



MALIBU-3 EXT SDV

- 1.TITLE PAGE
- 2.EC HISTORY
- 3.CPU(1/3)
- 4.CPU(2/3)
- 5.CPU(3/3)
- 6.ITP CONNECTOR
- 7.CANTIGA(1/8):HOST I/F
- 8.CANTIGA(2/8):DMI/CLK/CONTROL
- 9.CANTIGA(3/8):PEG/GRAPHICS
- 10.CANTIGA(4/8):DDR3 CHANNEL-A
- 11.CANTIGA(5/8):DDR3 CHANNEL-B
- 12.CANTIGA(6/8):POWER
- 13.CANTIGA(7/8):POWER/FILTER
- 14.CANTIGA(8/8):GND
- 15.DDR3 SO DIMM CHANNEL-A
- 16.DDR3 SO DIMM CHANNEL-B
- 17.DDR3 DECOUPLING
- 18.CLOCK GEN
- 19.M82XT-S(1/6):PEG I/F
- 20.M82XT-S(2/6):DIGITAL OUT I/F
- 21.M82XT-S(3/6):VRAM I/F
- 22.M82XT-S(4/6):GPIO
- 23.M82XT-S(5/6):POWER
- 24.M82XT-S(6/6):GND
- 25.BLANK
- 26.VRAM CHANNEL-A
- 27.BACK BIAS POWER
- 28.LVDS SWITCH
- 29.LCD CONNECTOR
- 30.RGB SWITCH
- 31.EXT CRT INTERFACE
- 32.BLANK
- 33.ICH9-M(1/6):SATA/HDA/GLAN/LPC
- 34.ICH9-M(2/6):DMI/PCIE/USB/SPI
- 35.ICH9-M(3/6):PCI/INTERRUPT
- 36.ICH9-M(4/6):GPIO/CLK/PM
- 37.ICH9-M(5/6):POWER
- 38.ICH9-M(6/6):GND
- 39.RTC BATTERY
- 40.SATA HDD CONN
- 41.SATA BAY I/F CONN
- 42.USB POWER/CONN
- 43.AUDIO CX20561
- 44.AUDIO MISC
- 45.AUDIO INT MIC
- 46.AUDIO HP&EXT MIC CONN
- 47.AUDIO EXT MIC AMP
- 48.AUDIO SPEAKER
- 49.AUDIO HDP AMP
- 50.AUDIO BEEP
- 51.CDC CONNECTOR

- 52.GBE BOAZMAN
- 53.GBE LAN SWITCH
- 54.GBE MAGNETICS
- 55.RJ11/RJ45 CONNECTOR
- 56.PCIE MINI CARD SLOT
- 57.PCIE HALF MINI CARD SLOT
- 58.CARD BUS CONTROLLER(1/2)
- 59.CARD BUS CONTROLLER(2/2)
- 60.CARD BUS SLOT
- 61.CARD BUS POWER CONTROL
- 62.BLANK
- 63.SPI FLASH
- 64.DOCKING CONNECTOR
- 65.H8S/2116B(1/2)
- 66.H8S/2116B(2/2)
- 67.KEYBOARD CONNECTOR
- 68.TOUCH PAD CONNECTOR
- 69.WIRELESS DISABLE SW
- 70.FAN CONNECTOR
- 71.G-SENSOR
- 72.MISC G/A(PMH7)
- 73.SUPER I/O
- 74.THERMAL SENSOR
- 75.EEPROM/SMBUS SW/TPM
- 76.DC-IN
- 77.BATTERY INPUT
- 78.BATTERY CHARGER
- 79.CHARGE SELECTOR
- 80.BATTERY MONITOR
- 81.POWER SEQUENCE
- 82.DC/DC VCC5M/VCC3M
- 83.DC/DC VCCCPUCORE
- 84.VCCCPUCORE DECOUPLING
- 85.DC/DC VCCGFXCORE
- 86.BLANK
- 87.BLANK
- 88.DC/DC VCC1R5A/VCC1R05AMT
- 89.DC/DC VCC0R75AMT
- 90.DC/DC VCC1R8VIDEO
- 91.CLPWRG
- 92.DC/DC RINKAN
- 93.LOAD SW AMT&LAN
- 94.LOAD SW VIDEO
- 95.LOAD SW AUX
- 96.LOAD SW B
- 97.DC/DC VCC1R8B
- 98.LOAD SW UBAY&WWAN
- 99.CPU POWER MONITOR
- 100.EMC DECOUPLING
- 101.PTH FOR SCREW HOLES

MLB3D-1  
VER.1.42  
SEP/28/'07

VER.1.42

DESIGNER	Y.Y	09/28/07	PART NO.	
CHECKED	Y.I	09/28/07	VER.1.42	
APPROVED	H.K	09/28/07	TITLE	MLB-3 EXT SDV
CLASS	H.K	09/28/07	TITLE	PAGE
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.			LENOVO CONFIDENTIAL	

