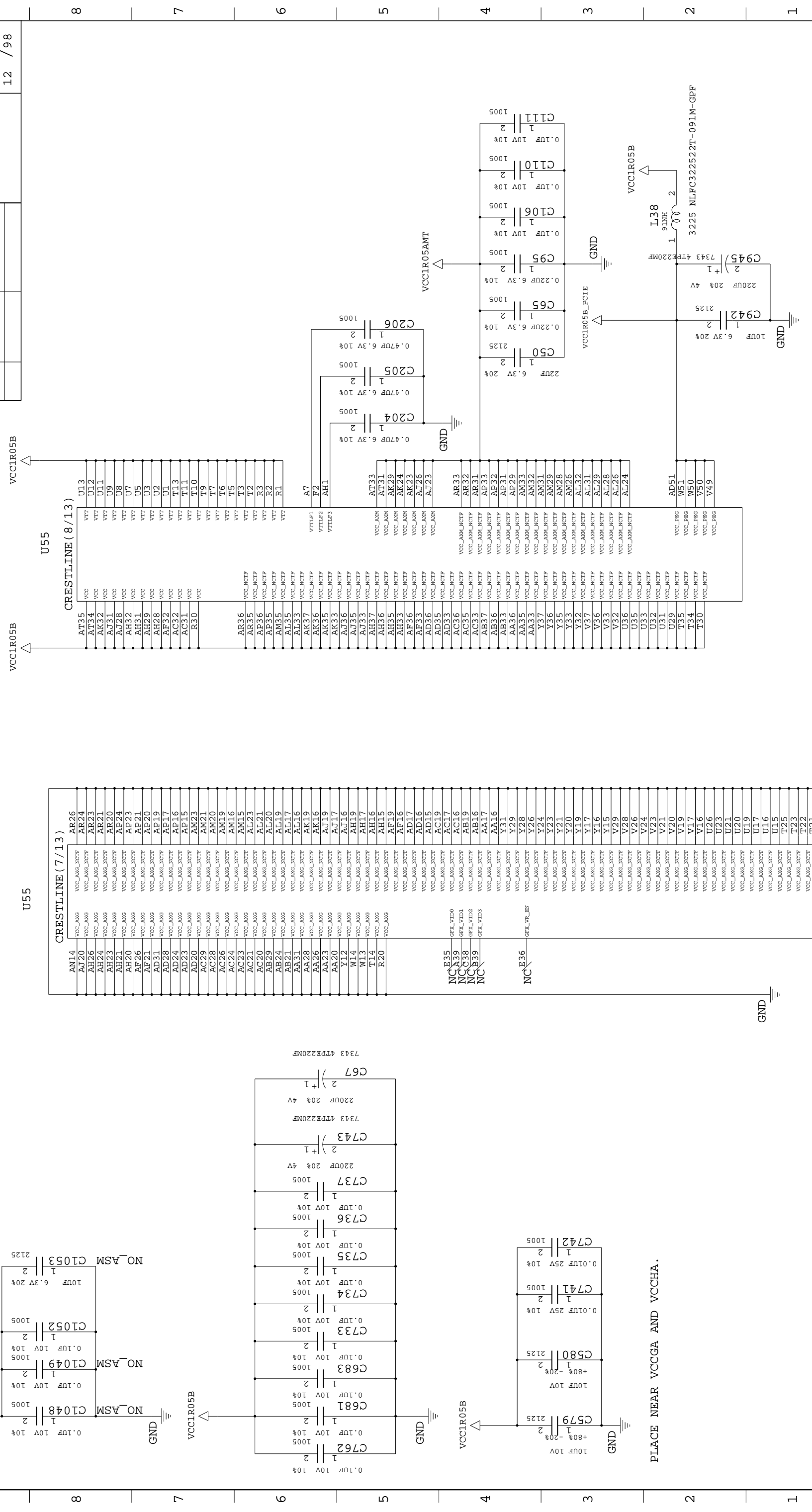
REL	DATE	EC NO.	PART NO.
04/10/07	L09906		42W9347
			DEVELOPMENT NO. Q/M
			11 / 98



DESIGNER	K.Y	04/10/07	PART NO.	42W9347
CHECKED	Y.Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H.K	04/10/07	CLASS	CRESTLINE (5/7) : GRAPHICS

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42W9347

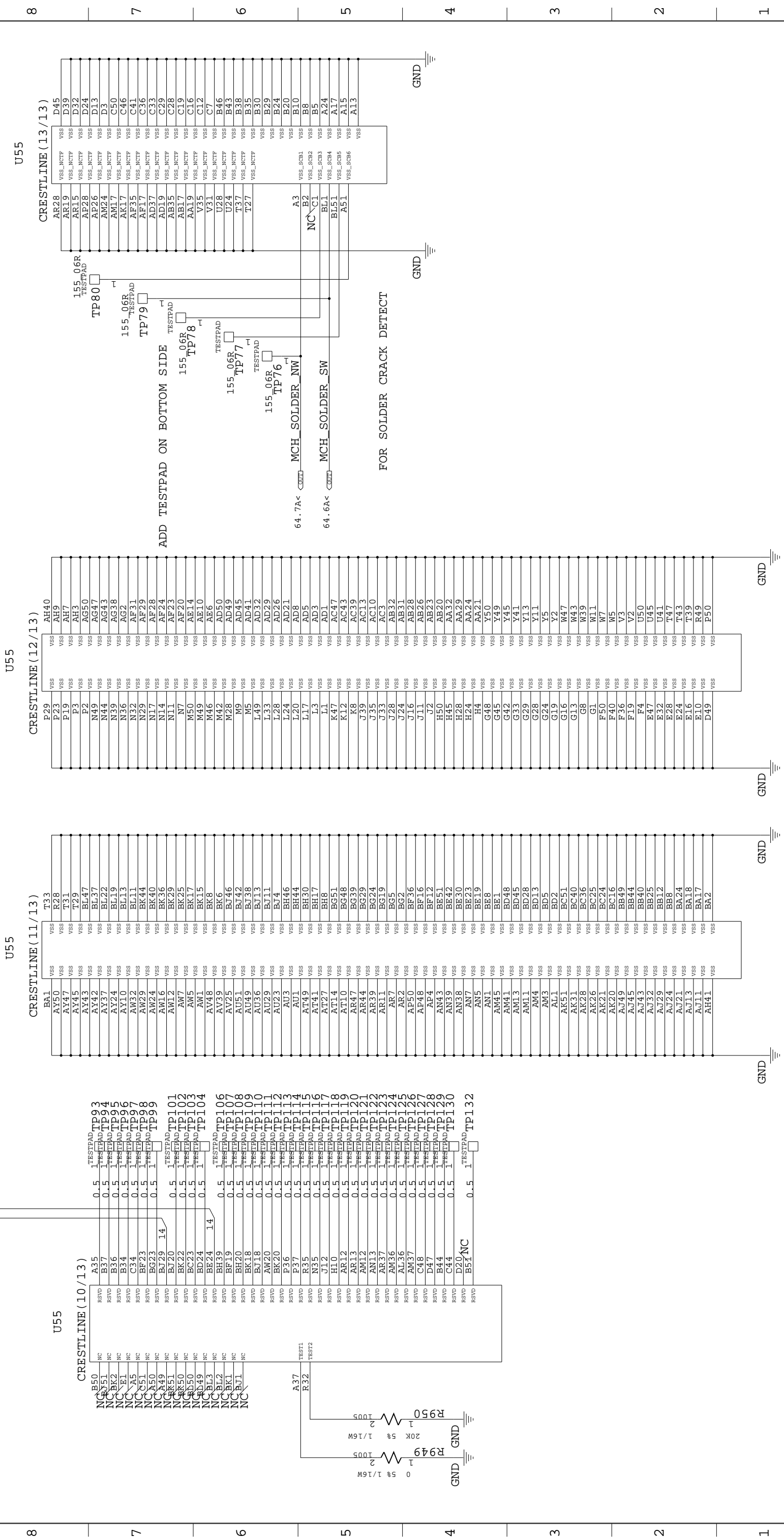


PLACE NEAR VCCGA AND VCCHA.

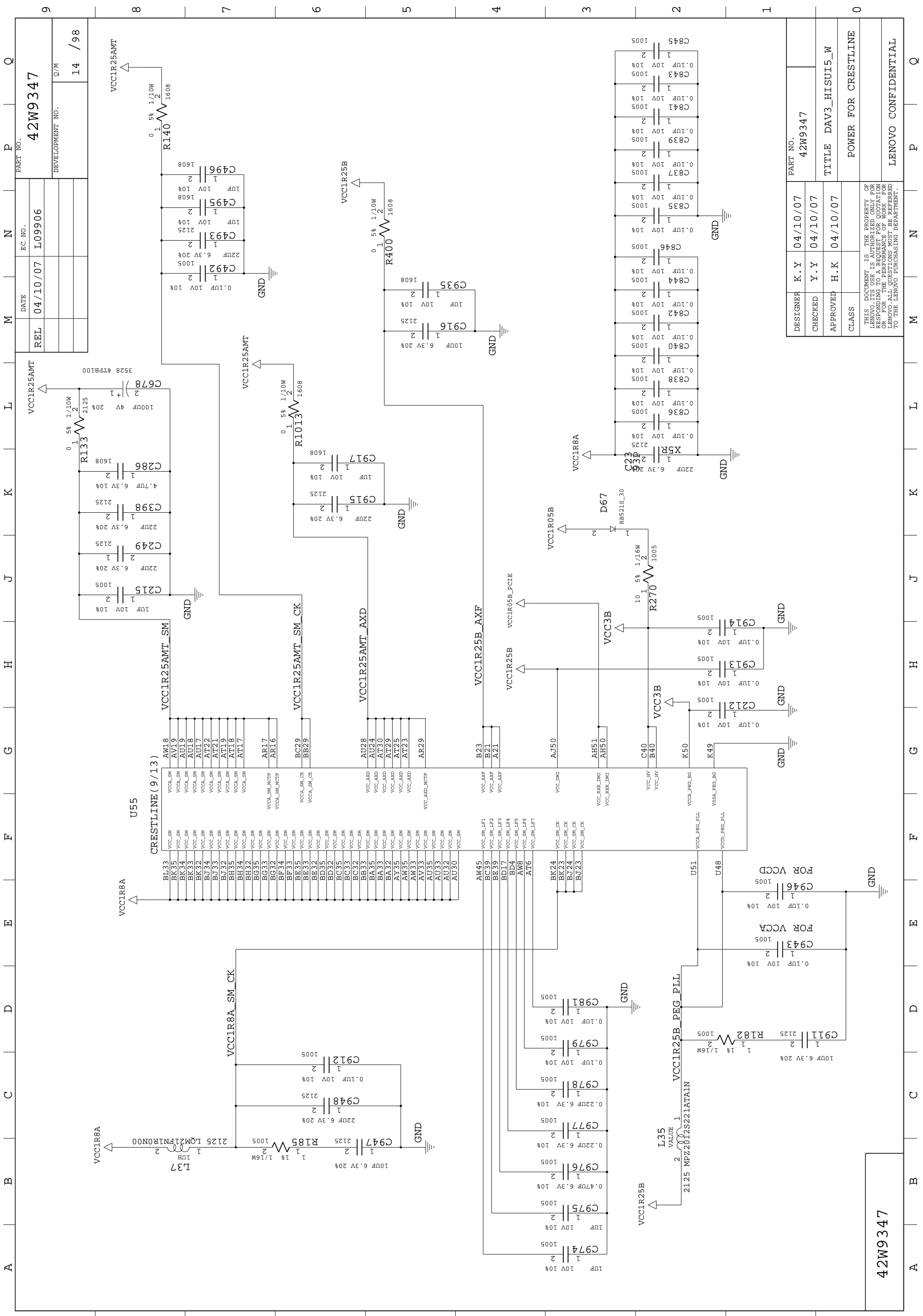
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CHECKED	Y. Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H. K	04/10/07	CLASS	CRESTLINE(6/7) : VCC
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NOTE: M_A_A14 AND M_B_A14 SHOULD BE TREATED SAME AS OTHER MEMORY ADDRESS LINES

M A A<14..0> 8.8N> 15.5B< 15.5M< 17.4E<
M B A<14..0> 9.8N> 16.5B< 16.5M< 17.2E<



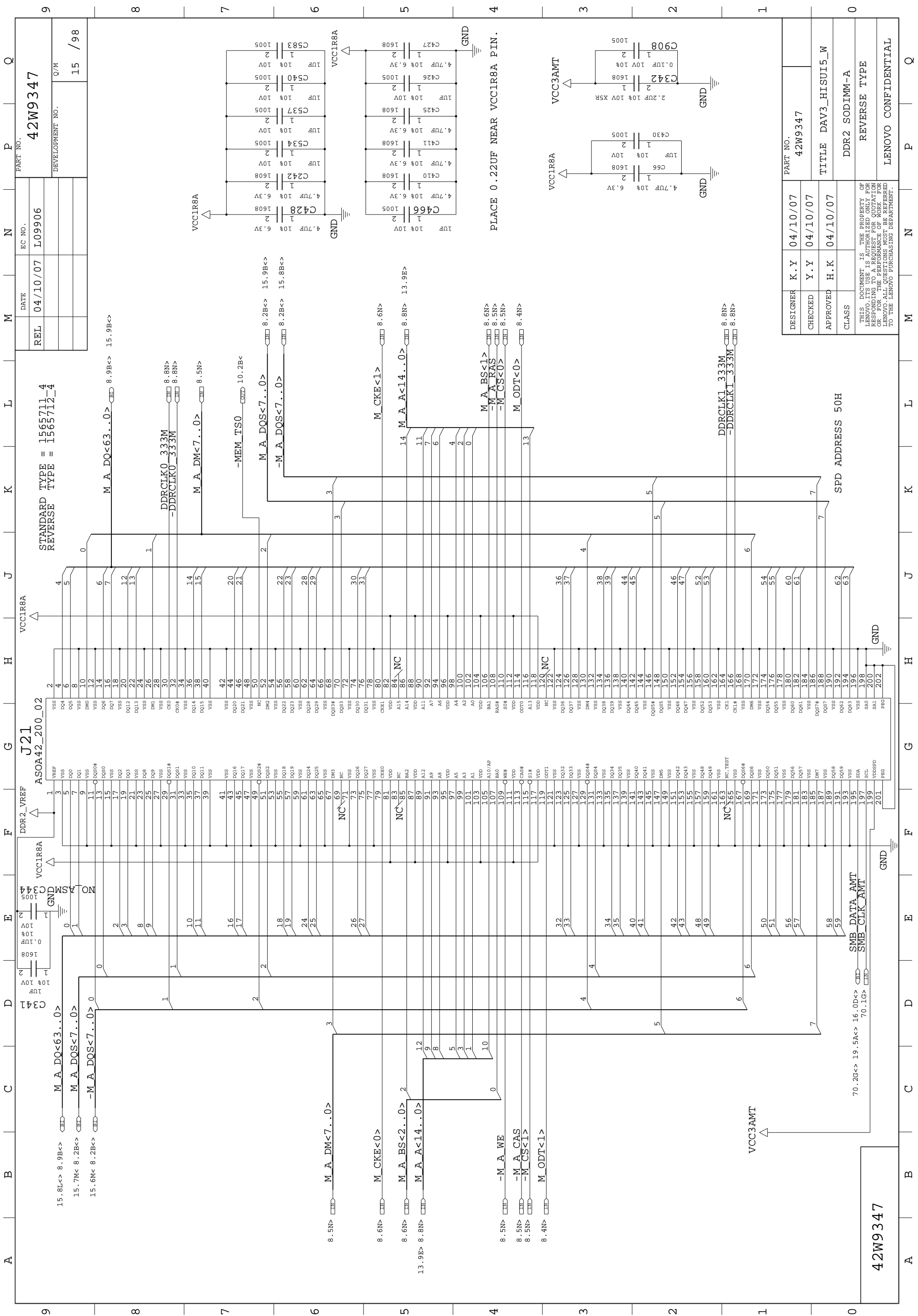
DESIGNER	K.Y	04/10/07	PART NO.	42W9347
CHECKED	Y.Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H.K	04/10/07	CLASS	CALISTOGA(7/7):VCC/GND(NCTF)
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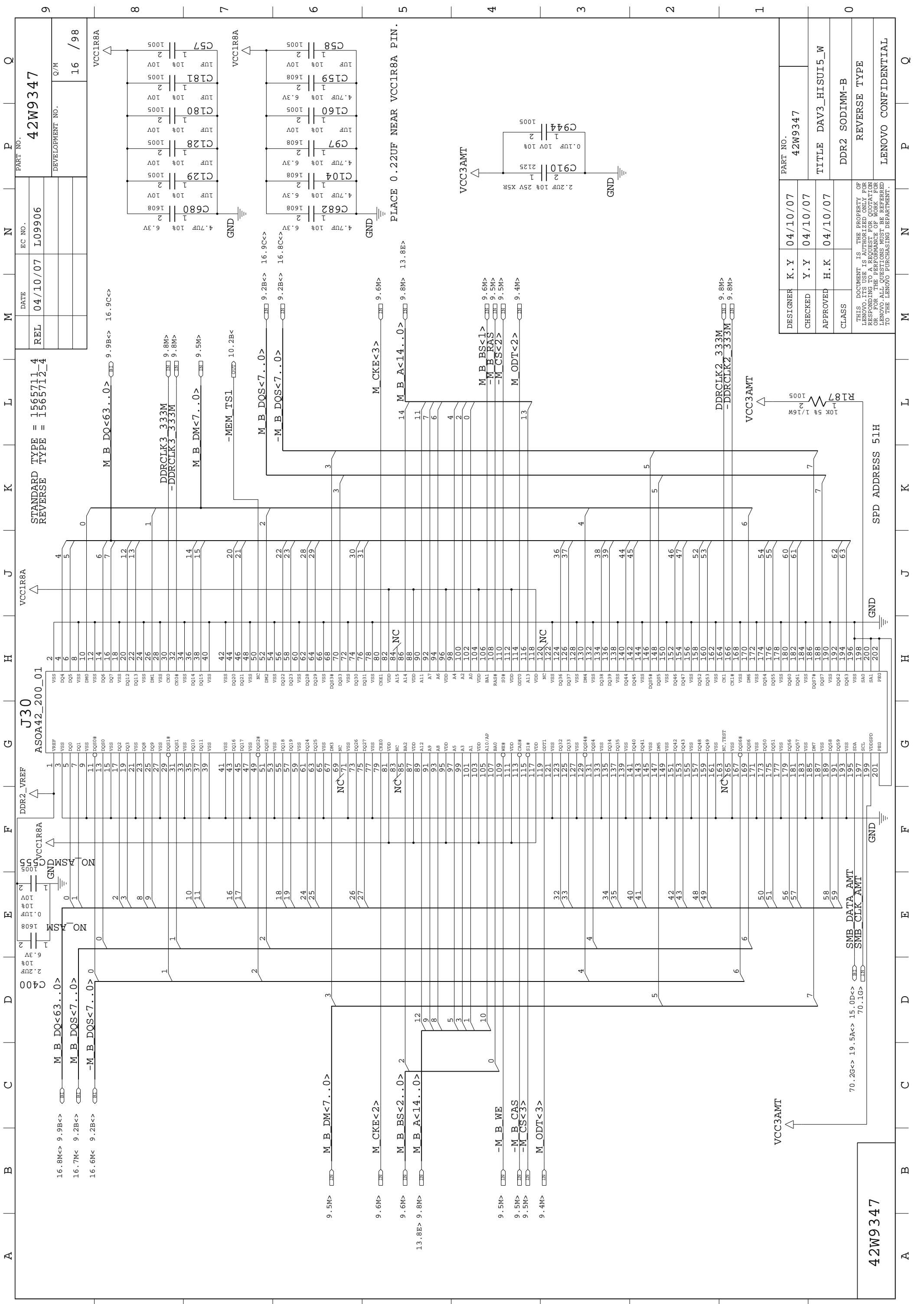


42W9347

DESIGNER	K. Y	04/10/07	PART NO.	42W9347
CHECKED	Y. Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H. K	04/10/07	CLASS	POWER FOR CRESTLINE
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REL	04/10/07	EC NO.	42W9347
DATE	04/10/07	DEVELOPMENT NO.	14 / 98
PART NO.			





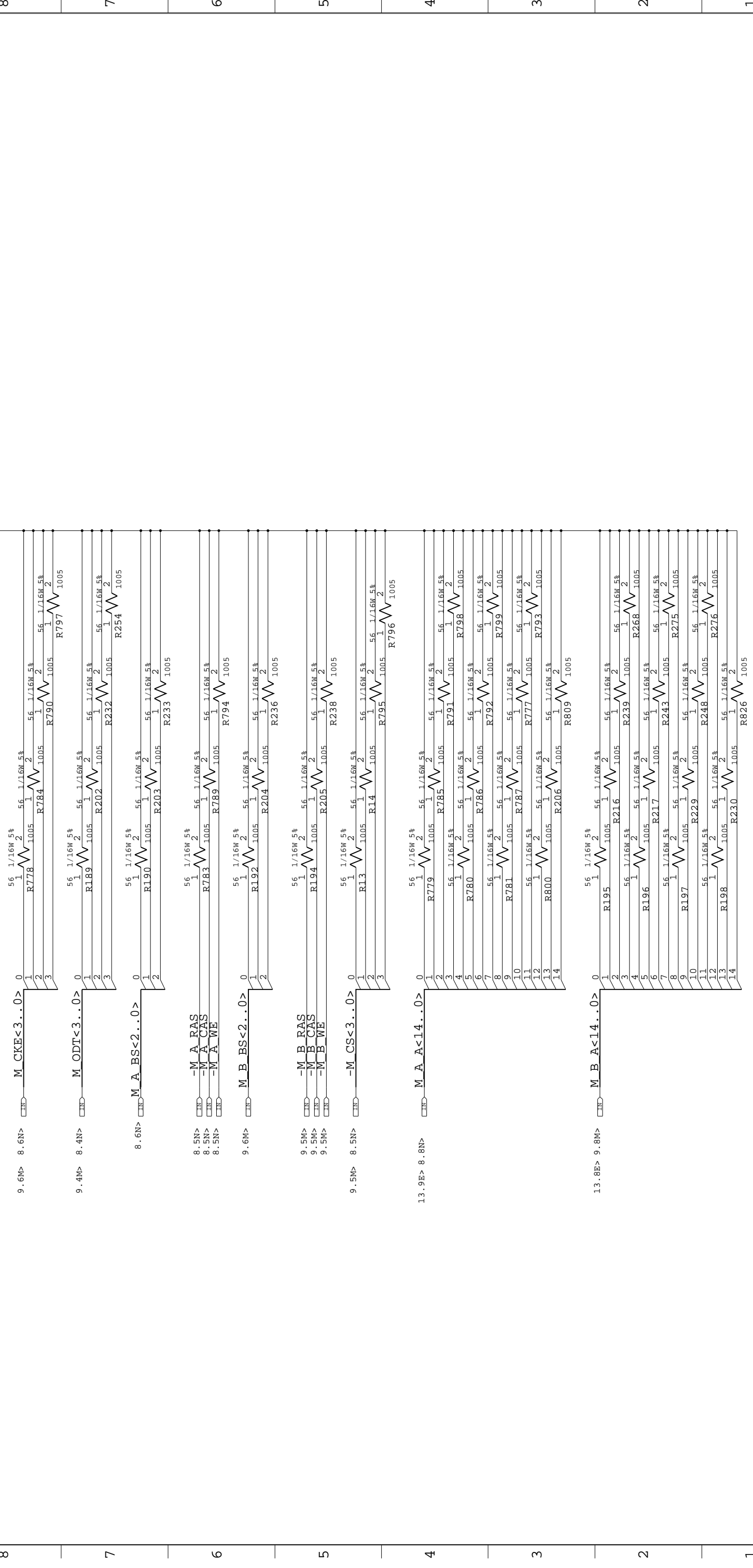
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REVERSE TYPE	1565712-4
REL	04/10/07
DATE	L09906
EC NO.	
PART NO.	42W9347
DEVELOPMENT NO.	Q/M
Q/M	16 / 98

DESIGNER	K. Y	DATE	04/10/07
CHECKED	Y. Y	DATE	04/10/07
APPROVED	H. K	DATE	04/10/07
CLASS		DATE	
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PART NO.	42W9347		
TITLE	DAV3_HISUI5_W		
TYPE	DDR2 SODIMM-B		
REVERSE TYPE			
LENOVO CONFIDENTIAL			

DESIGNER	K. Y
CHECKED	Y. Y
APPROVED	H. K
CLASS	

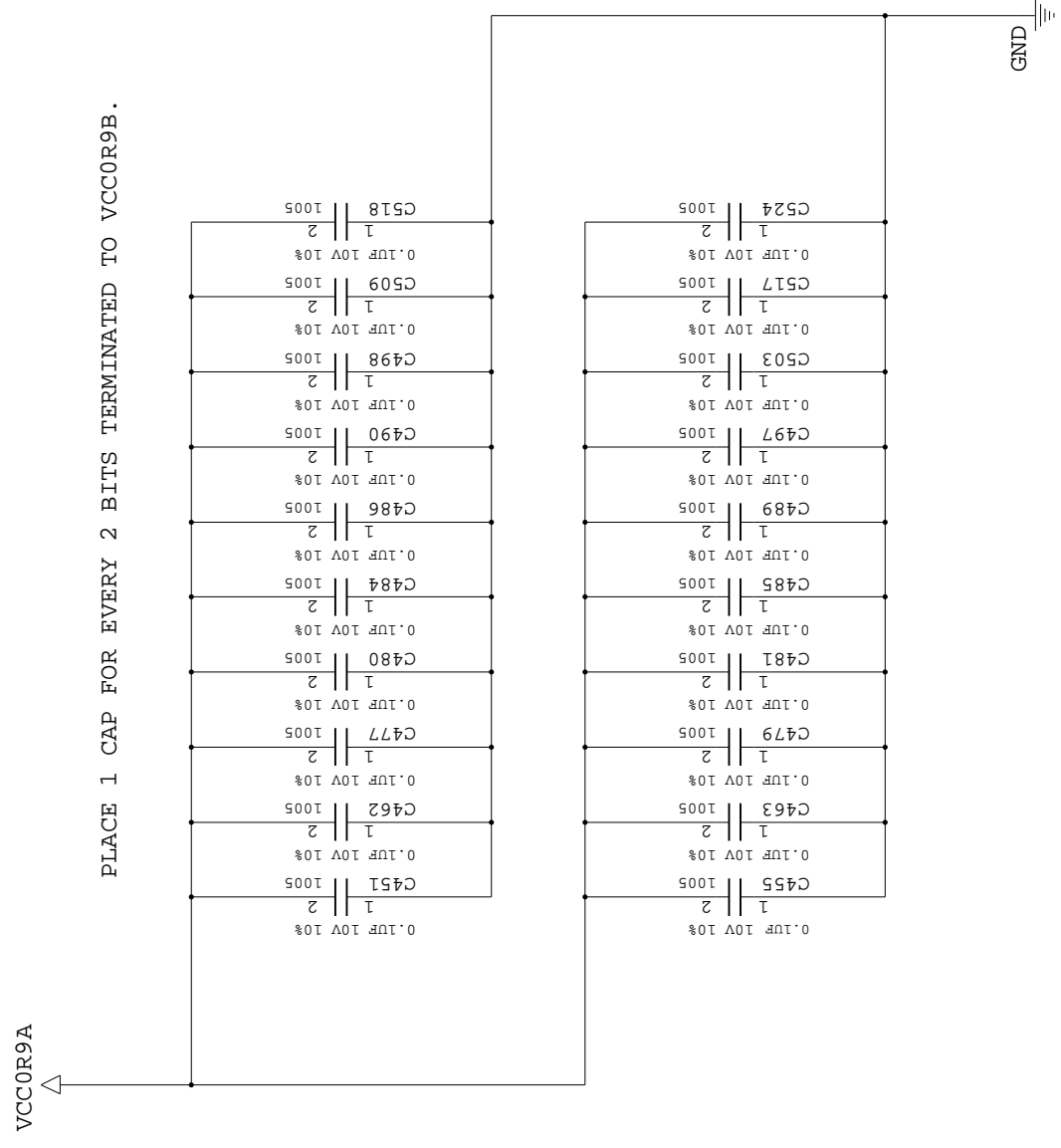
PART NO.	42W9347
TITLE	DAV3_HISUI5_W
TYPE	DDR2 SODIMM-B
REVERSE TYPE	
LENOVO CONFIDENTIAL	

VCC0R9A



DESIGNER	K. Y	04/10/07	PART NO.	42W9347
CHECKED	Y. Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H. K	04/10/07	CLASS	DDR-2 TERMINATION
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REL	DATE	EC NO.	PART NO.
	04/10/07	L09906	42W9347
			DEVELOPMENT NO.
			Q/M
			18 / 98

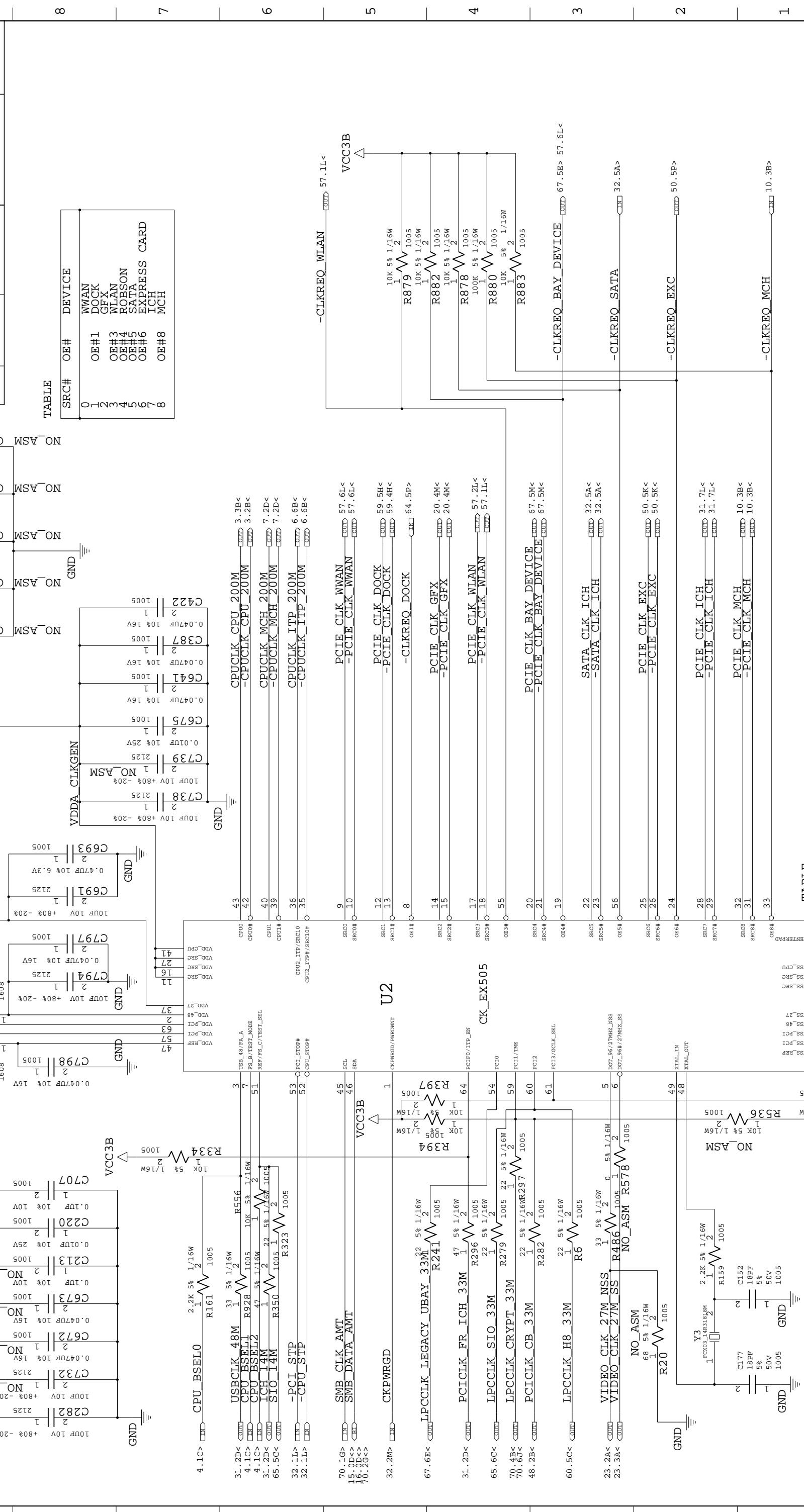


DESIGNER	K.Y	04/10/07	PART NO.
CHECKED	Y.Y	04/10/07	42W9347
APPROVED	H.K	04/10/07	TITLE DAV3_HISUI5_W
CLASS			DDR-2 DECOUPLING

42W9347

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TABLE

SRC#	OE#	DEVICE
0	OE#1	WWAN DOCK
1	OE#3	GFXX
2	OE#4	WLAN
3	OE#5	ROBSON
4	OE#6	SATA EXPRESS CARD
5	OE#7	ICH
6	OE#8	MCH

TABLE

BSEL2	BSEL1	BSEL0	FSC	FSB	FSA	CPU
0	1	1	0	1	1	166M
0	1	0	0	1	0	200M
0	0	0	0	0	0	266M
1	0	0	1	0	0	333M

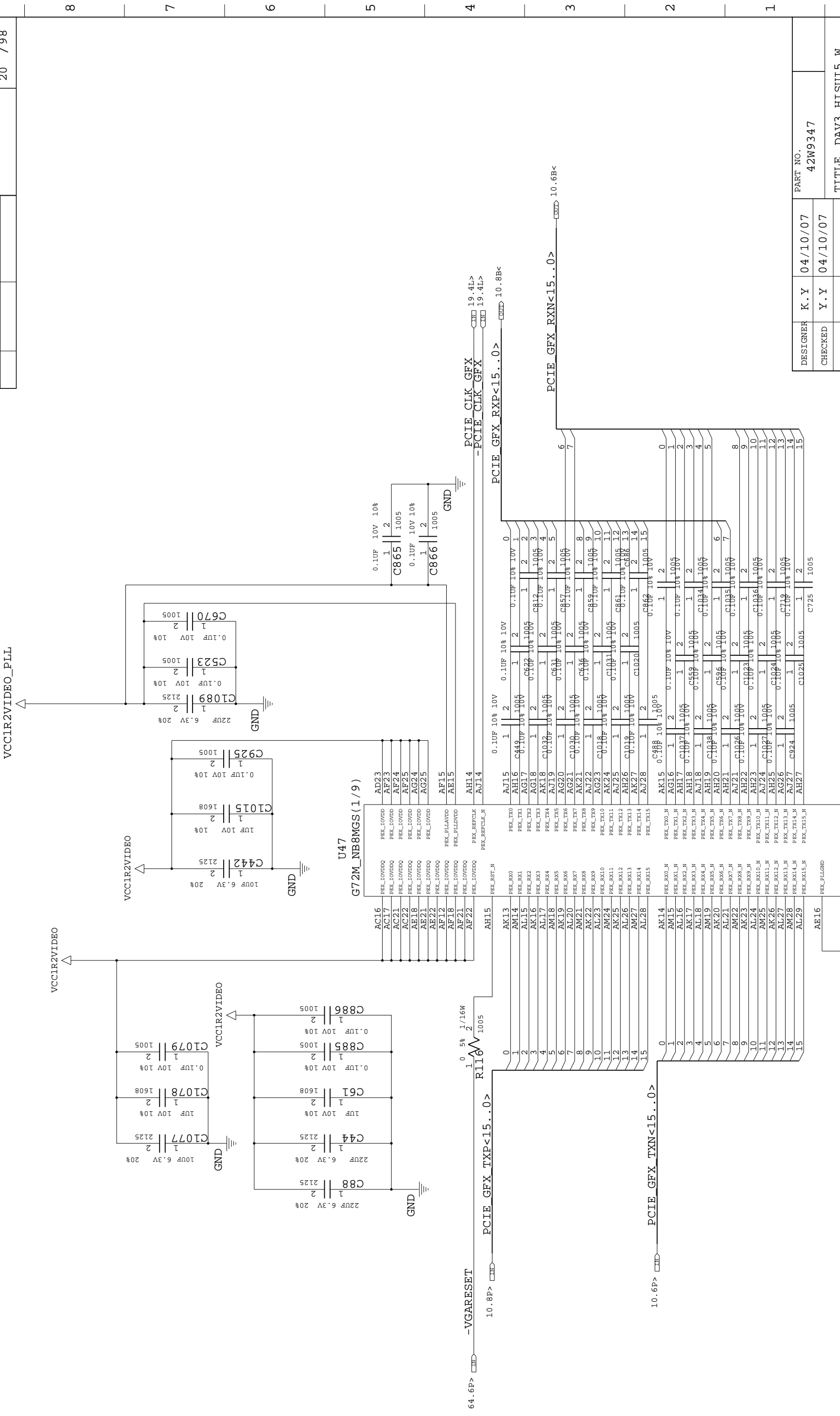
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CHECKED	Y.Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H.K	04/10/07	CLOCK GEN(ICS954309)	
CLASS				

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REL	DATE	EC NO.	PART NO.
04/10/07	L09906	42W9347	
			DEVELOPMENT NO.
			20 / 98

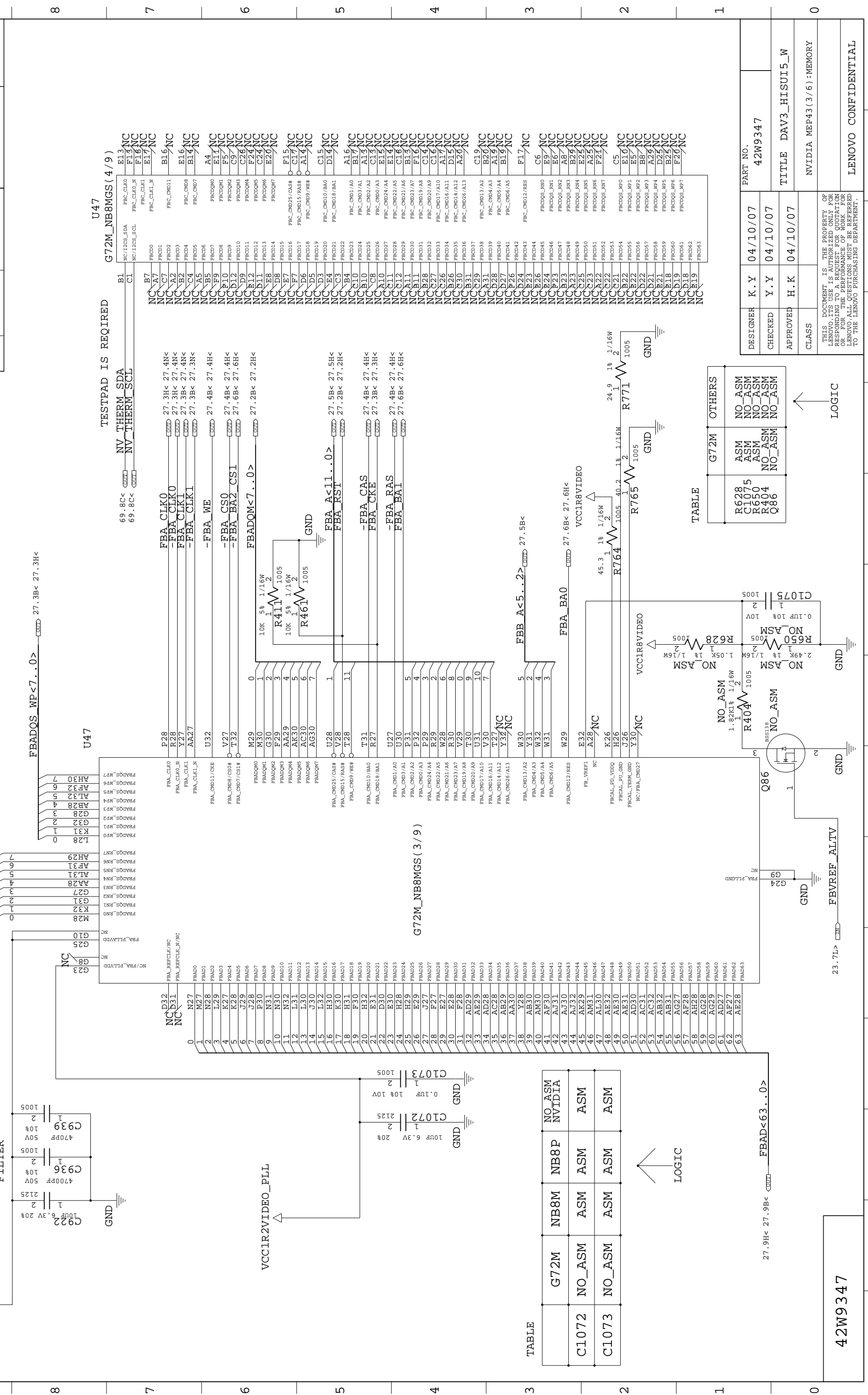


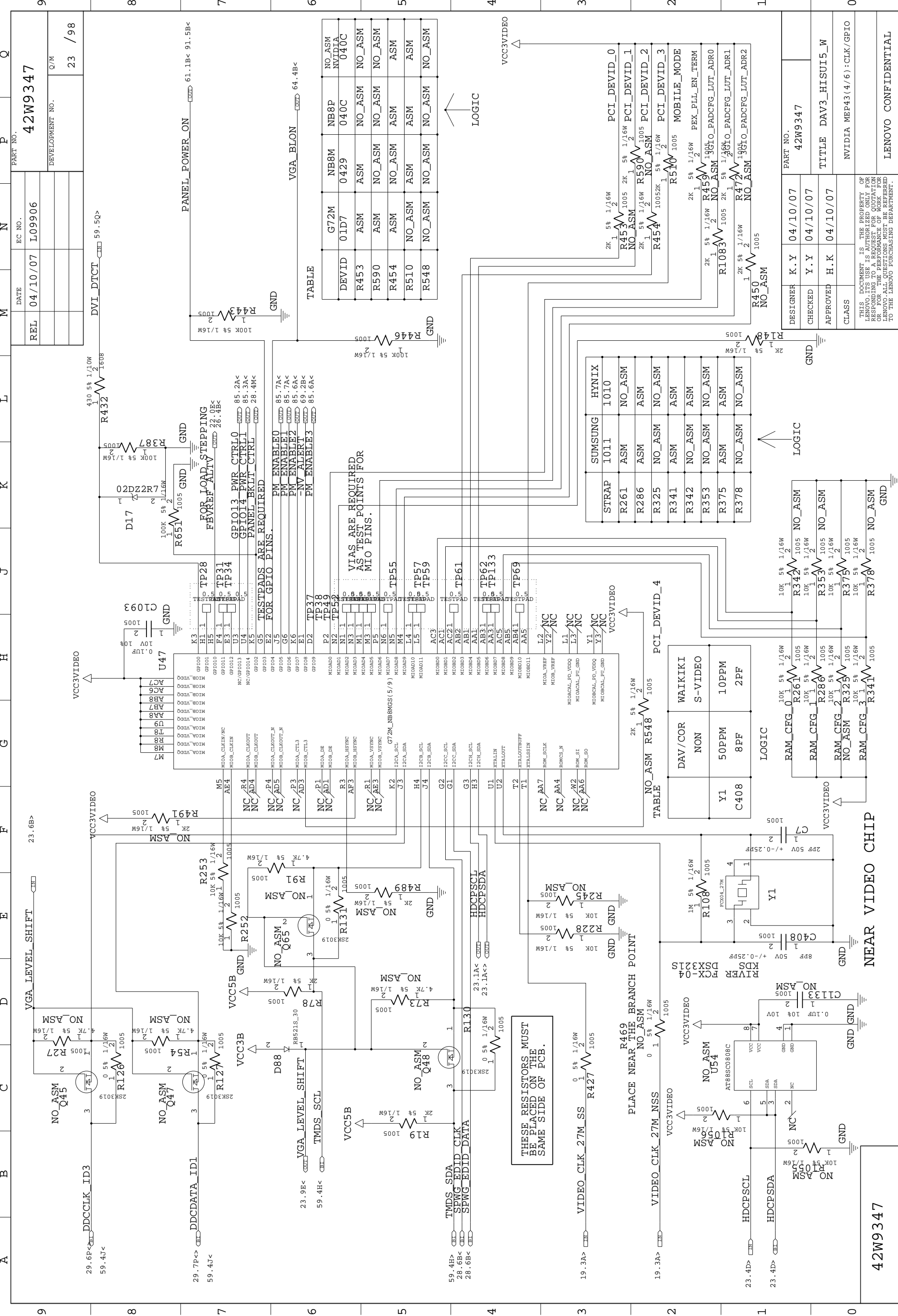
DESIGNER	K. Y	04/10/07	PART NO.	42W9347
CHECKED	Y. Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H. K	04/10/07		NVIDIA MEP43(1/6) : PEG I/F
CLASS				

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REL	DATE	EC NO.	PART NO.
04/10/07	L09906		42W9347