# EC HISTORY

MALIBU-3 EXT PRE-DV  
BASE LOGIC MALIBU-1 EXT VER.3.11  
CORONADO-5 PRE-DV EXT VER.0.31

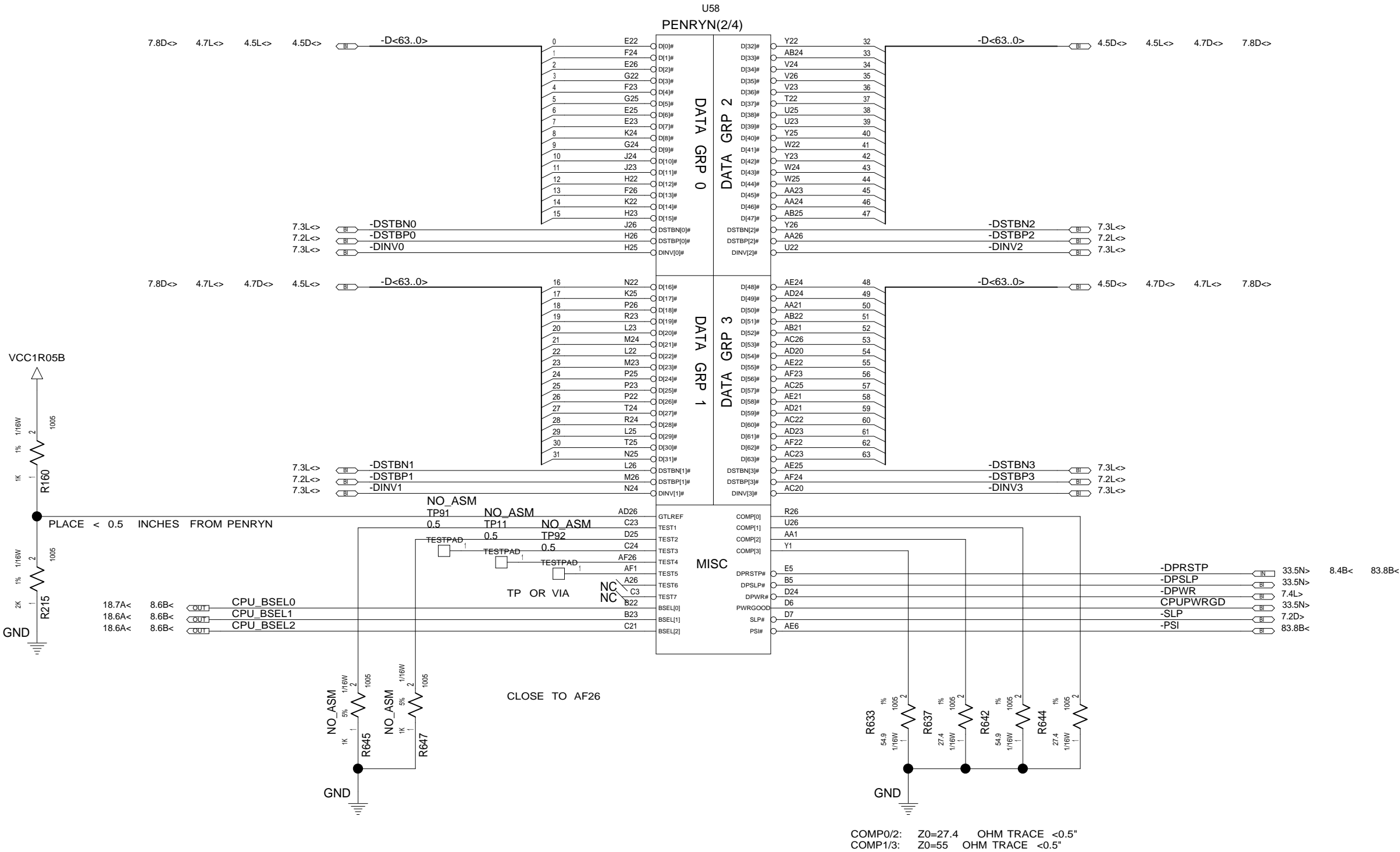
VER.0.00	APPLY	MLB3_PDV_EC001
VER.0.01	APPLY	MLB3_PDV_EC002-014
VER.0.02	APPLY	MLB3_PDV_EC015-022
VER.0.03	APPLY	MLB3_PDV_EC023-026
VER.0.04	APPLY	MLB3_PDV_EC027-030
VER.0.05	APPLY	MLB3_PDV_EC031-036
VER.0.06	APPLY	MLB3_PDV_EC037-046
VER.0.07	APPLY	MLB3_PDV_EC047-054
VER.0.08	APPLY	MLB3_PDV_EC055-063
VER.0.09	APPLY	MLB3_PDV_EC064-065
VER.0.10	APPLY	MLB3_PDV_EC066-069
VER.0.11	APPLY	MLB3_PDV_EC070-078
VER.0.12	APPLY	MLB3_PDV_EC079-086
VER.0.13	APPLY	MLB3_PDV_EC087-091
VER.0.14	APPLY	MLB3_PDV_EC092-096
VER.0.15	APPLY	MLB3_PDV_EC097-103
VER.0.16	APPLY	MLB3_PDV_EC104-111
VER.0.17	APPLY	MLB3_PDV_EC112-122
VER.0.18	APPLY	MLB3_PDV_EC123-133
VER.0.19	APPLY	MLB3_PDV_EC134-143
VER.0.20	APPLY	MLB3_PDV_EC144-161
VER.0.21	APPLY	MLB3_PDV_EC162-174
VER.0.22	APPLY	MLB3_PDV_EC175-180
VER.0.23	APPLY	MLB3_PDV_EC181-182
VER.0.24	APPLY	MLB3_PDV_EC183
VER.0.25	APPLY	MLB3_PDV_EC184-185
VER.0.26	APPLY	MLB3_PDV_EC186-190
VER.0.27	APPLY	MLB3_PDV_EC191-194
VER.0.28	APPLY	MLB3_PDV_EC 197
VER.0.29	APPLY	MLB3_PDV_EC195,198,199
VER.1.00	APPLY	MLB3_PDV_EC200,201
VER.1.01	APPLY	MLB3_PDV_EC202-205
VER.1.02	APPLY	MLB3_PDV_EC206-211
VER.1.03	APPLY	MLB3_PDV_EC212-228
VER.1.04	APPLY	MLB3_PDV_EC229-234
VER.1.05	APPLY	MLB3_PDV_EC235-244
VER.1.06	APPLY	MLB3_PDV_EC245-262
VER.1.07	APPLY	MLB3_PDV_EC263-267
VER.1.08	APPLY	MLB3_PDV_EC268-275

VER.1.09	APPLY	MLB3_PDV_EC276-277
VER.1.10	APPLY	MLB3_PDV_EC278-285
VER.1.11	APPLY	MLB3_PDV_EC286-292
VER.1.12	APPLY	MLB3_PDV_EC293-297
VER.1.13	APPLY	MLB3_PDV_EC298-300
VER.1.14	APPLY	MLB3_PDV_EC301-304
VER.1.15	APPLY	MLB3_PDV_EC305,306
VER.1.16	APPLY	MLB3_PDV_EC308-313
VER.1.17	APPLY	MLB3_PDV_EC314-317
VER.1.18	APPLY	MLB3_PDV_EC318-320
VER.1.19	APPLY	MLB3_PDV_EC321-325
VER.1.20	APPLY	MLB3_PDV_EC326,327
VER.1.21	APPLY	MLB3_PDV_EC328,329
VER.1.22	APPLY	MLB3_PDV_EC330
VER.1.23	APPLY	MLB3_PDV_EC331-333
VER.1.24	APPLY	MLB3_PDV_EC334
VER.1.25	APPLY	MLB3_PDV_EC335-340
VER.1.26	APPLY	MLB3_PDV_EC341-343
VER.1.27	APPLY	MLB3_PDV_EC345,346
VER.1.28	APPLY	MLB3_PDV_EC347
VER.1.29	APPLY	MLB3_PDV_EC348-350
VER.1.30	APPLY	MLB3_PDV_EC351-354
VER.1.31	APPLY	MLB3_PDV_EC355,356
VER.1.32	APPLY	MLB3_PDV_EC357,358
VER.1.33	APPLY	MLB3_PDV_EC359,360
VER.1.34	APPLY	MLB3_PDV_EC361-366
VER.1.35	APPLY	MLB3_PDV_EC367
VER.1.36	APPLY	MLB3_PDV_EC368
VER.1.37	APPLY	MLB3_PDV_EC369,370
VER.1.38	APPLY	MLB3_PDV_EC371
VER.1.39	APPLY	MLB3_PDV_EC372
VER.1.40	APPLY	MLB3_PDV_EC374
VER.1.41	APPLY	MLB3_PDV_EC375
VER.1.42	APPLY	MLB3_PDV_EC376

DESIGNER	Y.Y	09/28/07	PART NO.	VER.1.42
CHECKED	Y.I	09/28/07	TITLE MLB-3 EXT SDV	
APPROVED	H.K	09/28/07	EC HISTORY	
CLASS	H.K	09/28/07	LENovo CONFIDENTIAL	
THIS DOCUMENT IS THE PROPERTY OF LENovo.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENovo.ALL QUESTIONS MUST BE REFERRED TO THE LENovo PURCHASING DEPARTMENT.				

M		N		P		Q	
	DATE	EC NO.		PART NO.  VER.1.42			
REL							
				DEVELOPMENT NO. Q/M  3 / 101			

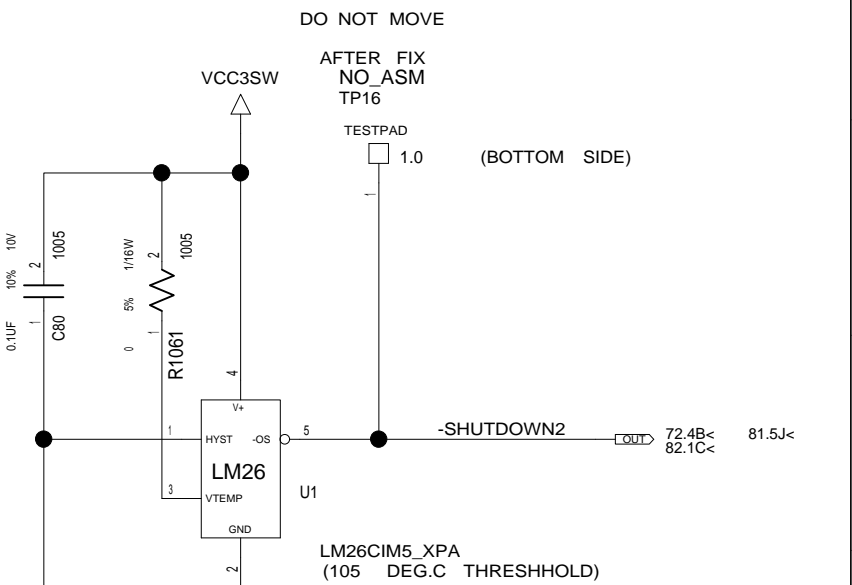
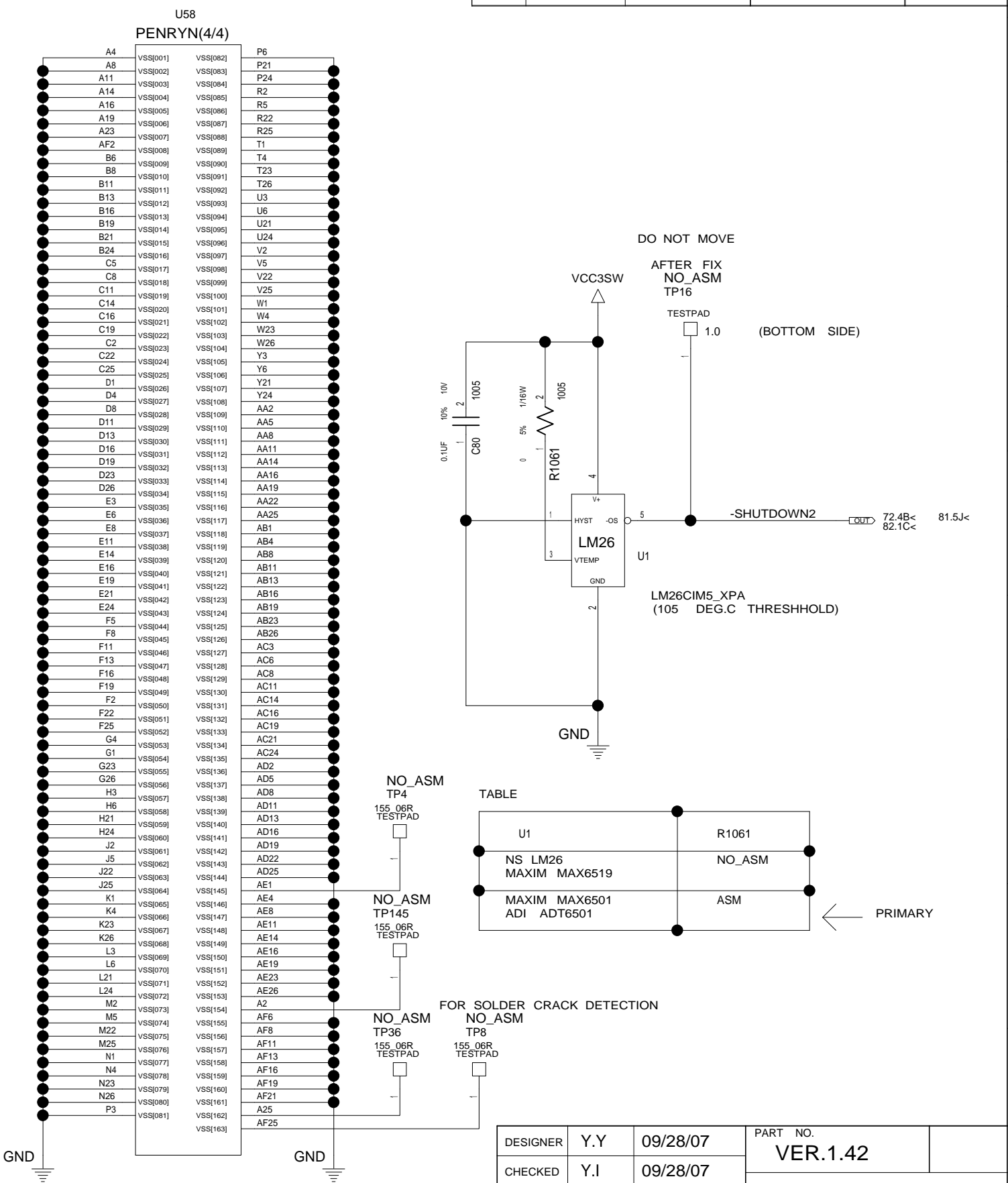
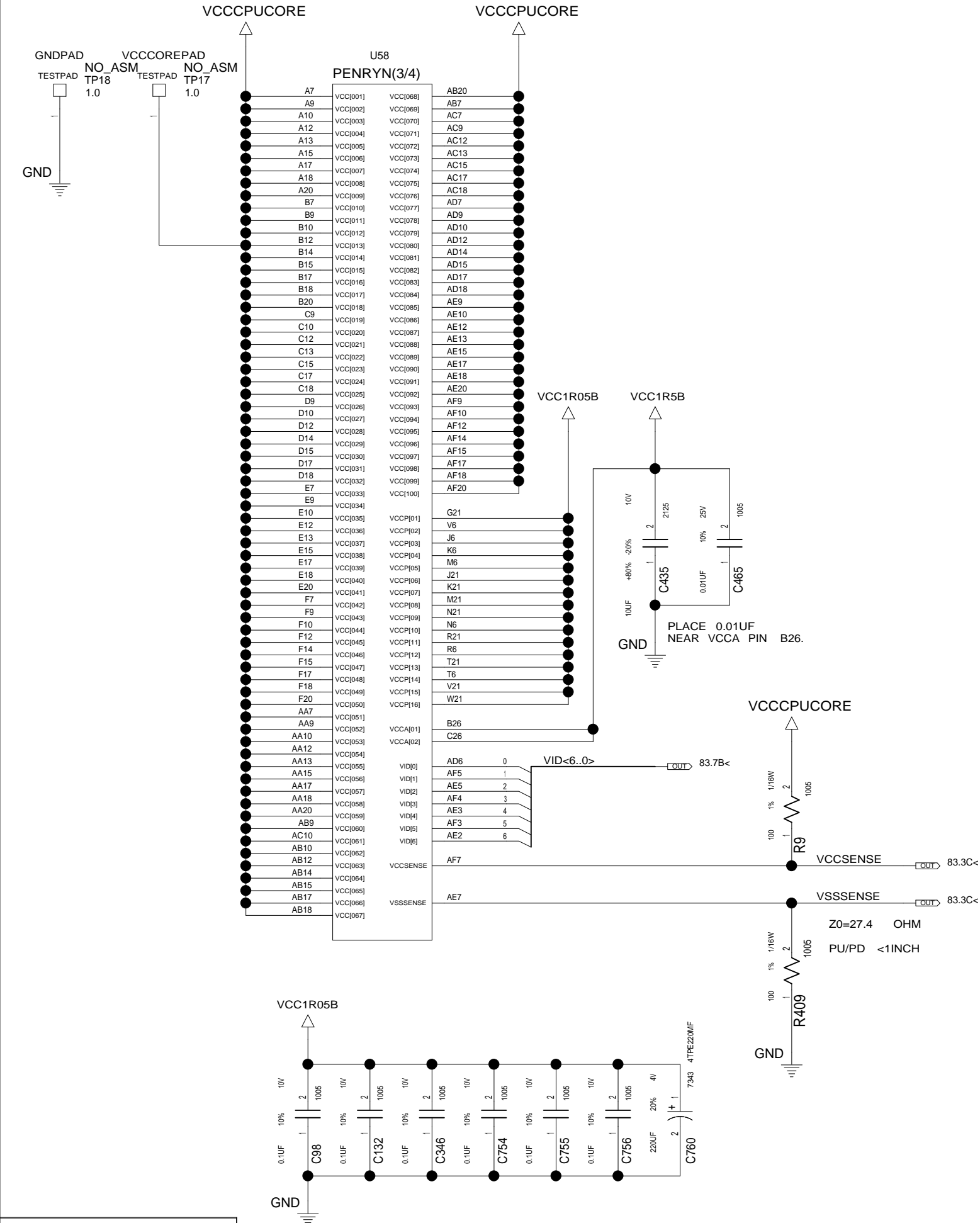
DATE		EC NO.		PART NO.	
REL				VER.1.42	
				DEVELOPMENT NO.	
				Q/M	
				4 / 101	