DESIGNER	CHECKED	APPROVED	CLASS
K.Y	Y.Y	H.K	

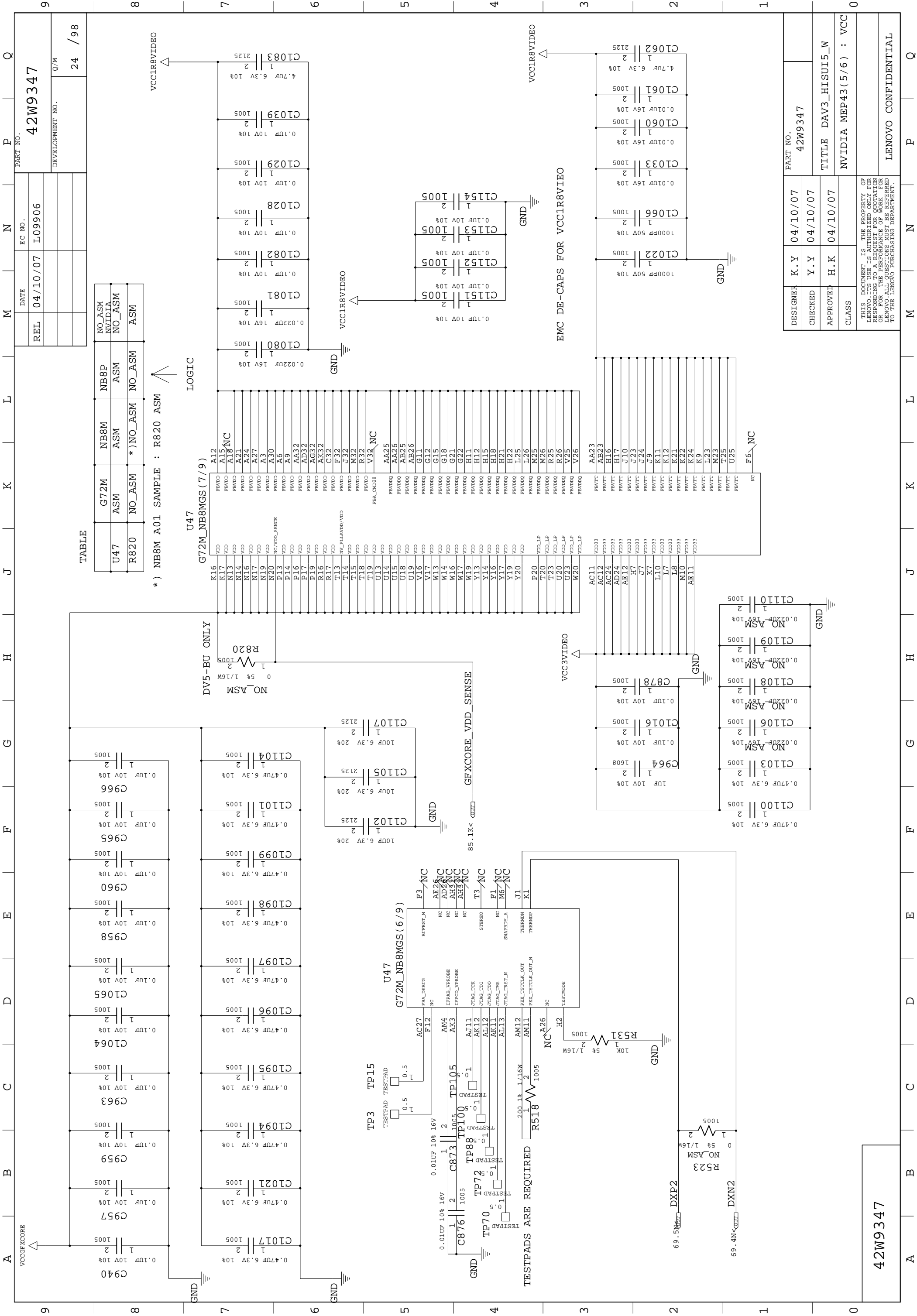
DEVID	NO_ASM	NB8P	NV_IDIA
R453	ASM	0429	040C
R590	ASM		
R454	ASM		
R510	NO_ASM		
R548	NO_ASM		

STRAP	HYNIX	1010
R261	ASM	NO_ASM
R286	ASM	ASM
R325	NO_ASM	NO_ASM
R341	ASM	ASM
R342	NO_ASM	ASM
R353	NO_ASM	NO_ASM
R375	ASM	ASM
R378	NO_ASM	NO_ASM

DAV/COR	NON	WAIKIKI	S-VIDEO
Y1	50PPM	10PPM	2PF
C408	8PF	LOGIC	LOGIC

RAM_CFG_0	10K 5% 1/16W	NO_ASM
R261	NO_ASM	NO_ASM
R286	NO_ASM	NO_ASM
R325	NO_ASM	NO_ASM

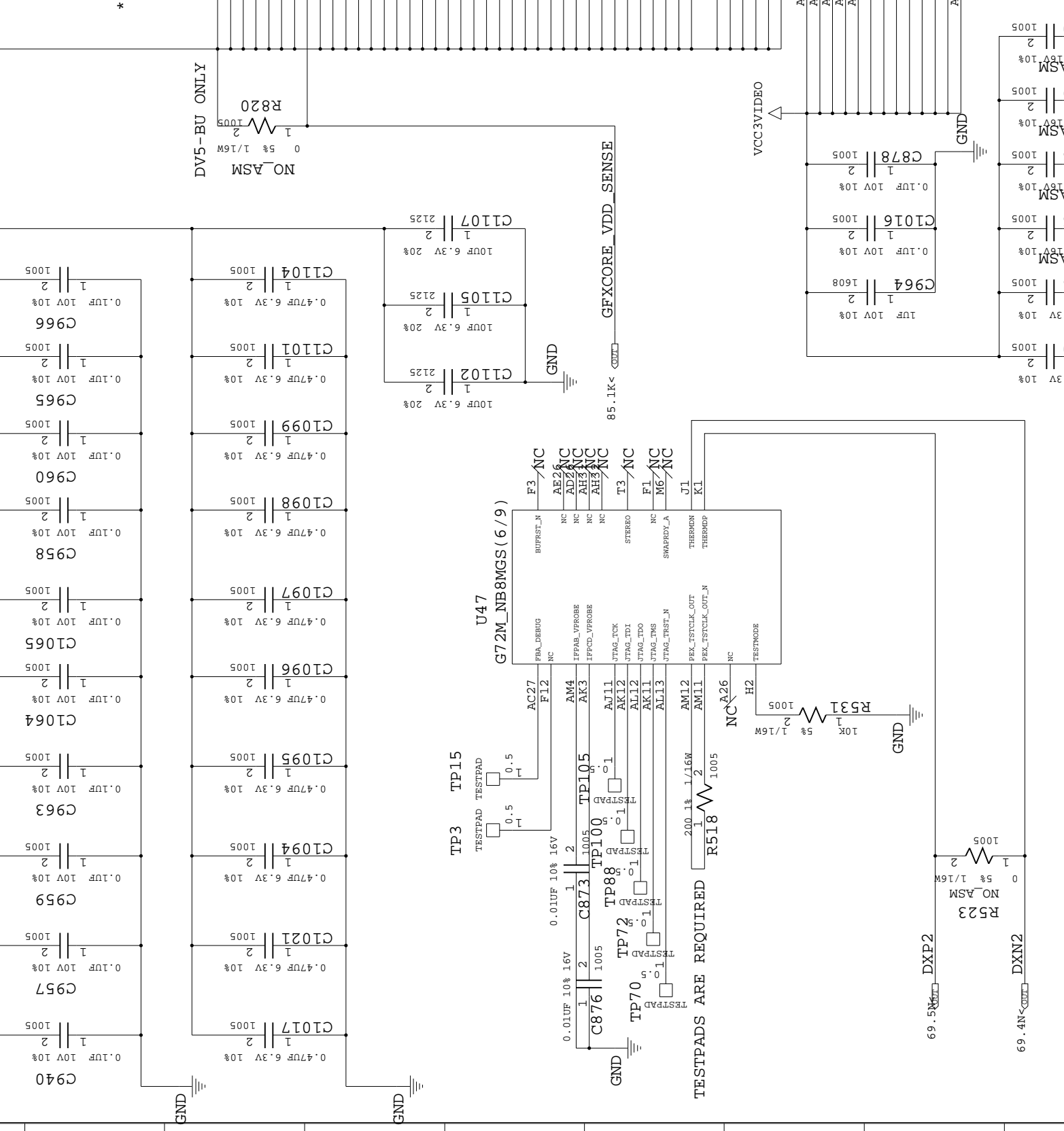
DESIGNER	PART NO.
K.Y	42W9347



REL	04/10/07	L09906	42W9347
DATE	04/10/07	L09906	42W9347
EC NO.			
PART NO.			
DEVELOPMENT NO.			
Q/M			24 / 98

	G72M ASM	NB8M ASM	NB8P ASM	NO_ASM
U47	ASM	ASM	ASM	NO_ASM
R820	NO_ASM	*) NO_ASM	NO_ASM	ASM

*) NB8M A01 SAMPLE : R820 ASM



DESIGNER	K. Y	04/10/07	42W9347
CHECKED	Y. Y	04/10/07	
APPROVED	H. K	04/10/07	
CLASS			
PART NO.		42W9347	
TITLE		DAV3_HISUI5_W	
CLASS		NVIDIA MEP43(5/6) : VCC	

42W9347

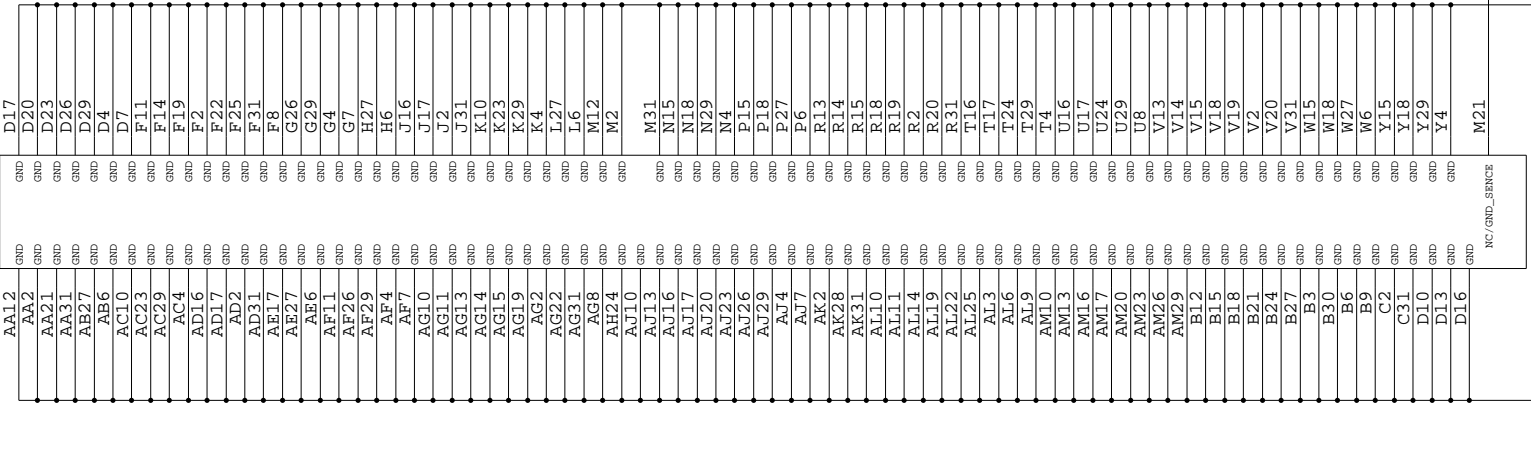
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REL	DATE	EC NO.	PART NO.
REL	04/10/07	L09906	42W9347
			DEVELOPMENT NO.
			Q/M
			25 / 98

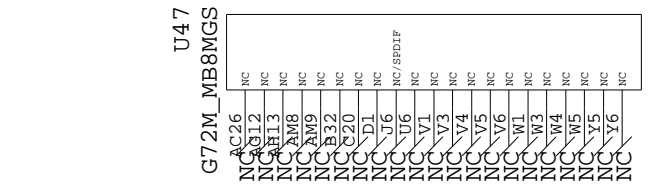
U47

G72M_NB8MGS (8/9)



U47

G72M_MB8MGS (9/9)

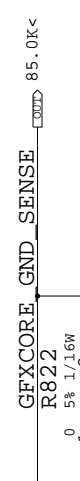


TABLE

U47	G72M	NB8M	NB8P	NO_ASM	NO_ASM
R822	ASM	ASM	ASM	NO_ASM	NO_ASM
	NO_ASM	NO_ASM	NO_ASM	NO_ASM	ASM

*) NB8M A01 SAMPLE : R822 ASM

LOGIC

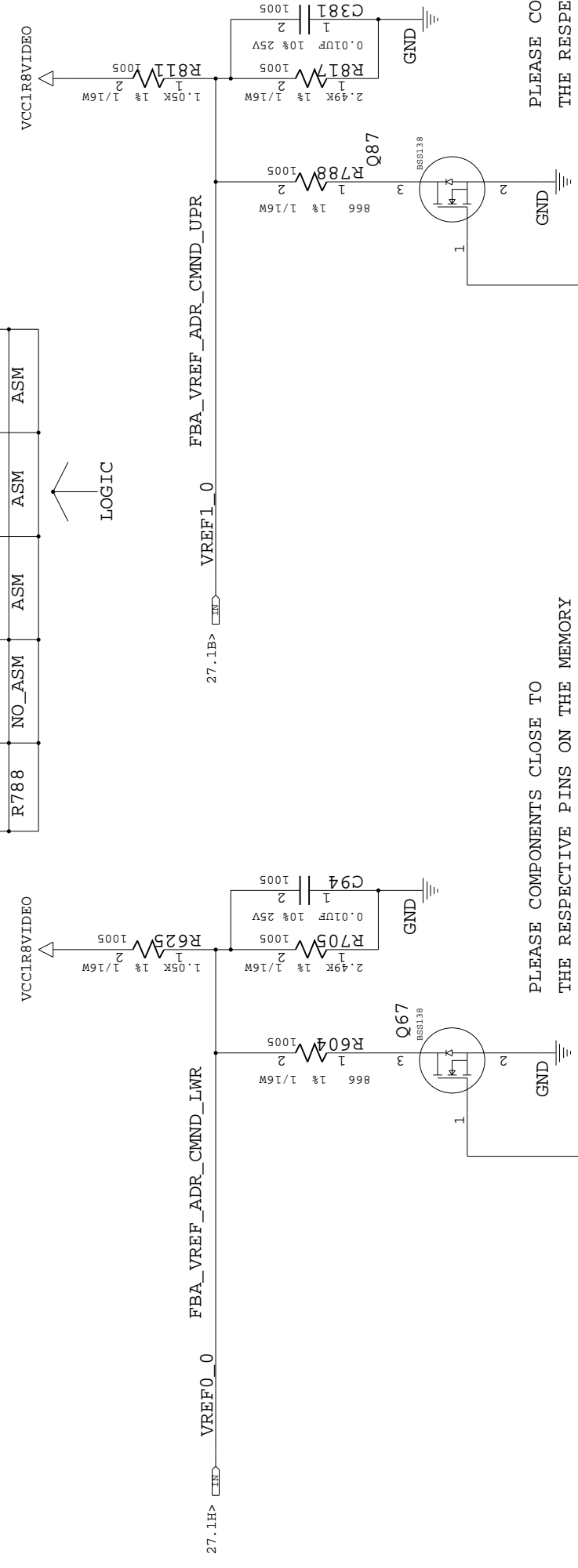


DESIGNER	K.Y	04/10/07	PART NO.	42W9347
CHECKED	Y.Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H.K	04/10/07	CLASS	NVIDIA MEP43(6/6) : GND
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REL	DATE	EC NO.	PART NO.
	04/10/07	L09906	42W9347
			DEVELOPMENT NO.
			Q/M
			26 / 98

TABLE

Q67	G72M	NB8M	NB8P	NO_ASM NVIDIA
Q87	NO_ASM	ASM	ASM	ASM
R604	NO_ASM	ASM	ASM	ASM
R788	NO_ASM	ASM	ASM	ASM

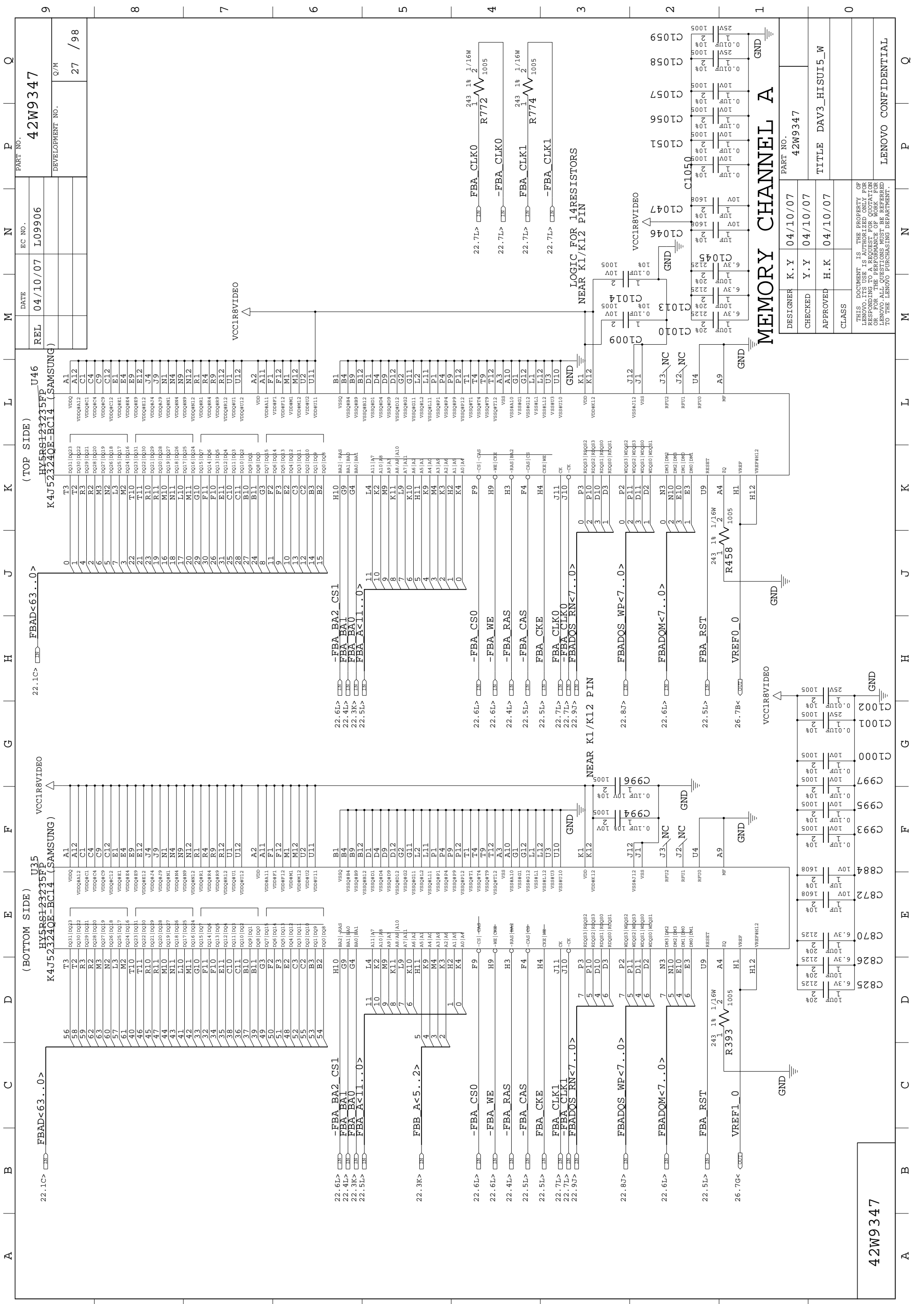


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PLEASE COMPONENTS CLOSE TO
THE RESPECTIVE PINS ON THE MEMORY

DESIGNER	K.Y	04/10/07	PART NO.	42W9347
CHECKED	Y.Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H.K	04/10/07	CLASS	DYNAMIC MEMORY TERMINATION
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42W9347



MEMORY CHANNEL A

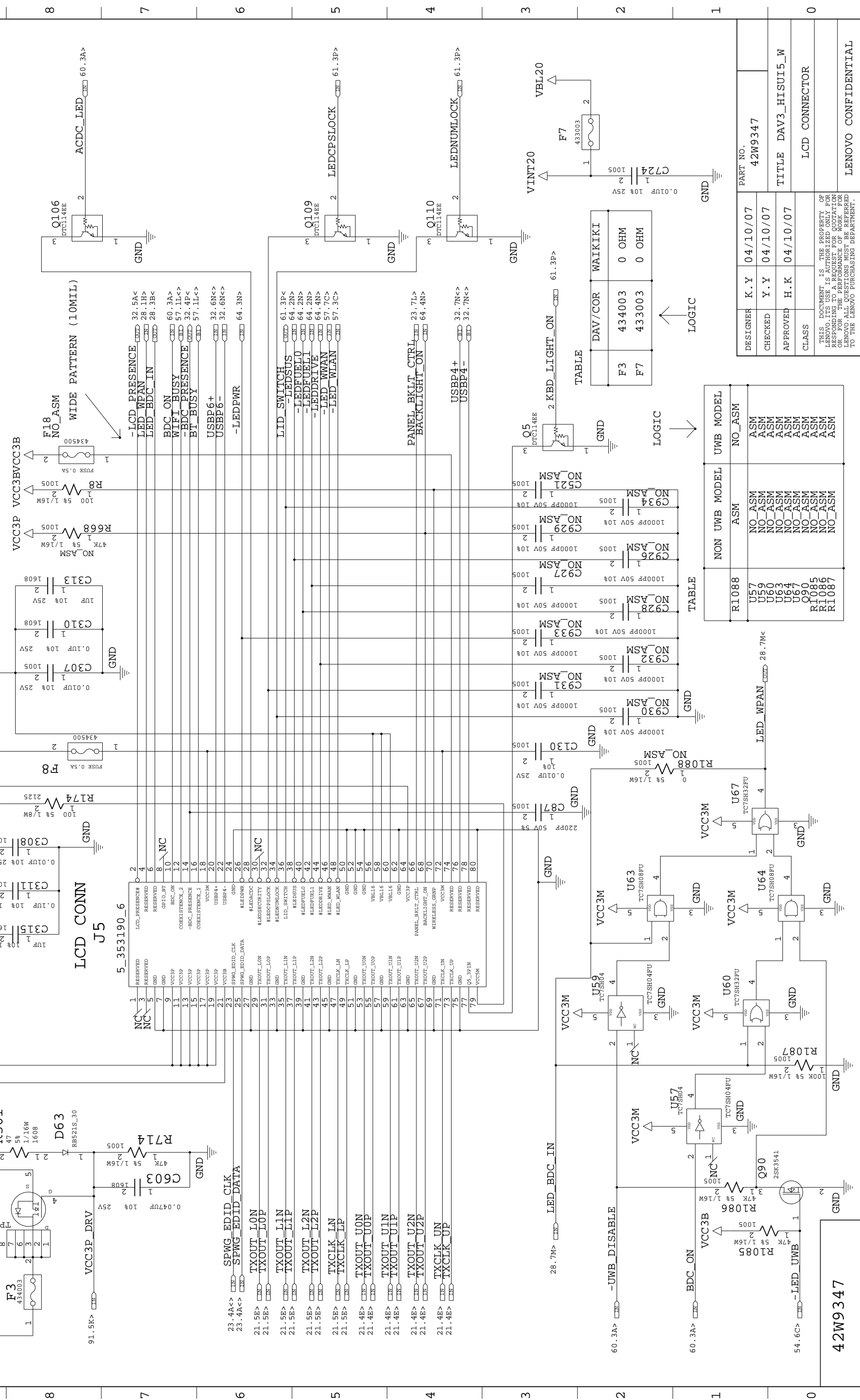
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CHECKED	Y.Y	DATE	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H.K	DATE	04/10/07		
CLASS					

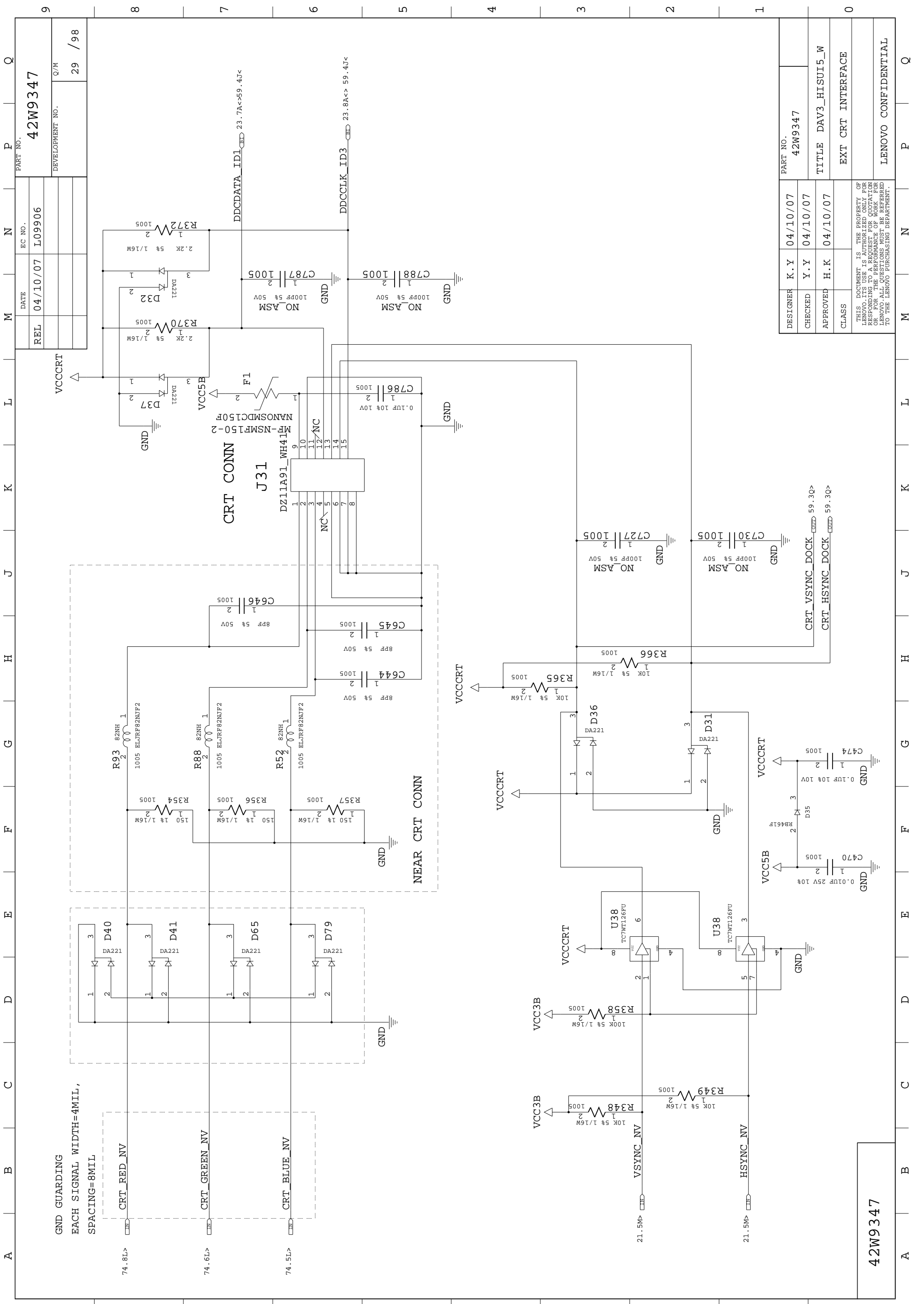
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REL	04/10/07	EC NO.	L09906	PART NO.	42W9347
DEV		DATE		DEVELOPMENT NO.	28 / 98





GND GUARDING
EACH SIGNAL WIDTH=4MIL,
SPACING=8MIL

74.8L> CRT_RED_NV

74.6L> CRT_GREEN_NV

74.5L> CRT_BLUE_NV

NEAR CRT CONN

CRT CONN

J31

VCC5B

VCC3B

VCC3B

21.5M<

21.5M<

CRT_VSYNC_DOCK

CRT_HSYNC_DOCK

42W9347

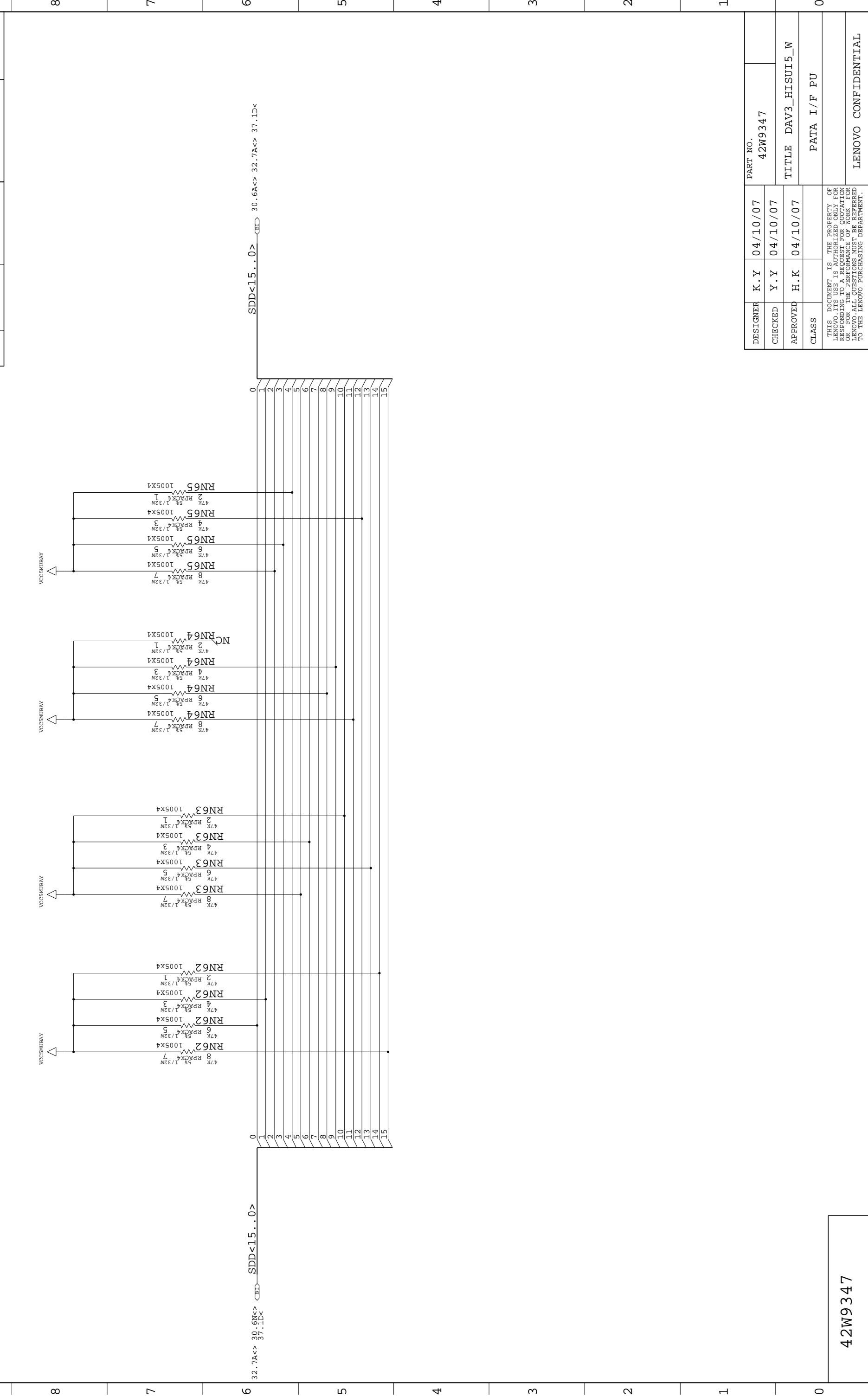
REL	DATE	EC NO.	PART NO.	
	04/10/07	L09906	42W9347	
			DEVELOPMENT NO.	Q/M
				29 / 98

DESIGNER	K.Y	04/10/07	PART NO.	42W9347
CHECKED	Y.Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H.K	04/10/07	CLASS	EXT CRT INTERFACE
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REL	04/10/07	EC NO.	L09906	PART NO.	42W9347
				DEVELOPMENT NO.	30 / 98



DESIGNER	K.Y	04/10/07	PART NO.	42W9347
CHECKED	Y.Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H.K	04/10/07	CLASS	PATA I/F PU
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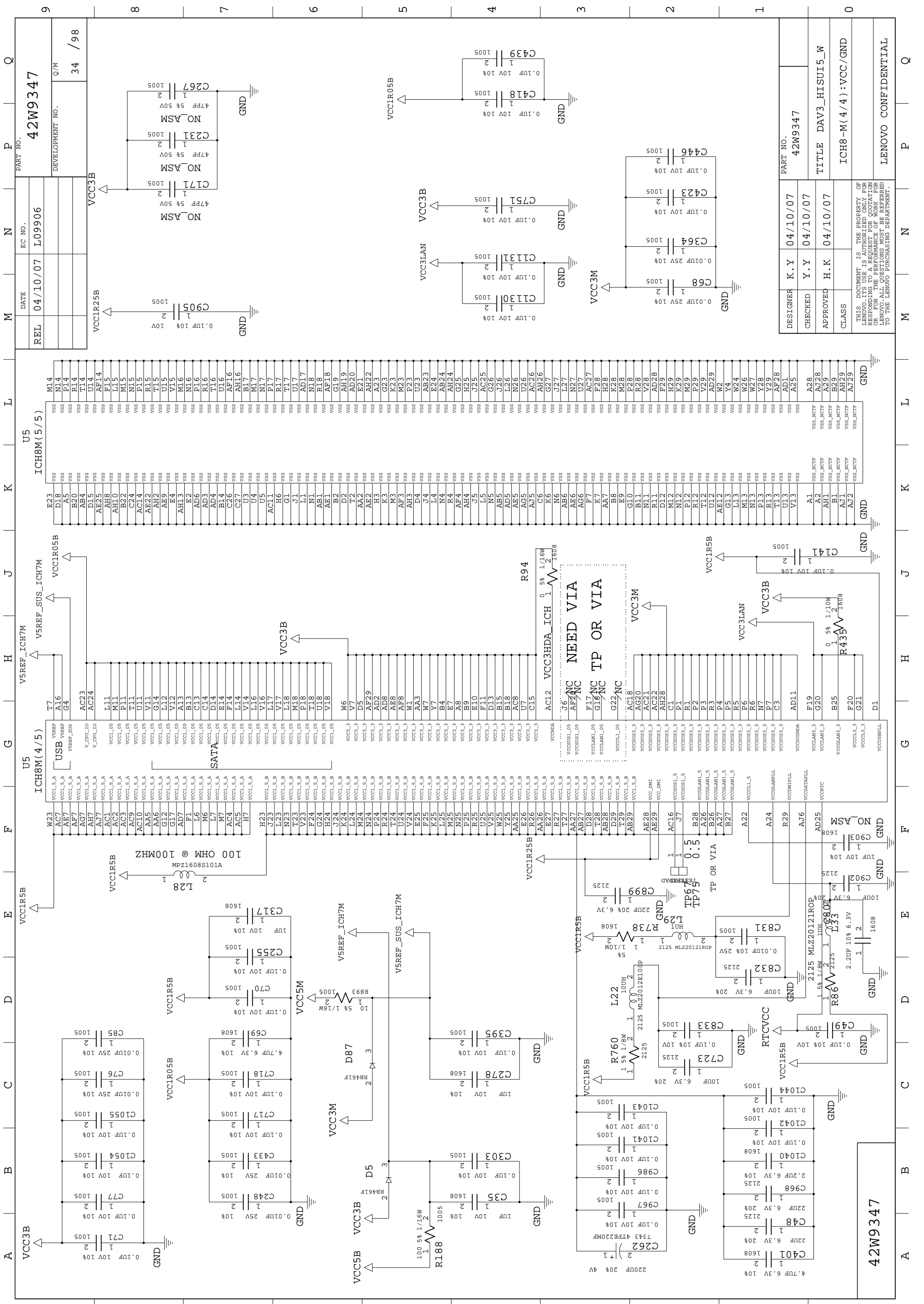
42W9347

REL	04/10/07	L09906	42W9347
			42W9347
			33 / 98

U5
 ICH8M(3/5)

57.7L>	PCIE_WWAN_RXP	P26	PERP1	N28	0.1UF 10% 10V	1	2	PCIE_WWAN_TXP	57.7L<
57.6L>	PCIE_WWAN_RXN	P27	PERN1	N29	C569	0.10F	1005	PCIE_WWAN_TXN	57.7L<
57.2L>	PCIE_WLAN_RXP	M26	PERP2	L28	C601	0.10F	1005	PCIE_WLAN_TXP	57.3L<
57.2L>	PCIE_WLAN_RXN	M27	PERN2	L29	C246	0.10F	1005	PCIE_WLAN_TXN	57.2L<
67.6M>	PCIE_BAY_DEVICE_RXP	K26	PERP3	J28	C250	0.10F	1005	PCIE_BAY_DEVICE_TXP	67.5M>
67.5M>	PCIE_BAY_DEVICE_RXN	K27	PERN3	J29	C828	0.10F	1005	PCIE_BAY_DEVICE_TXN	67.5M>
50.5K>	PCIE_EXC_RXP	H26	PERP4	G28	C252	0.10F	1005	PCIE_EXC_TXP	50.4K<
50.5K>	PCIE_EXC_RXN	H27	PERN4	G29	C245	0.10F	1005	PCIE_EXC_TXN	50.5K<
59.6A>	PCIE_DOCK_RX1P	F26	PERP5	E28	C1067	0.10F	1005	PCIE_DOCK_TX1P	59.5H<
59.5A>	PCIE_DOCK_RX1N	F27	PERN5	E29	C1076	0.10F	1005	PCIE_DOCK_TX1N	59.5H<
53.6F>	GLAN_RXP	D26	PERP6/GLAN_RXP	C28	C720	0.10F	1005	GLAN_TXP	53.6F<
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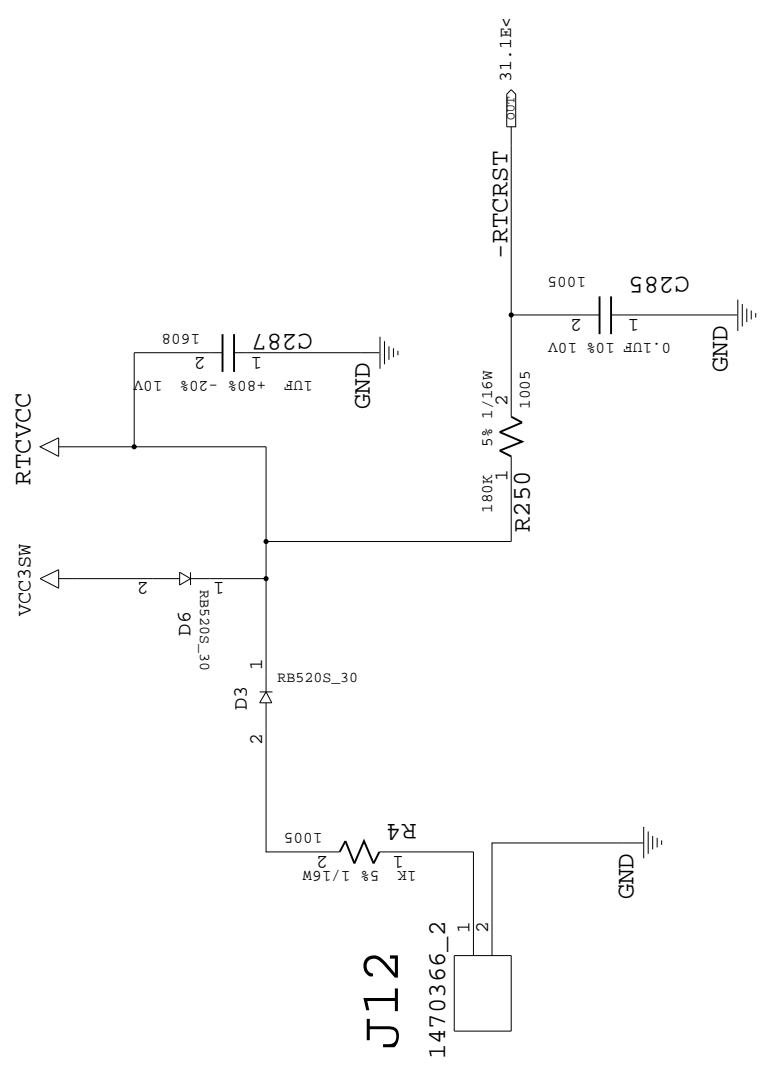
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CHECKED	Y.Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H.K	04/10/07	CLASS	ICH8-M(3/4):PCI EXPRESS
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REL	DATE	EC NO.	PART NO.
	04/10/07	L09906	42W9347
			DEVELOPMENT NO.
			34 / 98
			Q/M

DESIGNER	K. Y	04/10/07	PART NO.	42W9347
CHECKED	Y. Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H. K	04/10/07	CLASS	ICH8-M(4/4):VCC/GND
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REL	DATE	EC NO.	PART NO.
	04/10/07	L09906	42W9347
			DEVELOPMENT NO.
			Q/M
			35 / 98

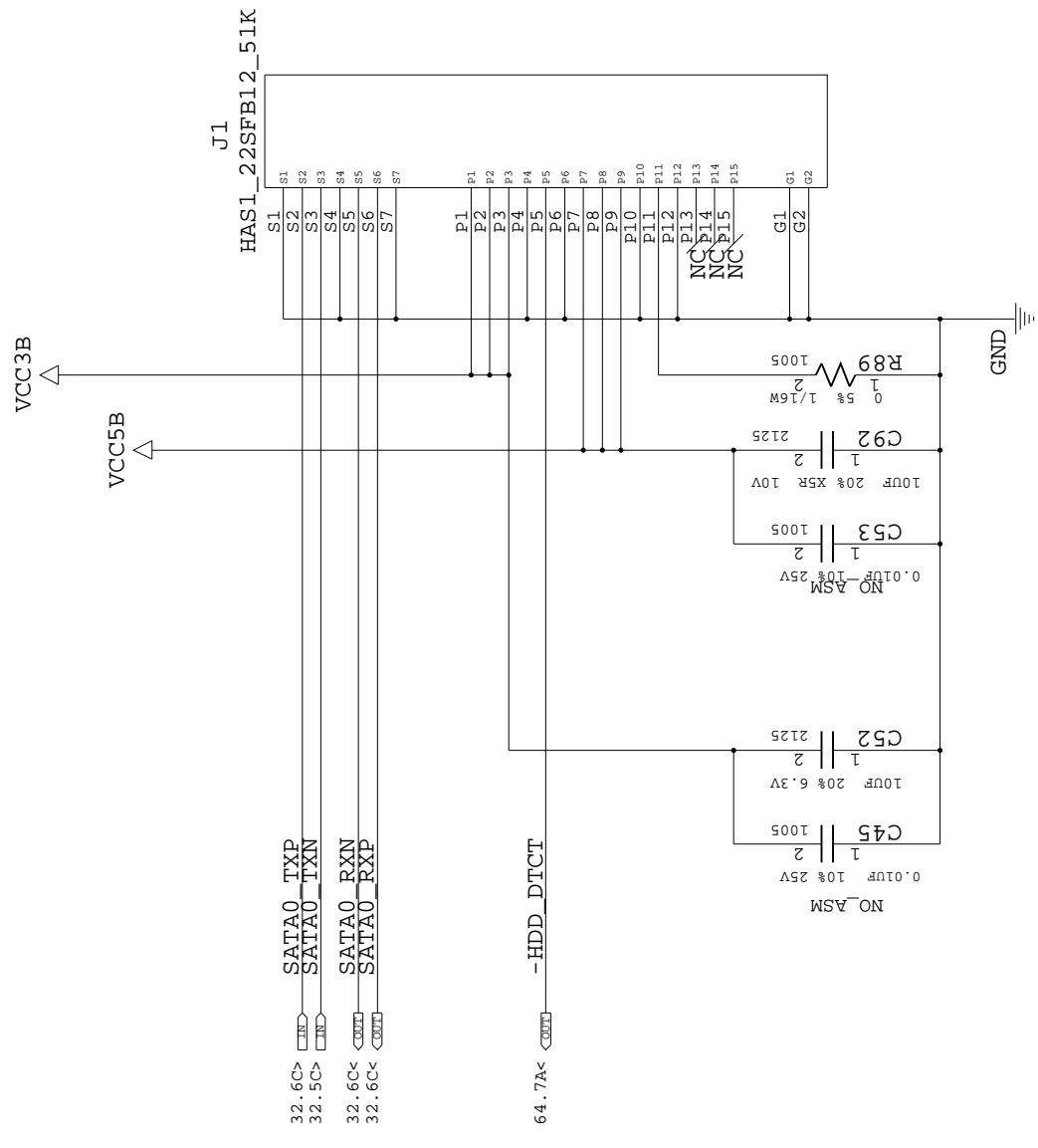


DESIGNER	K.Y	04/10/07	PART NO.
CHECKED	Y.Y	04/10/07	42W9347
APPROVED	H.K	04/10/07	TITLE DAV3_HISUI5_W
CLASS			FWH, RTC BATTERY