DESIGNER	Y.Y	09/28/07	PART NO.	
CHECKED	Y.I	09/28/07	VER.1.42	
APPROVED	H.K	09/28/07	TITLE MLB-3 EXT SDV	
CLASS	H.K	09/28/07	CPU(2/3)	
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.			LENOVO CONFIDENTIAL	

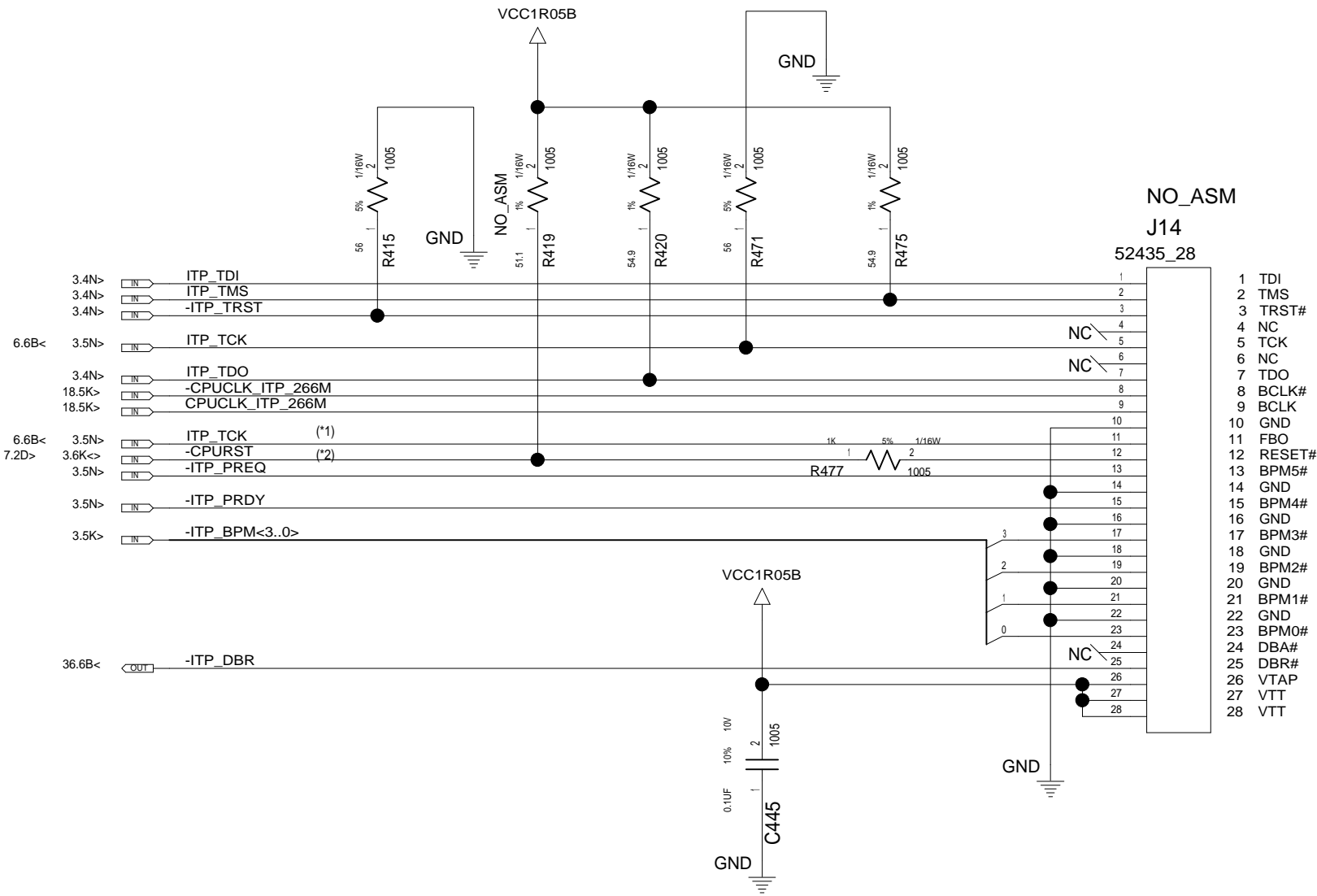


DATE		EC NO.	PART NO.	
REL			VER.1.42	
			DEVELOPMENT NO.	Q/M
				5 / 101



DESIGNER	Y.Y	09/28/07	PART NO.	
CHECKED	Y.I	09/28/07	VER.1.42	
APPROVED	H.K	09/28/07	TITLE	MLB-3 EXT SDV
CLASS	H.K	09/28/07	CPU(3/3)	
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.			LENOVO CONFIDENTIAL	

DATE		EC NO.	PART NO.	
REL			VER.1.42	
			DEVELOPMENT NO.	
			Q/M	
			6 / 101	



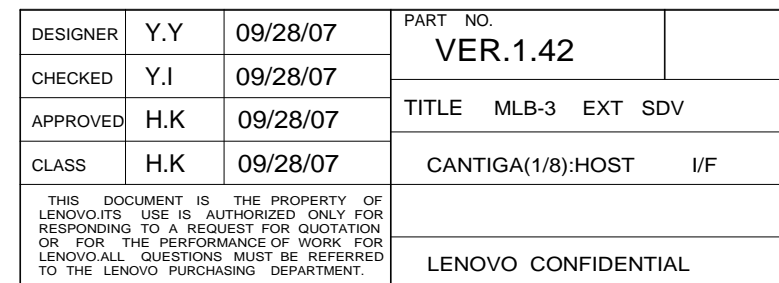
TABLE

REF	DES	FOR ITP700FLEX	FOR ITP-XDP
J14	NO_ASM ---> ASM		NO_ASM ---> ASM
C445	ASM(NO CHANGE)		ASM(NO CHANGE)
R717	ASM ---> 150 5% ASM		ASM(NO CHANGE)
R477	ASM ---> 22.6 1% ASM		ASM(NO CHANGE)
R415	ASM(NO CHANGE)		ASM(NO CHANGE)
R419	NO_ASM ---> ASM		NO_ASM(NO CHANGE)
R420	ASM(NO CHANGE)		ASM(NO CHANGE)
R471	ASM ---> 27.4 1% ASM		ASM(NO CHANGE)
R475	ASM ---> 39.2 1% ASM		ASM(NO CHANGE)

NOTES : C445 AND R477 "ASM" BEFORE SIT. "NO\_ASM" FROM SIT.