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42W9347

REL	DATE	EC NO.	PART NO.
	04/10/07	L09906	42W9347
			DEVELOPMENT NO.
			36 / 98

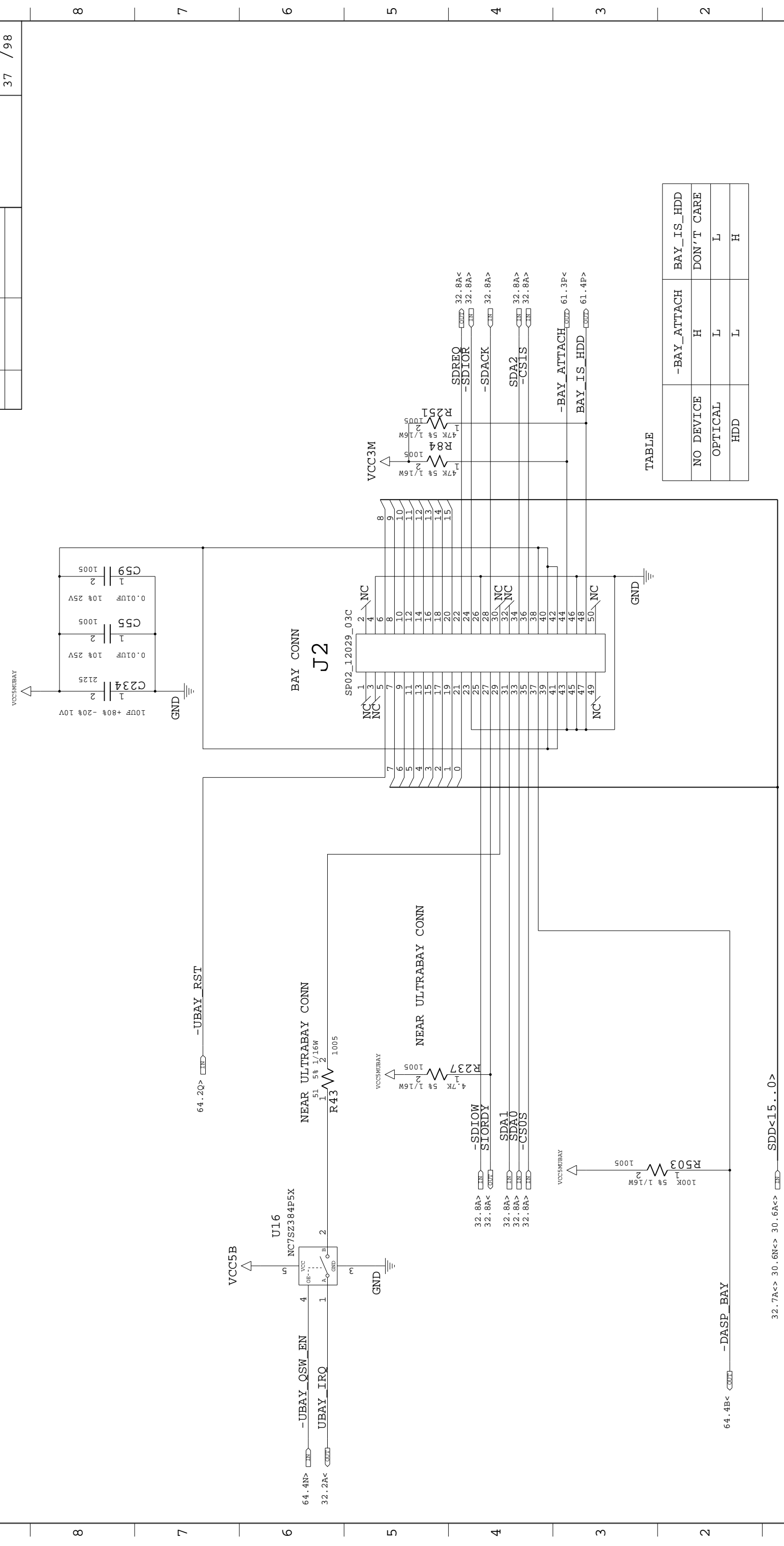


DESIGNER	K.Y	04/10/07	PART NO.
CHECKED	Y.Y	04/10/07	42W9347
APPROVED	H.K	04/10/07	TITLE DAV3_HISUI5_W
CLASS			SATA HDD CONN

42W9347

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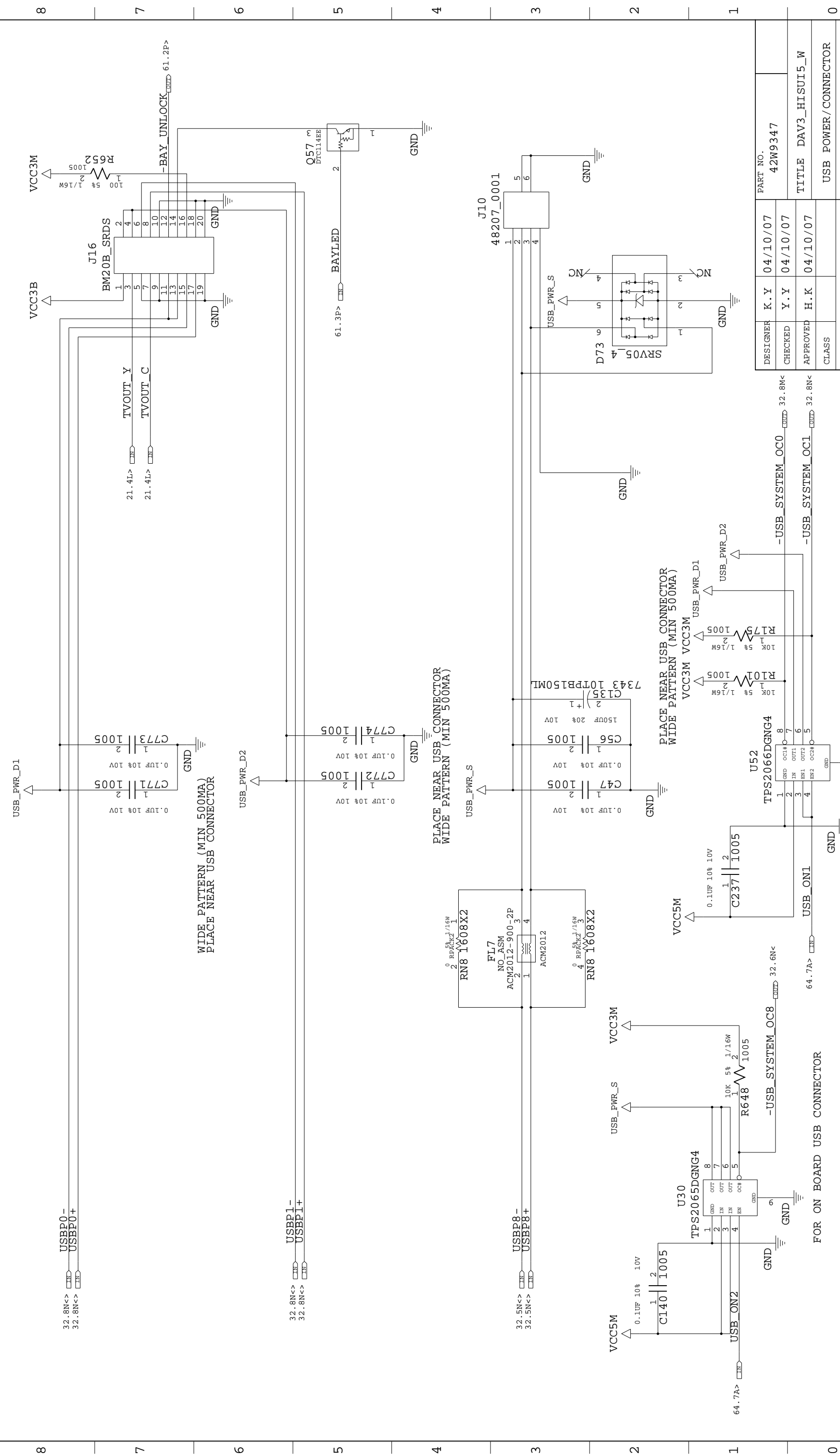


TABLE

	-BAY_ATTACH	BAY_IS_HDD
NO DEVICE	H	DON'T CARE
OPTICAL	L	L
HDD	L	H

DESIGNER	K.Y	04/10/07	PART NO.
CHECKED	Y.Y	04/10/07	42W9347
APPROVED	H.K	04/10/07	TITLE DAV3_HISUI5_W
CLASS			BAY I/F CONN

REL	DATE	EC NO.	PART NO.
	04/10/07	L09906	42W9347
			DEVELOPMENT NO.
			38 / 98

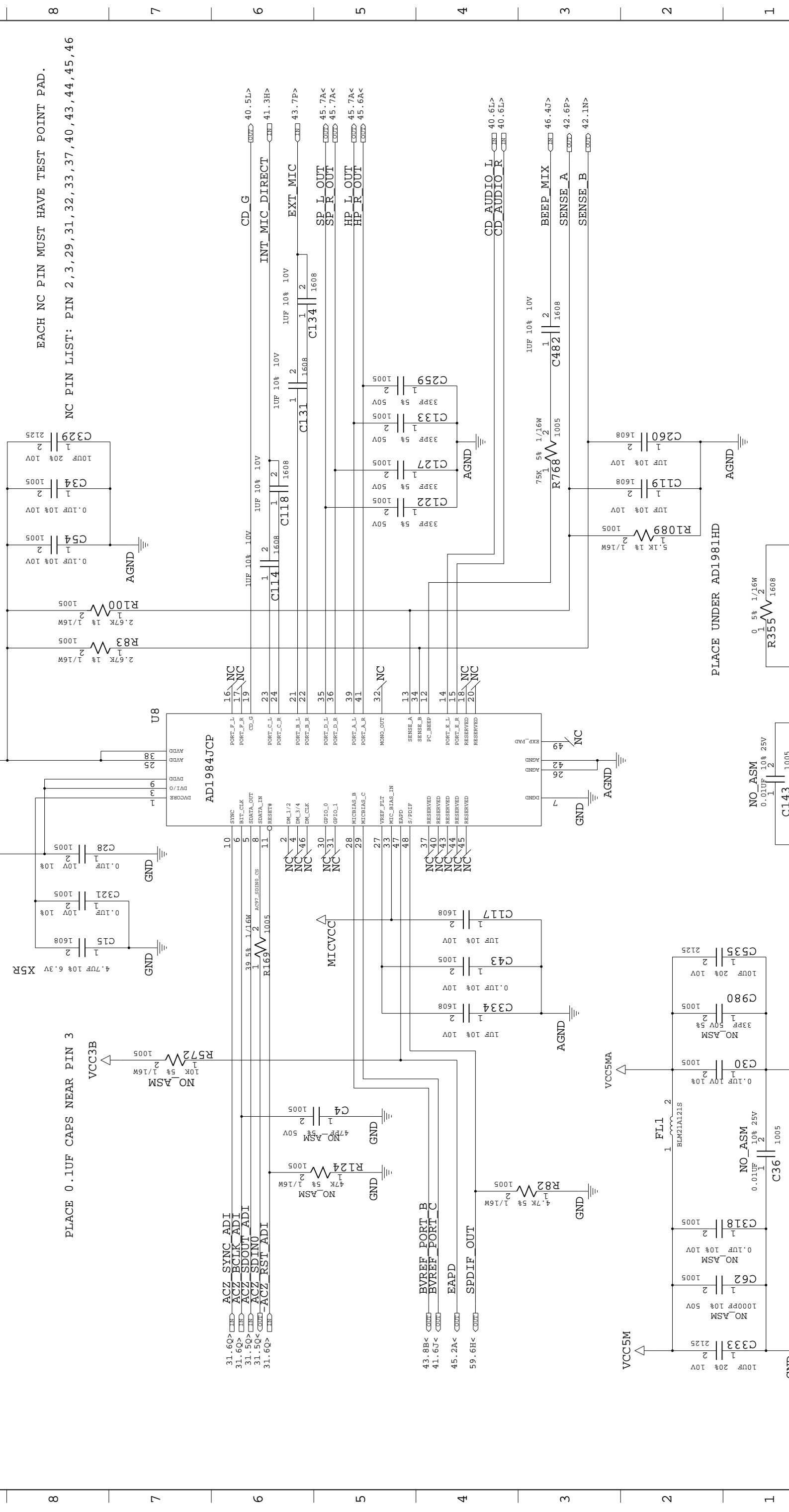


DESIGNER	K.Y	04/10/07	PART NO.	42W9347
CHECKED	Y.Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H.K	04/10/07	CLASS	USB POWER/CONNECTOR

42W9347

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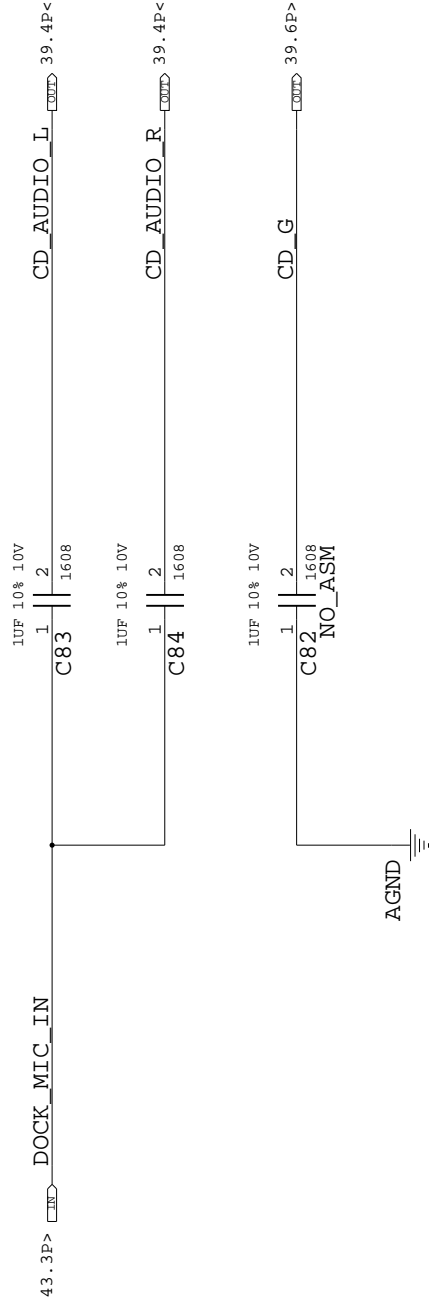
A B C D E F G H J K L M N P Q



EACH NC PIN MUST HAVE TEST POINT PAD.
 NC PIN LIST: PIN 2,3,29,31,32,33,37,40,43,44,45,46

DESIGNER	K.Y	04/10/07	PART NO.	42W9347
CHECKED	Y.Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H.K	04/10/07	CLASS	AUDIO ADI1981HD
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REL	DATE	EC NO.	PART NO.
	04/10/07	L09906	42W9347
			DEVELOPMENT NO.
			40 / 98



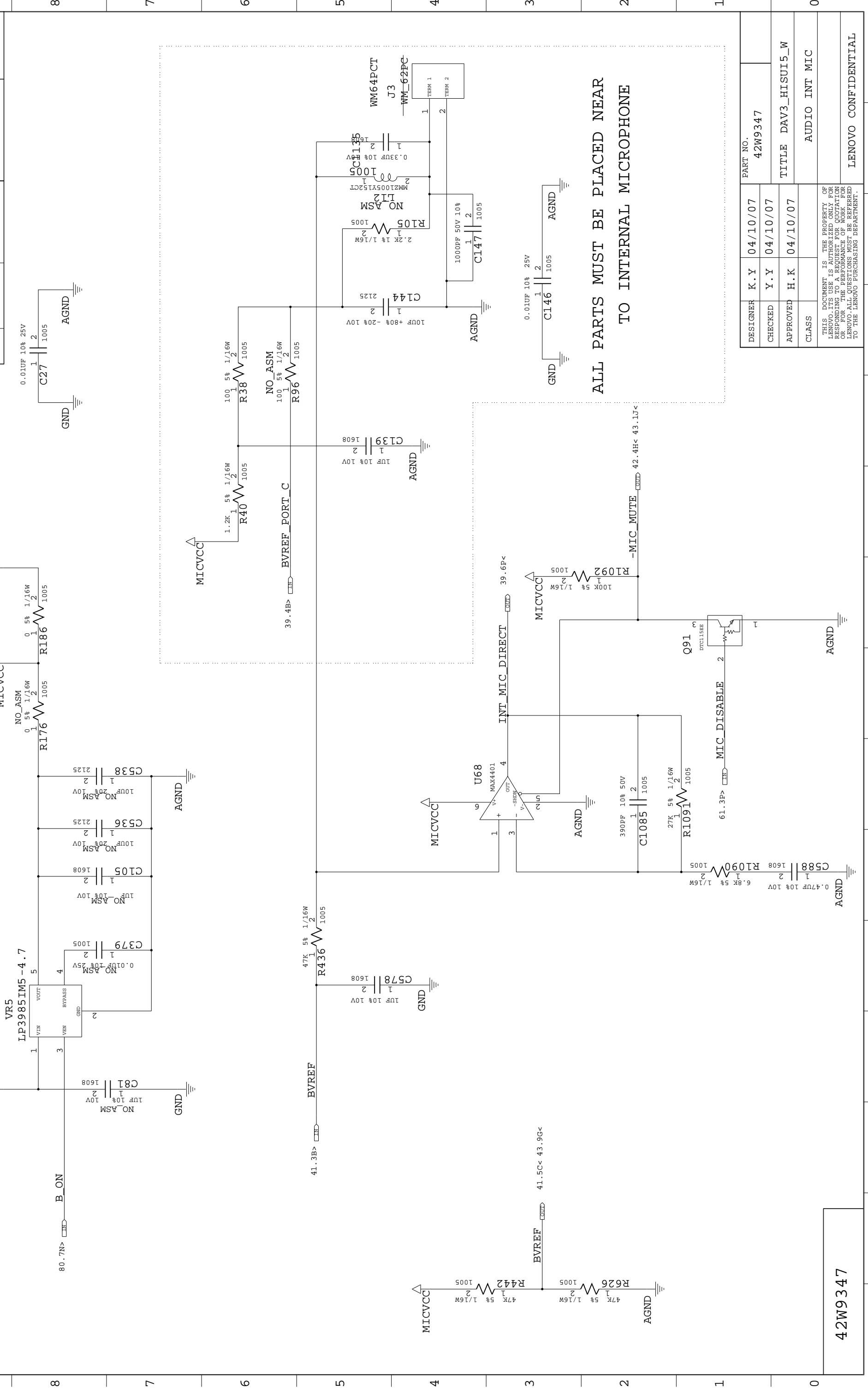
CONTACT NEAR DOCKING CONN

DESIGNER	K.Y	04/10/07	PART NO.	42W9347
CHECKED	Y.Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H.K	04/10/07	CLASS	AUDIO MISC
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42W9347

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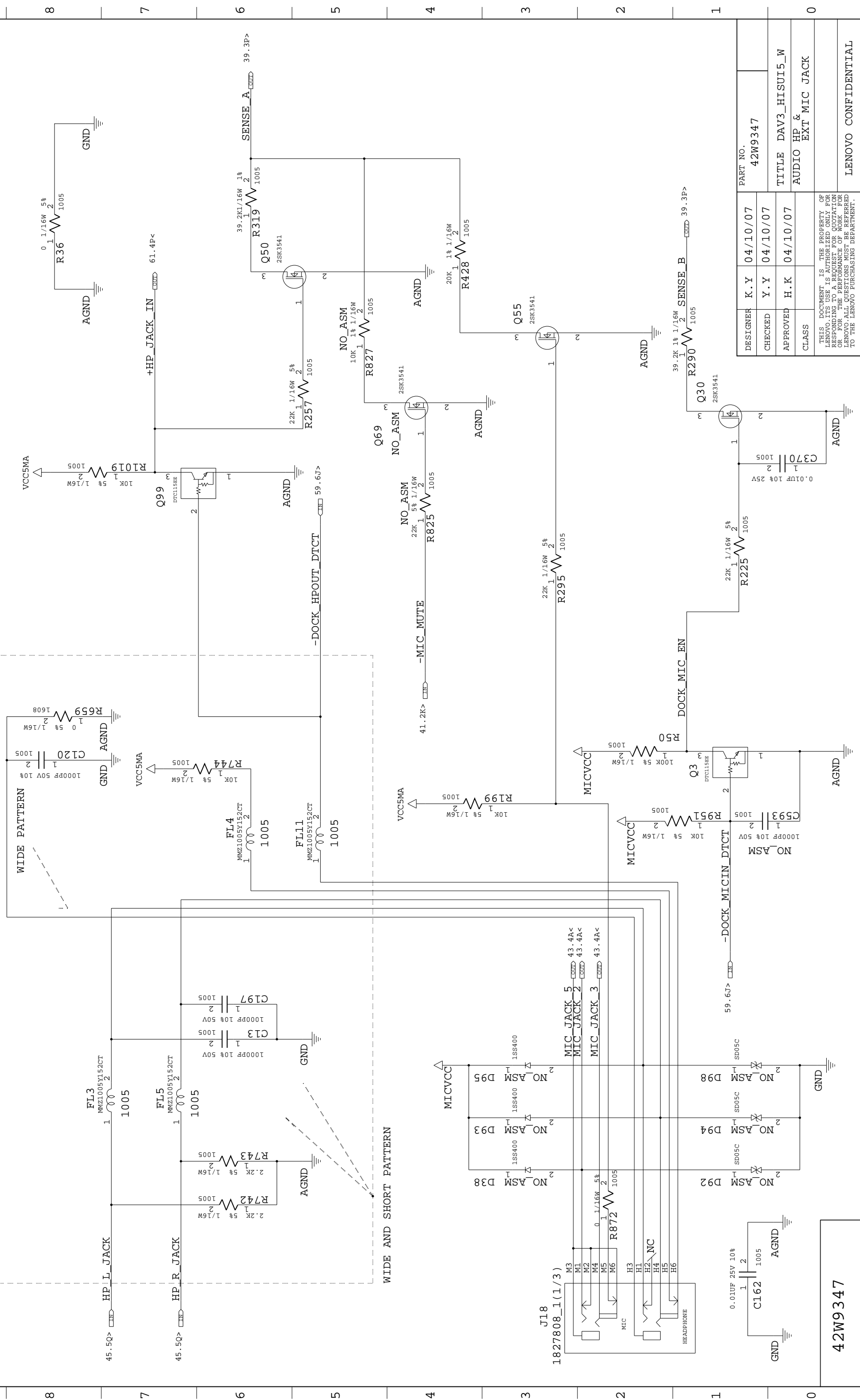
LD3985G47 (ST MICRO) IS ALTERNATIVES FOR VR5



42W9347

DESIGNER	K.Y	04/10/07	PART NO.	42W9347
CHECKED	Y.Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H.K	04/10/07	CLASS	AUDIO INT MIC
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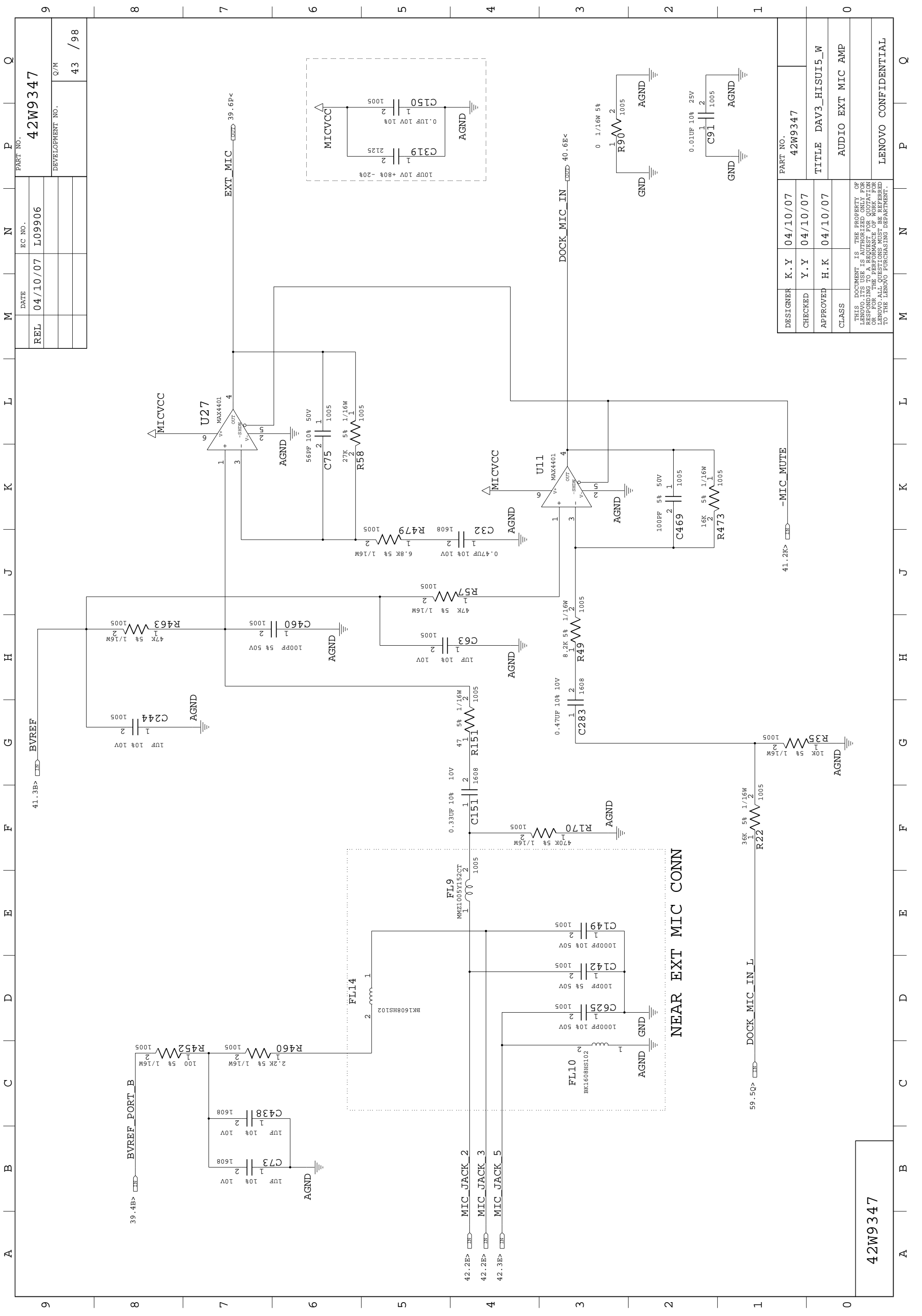
NEAR HEADPHONE CONN



REL	04/10/07	L09906	42W9347
DATE	04/10/07	L09906	42W9347
EC NO.			
PART NO.			
DEVELOPMENT NO.			
Q/M			
			42 / 98

DESIGNER	K.Y	04/10/07	PART NO.	42W9347
CHECKED	Y.Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H.K	04/10/07	AUDIO HP & EXT MIC JACK	
CLASS				
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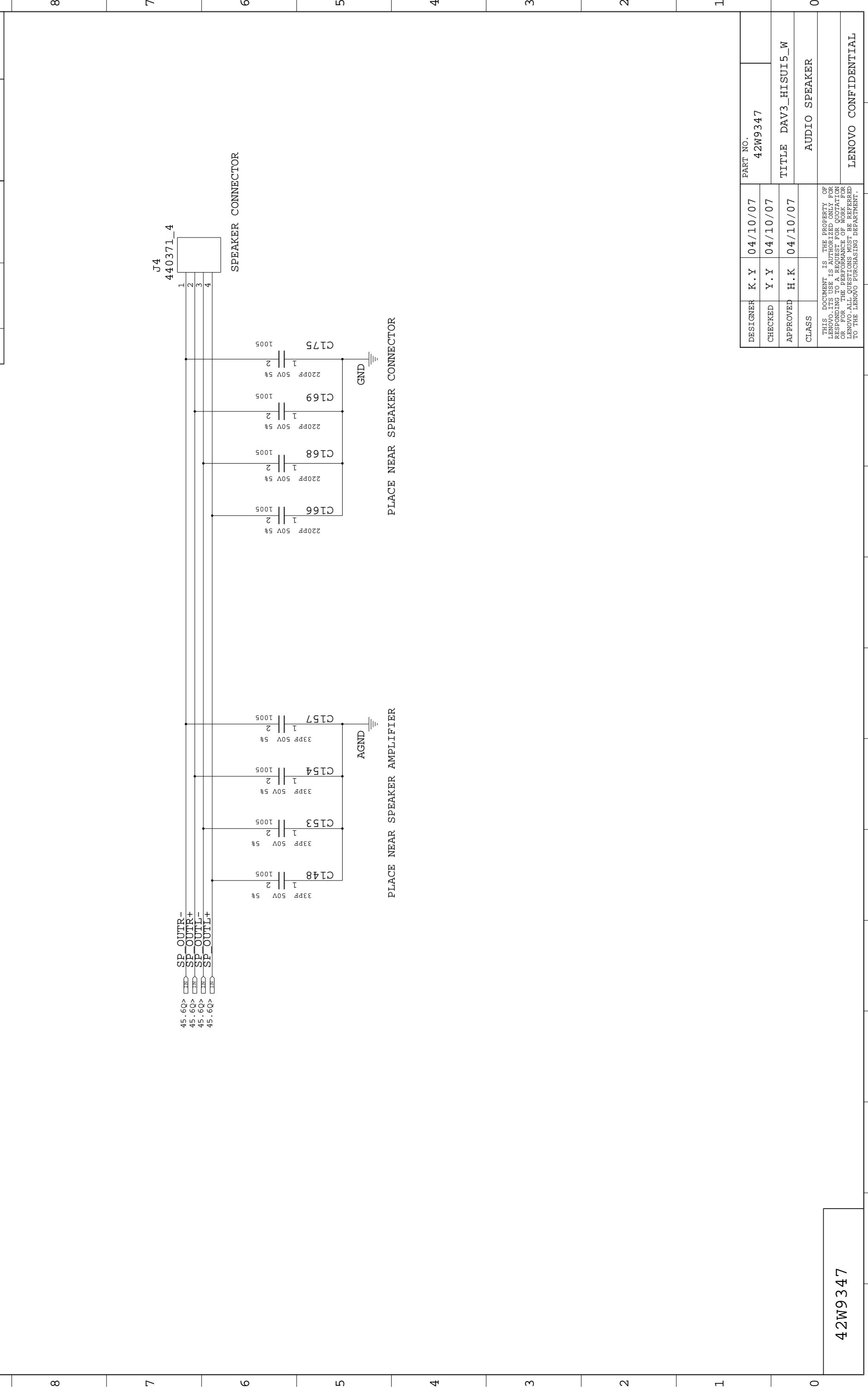


REL	04/10/07	EC NO.	L09906	PART NO.	42W9347
		DATE			
				DEVELOPMENT NO.	43 / 98
					Q/M

DESIGNER	K.Y	04/10/07	PART NO.	42W9347
CHECKED	Y.Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H.K	04/10/07	CLASS	AUDIO EXT MIC AMP
THIS DOCUMENT IS THE PROPERTY OF				
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OR FOR THE PERFORMANCE OF WORK FOR				
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42W9347

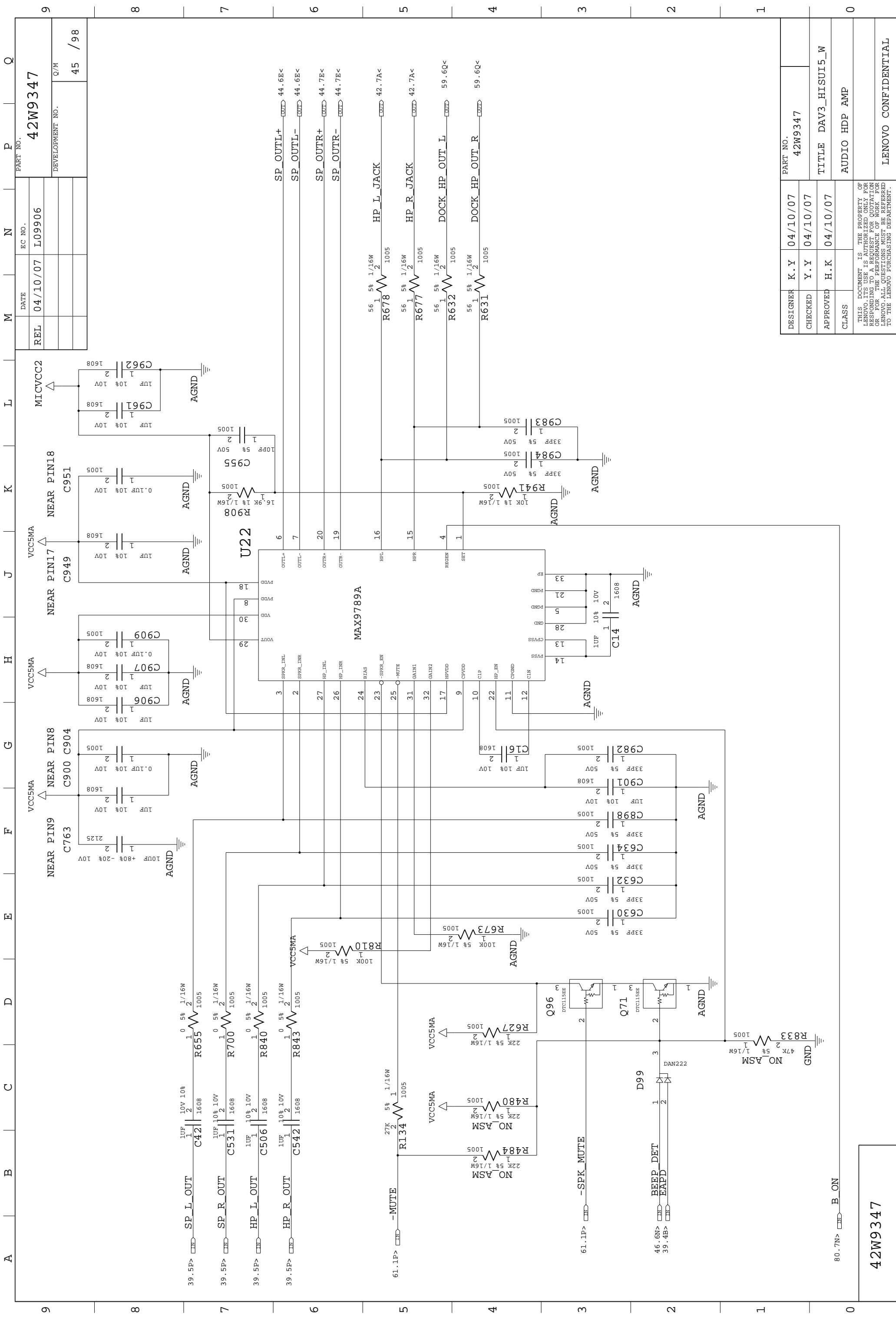
REL	DATE	EC NO.	PART NO.
04/10/07	L09906	42W9347	
			DEVELOPMENT NO. Q/M
			44 / 98



DESIGNER	K.Y	04/10/07	PART NO.
CHECKED	Y.Y	04/10/07	42W9347
APPROVED	H.K	04/10/07	TITLE DAV3_HISUI5_W
CLASS			AUDIO SPEAKER

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DESIGNER	K.Y	04/10/07	PART NO.	42W9347
CHECKED	Y.Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H.K	04/10/07	CLASS	AUDIO HDP AMP
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42W9347

80.7N> B_ON

46.6N> BEEP_DET
39.4B> EAPD

61.1P> -SPK_MUTE

61.1P> -MUTE

39.5P> HP_R_OUT

39.5P> HP_L_OUT

39.5P> SP_R_OUT

39.5P> SP_L_OUT

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42W9347

REL 04/10/07

DATE 04/10/07

EC NO. L09906

PART NO. 42W9347

DEVELOPMENT NO. Q/M

REL 04/10/07

DATE 04/10/07

EC NO. L09906

PART NO. 42W9347

DEVELOPMENT NO. Q/M

REL 04/10/07

DATE 04/10/07

EC NO. L09906

PART NO. 42W9347

DEVELOPMENT NO. Q/M

REL 04/10/07

DATE 04/10/07

EC NO. L09906

PART NO. 42W9347

DEVELOPMENT NO. Q/M

REL 04/10/07

DATE 04/10/07

EC NO. L09906

PART NO. 42W9347

DEVELOPMENT NO. Q/M

REL 04/10/07

DATE 04/10/07

EC NO. L09906

PART NO. 42W9347

DEVELOPMENT NO. Q/M

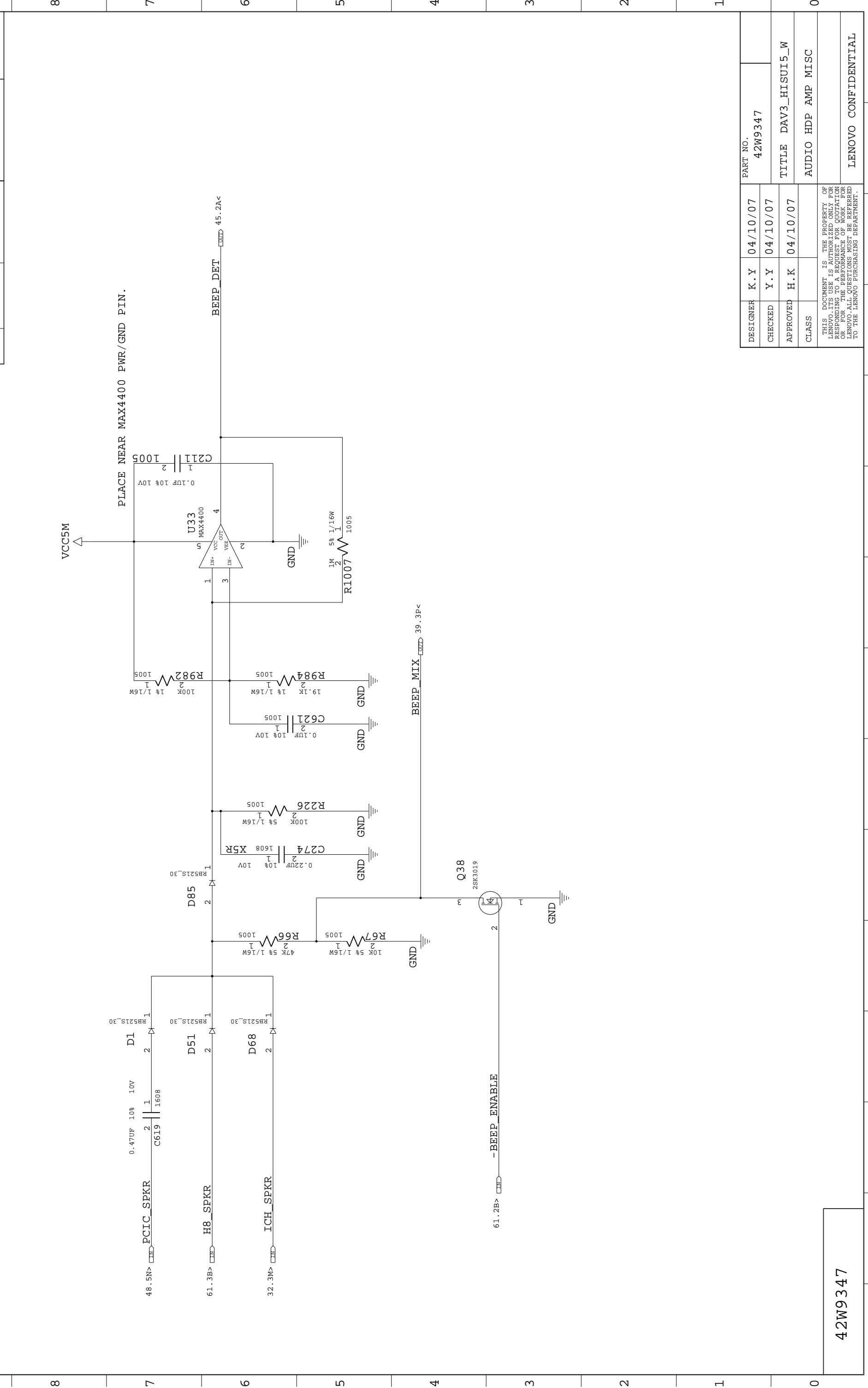
REL 04/10/07

DATE 04/10/07

EC NO. L09906

PART NO. 42W9347

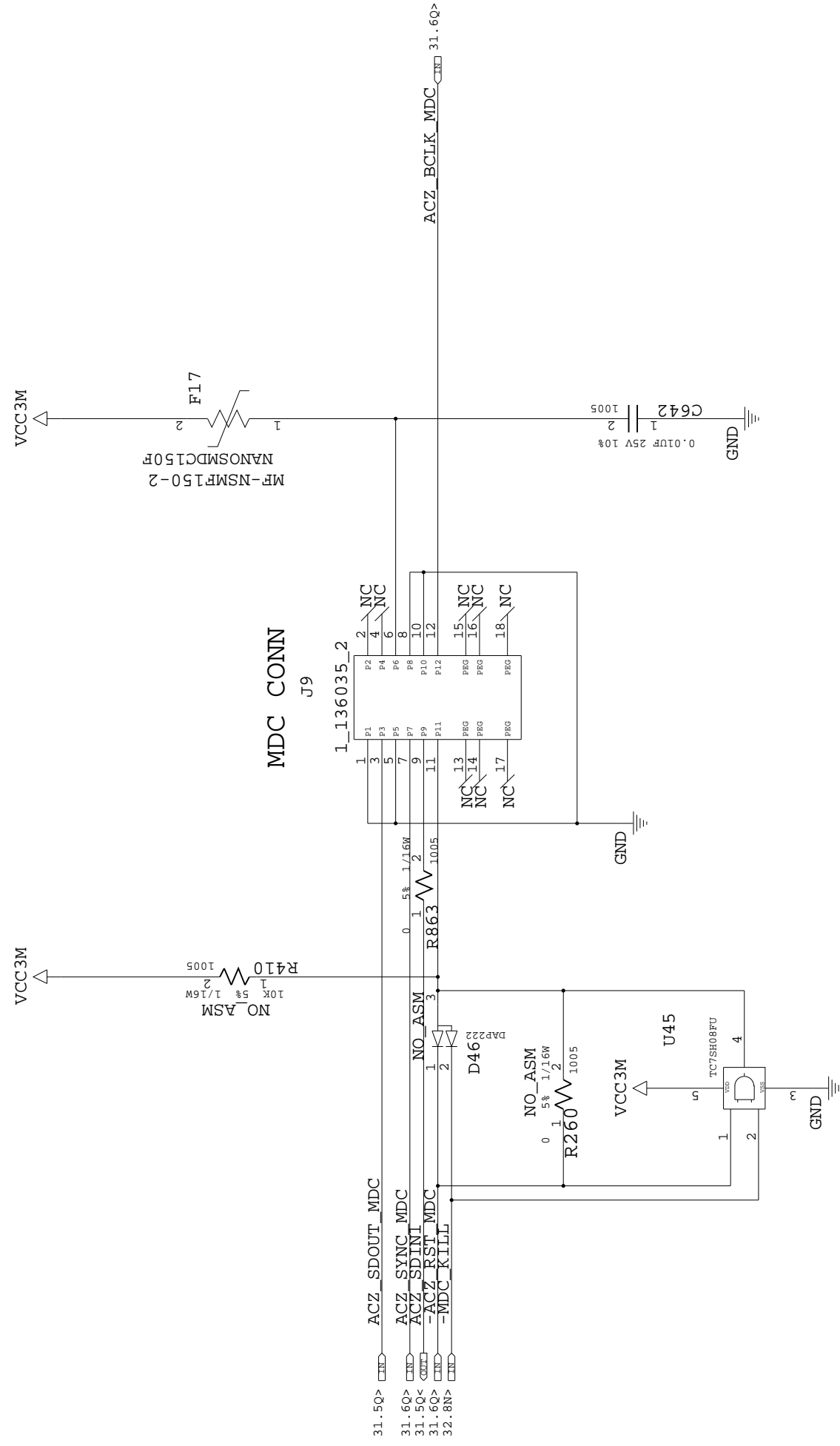
REL	DATE	EC NO.	PART NO.
04/10/07	04/10/07	L09906	42W9347
			DEVELOPMENT NO.
			46 / 98



DESIGNER	K.Y	04/10/07	PART NO.	42W9347
CHECKED	Y.Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H.K	04/10/07	CLASS	AUDIO HDP AMP MISC
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REL	DATE	EC NO.	PART NO.
	04/10/07	L09906	42W9347
			DEVELOPMENT NO.
			47 / 98



DESIGNER	K.Y	04/10/07	PART NO.
CHECKED	Y.Y	04/10/07	42W9347
APPROVED	H.K	04/10/07	TITLE DAV3_HISUI5_W
CLASS			MDC 1.5 CONNECTOR

42W9347

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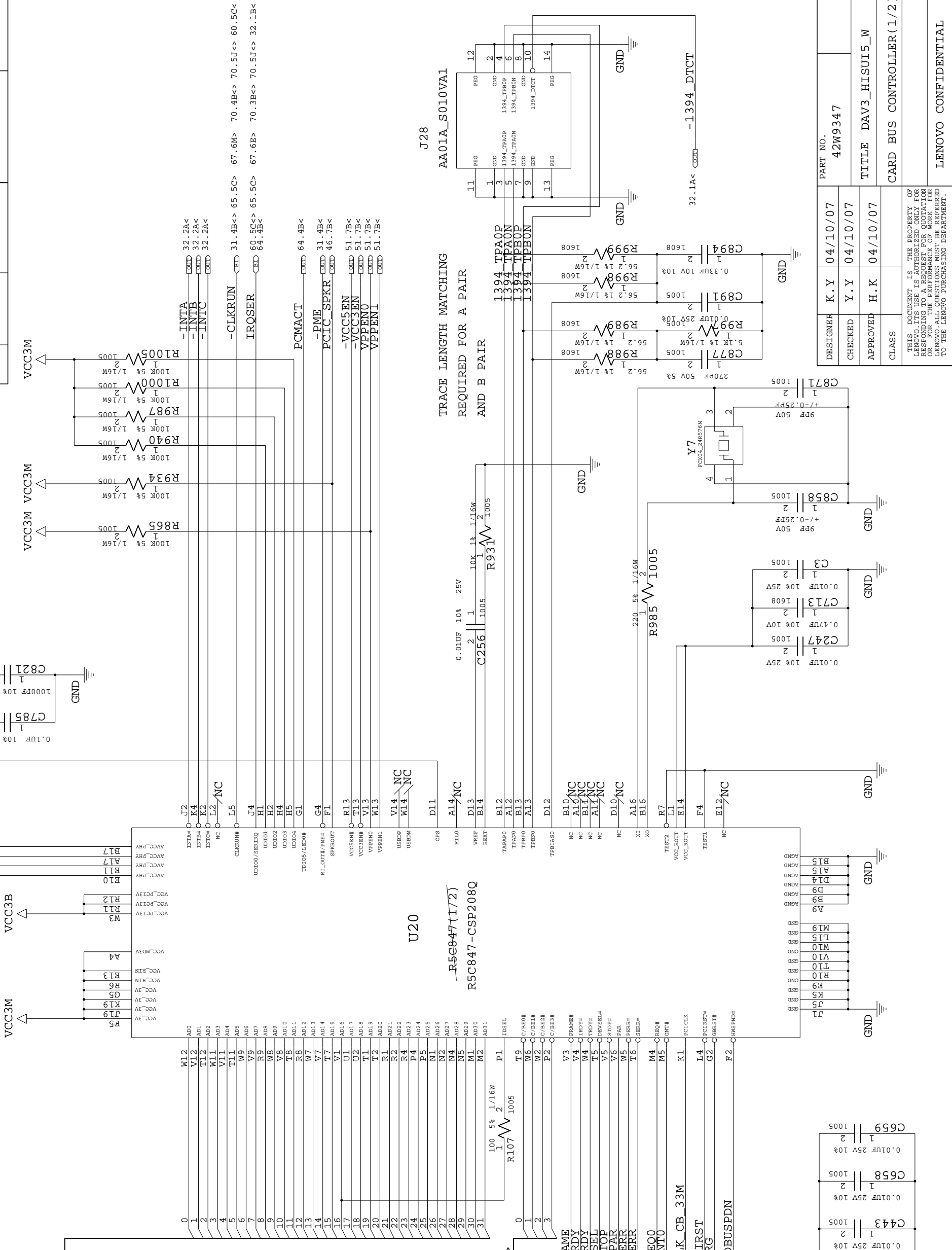
31.8C<> AD<31.1.0>

TABLE 1394

1394	NO	YES
U20	R5C804	R5C847/ R5C803
FL6	0 OHM	MPZ1608S600A
R931	NO_ASM	ASM
R999	NO_ASM	ASM
R988	NO_ASM	ASM
R989	NO_ASM	ASM
R998	NO_ASM	ASM
R999	NO_ASM	ASM
R987	NO_ASM	ASM
R997	NO_ASM	ASM
R991	NO_ASM	ASM
R992	NO_ASM	ASM
R993	NO_ASM	ASM
R994	NO_ASM	ASM
R995	NO_ASM	ASM
R996	NO_ASM	ASM
R997	NO_ASM	ASM
R998	NO_ASM	ASM
R999	NO_ASM	ASM
R987	NO_ASM	ASM
R988	NO_ASM	ASM
R989	NO_ASM	ASM
R990	NO_ASM	ASM
R991	NO_ASM	ASM
R992	NO_ASM	ASM
R993	NO_ASM	ASM
R994	NO_ASM	ASM
R995	NO_ASM	ASM
R996	NO_ASM	ASM
R997	NO_ASM	ASM
R998	NO_ASM	ASM
R999	NO_ASM	ASM

LOGIC

31.9C<> C_BE<3.0>	
31.5B<> -FRAME	
31.5B<> -IRDY	
31.5B<> -TRDY	
31.5B<> -DEVSEL	
31.5B<> -STOP	
31.5B<> -PAR	
31.5B<> -PERR	
31.5B<> -SERR	
31.4B<> -REQ0	
31.4B<> -GNT0	
19.3A> PCICLK_CB_33M	
31.4B> -PCIRST	
31.4B> -MPWRG	
64.7P> -CARDBUSPDN	



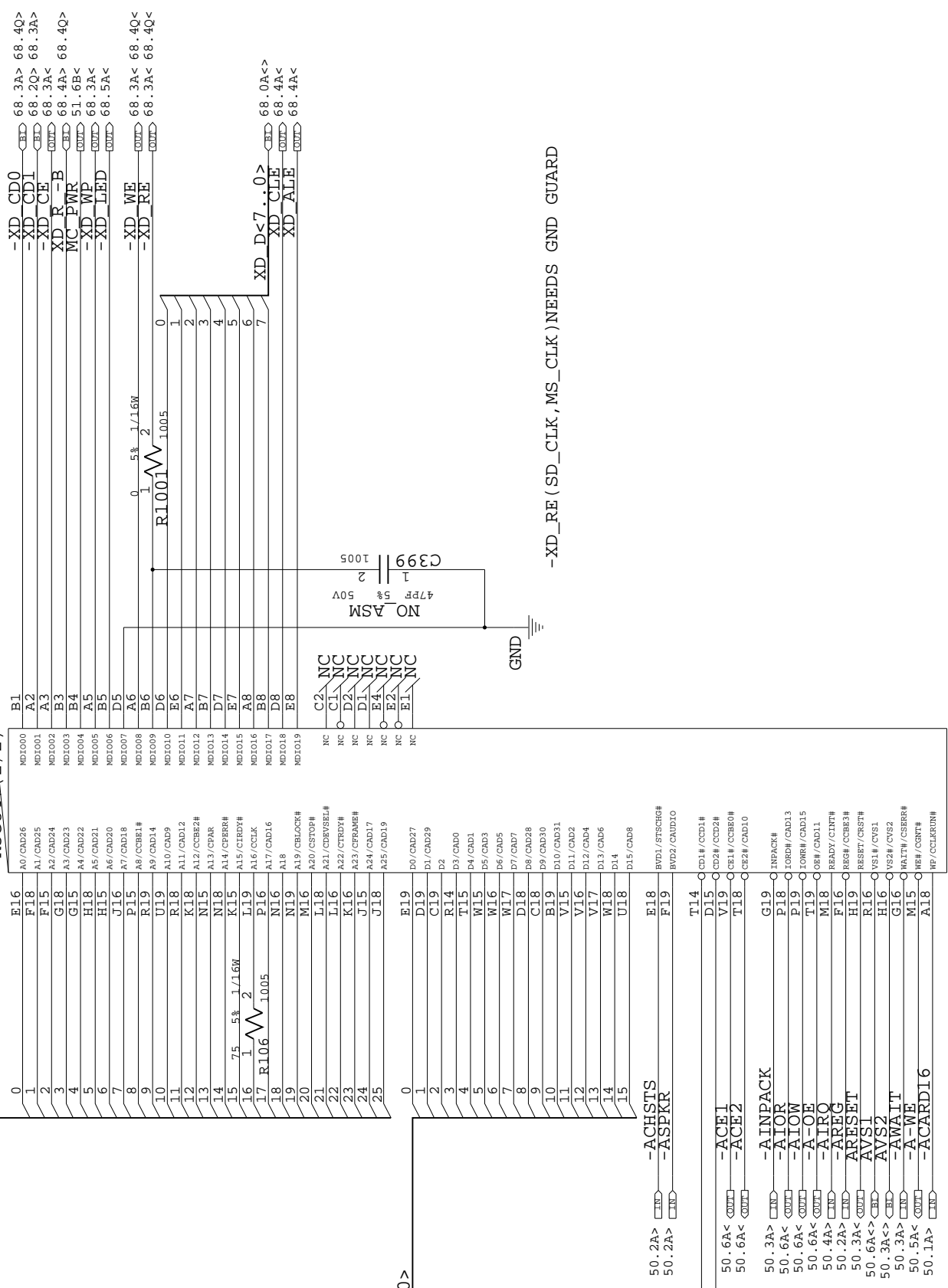
TRACE LENGTH MATCHING
REQUIRED FOR A PAIR
AND B PAIR

DESIGNER	K. Y	04/10/07	PART NO.	42W9347
CHECKED	Y. Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H. K	04/10/07	CLASS	CARD BUS CONTROLLER (1/2)

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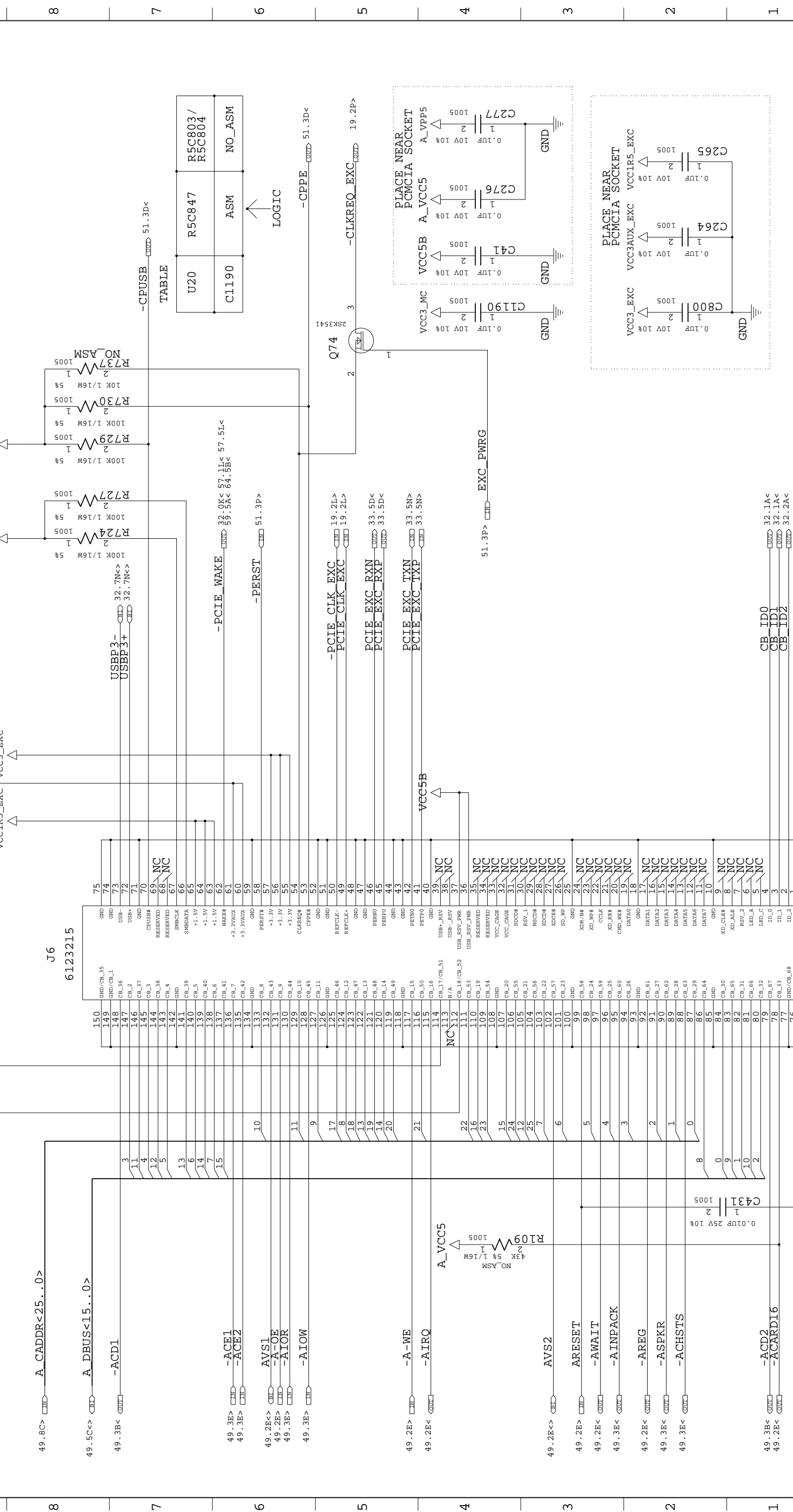
50.8A< A_CADDR<25..0>

U20
R5C847-CSP208Q
R5C847(2/2)



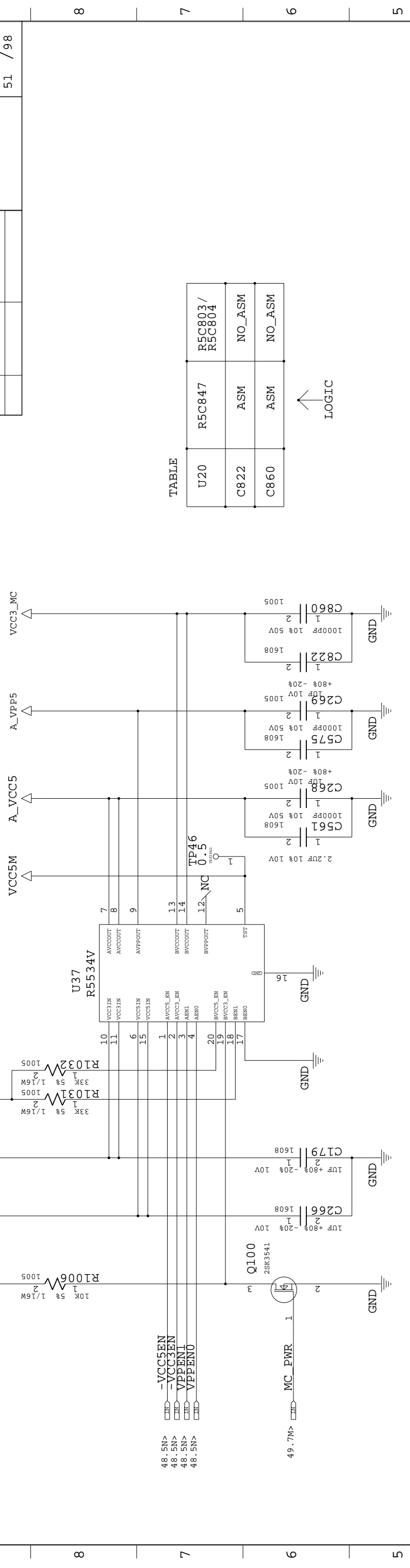
-XD_RE (SD_CLK, MS_CLK) NEEDS GND GUARD

DESIGNER	K.Y	04/10/07	PART NO.	42W9347
CHECKED	Y.Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H.K	04/10/07	CLASS	CARD BUS CONTROLLER (2/2)
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DESIGNER	K. Y	04/10/07	PART NO.	42W9347
CHECKED	Y. Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H. K	04/10/07	CLASS	CARD BUS SLOT
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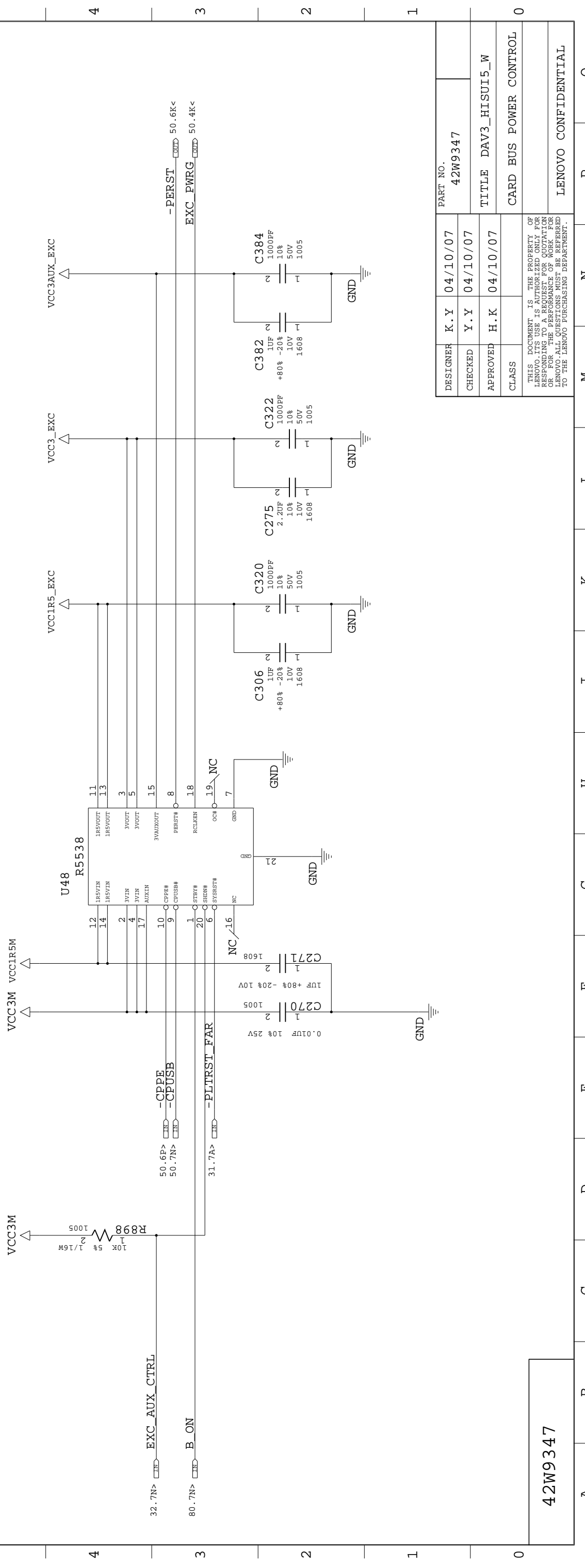
REL	DATE	EC NO.	PART NO.
	04/10/07	L09906	42W9347
			DEVELOPMENT NO.
			Q/M
			51 / 98



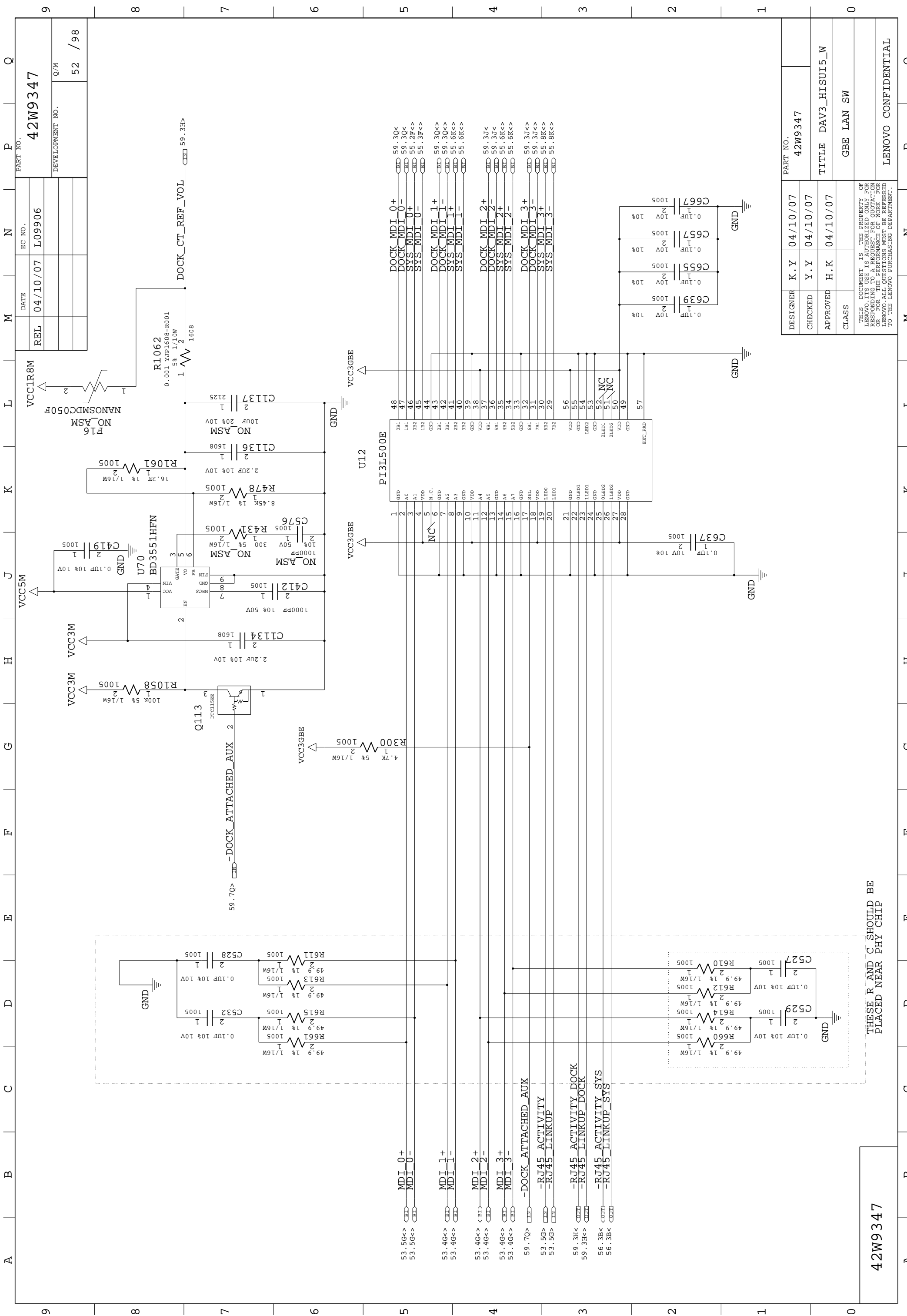
TABLE

U20	R5C847	R5C803 / R5C804
C822	ASM	NO_ASM
C860	ASM	NO_ASM

← LOGIC



DESIGNER	K.Y	04/10/07	PART NO.	42W9347
CHECKED	Y.Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H.K	04/10/07	CLASS	CARD BUS POWER CONTROL
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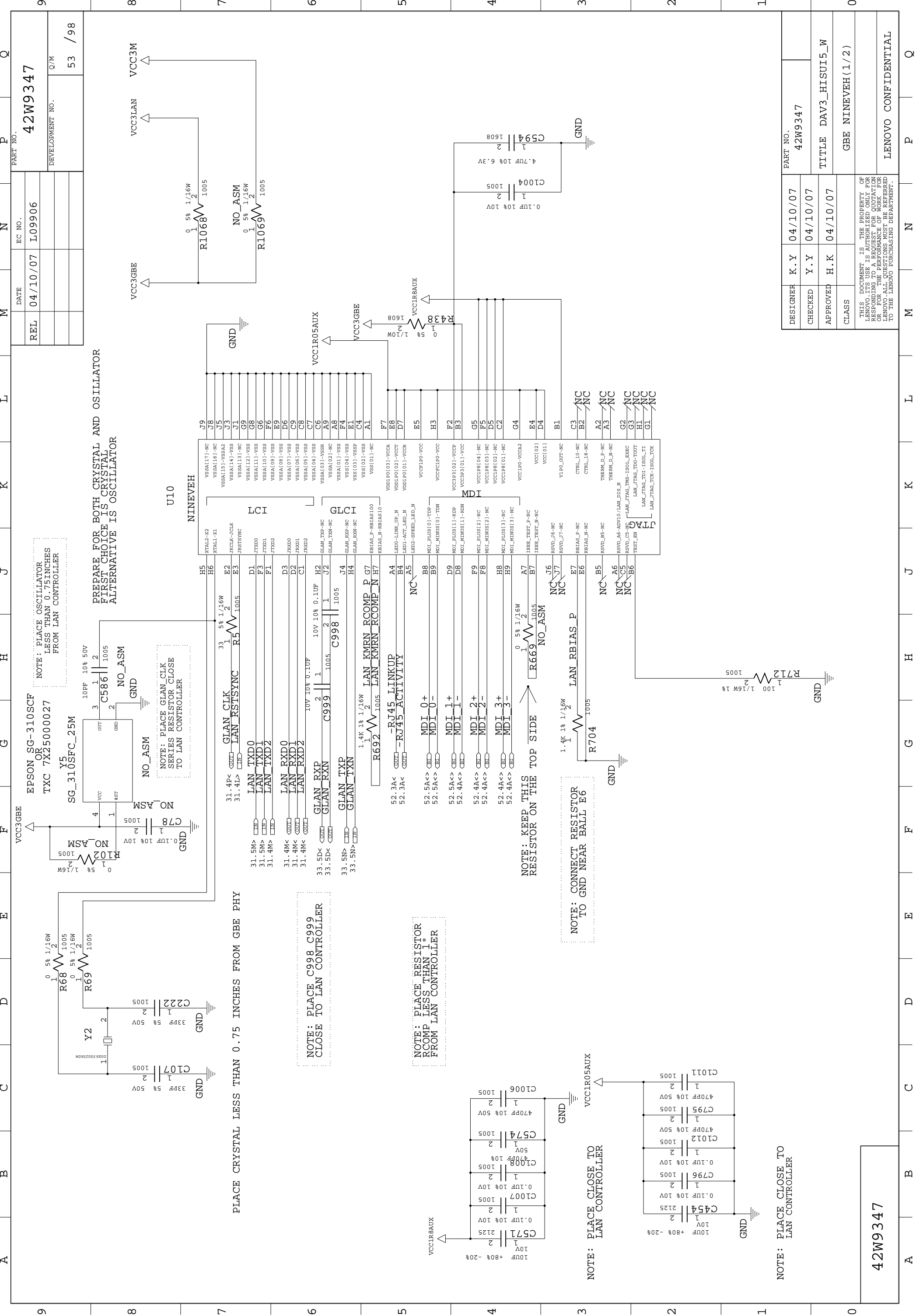


42W9347

THESE R AND C SHOULD BE PLACED NEAR PHY CHIP

DESIGNER	K. Y	04/10/07	PART NO.	42W9347
CHECKED	Y. Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H. K	04/10/07	CLASS	GBE LAN SW
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REL	04/10/07	L09906	PART NO.	42W9347
DATE	04/10/07	L09906	DEVELOPMENT NO.	52 / 98
VCC1R8M				



REL	DATE	EC NO.	PART NO.
	04/10/07	L09906	42W9347
			DEVELOPMENT NO.
			53 / 98
			Q/M

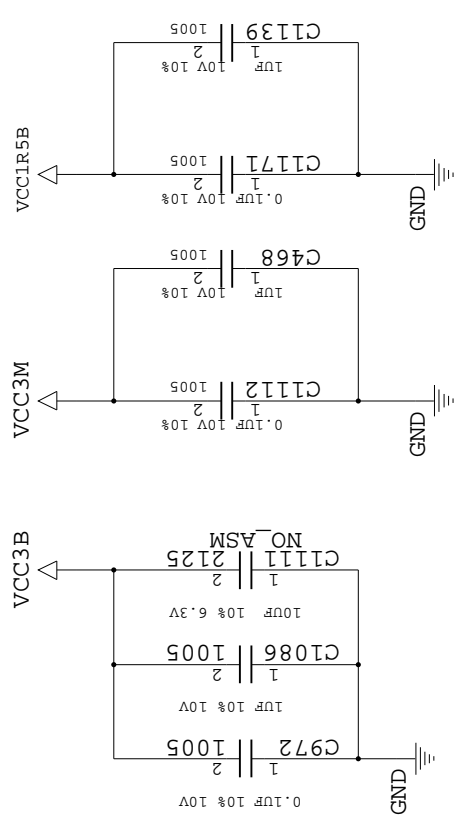
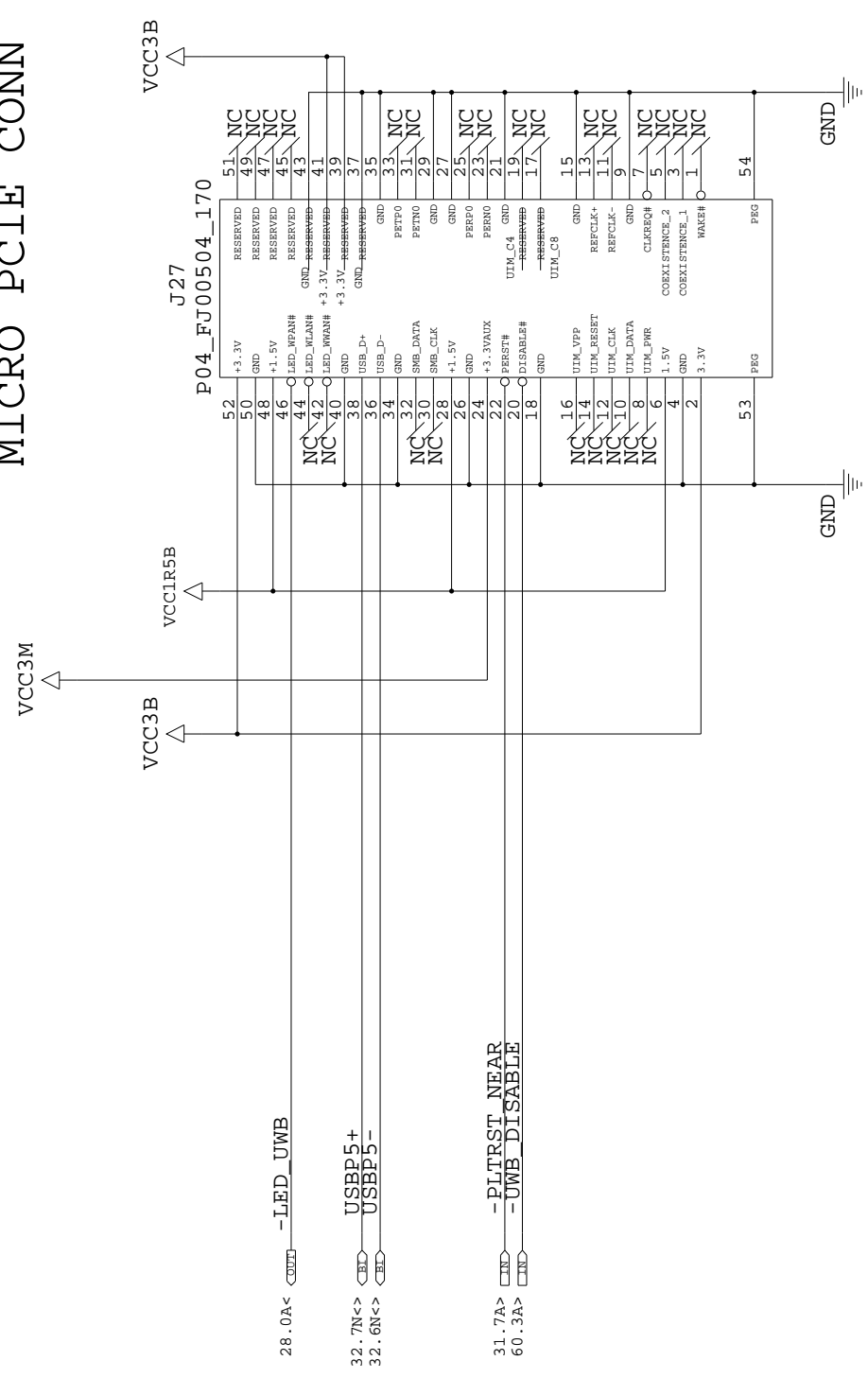
DESIGNER	K. Y	04/10/07	PART NO.	42W9347
CHECKED	Y. Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H. K	04/10/07		
CLASS				GBE NINEVEH(1/2)

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REL	DATE	EC NO.	PART NO.
	04/10/07	L09906	42W9347
			DEVELOPMENT NO.
			54 / 98

MICRO PCIE CONN



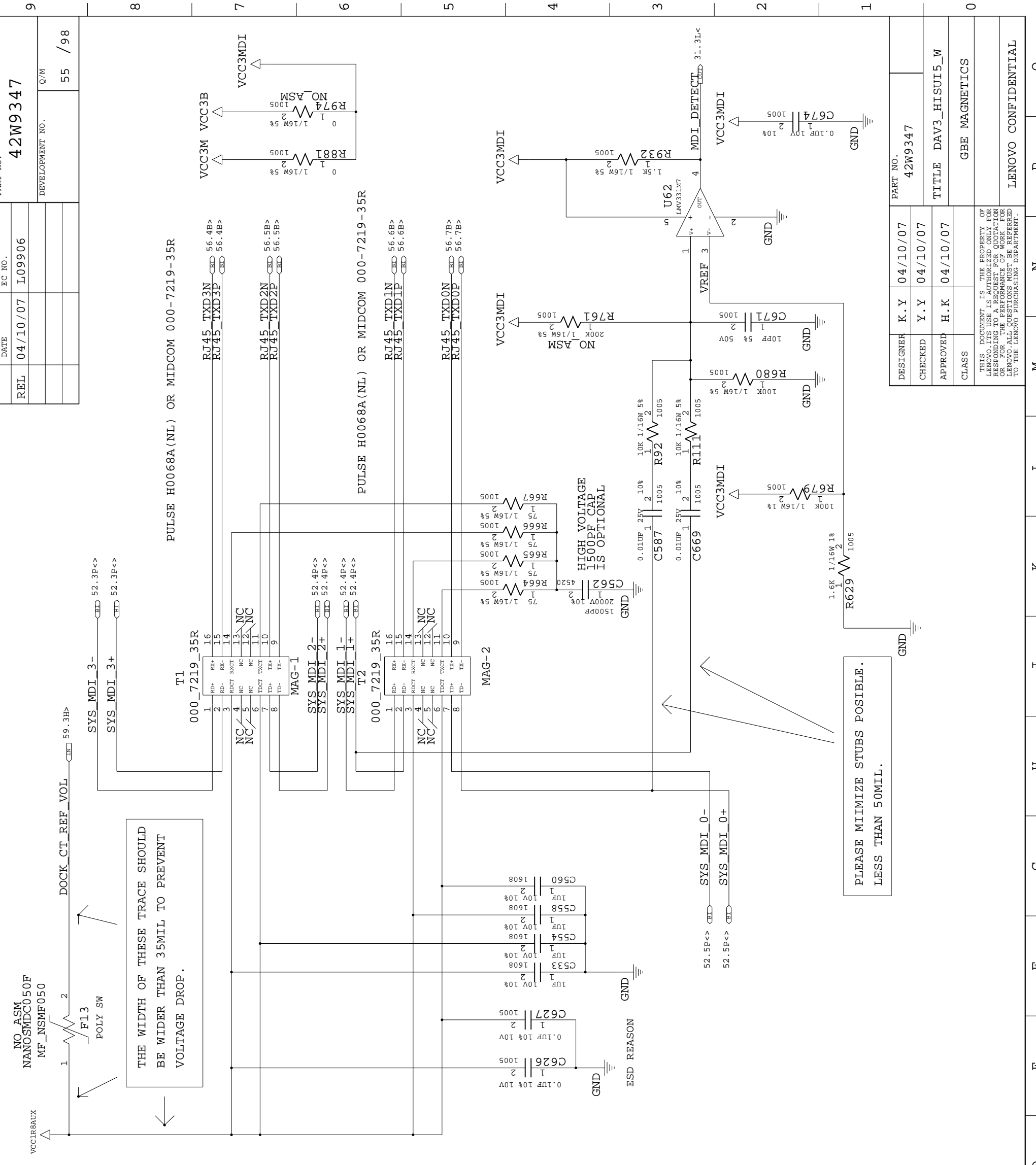
TABLE

J27	DAV / COR W/UWB	WAIKIKI W/O UWB
C972	ASM	NO_ASM
C1086	ASM	NO_ASM
C1112	ASM	NO_ASM
C468	ASM	NO_ASM
C1171	ASM	NO_ASM
C1139	ASM	NO_ASM
C1111	NO_ASM	NO_ASM

LOGIC

DESIGNER	K.Y	04/10/07	PART NO.	42W9347
CHECKED	Y.Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H.K	04/10/07	CLASS	MICRO PCIE CONN
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REL	04/10/07	L09906	EC NO.	
			PART NO.	42W9347
			DEVELOPMENT NO.	Q/M
			55 / 98	

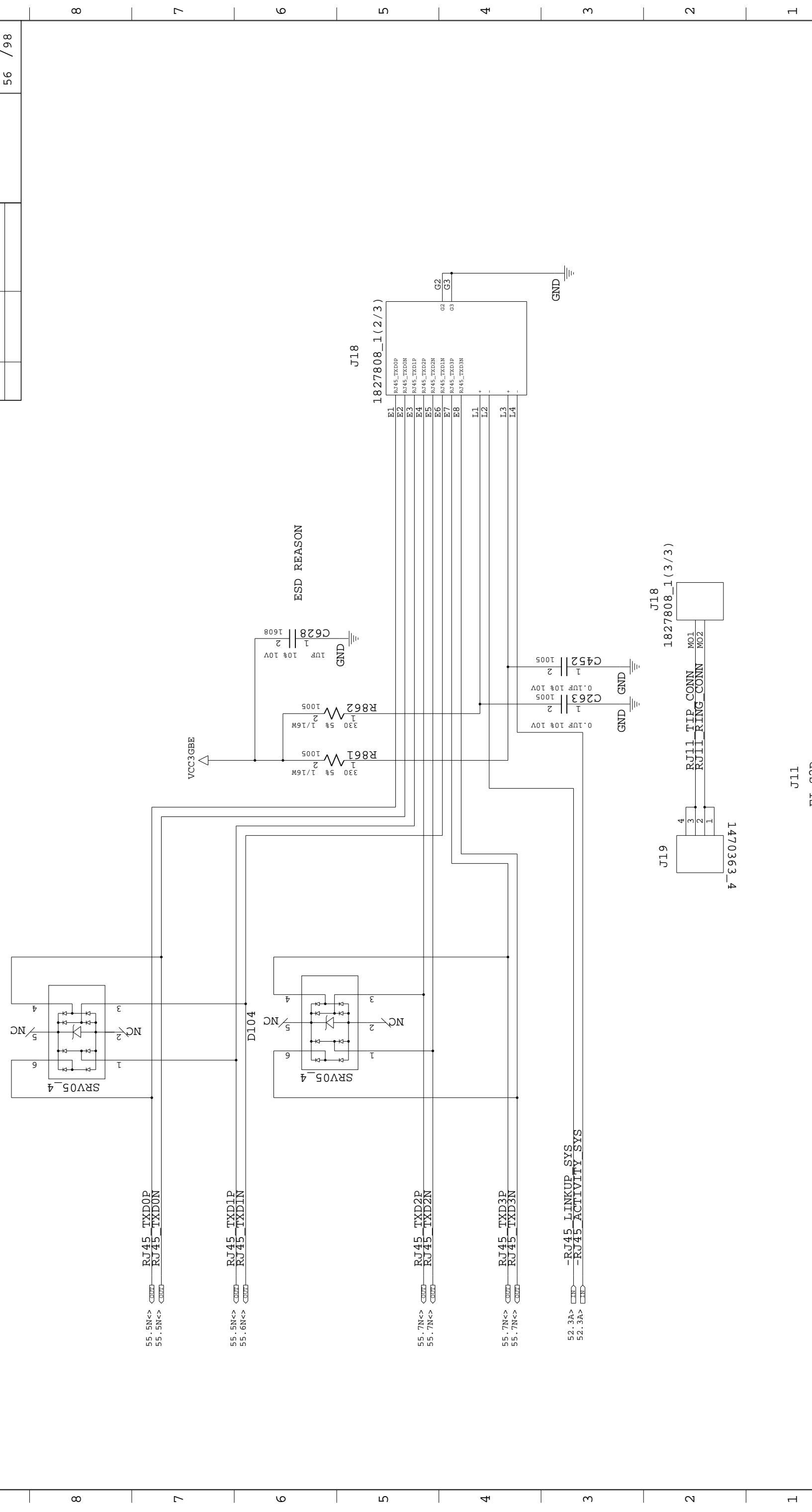


THE WIDTH OF THESE TRACE SHOULD BE WIDER THAN 35MIL TO PREVENT VOLTAGE DROP.

PLEASE MINIMIZE STUBS POSSIBLE. LESS THAN 50MIL.

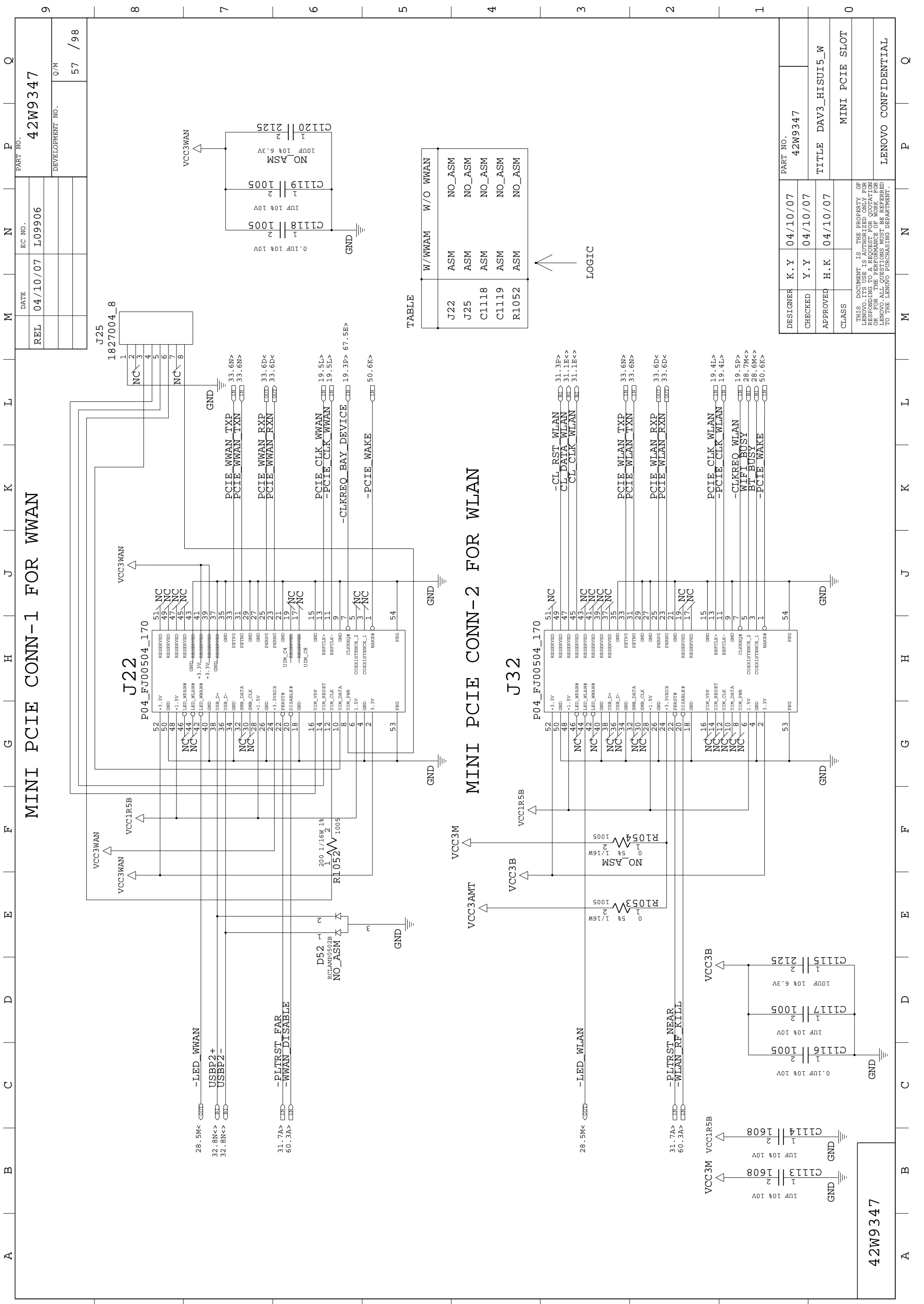
DESIGNER	K.Y	04/10/07	PART NO.	42W9347
CHECKED	Y.Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H.K	04/10/07	CLASS	GBE MAGNETICS
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LENOVO CONFIDENTIAL				

REL	DATE	EC NO.	PART NO.
04/10/07	L09906		42W9347
			DEVELOPMENT NO.
			56 / 98



DESIGNER	K.Y	04/10/07	PART NO.	42W9347
CHECKED	Y.Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H.K	04/10/07	CLASS	RJ11/RJ45 CONNECTOR
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42W9347



MINI PCIE CONN-1 FOR WWAN

MINI PCIE CONN-2 FOR WLAN

TABLE

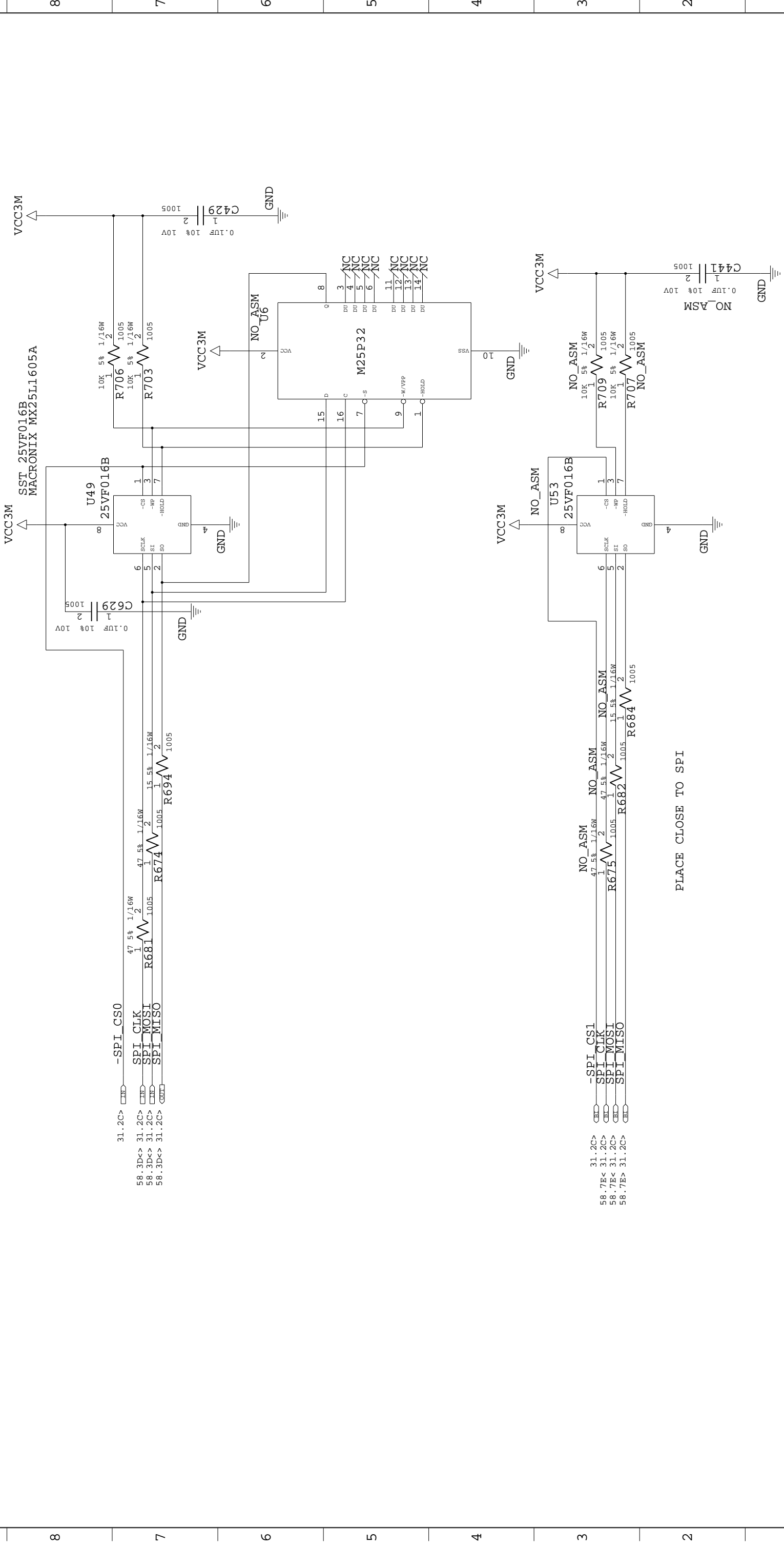
	W/WWAN	W/O WWAN
J22	ASM	NO_ASM
J25	ASM	NO_ASM
C1118	ASM	NO_ASM
C1119	ASM	NO_ASM
R1052	ASM	NO_ASM