- (\*1) TCK SIGNAL IS BRANCHED AT PENRYN PIN
- (\*2) -CPURST SIGNAL IS BRANCHED AT CANTIGA PIN

DESIGNER	Y.Y	09/28/07	PART NO.	
CHECKED	Y.I	09/28/07	VER.1.42	
APPROVED	H.K	09/28/07	TITLE MLB-3 EXT SDV	
CLASS	H.K	09/28/07	ITP CONNECTOR	
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.			LENOVO CONFIDENTIAL	



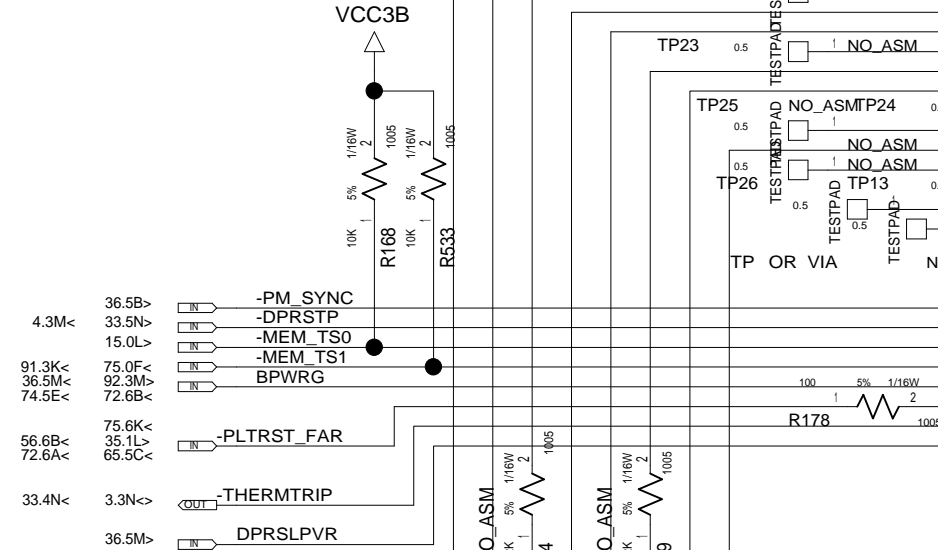
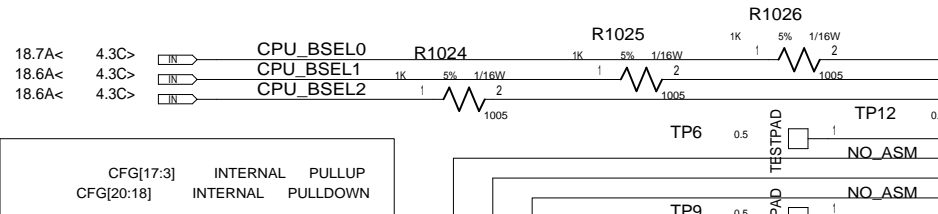
ME DEBUG PORT PIN OUT TABLE

RSVD10	ME_JTAG_TCK
RSVD11	ME_JTAG_TDI
RSVD12	ME_JTAG_TDO
RSVD13	ME_JTAG_TMS

NEED TP OR VIA FOR THESE PINS

HOST BUS CLK SELECT TABLE

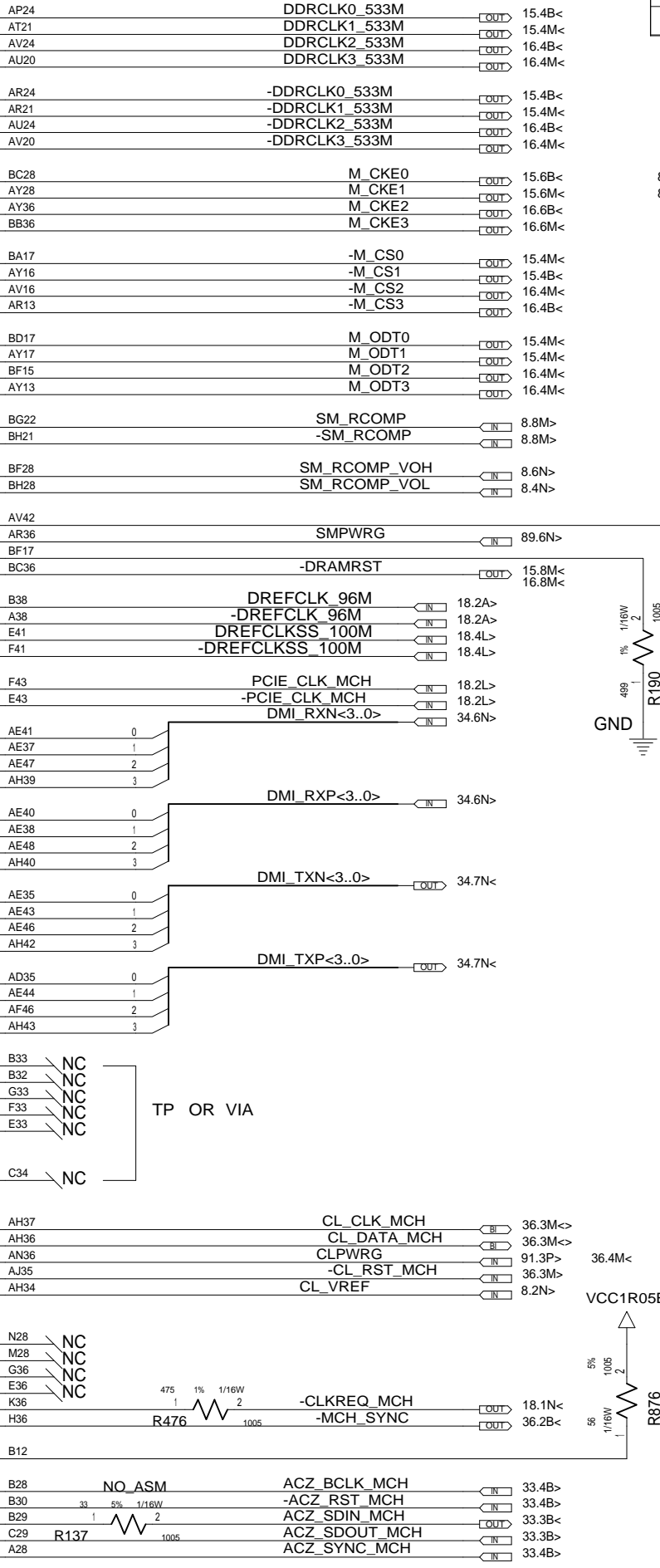
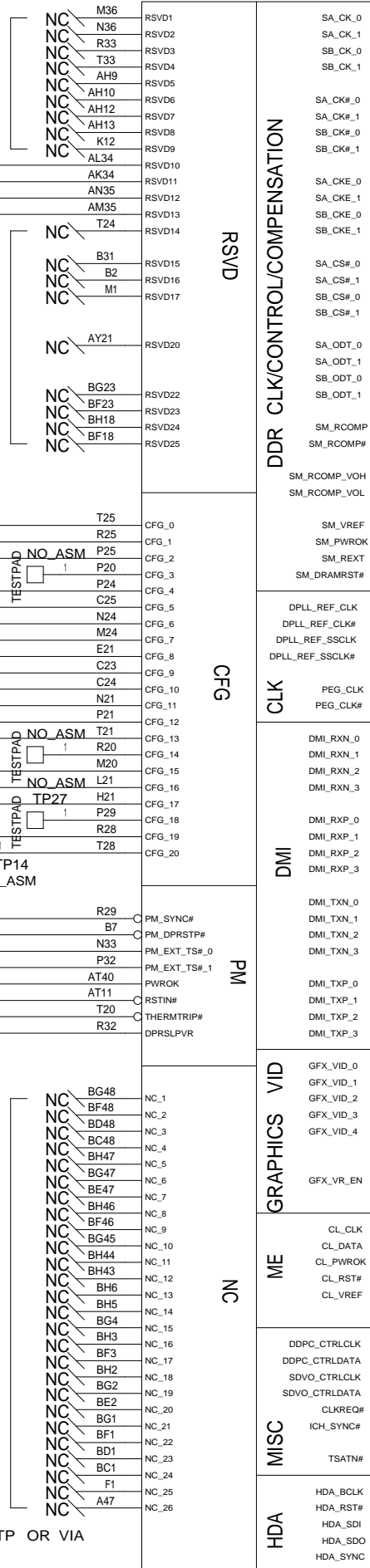
	BSEL2	BSEL1	BSEL0
667M	0	1	1
800M	0	1	0
1066M	0	0	0