LOGIC

DESIGNER	K.Y	04/10/07	PART NO.	42W9347
CHECKED	Y.Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H.K	04/10/07	CLASS	MINI PCIE SLOT
<p>THIS DOCUMENT IS THE PROPERTY OF LENOVO. IT IS LOANED TO YOU FOR YOUR USE ONLY. IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM. ALL RIGHTS ARE RESERVED. FOR THE PERFORMANCE OF WORK OR FOR THE PERFORMANCE OF WORK LENOVO. ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.</p>				

42W9347

REL	DATE	EC NO.	PART NO.
	04/10/07	L09906	42W9347
			DEVELOPMENT NO.
			Q/M
			57 / 98

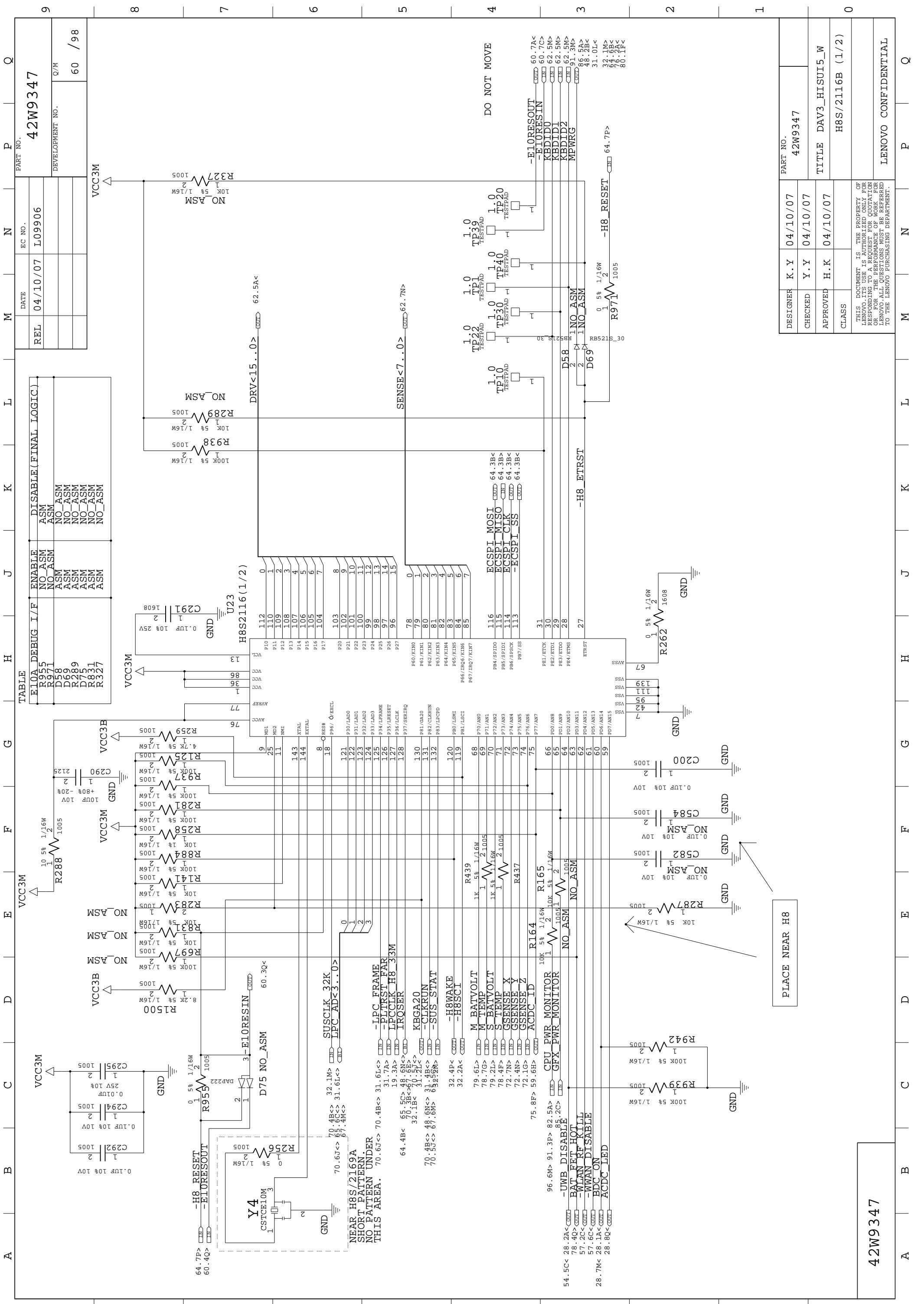


PLACE CLOSE TO SPI

DESIGNER	K. Y	04/10/07	PART NO.	42W9347
CHECKED	Y. Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H. K	04/10/07	CLASS	EEPROM/FLASH/SHARED
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DESIGNER	K. Y	04/10/07	PART NO.	42W9347
CHECKED	Y. Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H. K	04/10/07	CLASS	DOCKING CONNECTOR
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TABLE

E10A_DEBUG_I/F	ENABLE	DISABLE (FINAL LOGIC)
R955	NO_ASM	ASM
R971	NO_ASM	ASM
D58	ASM	NO_ASM
D69	ASM	NO_ASM
R289	ASM	NO_ASM
D75	ASM	NO_ASM
R831	ASM	NO_ASM
R327	ASM	NO_ASM

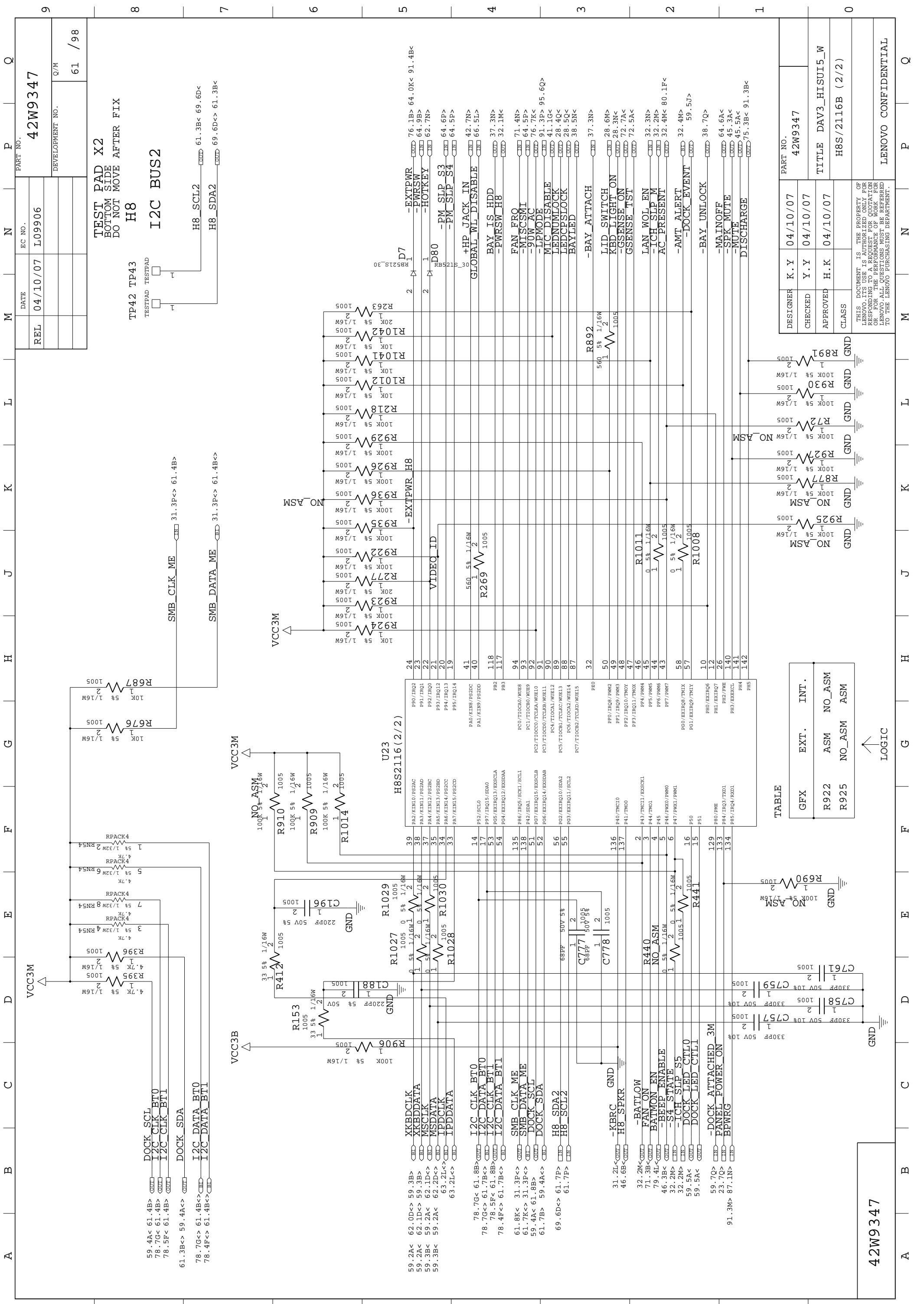
REL	DATE	EC NO.	PART NO.
	04/10/07	L09906	42W9347
			DEVELOPMENT NO.
			Q/M
			60 / 98

PLACE NEAR H8

42W9347

DESIGNER	K. Y	04/10/07	PART NO.
CHECKED	Y. Y	04/10/07	42W9347
APPROVED	H. K	04/10/07	TITLE DAV3_HISUI5_W
CLASS			H8S/2116B (1/2)

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TO THE LENOVO PURCHASING DEPARTMENT.



REL	DATE	EC NO.	PART NO.
	04/10/07	L09906	42W9347
			DEVELOPMENT NO.
			Q/M
			61 / 98

TEST PAD X2
 BOTTOM SIDE
 DO NOT MOVE AFTER FIX

H8
I2C BUS2

TP42 TP43
 TESTPAD TESTPAD

H8_SCL2
 H8_SDA2

59.4A<	61.4B>	DOCK_SCL	
78.7G<	61.4B>	I2C_CLK_BT0	
78.5F<	61.4B>	I2C_CLK_BT1	
61.3B<	59.4A<	DOCK_SDA	
78.7G<	61.4B>	I2C_DATA_BT0	
78.4F<	61.4B>	I2C_DATA_BT1	
59.2A<	62.0D<	59.3B>	XKBDCLK
59.2A<	62.1D<	59.3B>	XKBDATA
59.3B<	62.1D<	59.3B>	MSCLK
59.2A<	62.2D<	59.3B>	MSDATA
63.2L<	63.2L<	63.2L<	IPDCLK
63.2L<	63.2L<	63.2L<	IPDDATA
78.7G<	61.7B>	I2C_CLK_BT0	
78.7G<	61.7B>	I2C_DATA_BT0	
78.5F<	61.7B>	I2C_CLK_BT1	
78.4F<	61.7B>	I2C_DATA_BT1	
61.8K<	31.3P<	SMB_CLK_ME	
61.7K<	31.3P<	SMB_DATA_ME	
59.4A<	61.8B>	DOCK_SCL	
61.7B>	59.4A<	DOCK_SDA	
69.6D<	61.7P>	H8_SDA2	
61.7P>	61.7P>	H8_SCL2	
31.2I<	46.6B<	-KBRC	
31.2I<	46.6B<	H8_SPKR	
32.2M<	-BATLOW		
71.3B<	FAN_ON		
79.4L<	BATMON_EN		
46.3B<	-BEEP_ENABLE		
32.2M>	-S4_STATE		
32.2M>	-ICH_SLP_S5		
59.5A<	DOCK_LED_C1I0		
59.5A<	DOCK_LED_C1I1		
59.7Q>	-DOCK_ATTACHED_3M		
23.7Q>	PANEL_POWER_ON		
91.3M>	BPWRG		
24	P90/IRQ2		
23	P91/IRQ1		
22	P92/HQ0		
21	P93/IRQ12		
20	P94/IRQ13		
19	P95/IRQ14		
41	PA0/KIN6/FS2DC		
40	PA1/KIN9/FS2DD		
118	P82		
117	P83		
94	PC0/TIOCA0/MBE8		
93	PC1/TIOCB0/MBE9		
92	PC2/TIOCC0/MBE10		
91	PC3/TIOCD0/MBE11		
90	PC4/TIOCE0/MBE12		
89	PC5/TIOCF0/MBE13		
88	PC6/TIOCG0/MBE14		
87	PC7/TIOCH0/MBE15		
32	P80		
50	PF0/IRQ8/PW2		
49	PF1/IRQ9/PW3		
48	PF2/IRQ10/TW0		
47	PF3/IRQ11/TW0		
46	PF4/PW4		
45	PF5/PW5		
44	PF6/PW6		
43	PF7/PW7		
58	PG0/EXTIR08/TW1X		
57	PG1/EXTIR09/TW1Y		
10	PH0/EXTIR06		
12	PH1/EXTIR07		
26	PH2/PW6		
140	PH3/EXTIR01		
141	PH4		
142	PH5		
136	P40/TW10		
137	P41/TW0		
2	P42/TW11/ENSKL		
3	P44/TW1		
4	P45		
5	P46/PW0/PM0		
6	P47/PW1/PM1		
16	P50		
15	P51		
129	P60/PW6		
133	P64/IRQ3/TW1		
134	P65/IRQ4/ROD1		

TABLE

GFX	EXT.	INT.
R922	ASM	NO_ASM
R925	NO_ASM	ASM

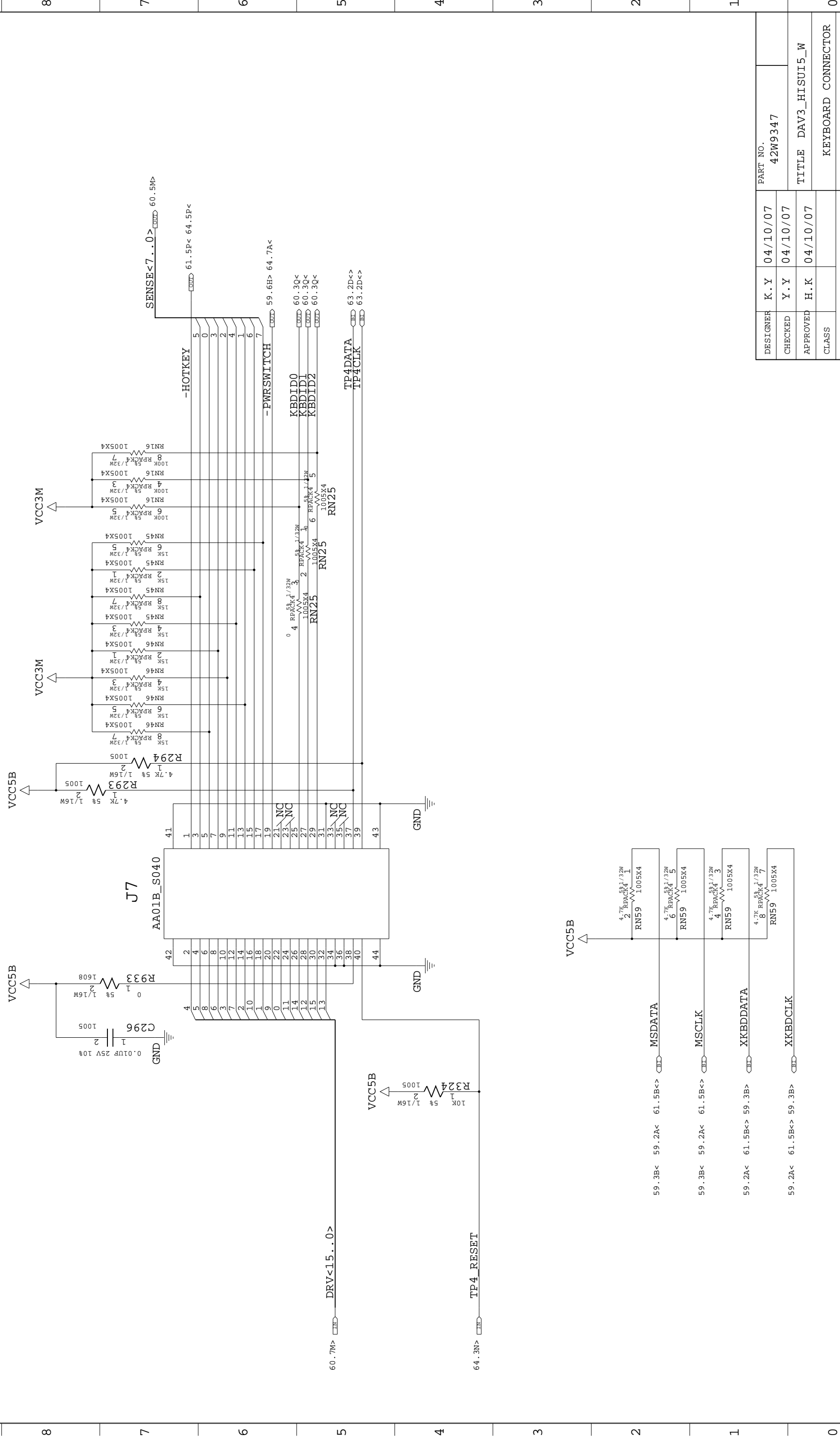
LOGIC

42W9347

DESIGNER	K.Y	04/10/07	PART NO.	42W9347
CHECKED	Y.Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H.K	04/10/07		H8S/2116B (2/2)
CLASS				LENOVO CONFIDENTIAL

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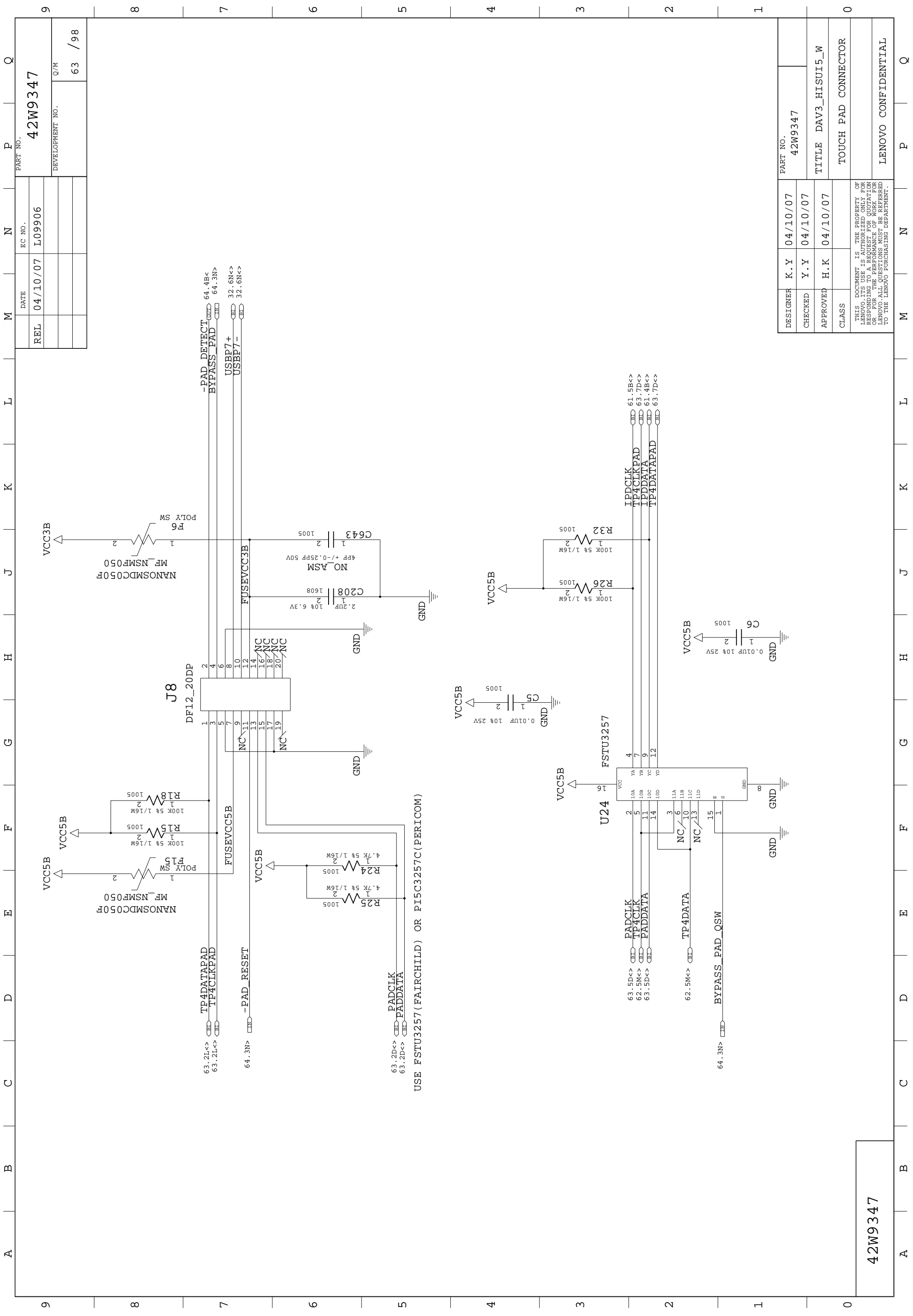
REL	DATE	EC NO.	PART NO.
	04/10/07	L09906	42W9347
			DEVELOPMENT NO.
			Q/M
			62 / 98



DESIGNER	K.Y	04/10/07	PART NO.	42W9347
CHECKED	Y.Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H.K	04/10/07	KEYBOARD CONNECTOR	
CLASS				

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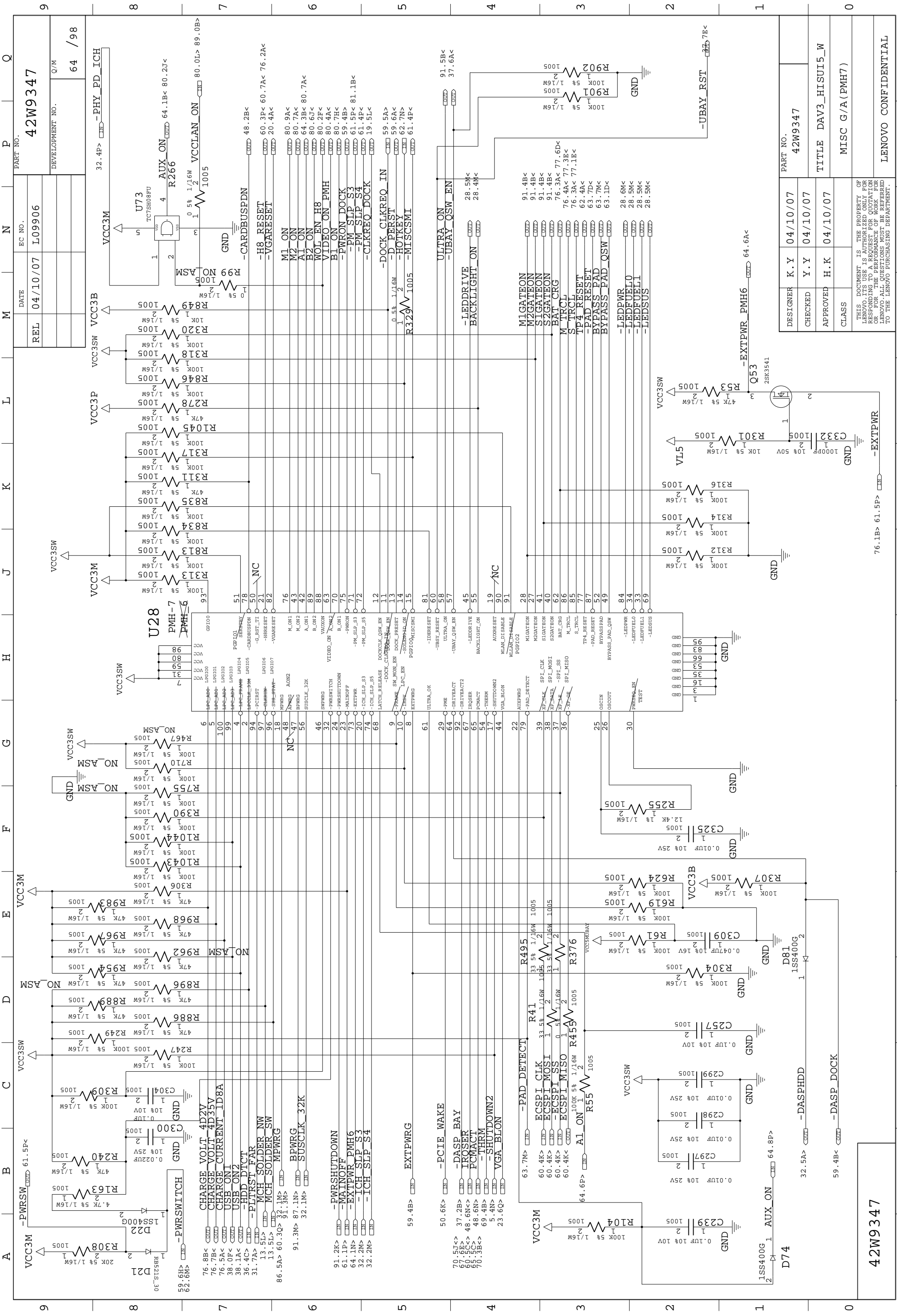
42W9347



REL	DATE	EC NO.	PART NO.
	04/10/07	L09906	42W9347
			DEVELOPMENT NO.
			Q/M
			63 / 98

DESIGNER	K.Y	04/10/07	PART NO.	42W9347
CHECKED	Y.Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H.K	04/10/07	CLASS	TOUCH PAD CONNECTOR
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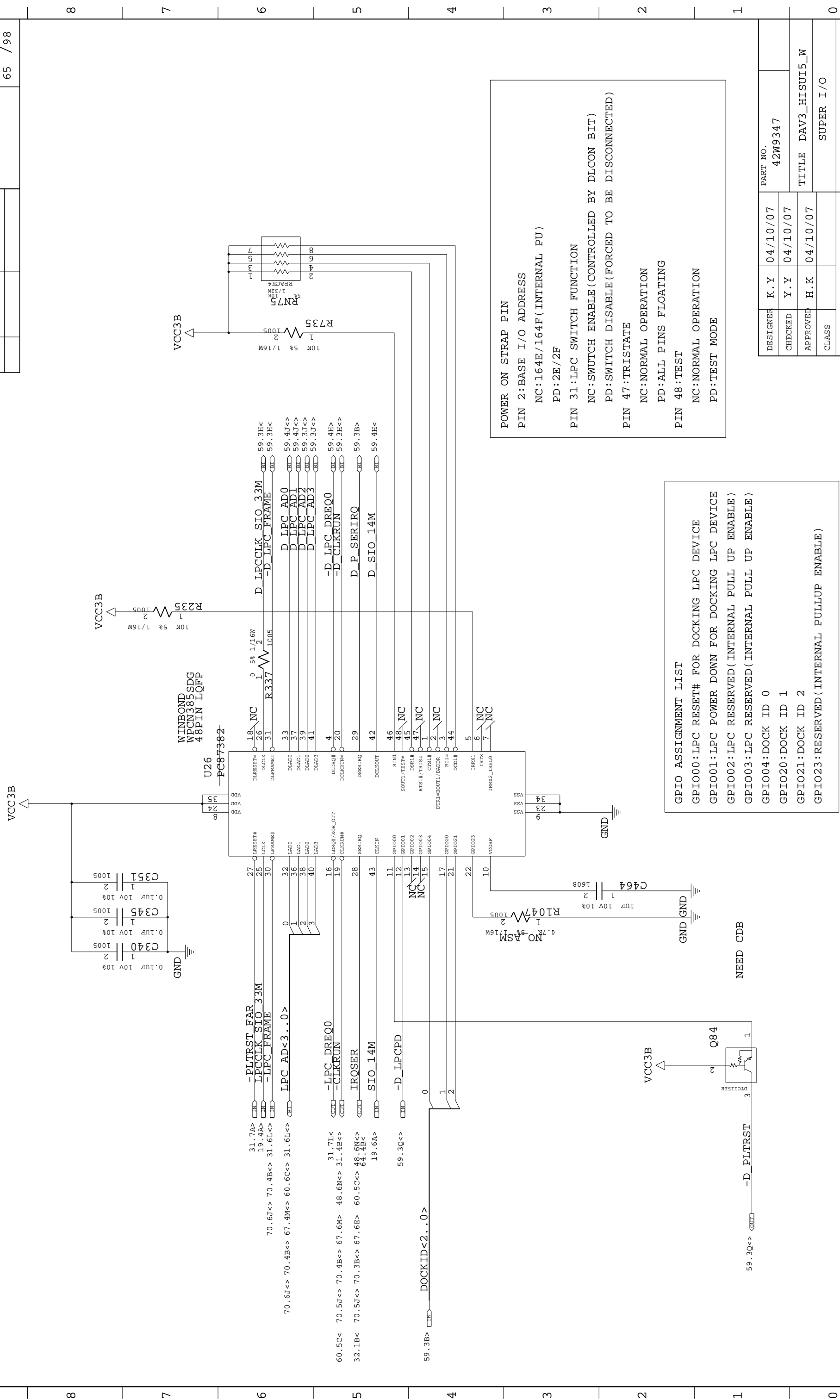
42W9347



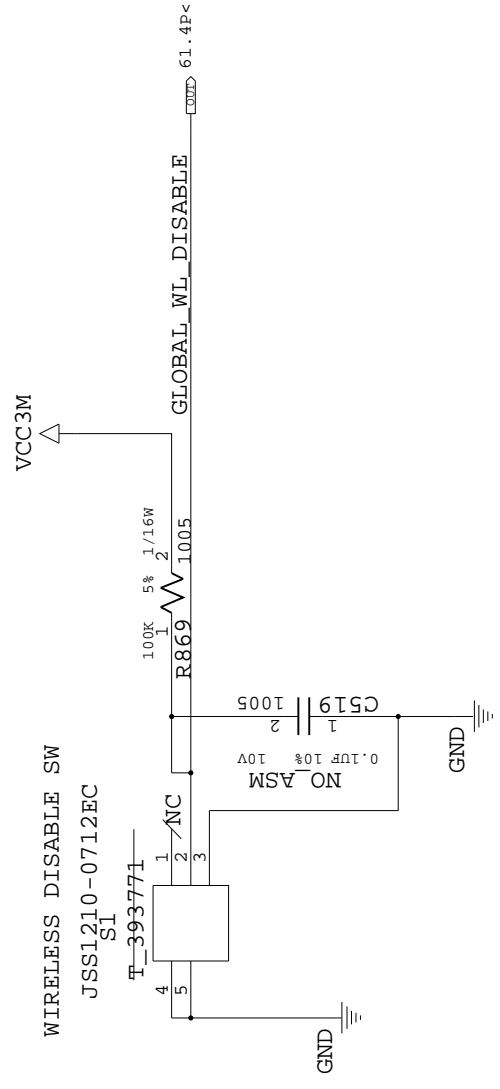
REL	04/10/07	DATE	L09906	EC NO.	42W9347	PART NO.
			DEVELOPMENT NO.			Q/M
						64 / 98

DESIGNER	K.Y	04/10/07	PART NO.	42W9347
CHECKED	Y.Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H.K	04/10/07	CLASS	MISC G/A (PMH7)
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LENOVO CONFIDENTIAL				

42W9347



REL	DATE	EC NO.	PART NO.
	04/10/07	L09906	42W9347
			DEVELOPMENT NO.
			66 / 98



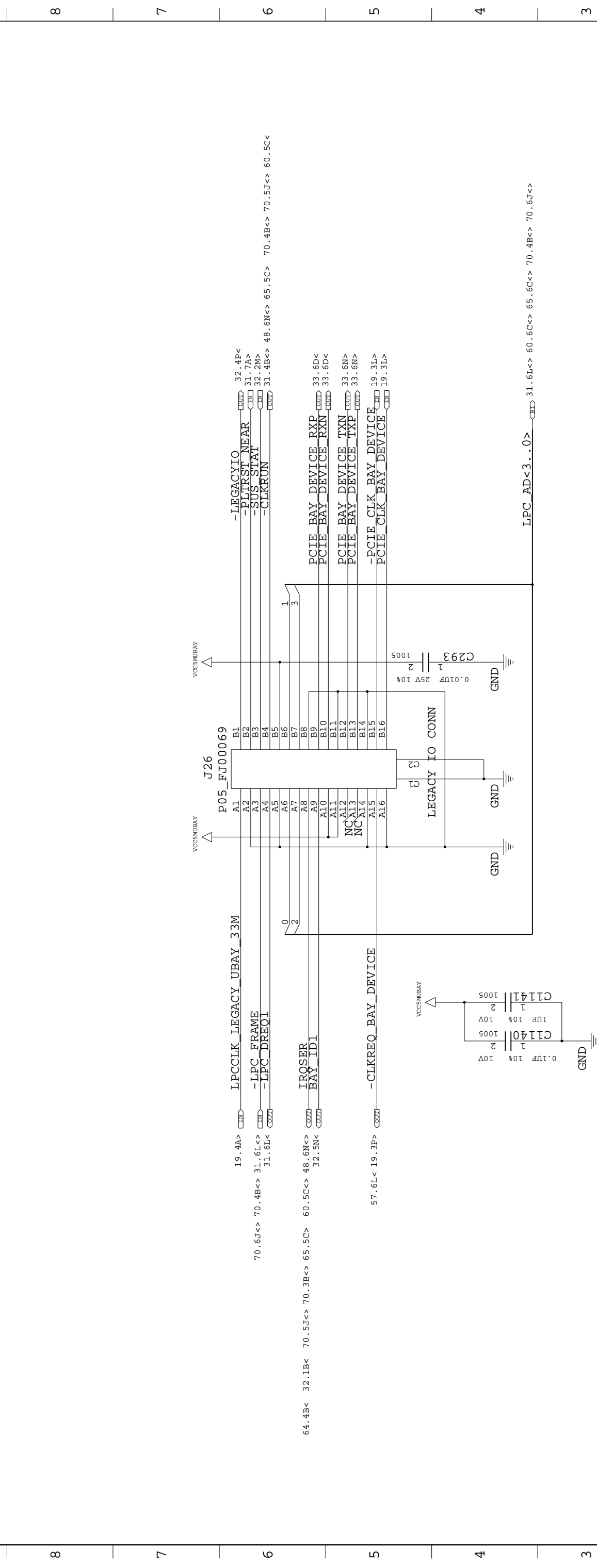
DESIGNER	K.Y	04/10/07	PART NO.
CHECKED	Y.Y	04/10/07	42W9347
APPROVED	H.K	04/10/07	TITLE DAV3_HISUI5_W
CLASS			WIRELESS DISABLE SW

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42W9347

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REL	04/10/07	L09906	42W9347
DATE	04/10/07	L09906	42W9347
EC NO.			
PART NO.			
DEVELOPMENT NO.			
Q/M			
			67 / 98



TABLE

J26	W/LEGACY I/O	W/O LEGACY I/O
ASM	ASM	NO_ASM
ASM	ASM	NO_ASM

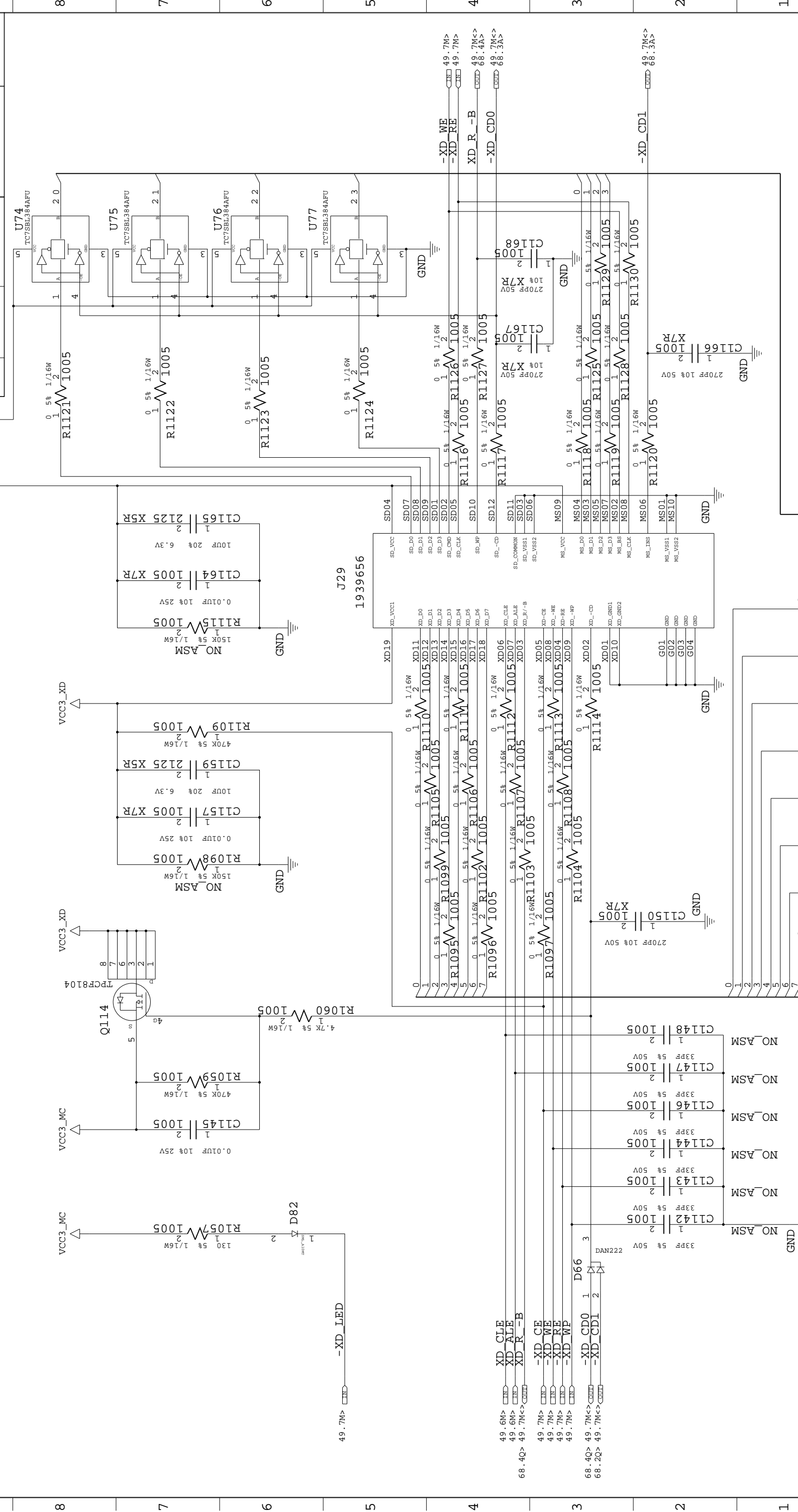
LOGIC

TABLE

BAY_DEVICE:	BAYID1	-LEGACYIO
NO DEVICE	H	H
LEGACY IO CARD	H	L
PCI EX EXTENSION CARD	L	H
USB2.0 EXTENSION CARD	L	H

DESIGNER	K.Y	04/10/07	PART NO.	42W9347
CHECKED	Y.Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H.K	04/10/07	CLASS	SERIAL INTERFACE
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LENOVO CONFIDENTIAL				

42W9347

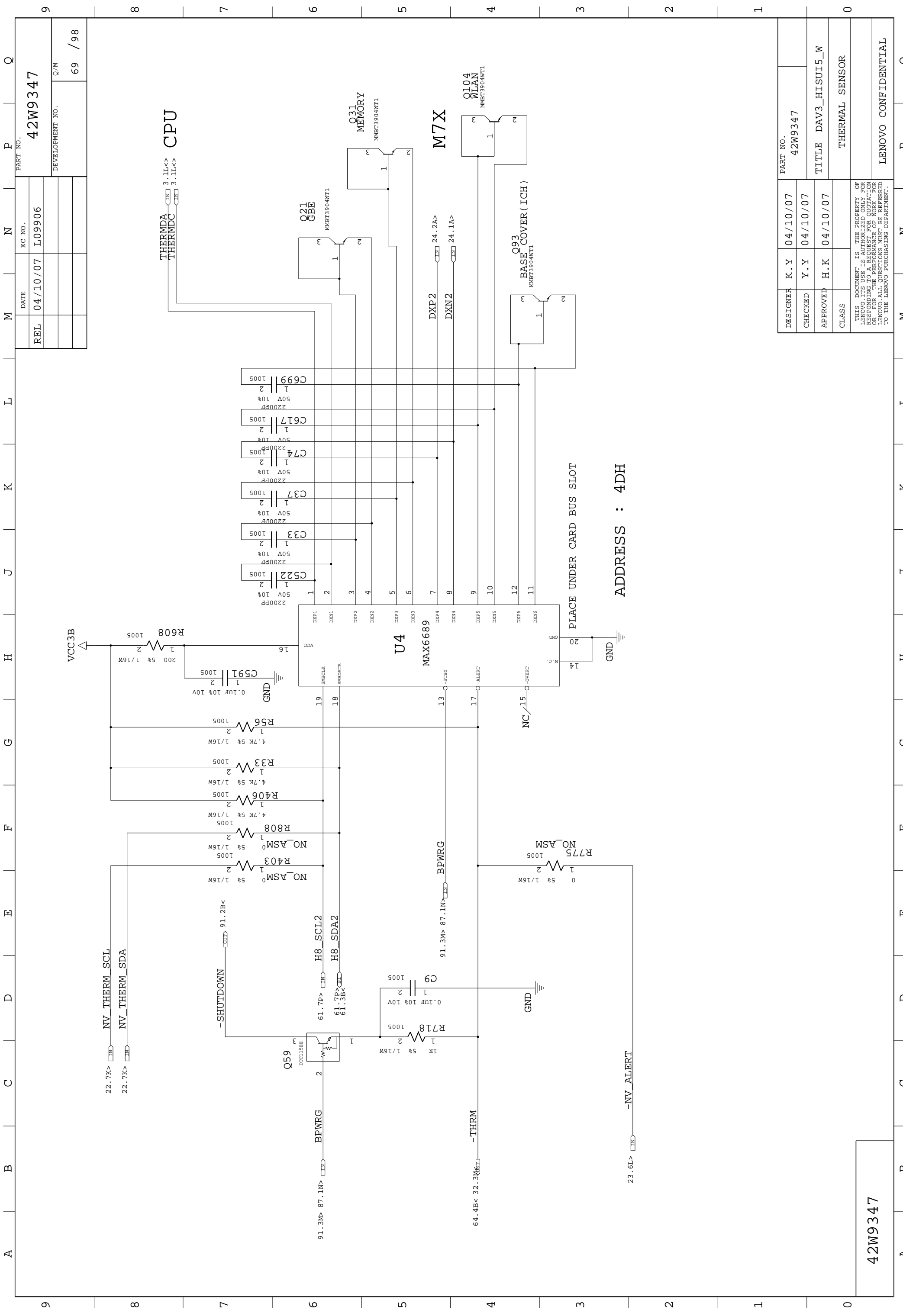


DESIGNER	K.Y	04/10/07	PART NO.	42W9347
CHECKED	Y.Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H.K	04/10/07	MEDIA CARD SLOT (4IN1)	
CLASS				

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DESIGNER	K.Y	04/10/07	PART NO.	42W9347
CHECKED	Y.Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H.K	04/10/07	MEDIA CARD SLOT (4IN1)	
CLASS				

LENOVO CONFIDENTIAL



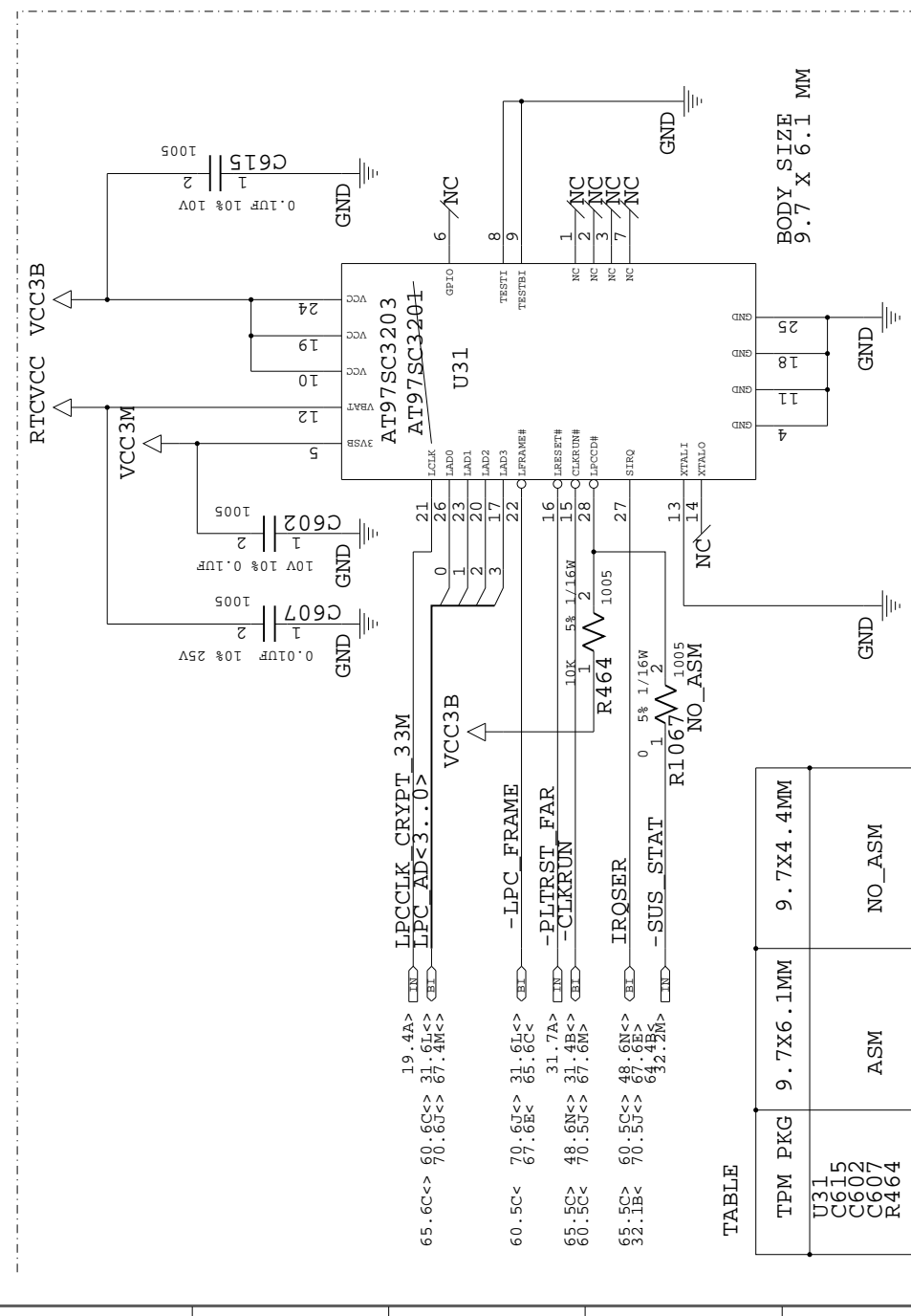
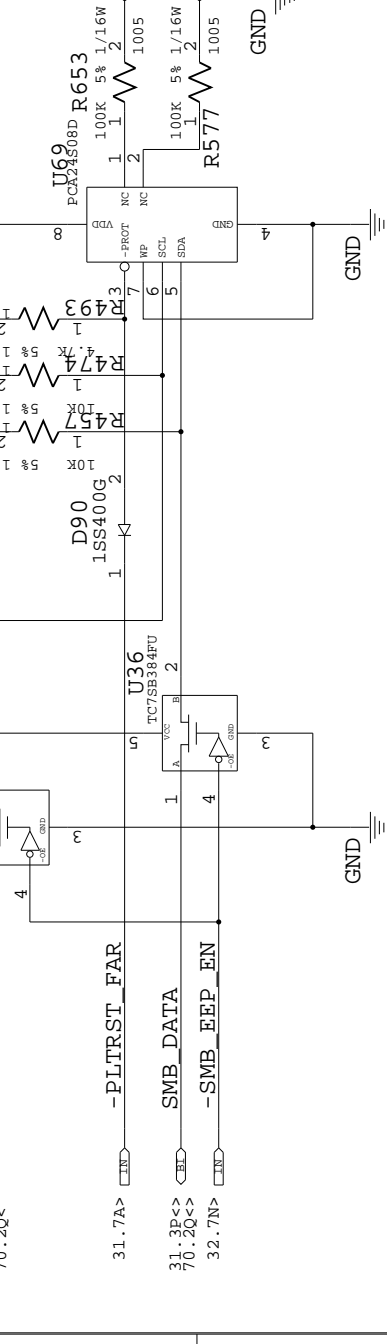
REL	04/10/07	L09906	DATE	EC NO.	L09906	PART NO.	42W9347
						DEVELOPMENT NO.	Q/M
							69 / 98

DESIGNER	K.Y	04/10/07	PART NO.	42W9347
CHECKED	Y.Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H.K	04/10/07	CLASS	THERMAL SENSOR
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42W9347

PLACE UNDER CARD BUS SLOT
ADDRESS : 4DH

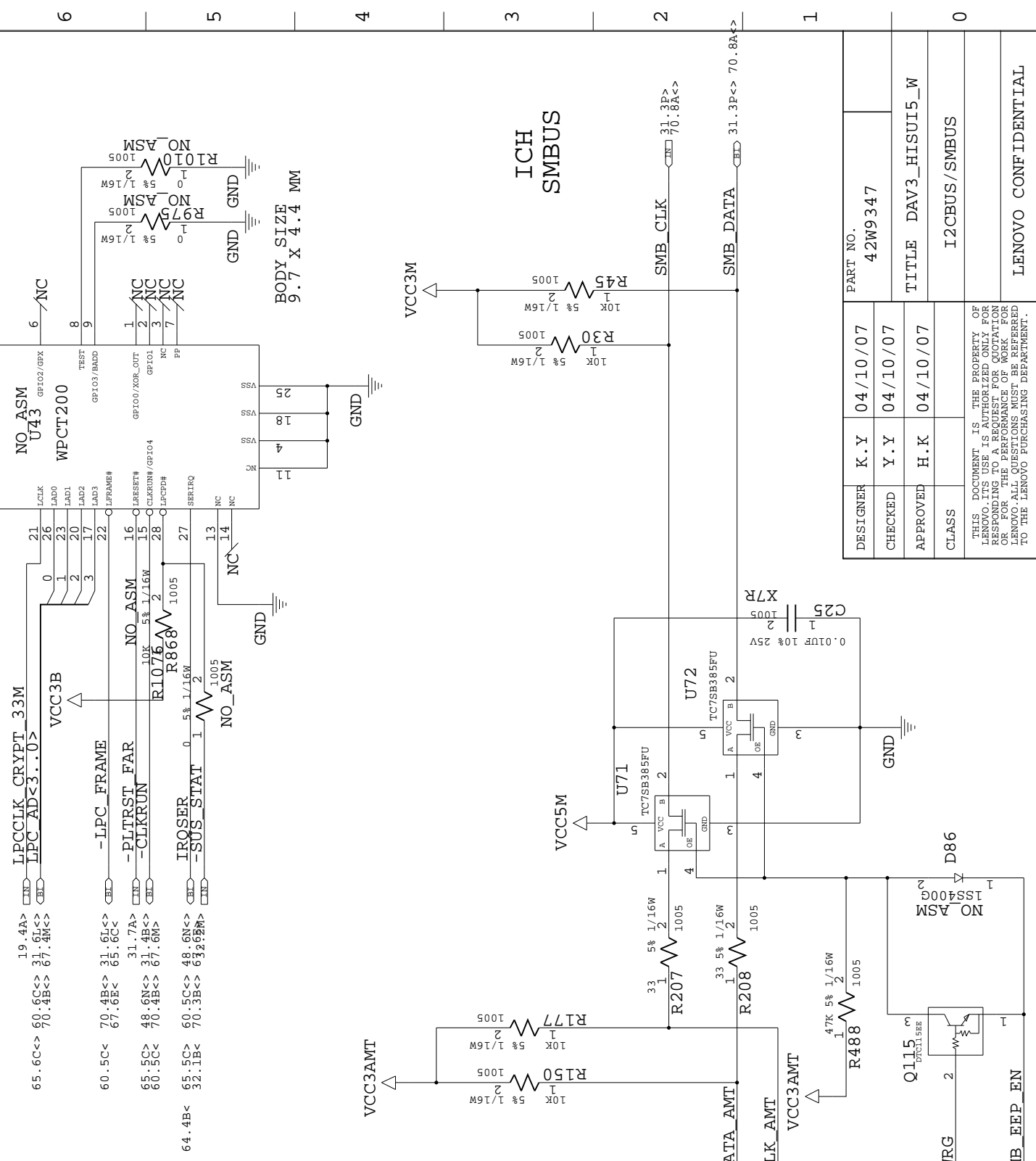
PHILLIPS 1024X8
 EEPROM W/ACCESS
 PROTECTION
 NEED TO ASSIGN NEW LENOVO
 P/N TO PICK UP NON-RF ID
 EEPROM.



TABLE

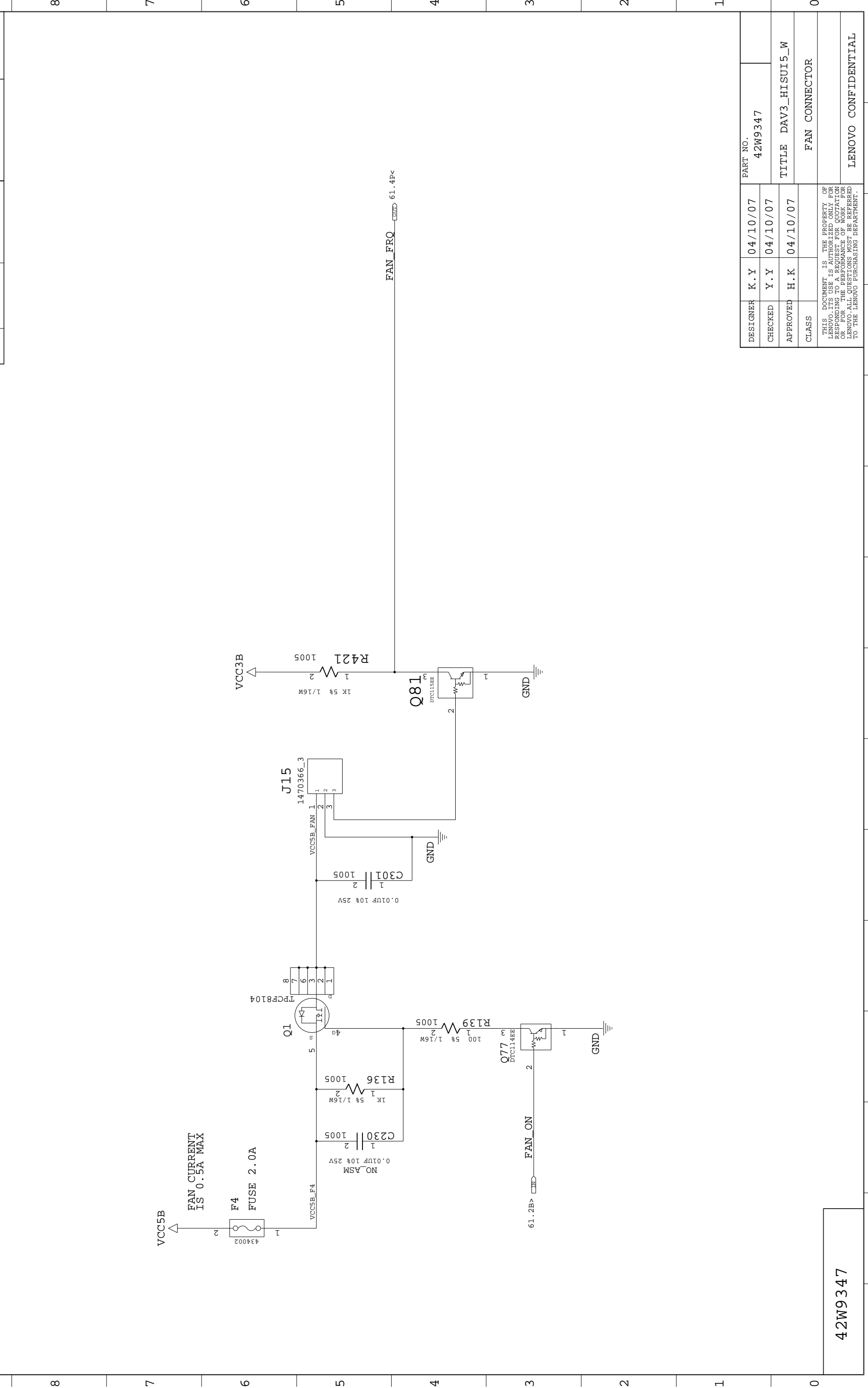
TPM PKG	9.7X6.1MM	9.7X4.4MM
U31	ASM	NO_ASM
C615	NO_ASM	ASM
C602	NO_ASM	ASM
C607	NO_ASM	ASM
R464	NO_ASM	ASM
U43	NO_ASM	ASM
C1084	NO_ASM	ASM
C620	NO_ASM	ASM
C618	NO_ASM	ASM
R868	NO_ASM	ASM

LOGIC



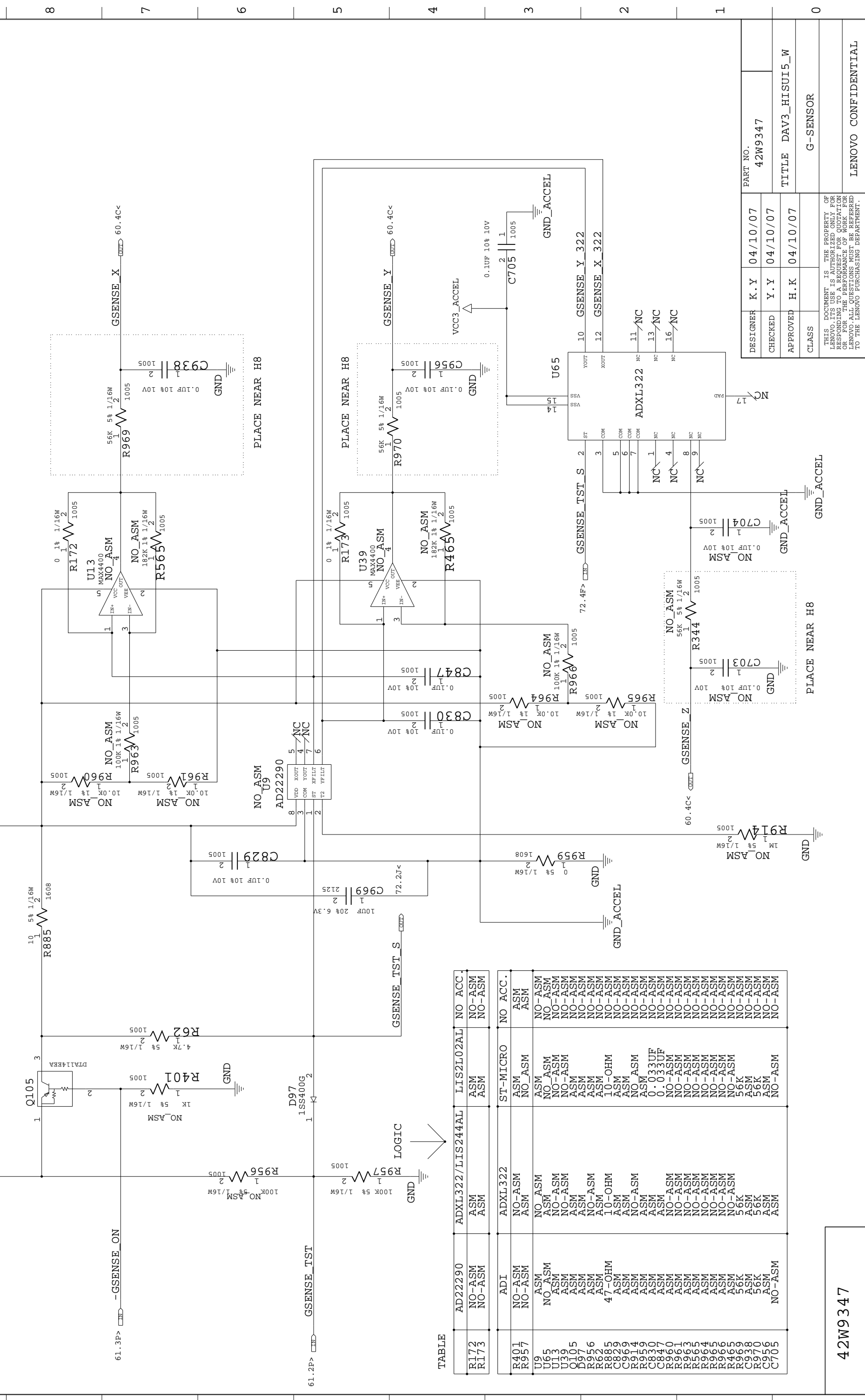
DESIGNER	K.Y	04/10/07	42W9347
CHECKED	Y.Y	04/10/07	
APPROVED	H.K	04/10/07	
CLASS			
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PART NO.	42W9347		
TITLE	DAV3_HISUI5_W		
I2CBUS/SMBUS			
LENOVO CONFIDENTIAL			

REL	04/10/07	L09906	42W9347
DATE	04/10/07	L09906	42W9347
EC NO.			
PART NO.			
DEVELOPMENT NO.		71	/98



DESIGNER	K.Y	04/10/07	PART NO.	42W9347
CHECKED	Y.Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H.K	04/10/07	CLASS	FAN CONNECTOR
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42W9347



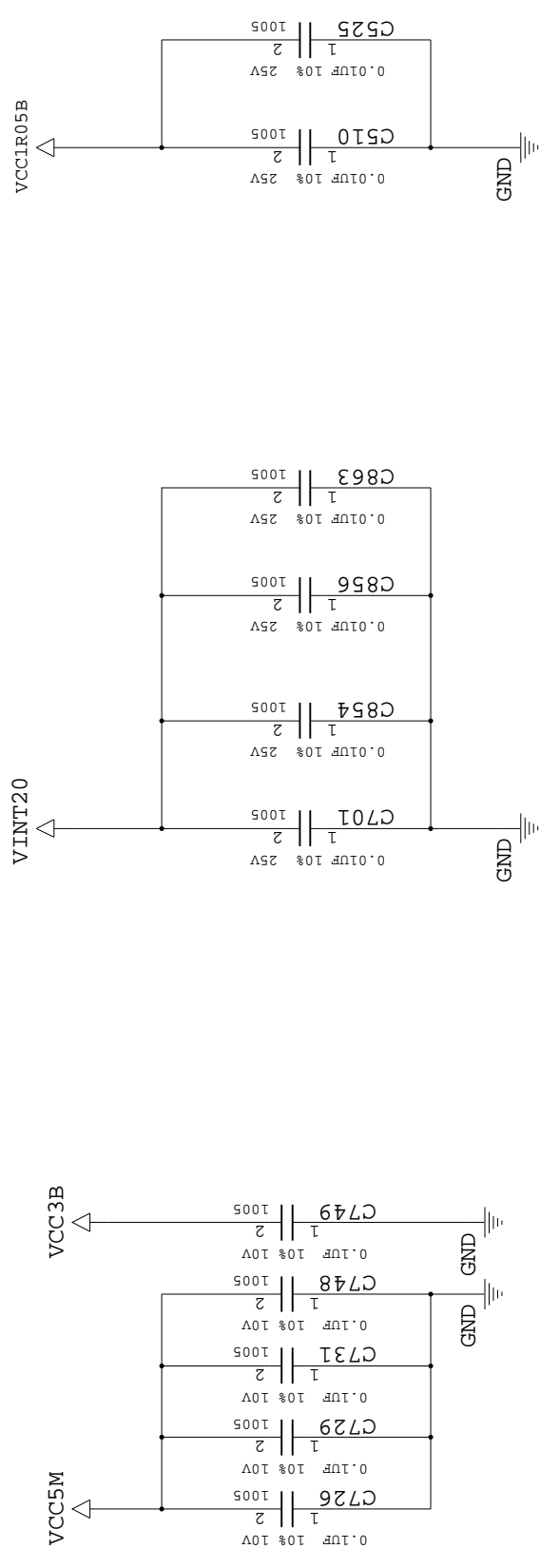
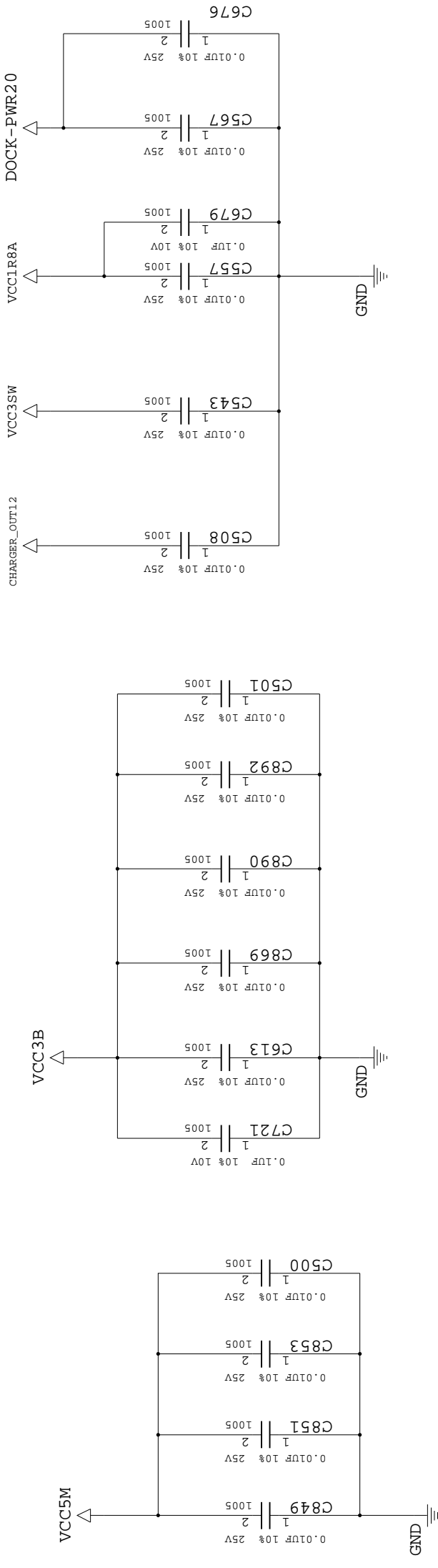
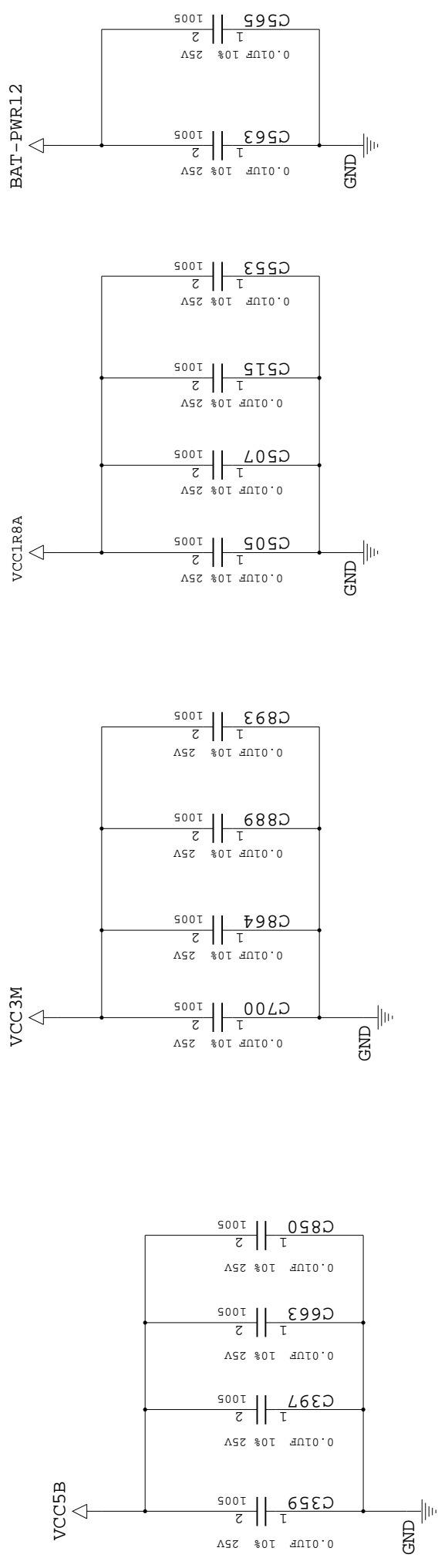
TABLE

R172	AD22290	ADXL322/LIS244AL	LIS2L02AL	NO ACC.
R173	NO-ASM	ASM	ASM	NO-ASM
R173	NO-ASM	ASM	ASM	NO-ASM
R401	ADI	ADXL322	ST-MICRO	NO ACC.
R957	NO-ASM	NO-ASM	ASM	ASM
R957	NO-ASM	NO-ASM	ASM	ASM
U9	ASM	NO-ASM	ASM	NO-ASM
U65	NO-ASM	ASM	NO-ASM	NO-ASM
U13	ASM	NO-ASM	NO-ASM	NO-ASM
U39	ASM	NO-ASM	NO-ASM	NO-ASM
Q105	ASM	NO-ASM	NO-ASM	NO-ASM
D97	ASM	NO-ASM	NO-ASM	NO-ASM
R956	ASM	NO-ASM	NO-ASM	NO-ASM
R957	ASM	NO-ASM	NO-ASM	NO-ASM
R958	ASM	NO-ASM	NO-ASM	NO-ASM
R959	ASM	NO-ASM	NO-ASM	NO-ASM
R960	ASM	NO-ASM	NO-ASM	NO-ASM
R961	ASM	NO-ASM	NO-ASM	NO-ASM
R962	ASM	NO-ASM	NO-ASM	NO-ASM
R963	ASM	NO-ASM	NO-ASM	NO-ASM
R964	ASM	NO-ASM	NO-ASM	NO-ASM
R965	ASM	NO-ASM	NO-ASM	NO-ASM
R966	ASM	NO-ASM	NO-ASM	NO-ASM
R967	ASM	NO-ASM	NO-ASM	NO-ASM
R968	ASM	NO-ASM	NO-ASM	NO-ASM
R969	ASM	NO-ASM	NO-ASM	NO-ASM
R970	ASM	NO-ASM	NO-ASM	NO-ASM
R971	ASM	NO-ASM	NO-ASM	NO-ASM
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R975	ASM	NO-ASM	NO-ASM	NO-ASM
R976	ASM	NO-ASM	NO-ASM	NO-ASM
R977	ASM	NO-ASM	NO-ASM	NO-ASM
R978	ASM	NO-ASM	NO-ASM	NO-ASM
R979	ASM	NO-ASM	NO-ASM	NO-ASM
R980	ASM	NO-ASM	NO-ASM	NO-ASM
R981	ASM	NO-ASM	NO-ASM	NO-ASM
R982	ASM	NO-ASM	NO-ASM	NO-ASM
R983	ASM	NO-ASM	NO-ASM	NO-ASM
R984	ASM	NO-ASM	NO-ASM	NO-ASM
R985	ASM	NO-ASM	NO-ASM	NO-ASM
R986	ASM	NO-ASM	NO-ASM	NO-ASM
R987	ASM	NO-ASM	NO-ASM	NO-ASM
R988	ASM	NO-ASM	NO-ASM	NO-ASM
R989	ASM	NO-ASM	NO-ASM	NO-ASM
R990	ASM	NO-ASM	NO-ASM	NO-ASM
R991	ASM	NO-ASM	NO-ASM	NO-ASM
R992	ASM	NO-ASM	NO-ASM	NO-ASM
R993	ASM	NO-ASM	NO-ASM	NO-ASM
R994	ASM	NO-ASM	NO-ASM	NO-ASM
R995	ASM	NO-ASM	NO-ASM	NO-ASM
R996	ASM	NO-ASM	NO-ASM	NO-ASM
R997	ASM	NO-ASM	NO-ASM	NO-ASM
R998	ASM	NO-ASM	NO-ASM	NO-ASM
R999	ASM	NO-ASM	NO-ASM	NO-ASM
C705	NO-ASM	ASM	NO-ASM	NO-ASM

DESIGNER	K.Y	04/10/07	PART NO.	42W9347
CHECKED	Y.Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H.K	04/10/07	CLASS	G-SENSOR

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REL	DATE	EC NO.	PART NO.
04/10/07	04/10/07	L09906	42W9347
			DEVELOPMENT NO.
			Q/M
			73 / 98

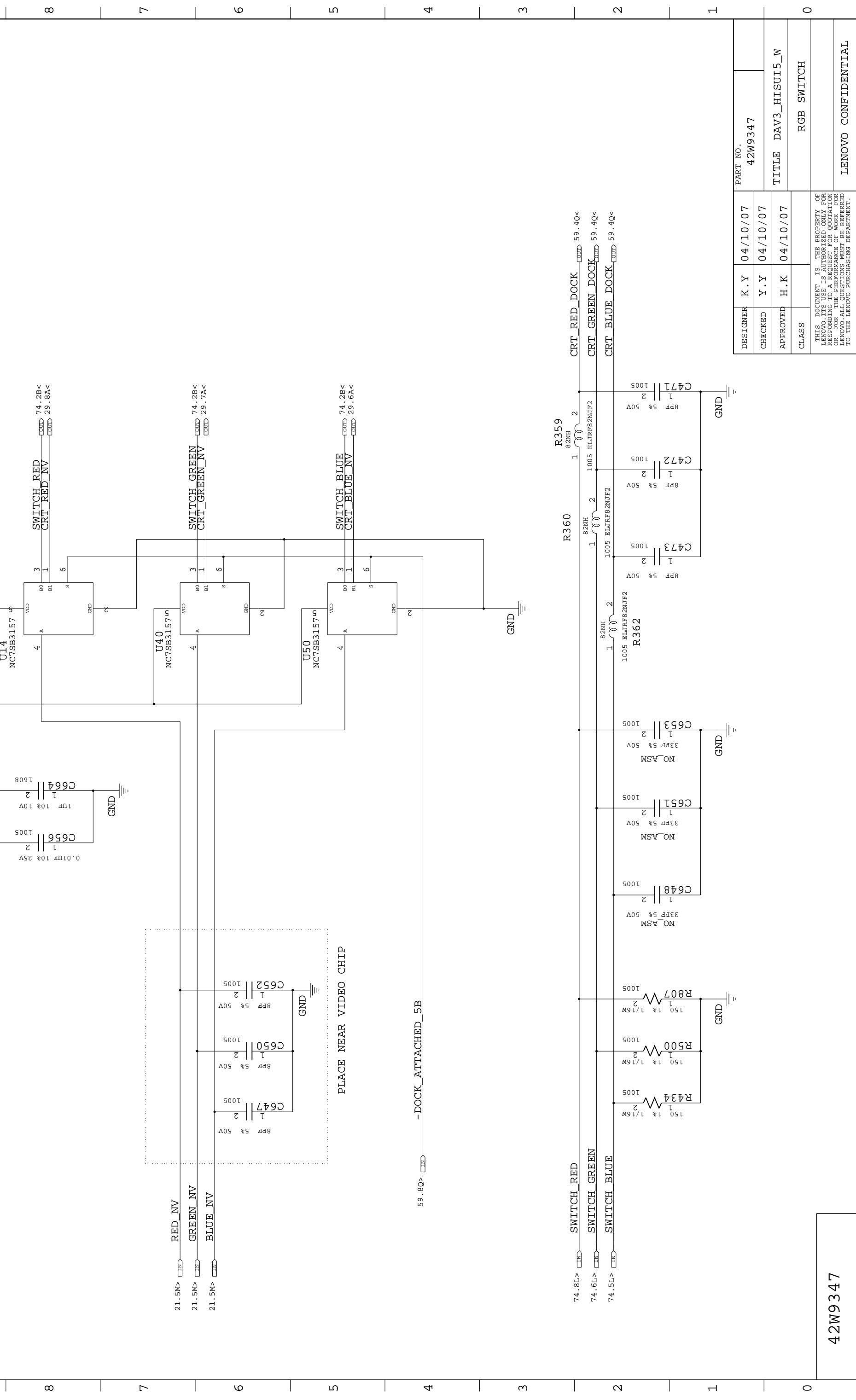


DESIGNER	K. Y	04/10/07	PART NO.	42W9347
CHECKED	Y. Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H. K	04/10/07	CLASS	EMC DECOUPLING
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42W9347

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REL	04/10/07	L09906	DATE	EC NO.	L09906	PART NO.	42W9347
						DEVELOPMENT NO.	74 / 98

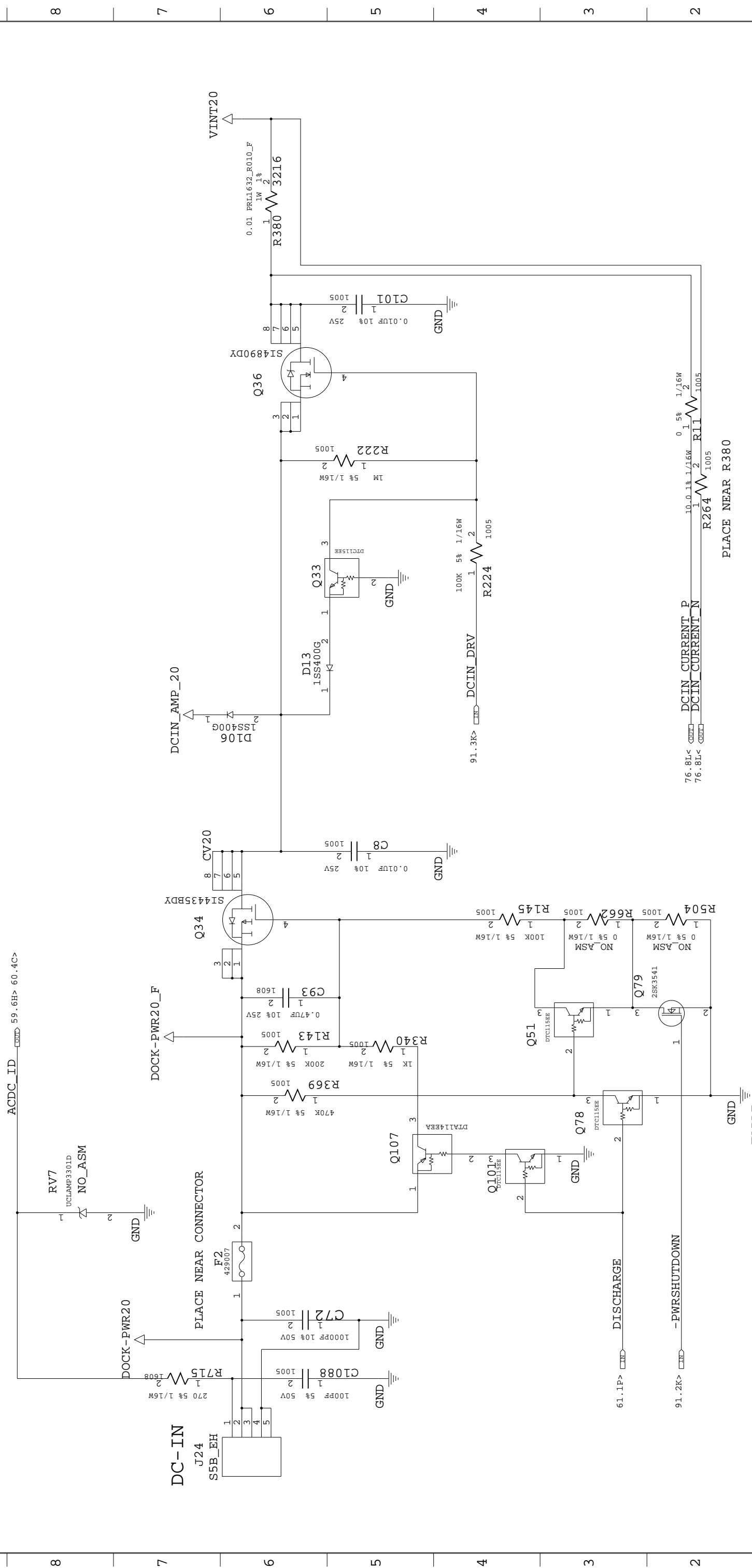


42W9347

DESIGNER	K.Y	04/10/07	PART NO.	42W9347
CHECKED	Y.Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H.K	04/10/07	CLASS	RGB SWITCH
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A B C D E F G H J K L M N P Q

REL	DATE	EC NO.	PART NO.
04/10/07	L09906		42W9347
			DEVELOPMENT NO.
			75 / 98



TABLE

PEAK SHIFT	YES	NO
R662	NO-ASM	ASM
R369	NO-ASM	NO-ASM
Q78	ASM	NO-ASM
Q51	ASM	NO-ASM

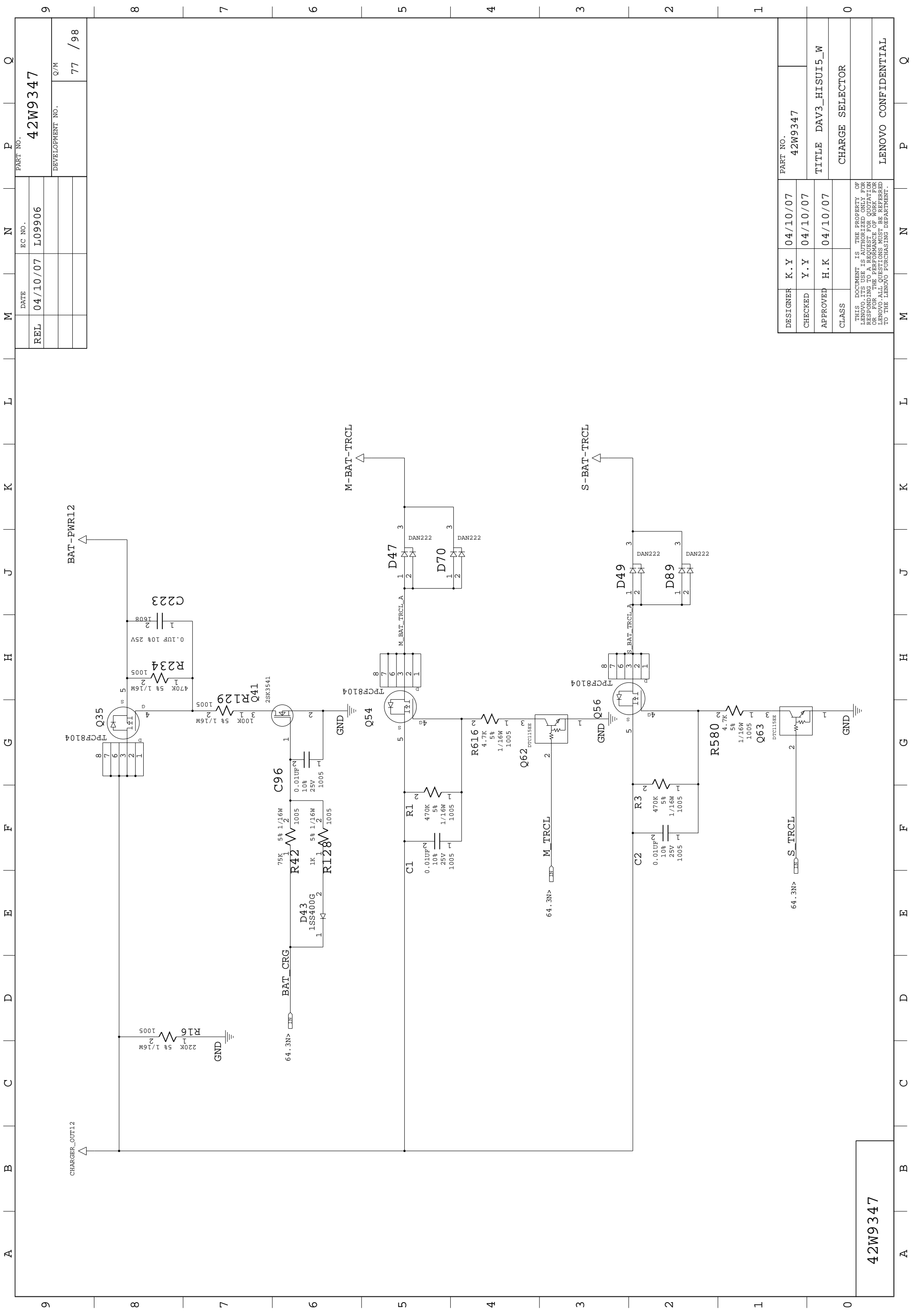
← LOGIC

DESIGNER	K.Y	04/10/07	PART NO.	42W9347
CHECKED	Y.Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H.K	04/10/07	CLASS	DC-IN

42W9347

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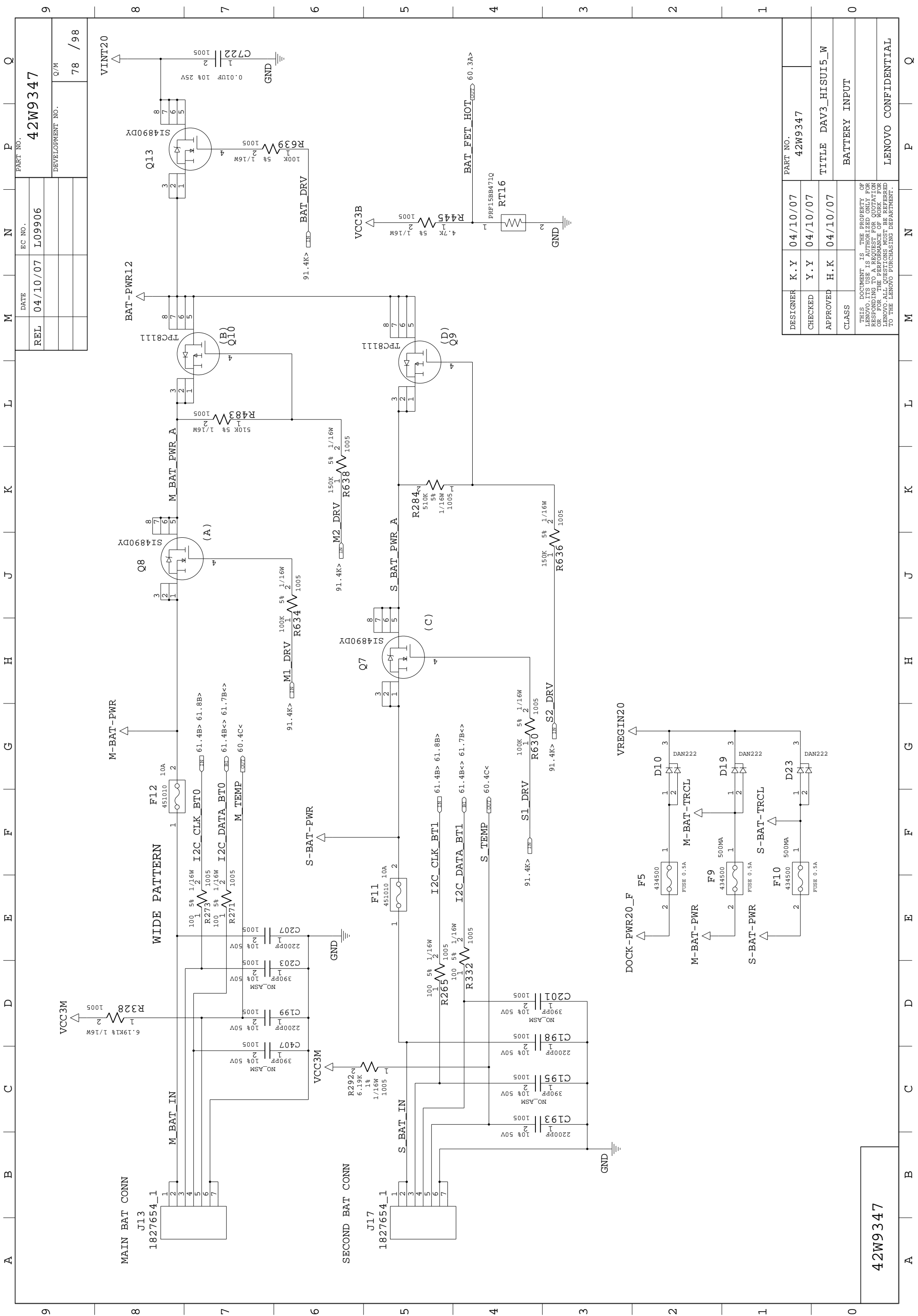
REL	DATE	EC NO.	PART NO.
	04/10/07	L09906	42W9347
			DEVELOPMENT NO.
			77 / 98

DESIGNER	K.Y	04/10/07	PART NO.
CHECKED	Y.Y	04/10/07	42W9347
APPROVED	H.K	04/10/07	TITLE
CLASS			DAV3_HISUI5_W
CHARGE SELECTOR			