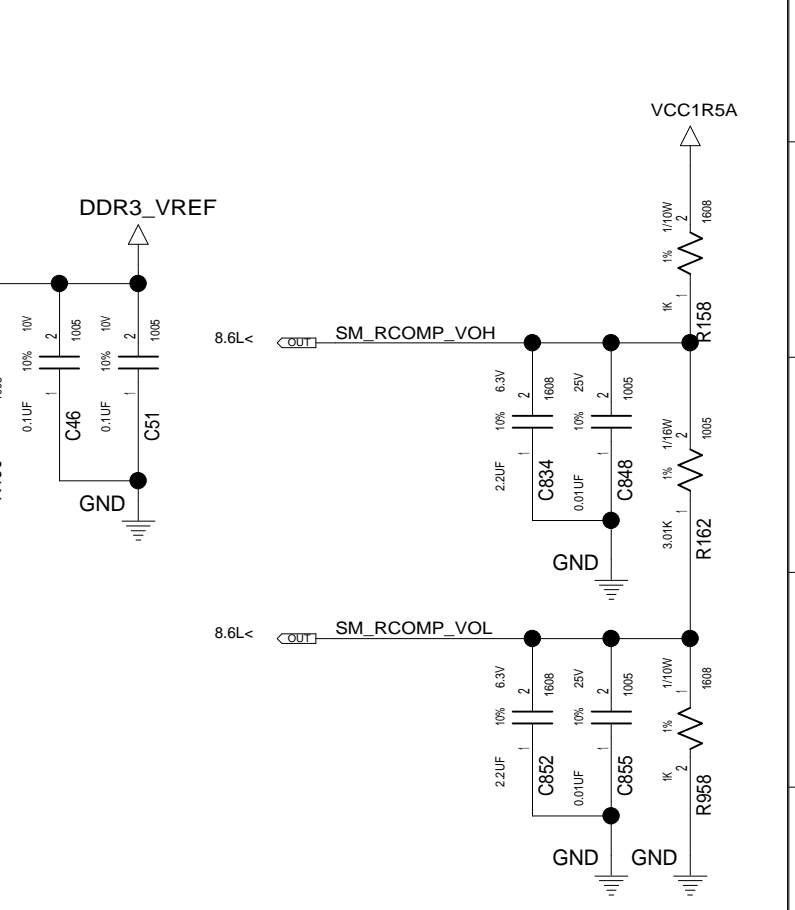
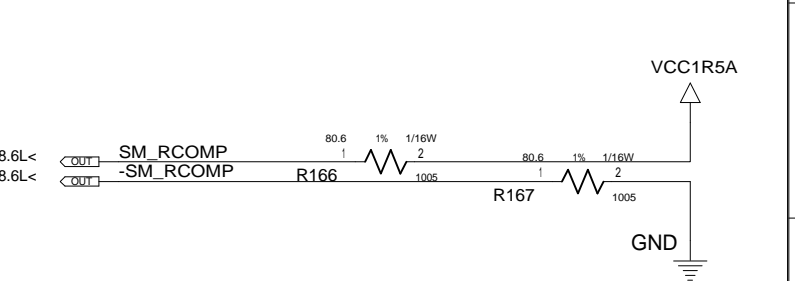
CFG5	DMI	R183
	X2 :	ASM
	X4 :	NO_ASM
CFG6	ITPM HOST I/F	
	ENABLE :	ASM
	DISABLE :	NO_ASM
CFG7	ME CRYPTO STRAP	
	NO CONFIDENTIALITY :	ASM
	WITH CONFIDENTIALITY :	NO_ASM
CFG9	PEG PORT	R383
	LANE REVERSAL :	ASM
	NORMAL :	NO_ASM

VER.1.42

CANTIGA(2/10)