42W9347

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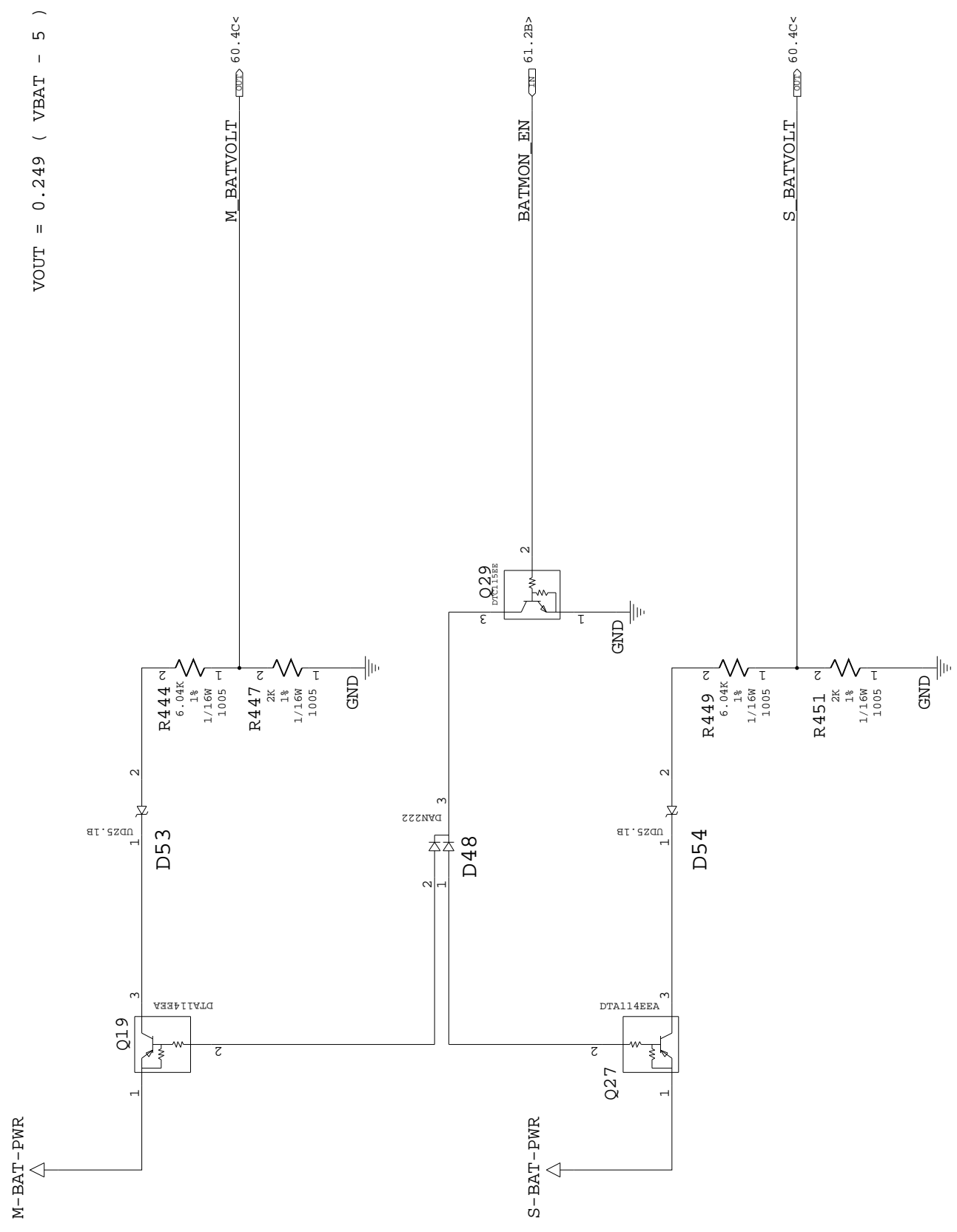
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DESIGNER	K. Y	04/10/07	PART NO.	42W9347
CHECKED	Y. Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H. K	04/10/07	CLASS	BATTERY INPUT
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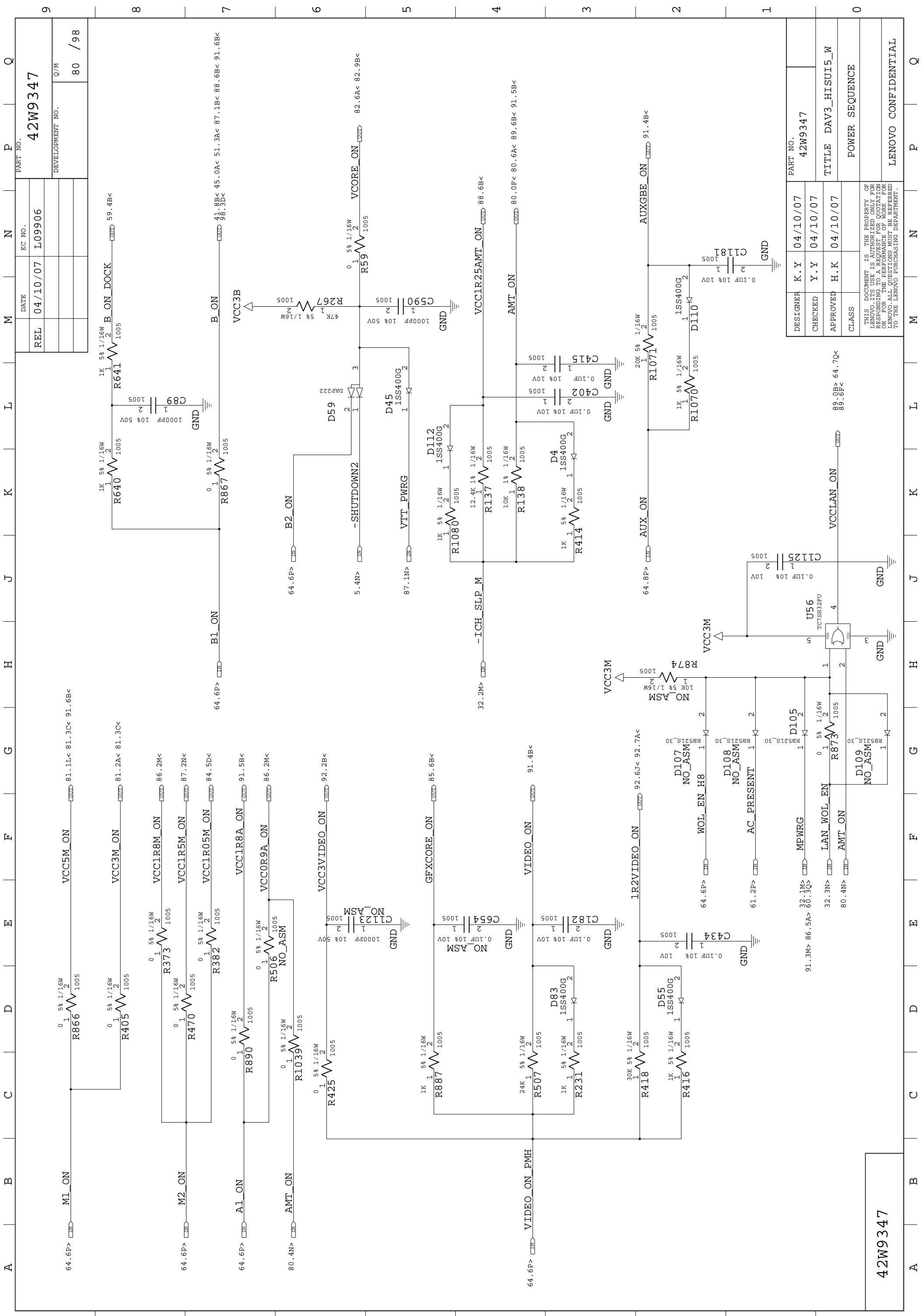
42W9347

REL	DATE	EC NO.	PART NO.
	04/10/07	L09906	42W9347
			DEVELOPMENT NO.
			79 / 98



DESIGNER	K.Y	04/10/07	PART NO.	42W9347
CHECKED	Y.Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H.K	04/10/07	CLASS	BATTERY MONITOR
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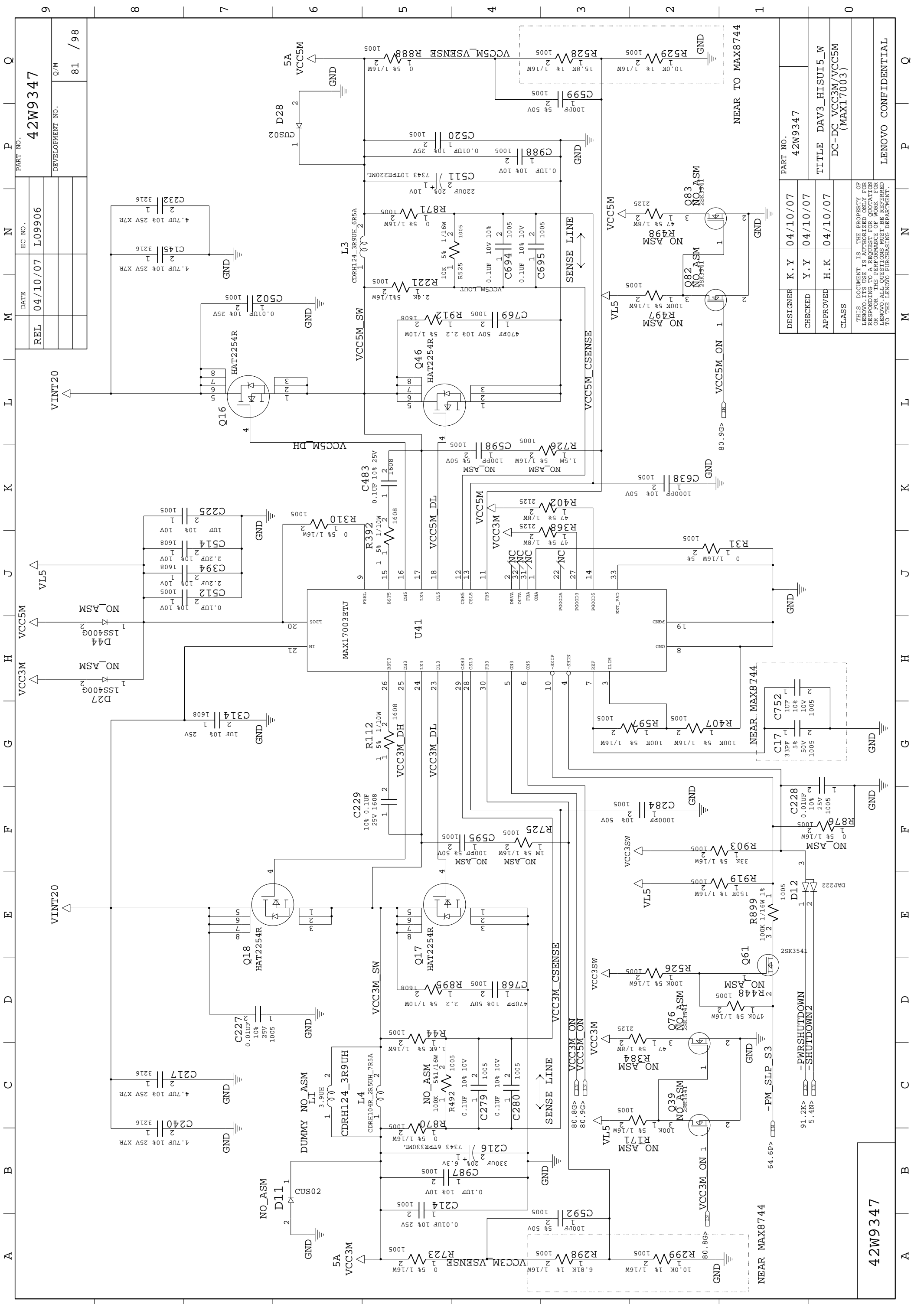
42W9347



REL	04/10/07	EC NO.	L09906	PART NO.	42W9347
DATE	04/10/07	DEVELOPMENT NO.	Q/M		
					80 / 98

DESIGNER	K.Y	04/10/07	PART NO.	42W9347
CHECKED	Y.Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H.K	04/10/07	CLASS	POWER SEQUENCE
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42W9347



DESIGNER	K. Y	04/10/07	PART NO.	42W9347
CHECKED	Y. Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H. K	04/10/07	DC-DC	VCC3M/VCC5M
CLASS				(MAX17003)

42W9347

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NEAR MAX8744

NEAR MAX8744

NEAR MAX8744

NEAR MAX8744

NEAR MAX8744

NEAR MAX8744

NEAR MAX8744

NEAR MAX8744

NEAR MAX8744

NEAR MAX8744

NEAR MAX8744

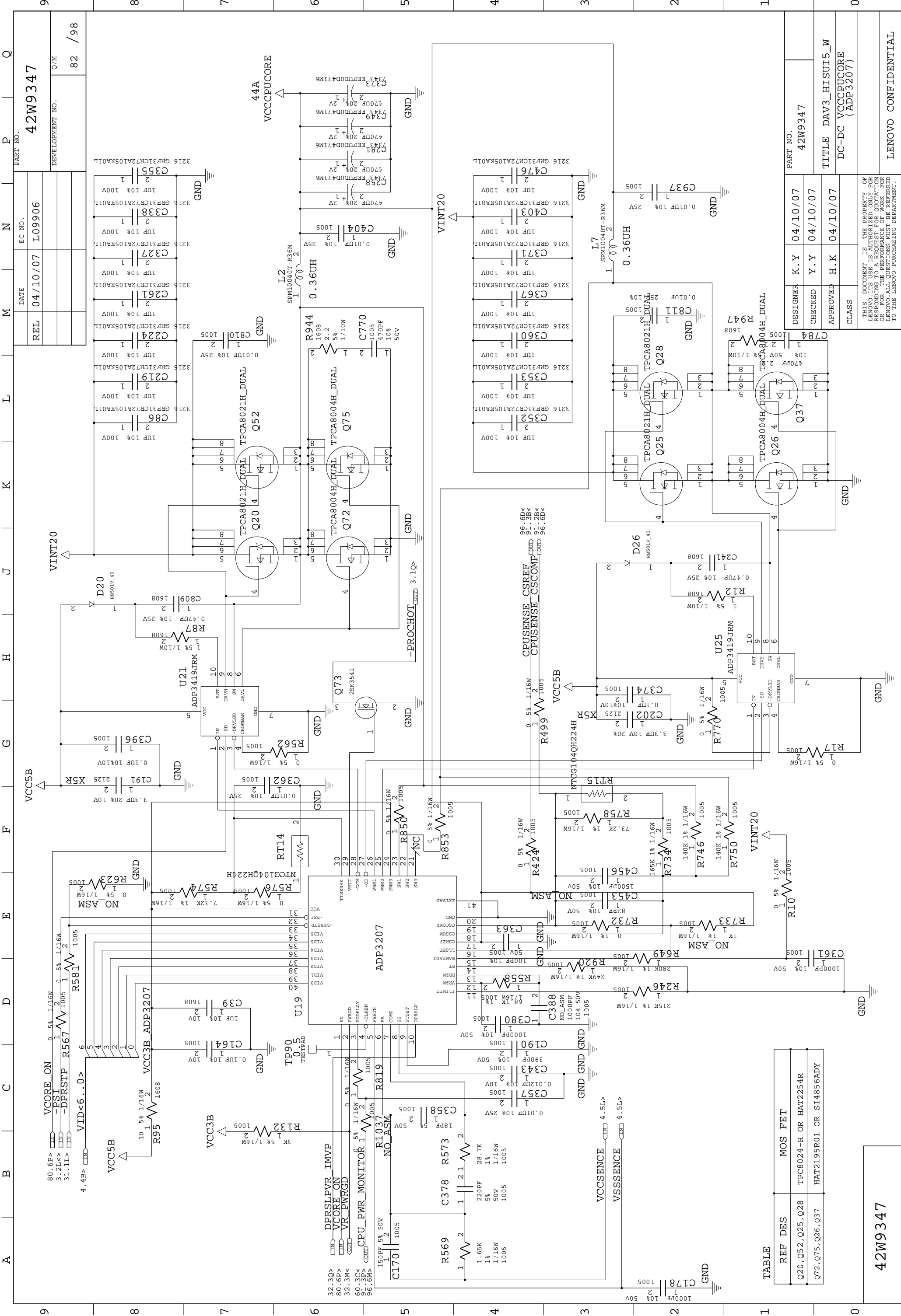
NEAR MAX8744

NEAR MAX8744

NEAR MAX8744

NEAR MAX8744

NEAR MAX8744



REL 04/10/07
DATE 04/10/07
EC NO. L09906
PART NO. 42W9347
DEVELOPMENT NO. Q/M
82 / 98

REF DES	MOS FET
Q20, Q52, Q25, Q28	TPCA8024-H OR HAT2254R
Q72, Q75, Q26, Q37	HAT2195R01 OR SI4856ADY

DESIGNER	K. Y.	04/10/07
CHECKED	Y. Y.	04/10/07
APPROVED	H. K.	04/10/07
CLASS		

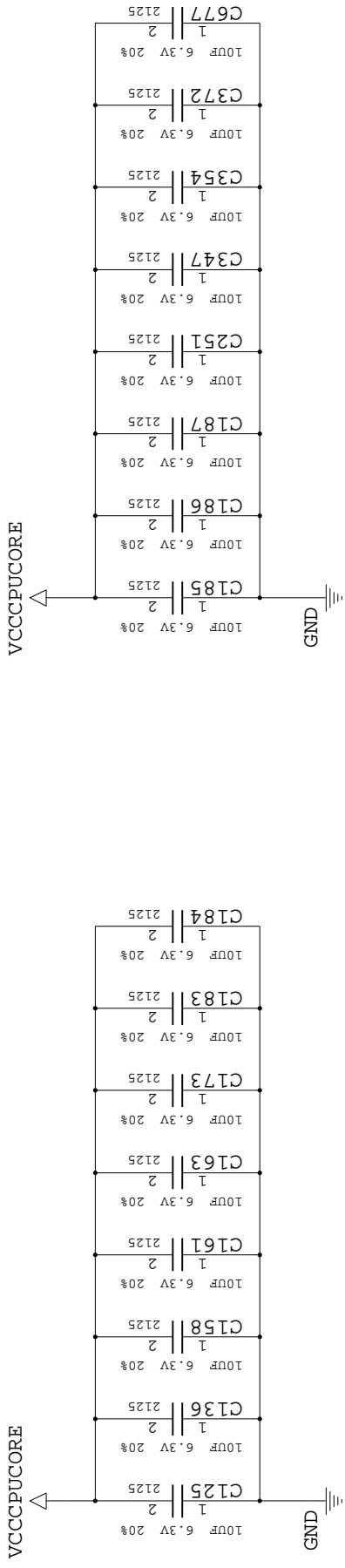
PART NO. 42W9347
TITLE DAV3_HISUI5_W
DC-DC VCCCPUCORE
(ADP3207)

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OR FOR THE PERFORMANCE OF WORK
FOR THE PERFORMANCE OF WORK
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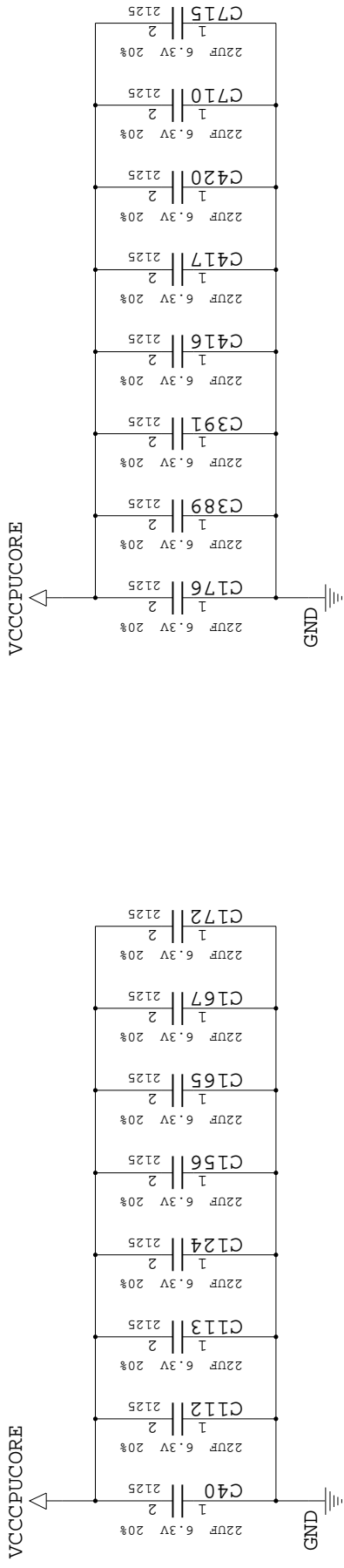
42W9347

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REL	DATE	EC NO.	PART NO.
	04/10/07	L09906	42W9347
			DEVELOPMENT NO.
			Q/M
			83 / 98



10UF 6.3V X5R 2125 1/16W X 16PCS



22UF 6.3V X5R 2125 1/16W X 16PCS

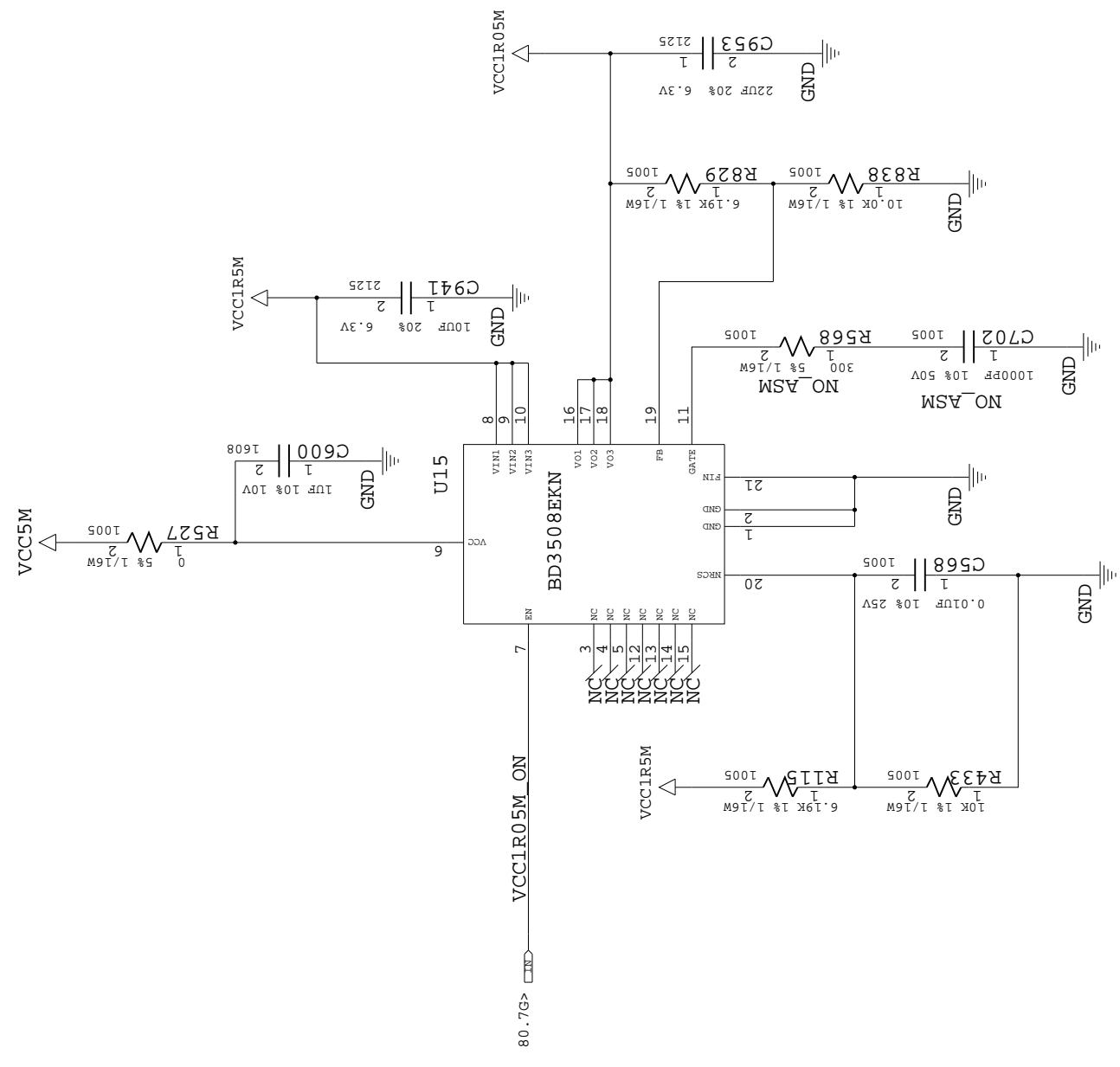
DESIGNER	K.Y	04/10/07	PART NO.
CHECKED	Y.Y	04/10/07	42W9347
APPROVED	H.K	04/10/07	TITLE DAV3_HISUI5_W
CLASS			VCCPUCORE DECOUPLING

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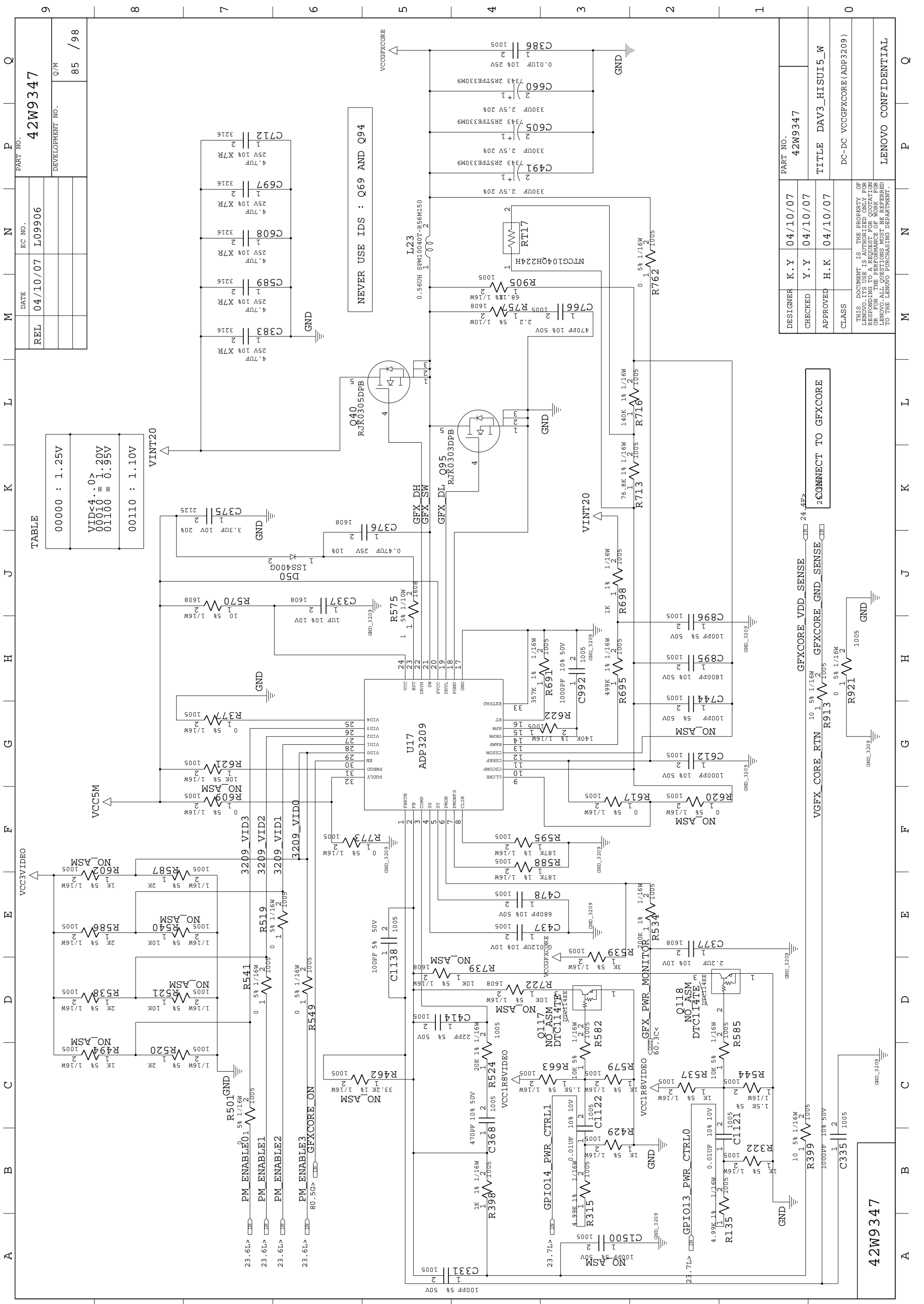
REL	DATE	EC NO.	PART NO.
	04/10/07	L09906	42W9347
			DEVELOPMENT NO.
			84 / 98



DESIGNER	K.Y	04/10/07	PART NO.
CHECKED	Y.Y	04/10/07	42W9347
APPROVED	H.K	04/10/07	TITLE DAV3_HISUI5_W
CLASS			DC-DC VCC1R05M

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42W9347



TABLE

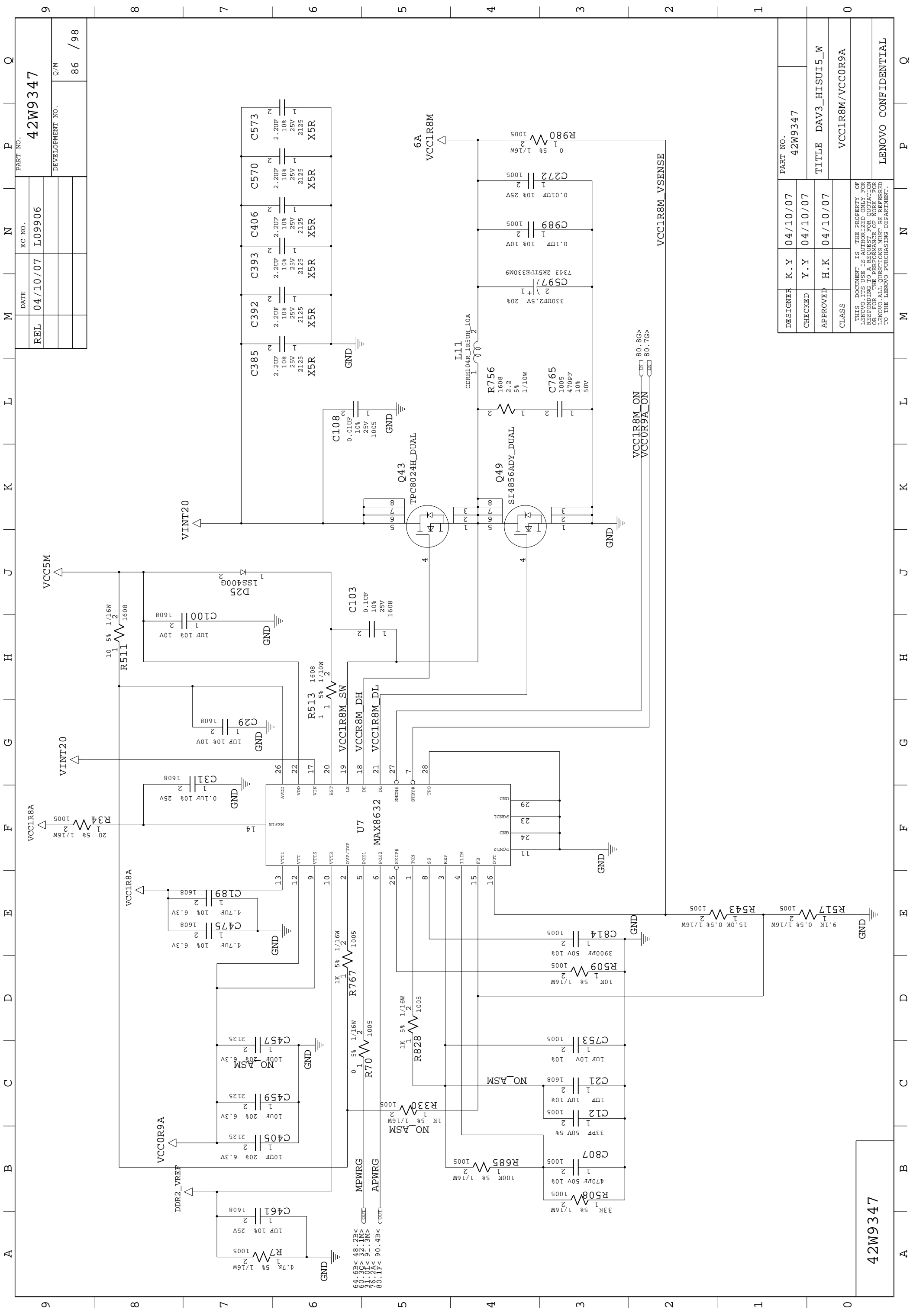
00000 : 1.25V
VID<4..0> = 1.20V
00010 = 1.20V
01100 = 0.95V
00110 : 1.10V

REL	DATE	EC NO.	PART NO.
	04/10/07	L09906	42W9347
			DEVELOPMENT NO.
			Q/M
			85 / 98

DESIGNER	K. Y	04/10/07	PART NO.	42W9347
CHECKED	Y. Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H. K	04/10/07	CLASS	DC-DC VCCGFXCORE(ADP3209)
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VGF_X_CORE_RTIN		10 5% 1/16W	R913	NO_CONNECT TO GFXCORE
GFXCORE_VDD_SENSE		24.4F2		
GFXCORE_GND_SENSE				
R921		0 5% 1/16W		
R921		1005		
GND_3209				

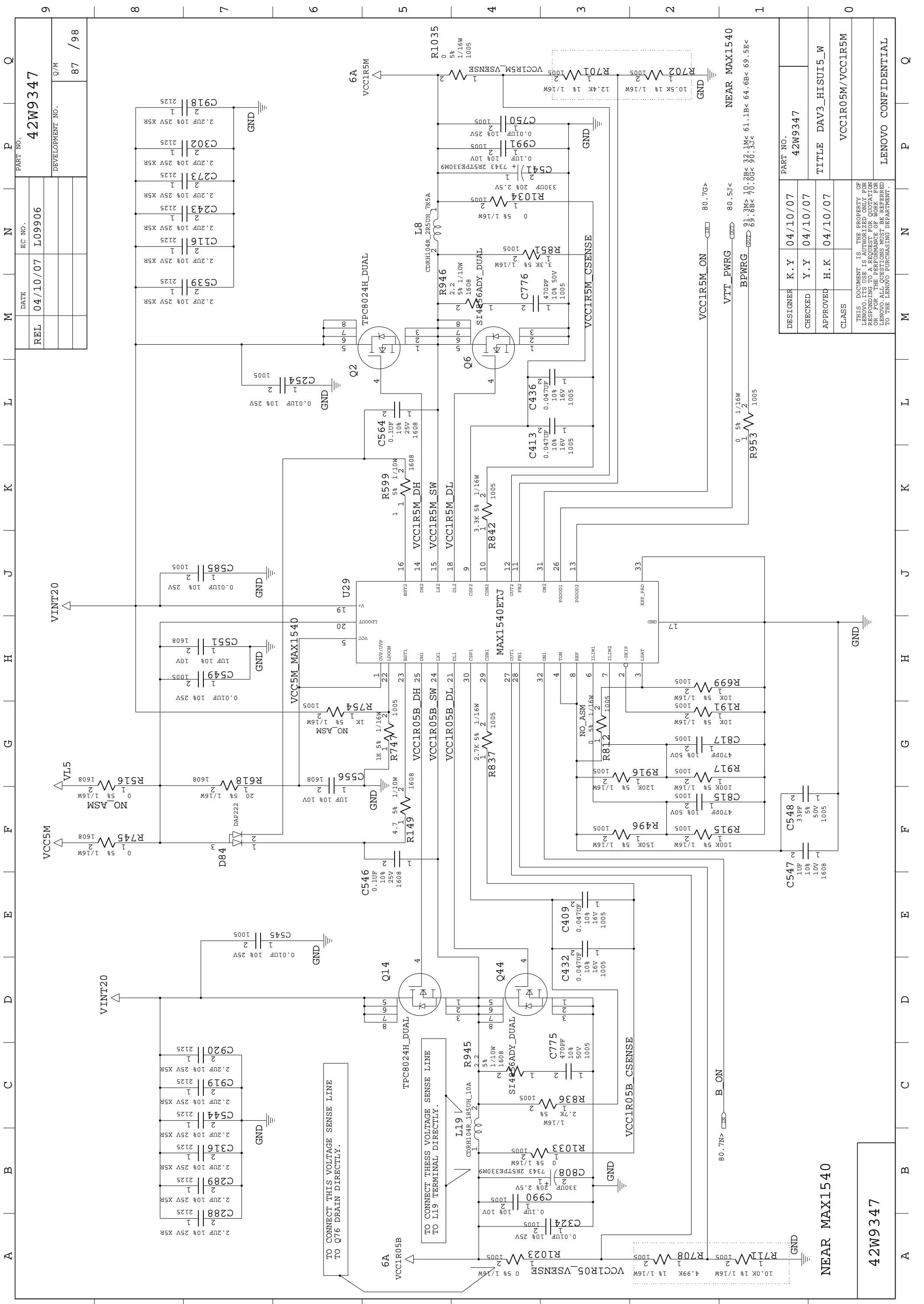
42W9347



REL	DATE	EC NO.	PART NO.
	04/10/07	L09906	42W9347
			DEVELOPMENT NO.
			Q/M
			86 / 98

DESIGNER	K.Y	04/10/07	PART NO.	42W9347
CHECKED	Y.Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H.K	04/10/07	CLASS	VCC1R8M/VCC0R9A
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42W9347



DESIGNER	K. Y	04/10/07	42W9347
CHECKED	Y. Y	04/10/07	TITLE DAV3_HISUI5_W
APPROVED	H. K	04/10/07	VCC1R05M/VCC1R5M
CLASS			

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PART NO.	42W9347
DESIGNER	K. Y
CHECKED	Y. Y
APPROVED	H. K
CLASS	

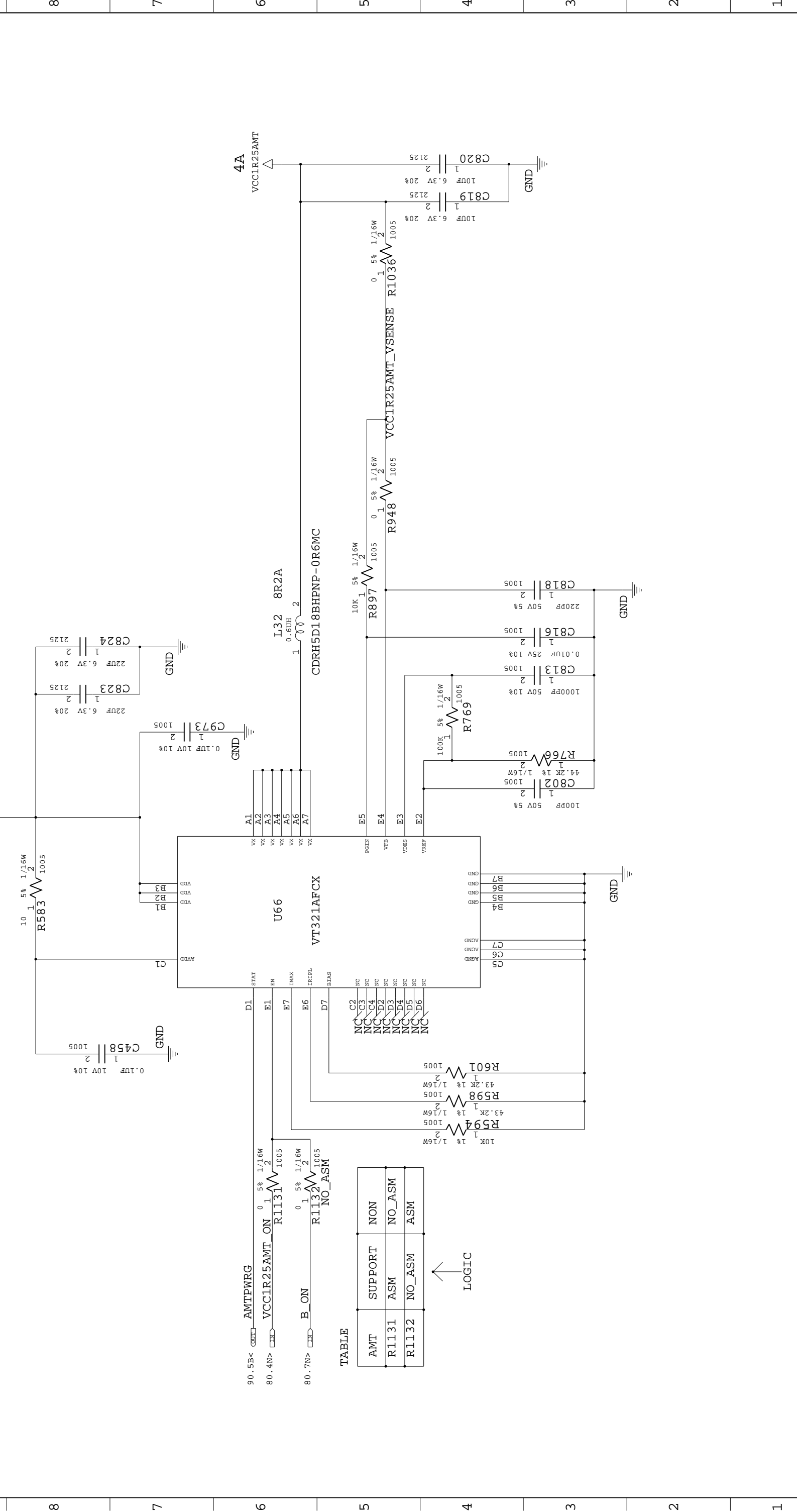
NEAR MAX1540

42W9347

TO CONNECT THIS VOLTAGE SENSE LINE
TO Q76 DRAIN DIRECTLY.

TO CONNECT THIS VOLTAGE SENSE LINE
TO L19 TERMINAL DIRECTLY.

NEAR MAX1540
VCC1R5M_ON 80.7G>
VTT_PWRG 80.5J>
BPWRG 81.2M> 10.2B< 32.1W< 61.1B< 64.6B< 69.5E<



90.5B< AMTPWRG
 80.4N> VCC1R25AMT_ON 0 5% 1/16W
 R1131
 80.7N> B_ON 0 5% 1/16W
 R1132
 NO_ASM

TABLE

AMT	SUPPORT	NON
R1131	ASM	NO_ASM
R1132	NO_ASM	ASM

← LOGIC

DESIGNER	K.Y	04/10/07	PART NO.	42W9347
CHECKED	Y.Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H.K	04/10/07	DC-DC	VCC1R25AMT
CLASS			(VT321)	

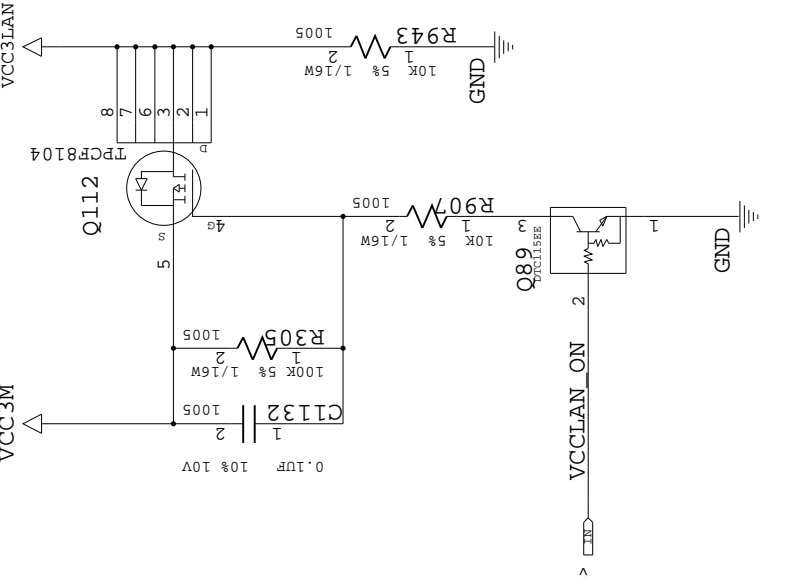
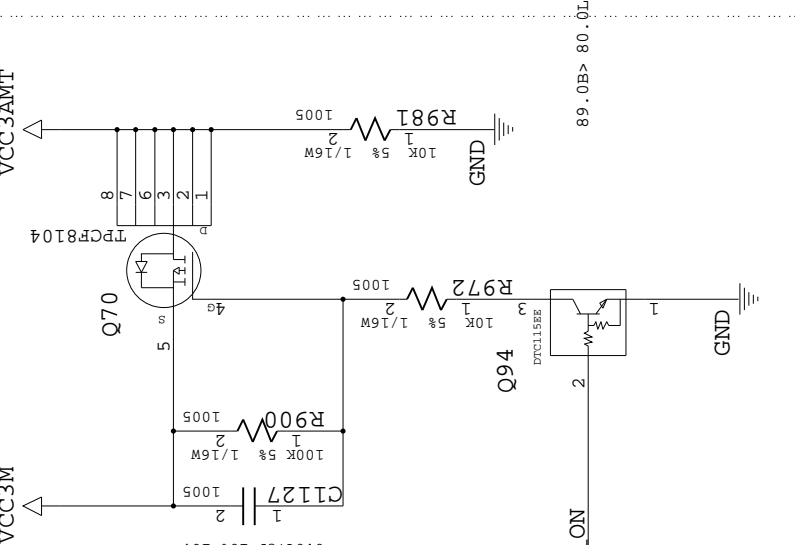
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TABLE

AMT	SUPPORT	NON
ASMT	ASMT	NO-ASM

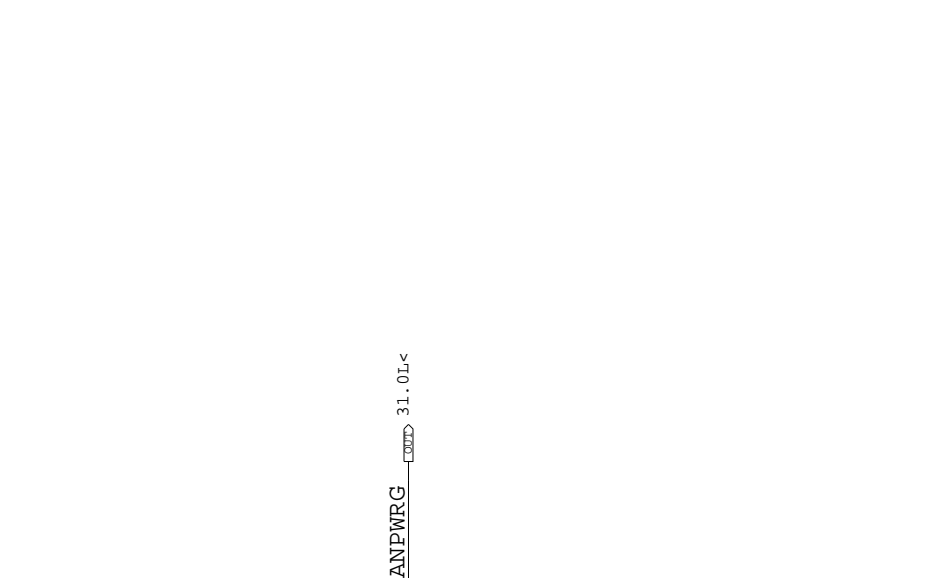
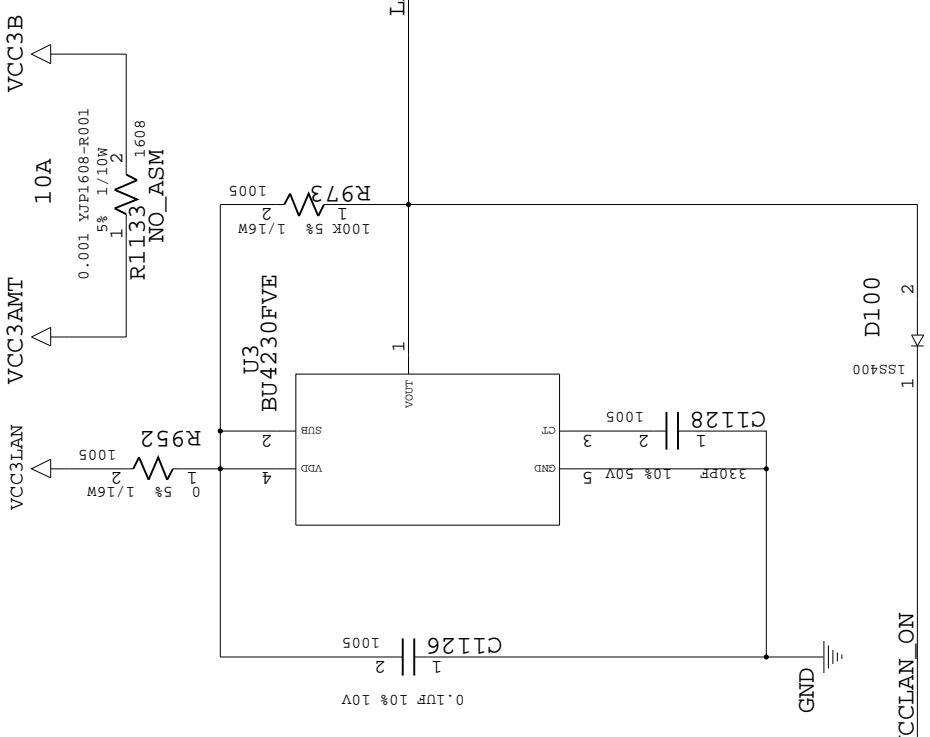
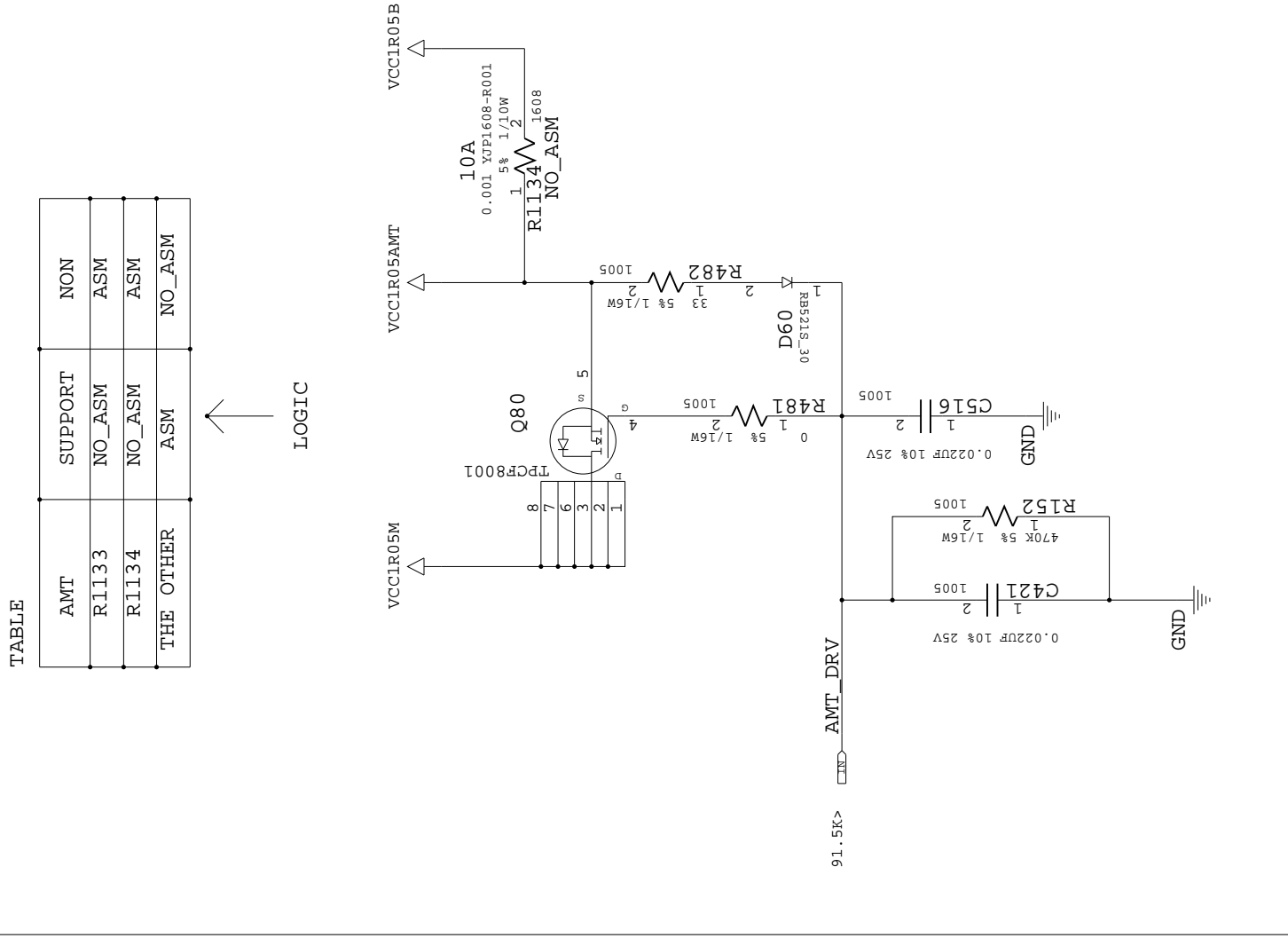
← LOGIC



TABLE

AMT	SUPPORT	NON
R1133	NO_ASM	ASM
R1134	NO_ASM	ASM
THE OTHER	ASM	NO_ASM

← LOGIC



64.7Q< 89.0E2
89.0E2

VCCLAN_ON

VCCLAN_ON

LANPWRG

31.0L<

DESIGNER	K.Y	04/10/07	PART NO.	42W9347
CHECKED	Y.Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H.K	04/10/07	CLASS	LOAD SW AMT/LAN

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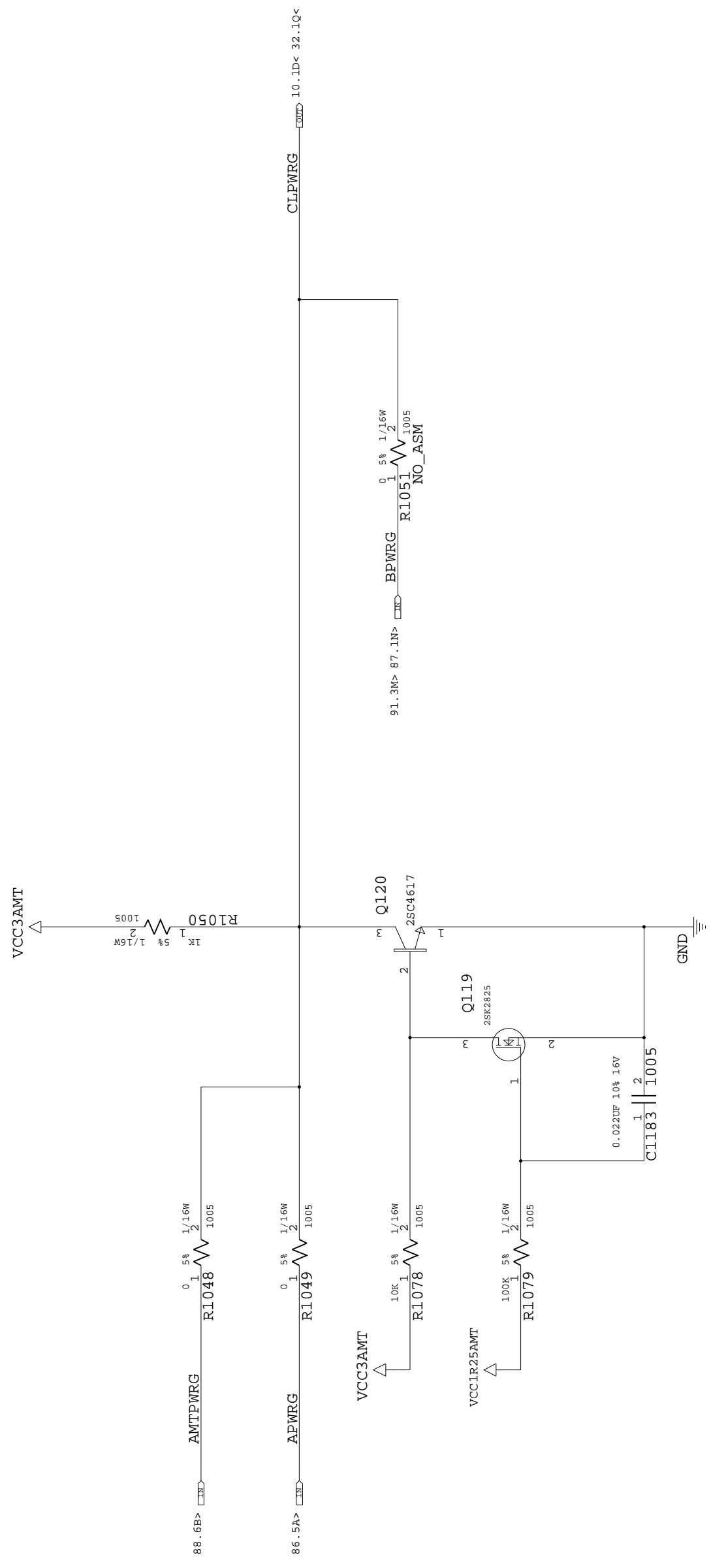
42W9347

REL	DATE	EC NO.	PART NO.
	04/10/07	L09906	42W9347
			DEVELOPMENT NO.
			90 / 98

TABLE

	AMT	NON_AMT
R1051	NO_ASM	ASM
OTHERS	ASM	NO_ASM

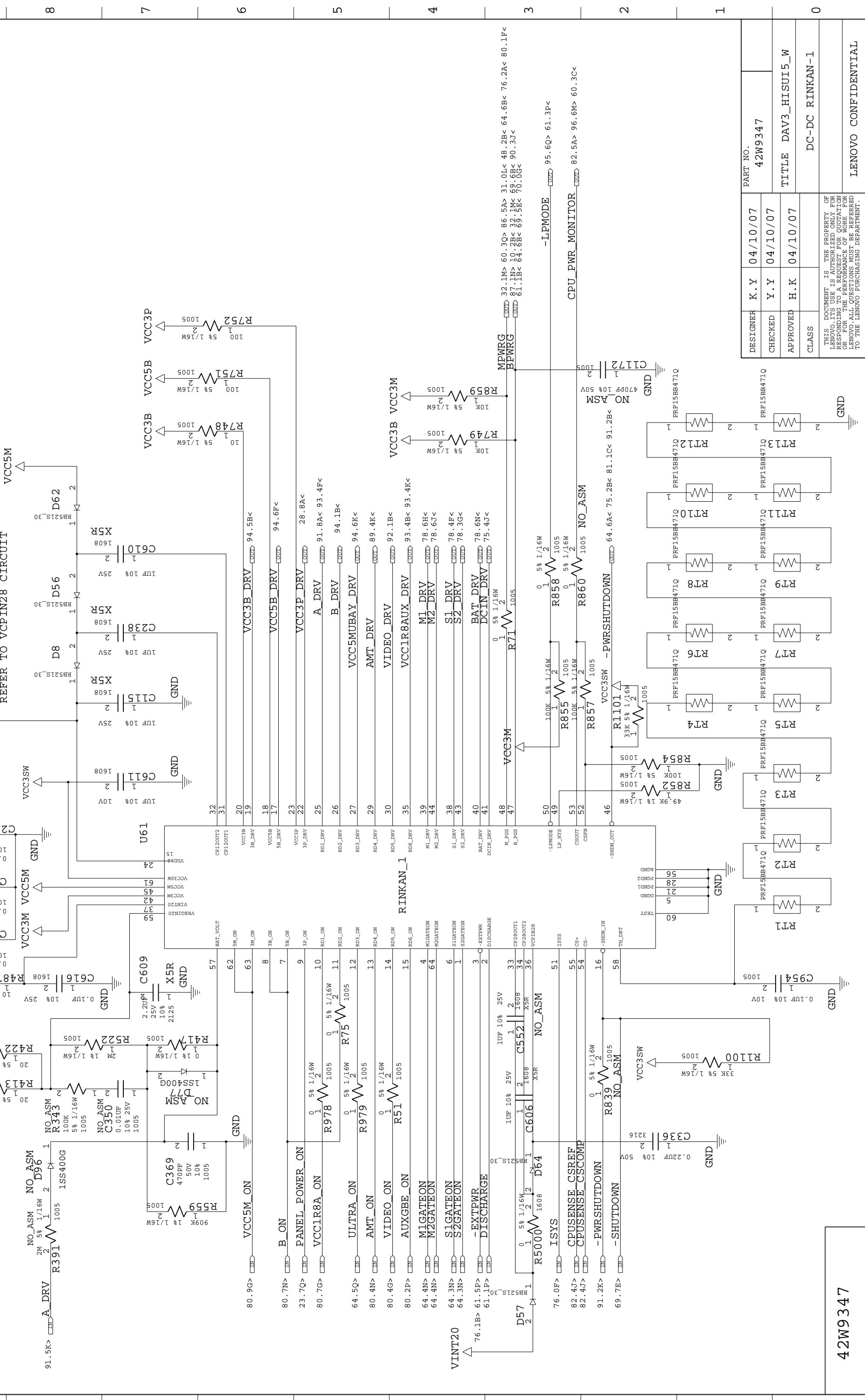
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LOGIC



DESIGNER	K. Y	04/10/07	PART NO.	42W9347
CHECKED	Y. Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H. K	04/10/07	CLASS	CLPWGRG
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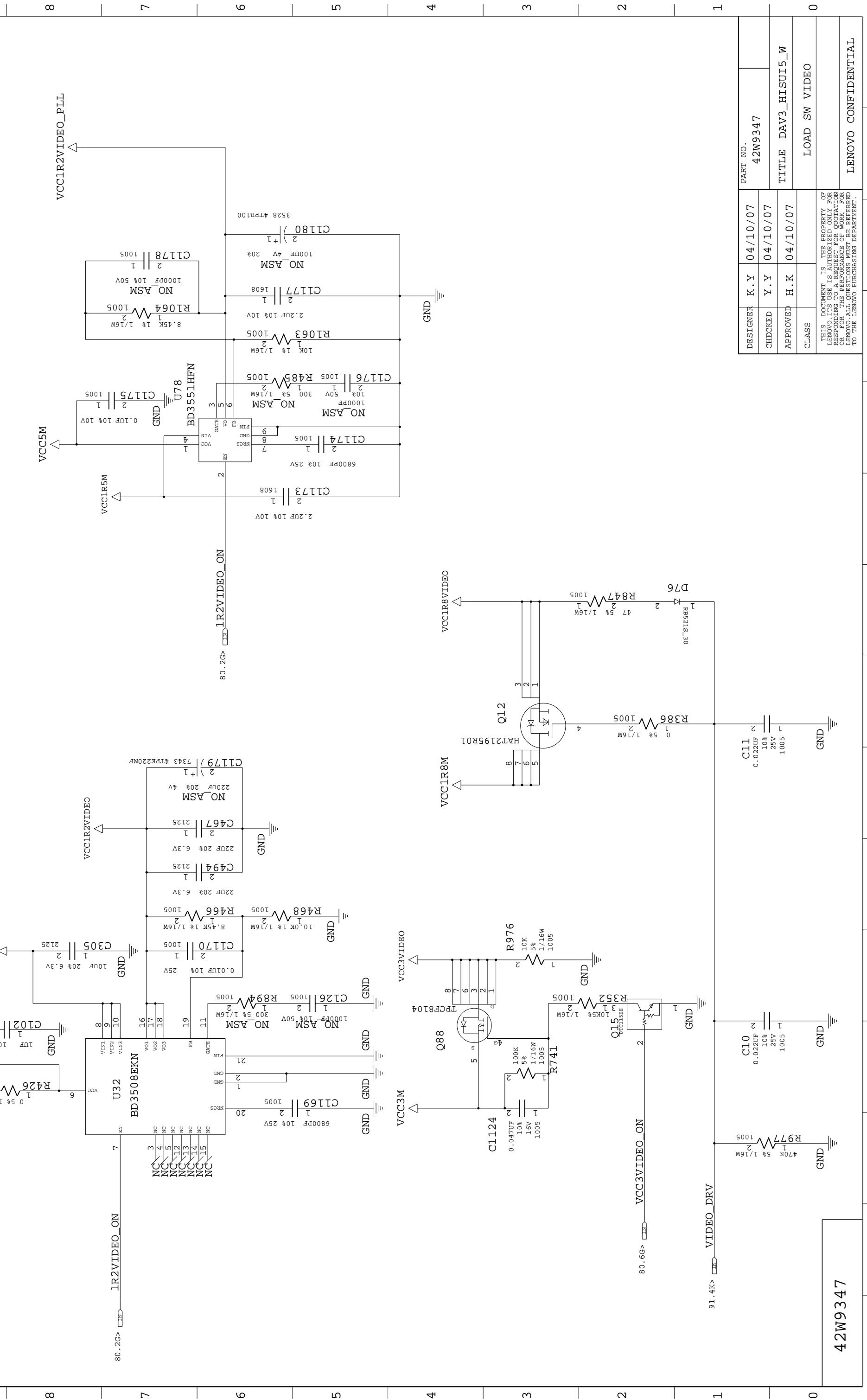
42W9347

REL	DATE	EC NO.	PART NO.
04/10/07	L09906	42W9347	
			DEVELOPMENT NO. Q/M
			91 / 98



DESIGNER	K. Y	04/10/07	PART NO.	42W9347
CHECKED	Y. Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H. K	04/10/07	CLASS	DC-DC RINKAN-1
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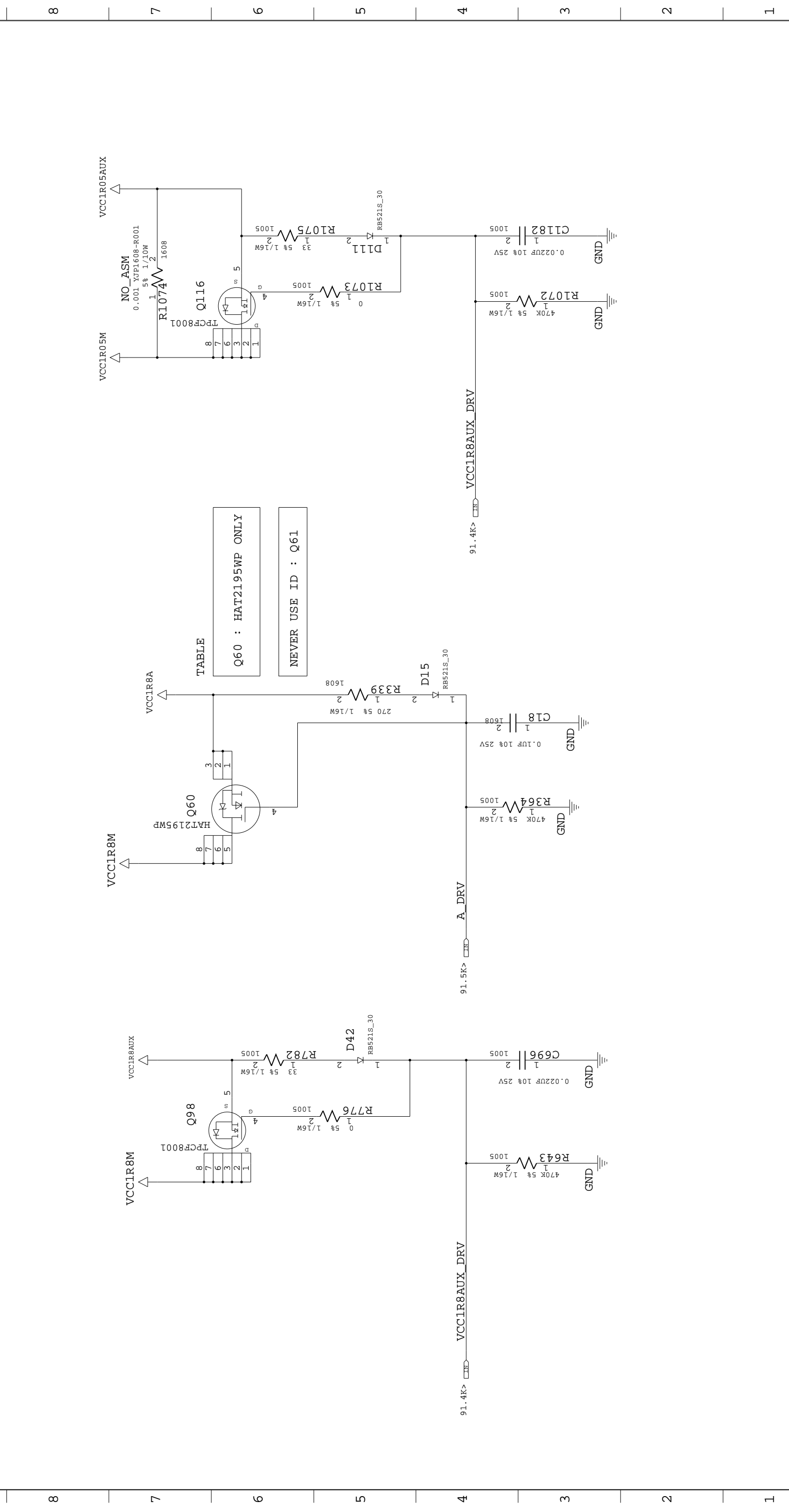
42W9347



DESIGNER	K.Y	04/10/07	42W9347
CHECKED	Y.Y	04/10/07	TITLE DAV3_HISUI5_W
APPROVED	H.K	04/10/07	LOAD SW VIDEO
CLASS			

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REL	DATE	EC NO.	PART NO.
04/10/07	L09906	42W9347	
			DEVELOPMENT NO.
			93 / 98

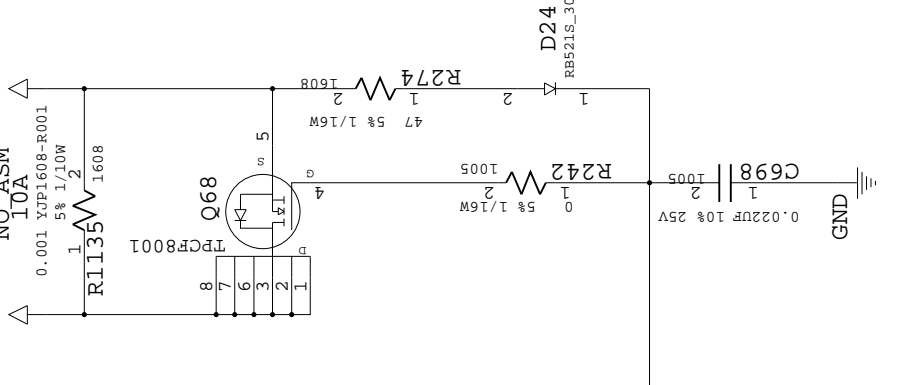
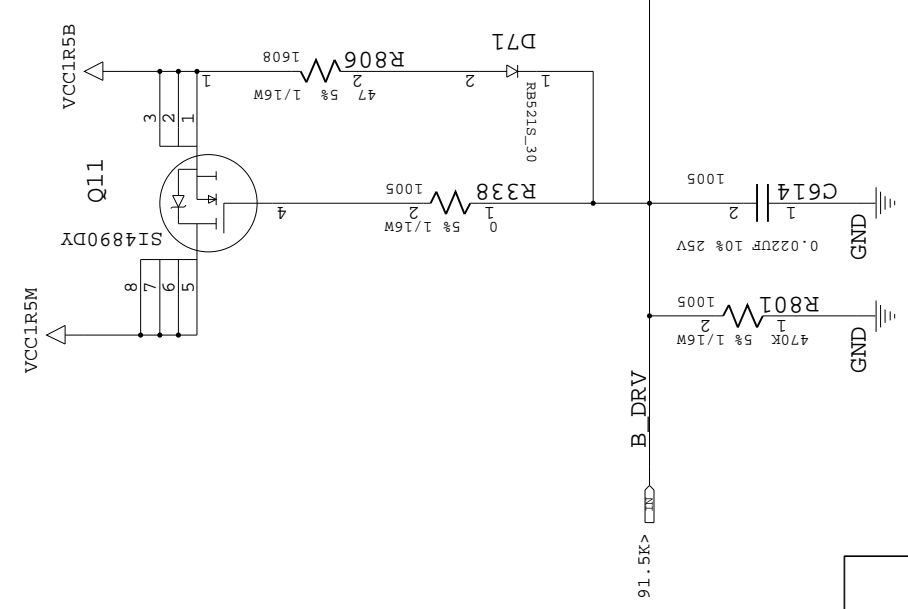
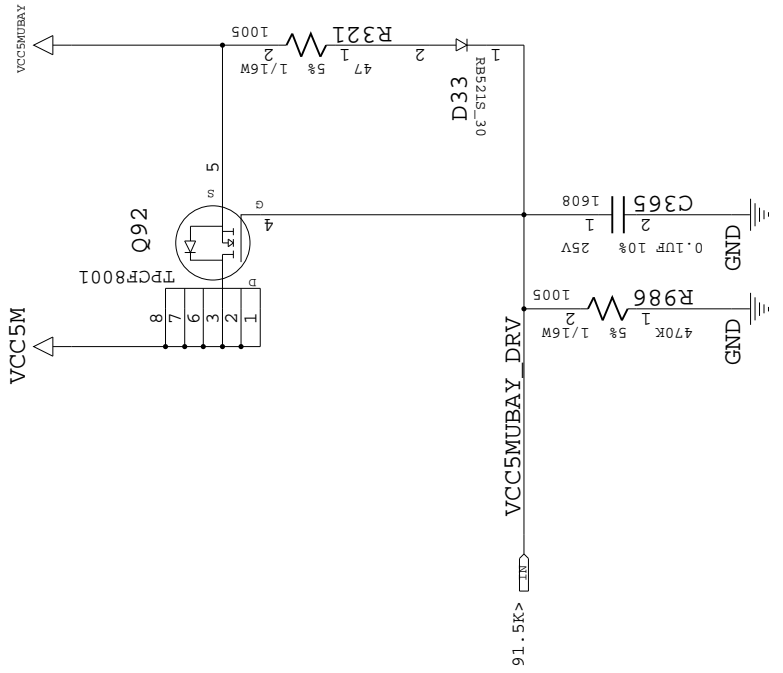
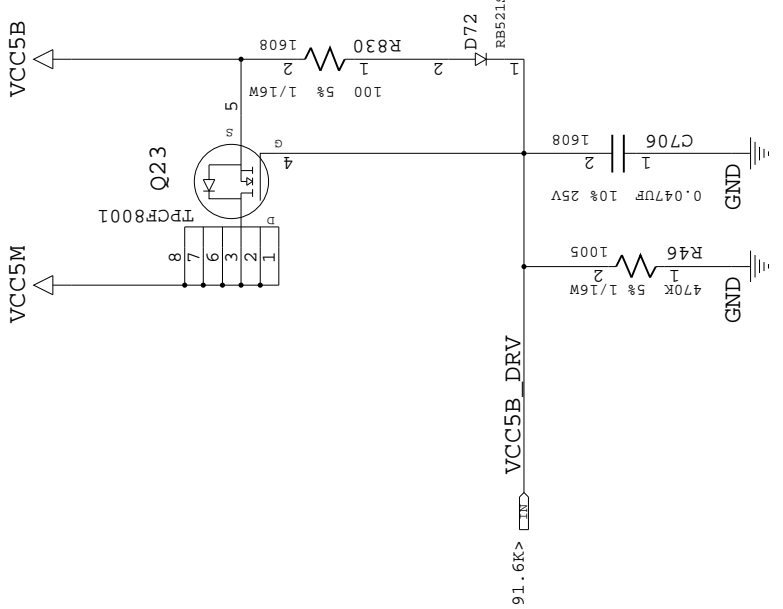
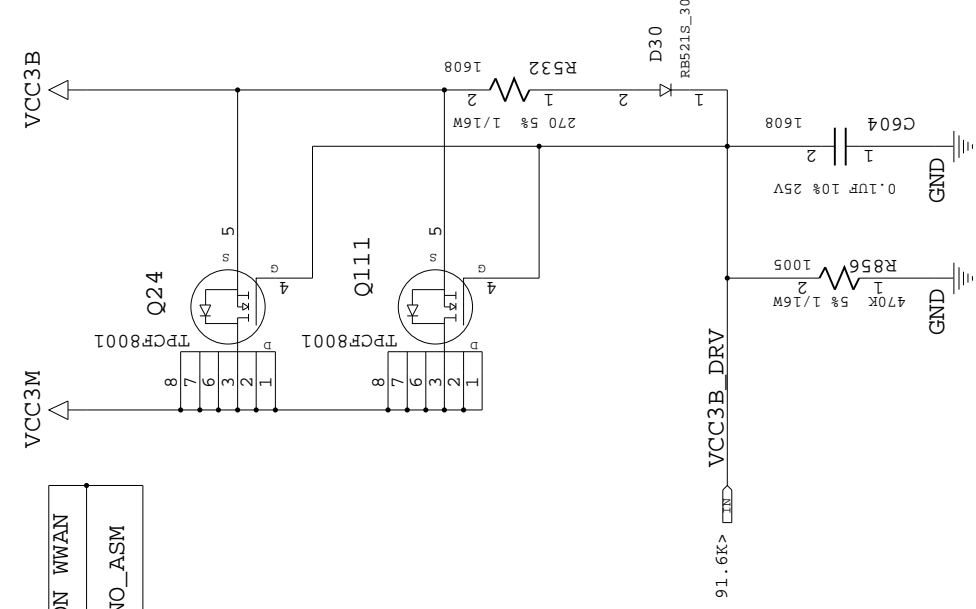


DESIGNER	K.Y	04/10/07	PART NO.	42W9347
CHECKED	Y.Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H.K	04/10/07	CLASS	LOAD SW A&AUX
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42W9347

TABLE	WWAN	NON WWAN
Q111	ASM	NO_ASM

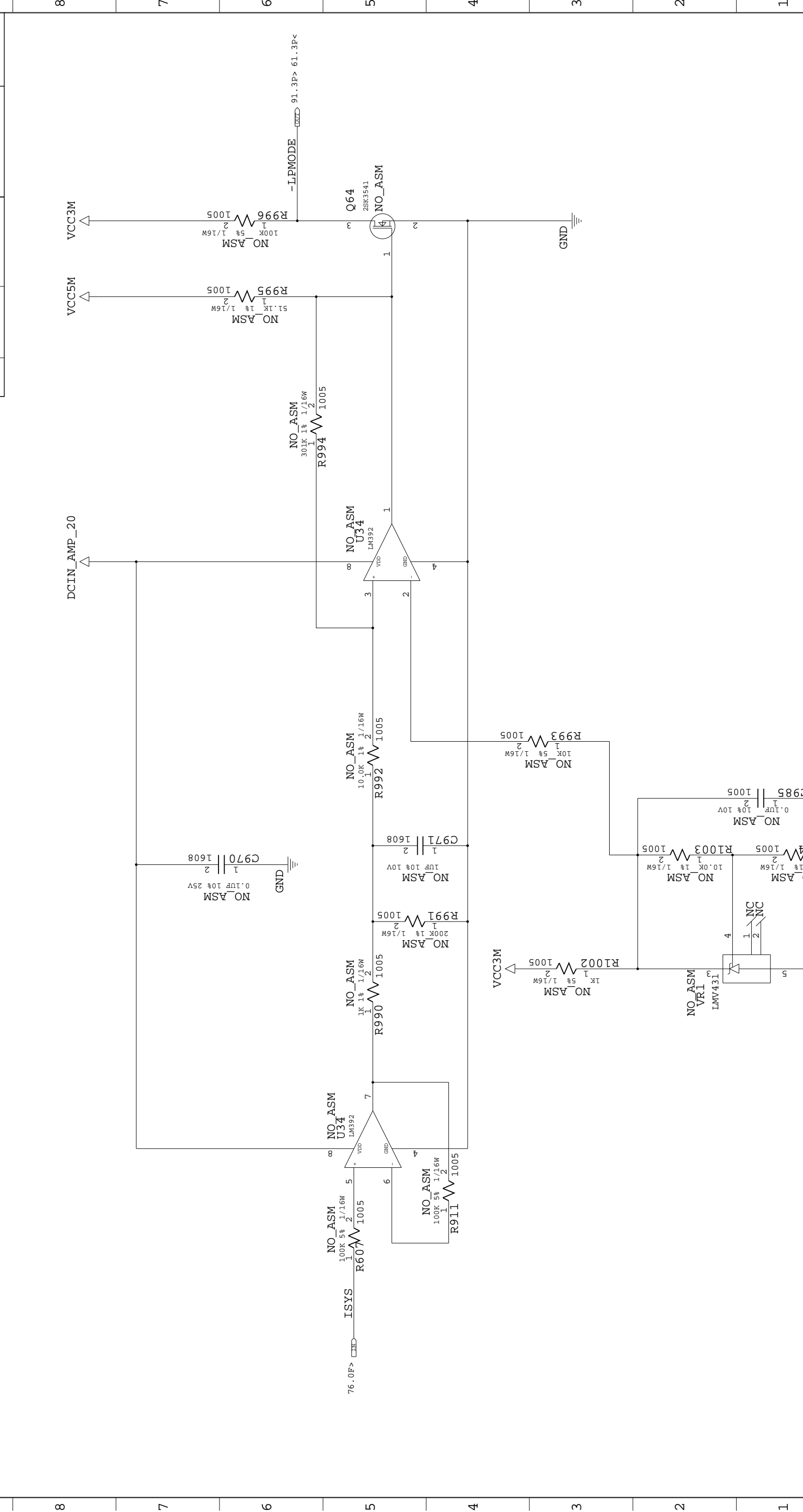
← LOGIC



AMT	SUPPORT	NON
R1135	NO_ASM	ASM
Q68	ASM	NO_ASM
R242	ASM	NO_ASM
R274	ASM	NO_ASM
D24	ASM	NO_ASM
C698	0.022UF	0.047UF

← LOGIC

REL	DATE	EC NO.	PART NO.
	04/10/07	L09906	42W9347
			DEVELOPMENT NO.
			Q/M
			95 / 98

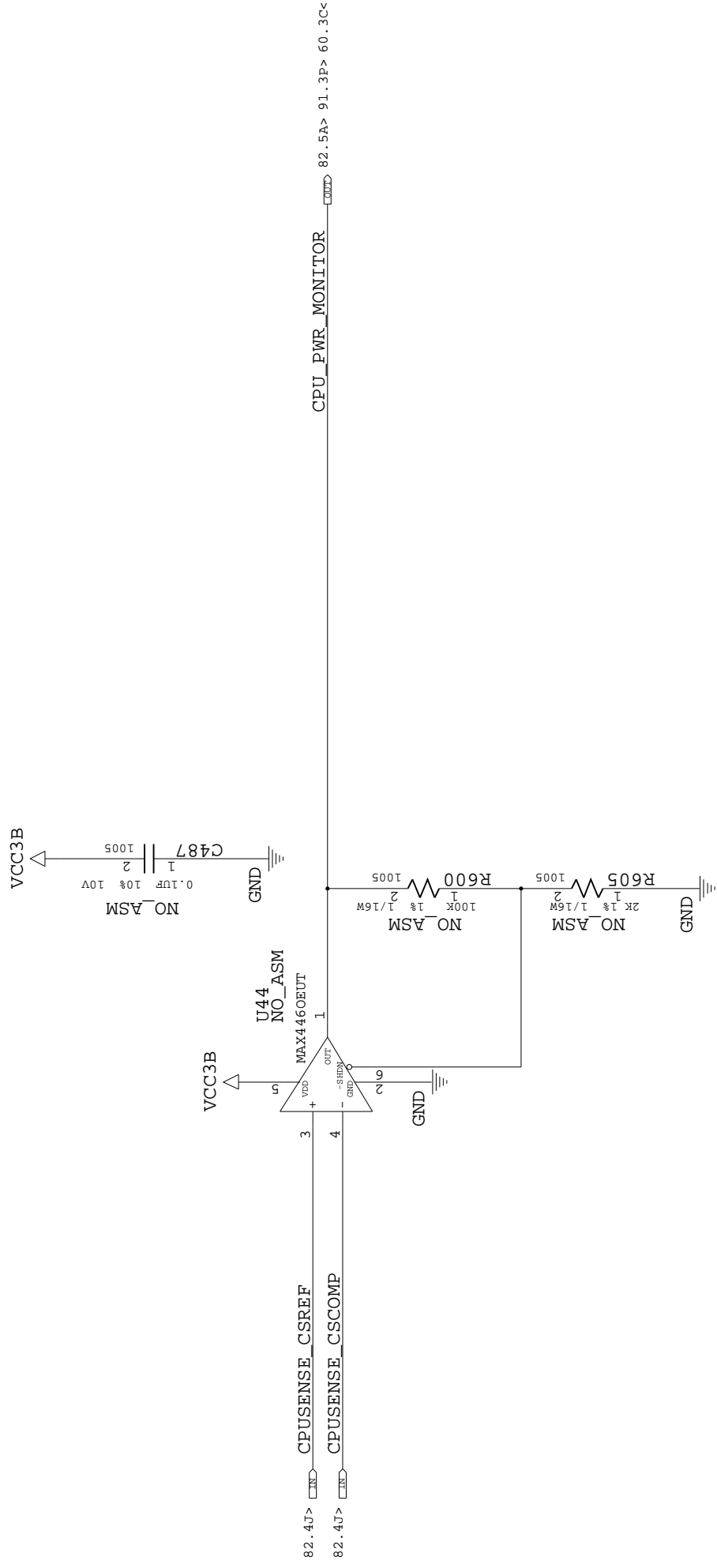


DESIGNER	K.Y	04/10/07	PART NO.	42W9347
CHECKED	Y.Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H.K	04/10/07	CLASS	MAX POWER CTRL
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42W9347

A B C D E F G H J K L M N P Q

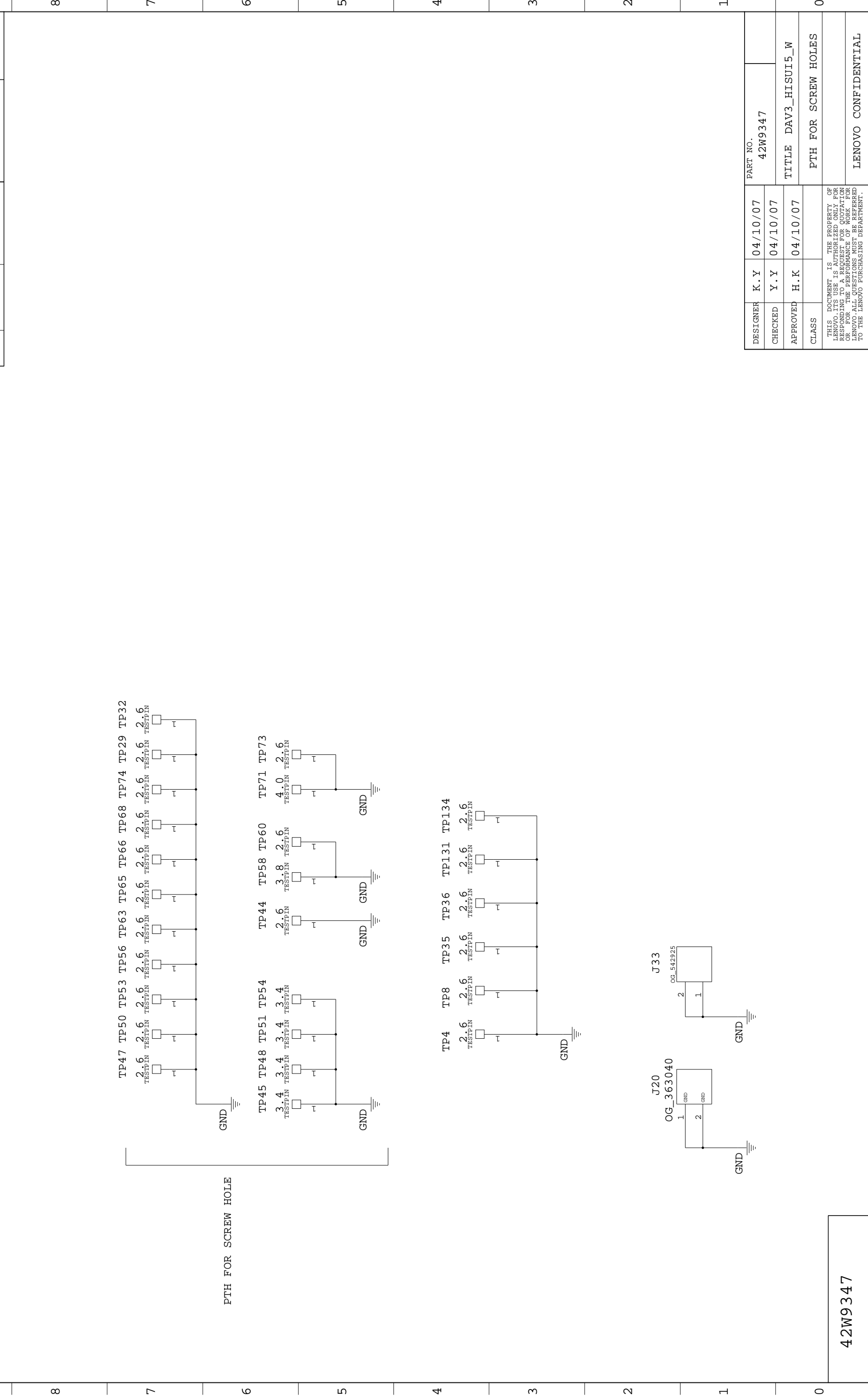
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	04/10/07	L09906	42W9347
			DEVELOPMENT NO.
			96 / 98



DESIGNER	K.Y	04/10/07	PART NO.	42W9347
CHECKED	Y.Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H.K	04/10/07	CLASS	POWER MONITOR
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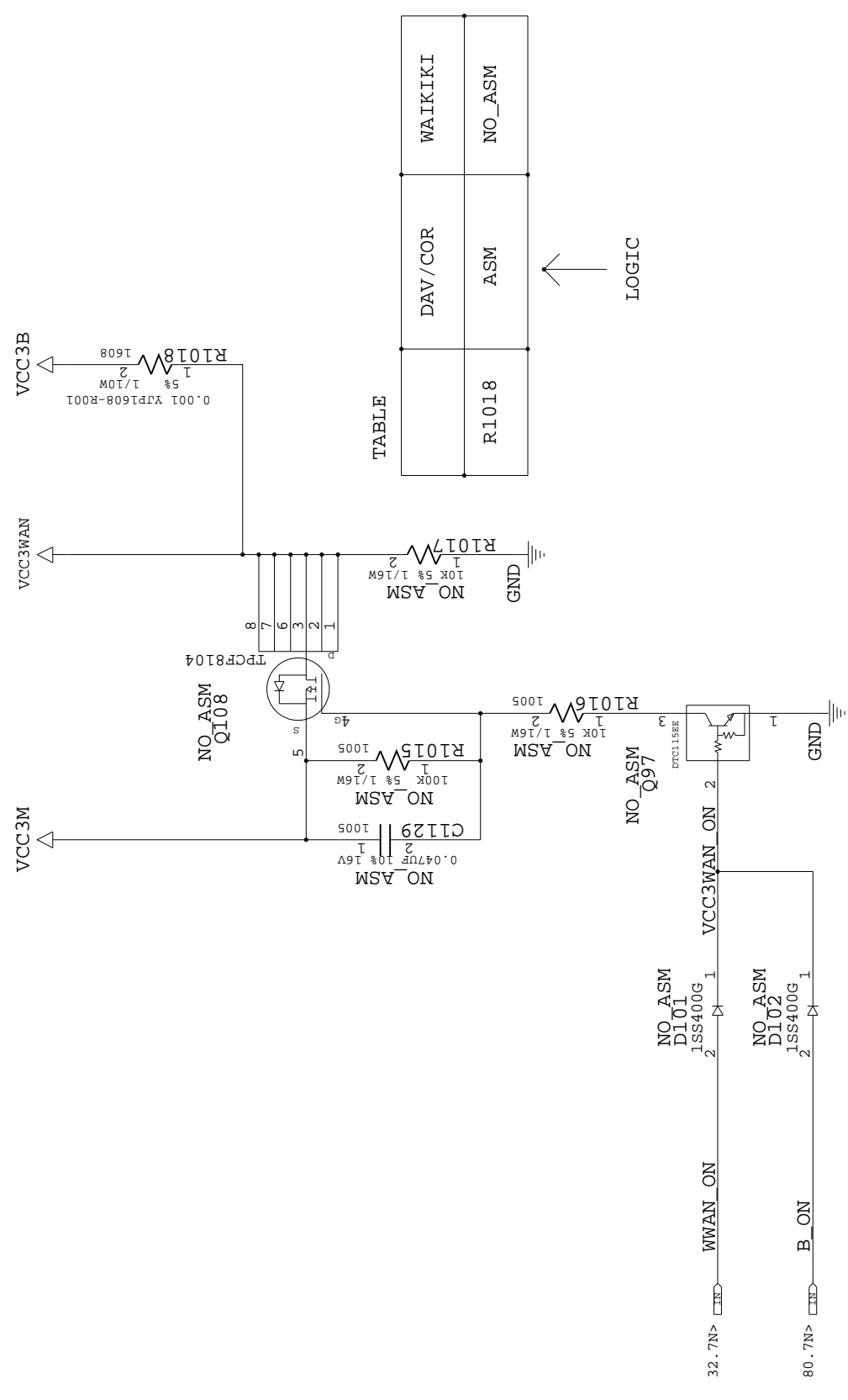
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04/10/07	L09906	42W9347	
			DEVELOPMENT NO. Q/M
			97 / 98



DESIGNER	K.Y	04/10/07	PART NO.	42W9347
CHECKED	Y.Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H.K	04/10/07	CLASS	PTH FOR SCREW HOLES
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REL	DATE	EC NO.	PART NO.
	04/10/07	L09906	42W9347
			DEVELOPMENT NO.
			98 / 98



TABLE

R1018	NO_ASM	NO_ASM
DAV/COR	NO_ASM	NO_ASM
WAIKIKI	NO_ASM	NO_ASM

DESIGNER	K.Y	04/10/07	PART NO.	42W9347
CHECKED	Y.Y	04/10/07	TITLE	DAV3_HISUI5_W
APPROVED	H.K	04/10/07	CLASS	LOAD SW VCC3KDDI
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