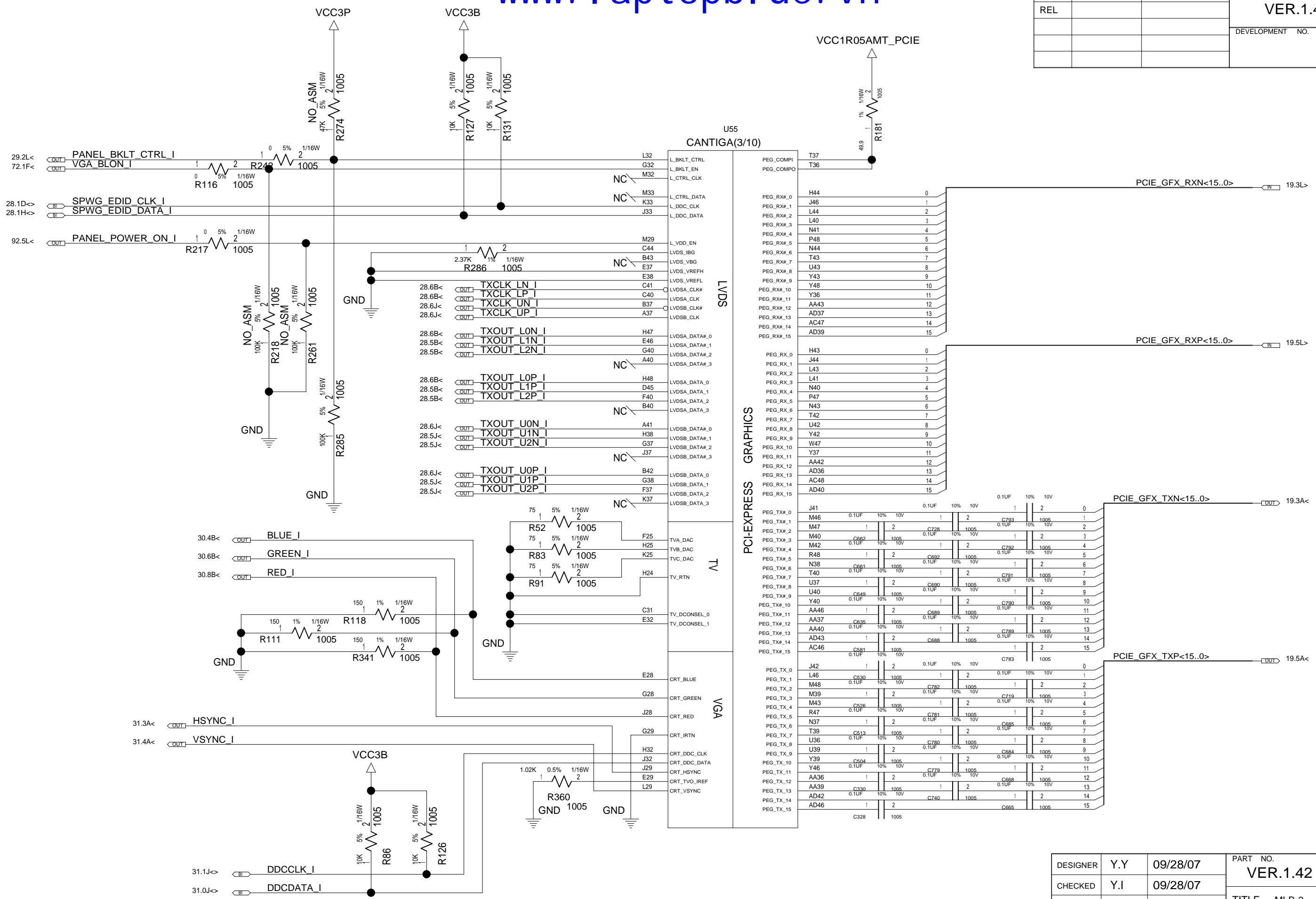
REL	DATE	EC NO.	PART NO.	VER.1.42
			DEVELOPMENT NO.	Q/M
				8 / 101



DESIGNER	Y.Y	09/28/07	PART NO.	VER.1.42
CHECKED	Y.I	09/28/07		
APPROVED	H.K	09/28/07	TITLE	MLB-3 EXT SDV
CLASS	H.K	09/28/07		CANTIGA(2/8): DMI/CLK/CONTROL
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.				LENOVO CONFIDENTIAL

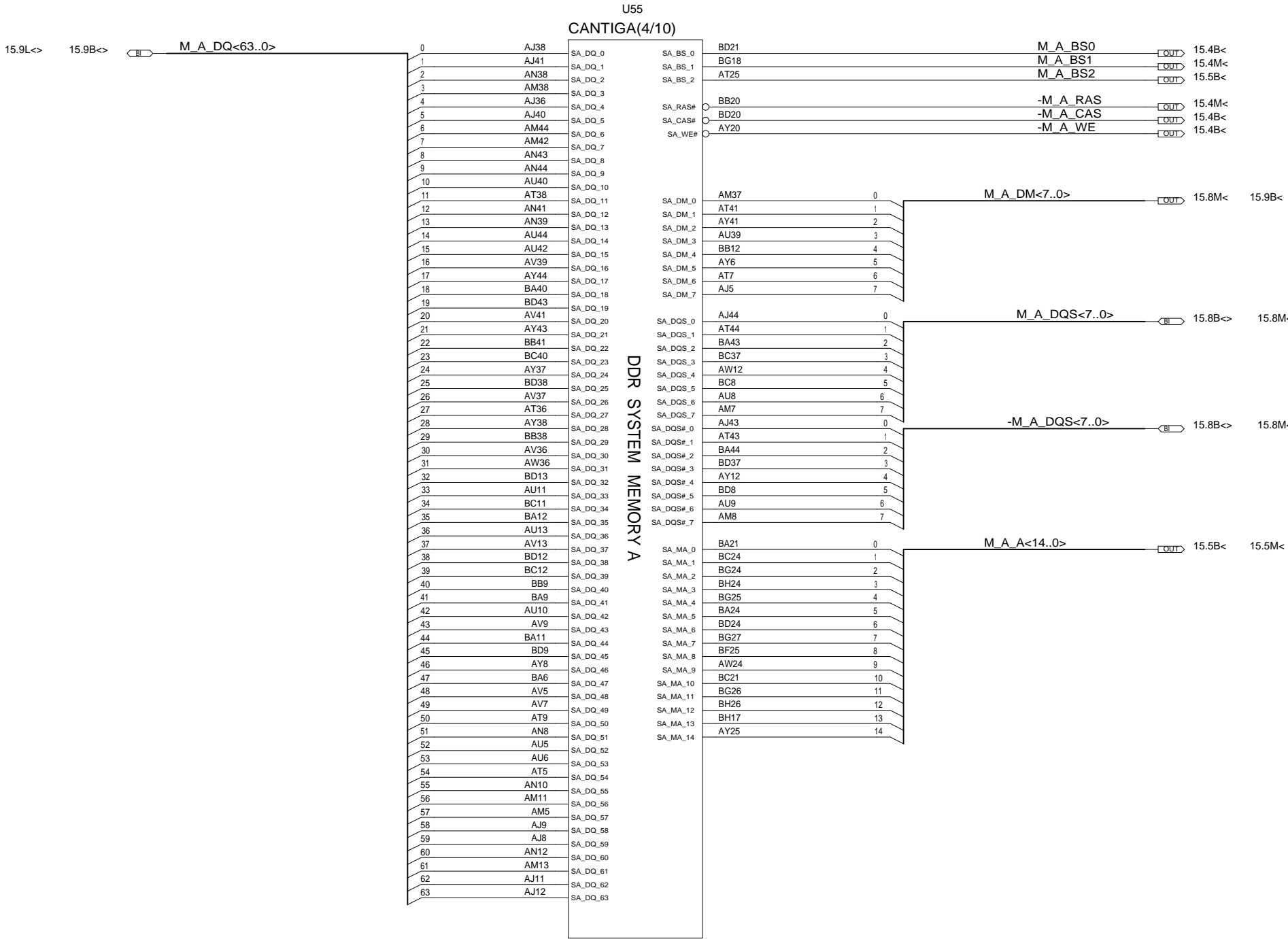


M		N		P		Q	
REL		EC NO.		PART NO.		VER.1.42	
				DEVELOPMENT NO.		Q/M	
						9 / 101	



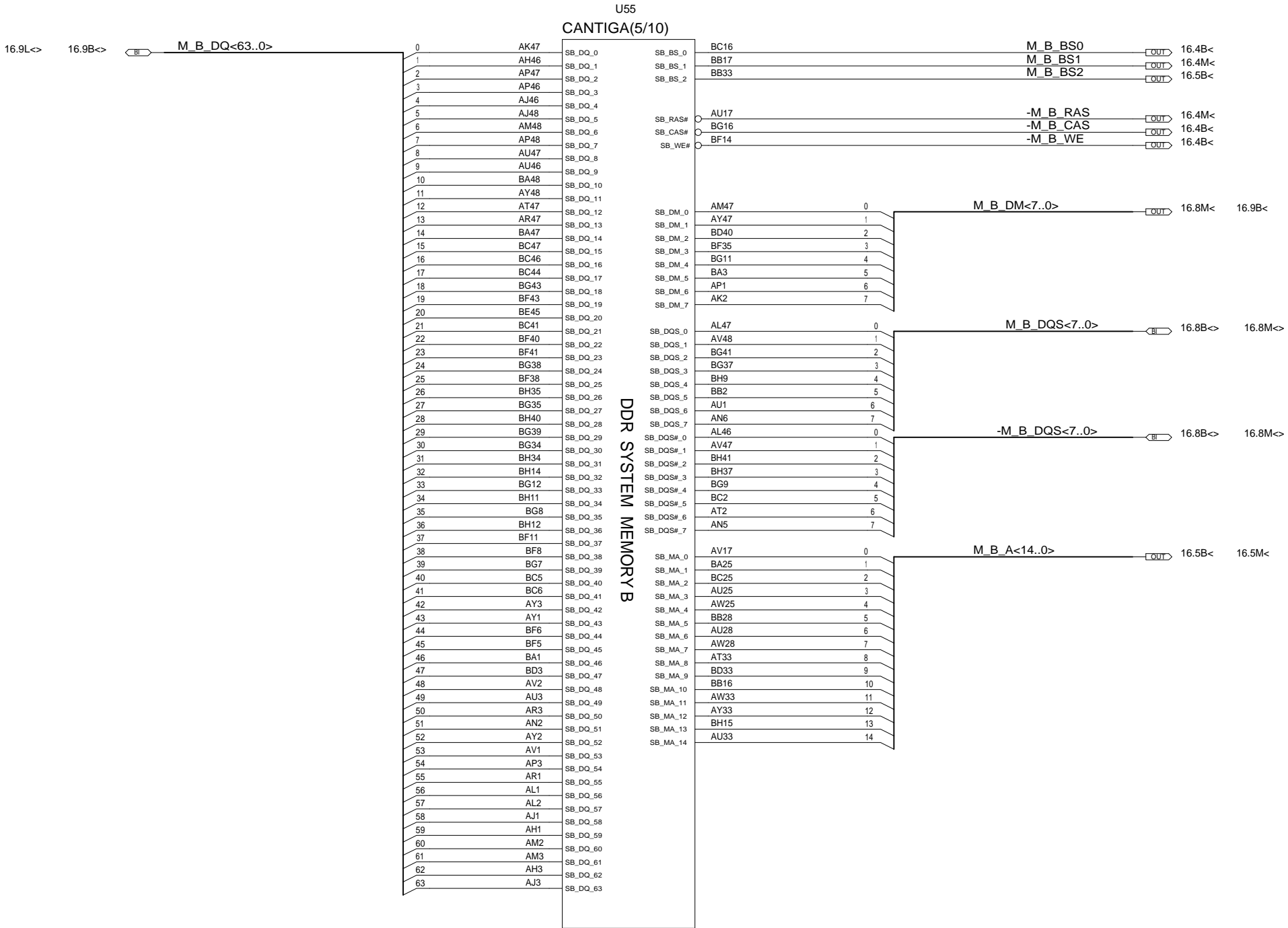
DESIGNER	Y.Y	09/28/07	PART NO. <b>VER.1.42</b>	
CHECKED	Y.I	09/28/07		
APPROVED	H.K	09/28/07		TITLE    MLB-3    EXT SDV
CLASS	H.K	09/28/07		
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.				
			LENOVO CONFIDENTIAL	

M		N		P		Q	
	DATE	EC NO.		PART NO.			
REL				VER.1.42			
				DEVELOPMENT NO.			
						Q/M	
						10 / 101	



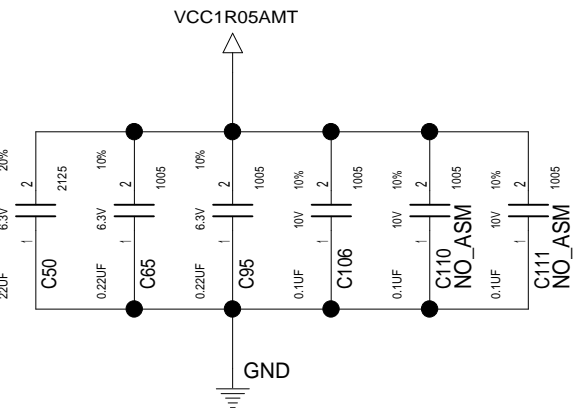
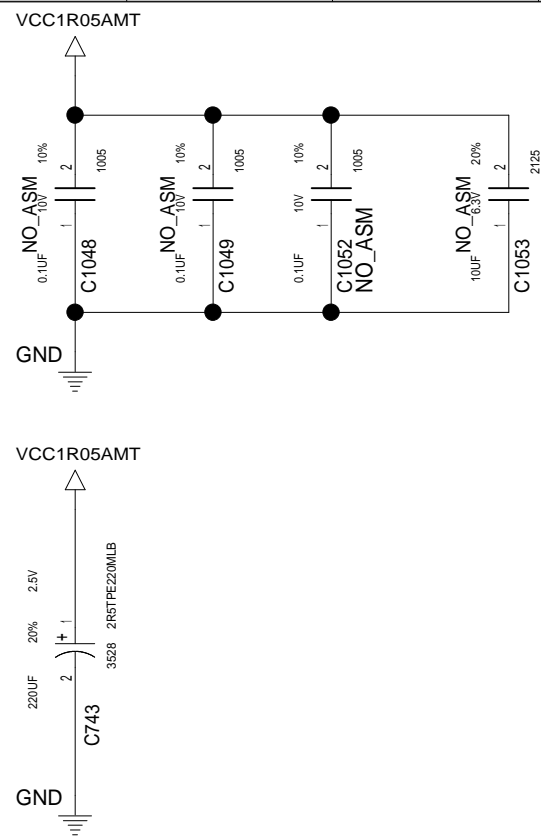
DESIGNER	Y.Y	09/28/07	PART NO.		
CHECKED	Y.I	09/28/07	VER.1.42		
APPROVED	H.K	09/28/07	TITLE MLB-3 EXT SDV		
CLASS	H.K	09/28/07	CANTIGA(4/8): DDR3 CHANNEL-A		
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.					
			LENOVO CONFIDENTIAL		

M		N		P		Q	
	DATE	EC NO.		PART NO.  VER.1.42			
REL							
				DEVELOPMENT NO.      Q/M  11 / 101			

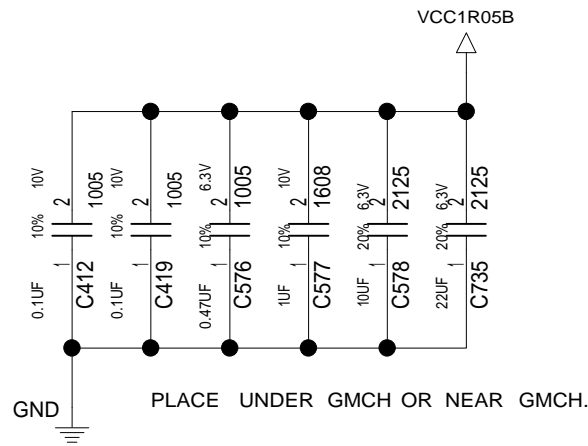
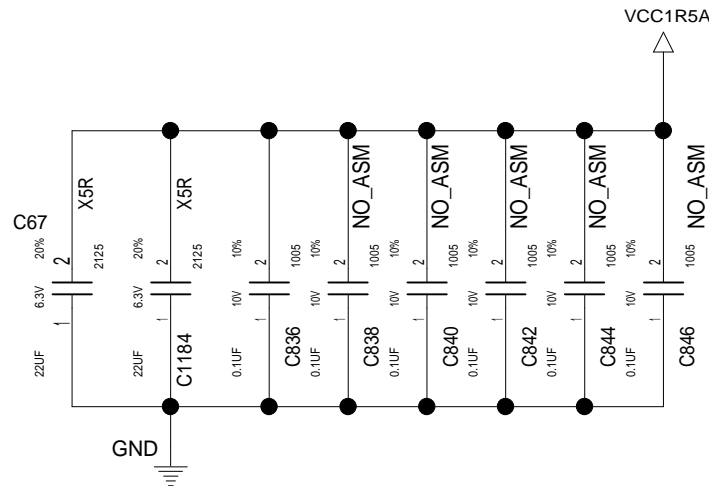
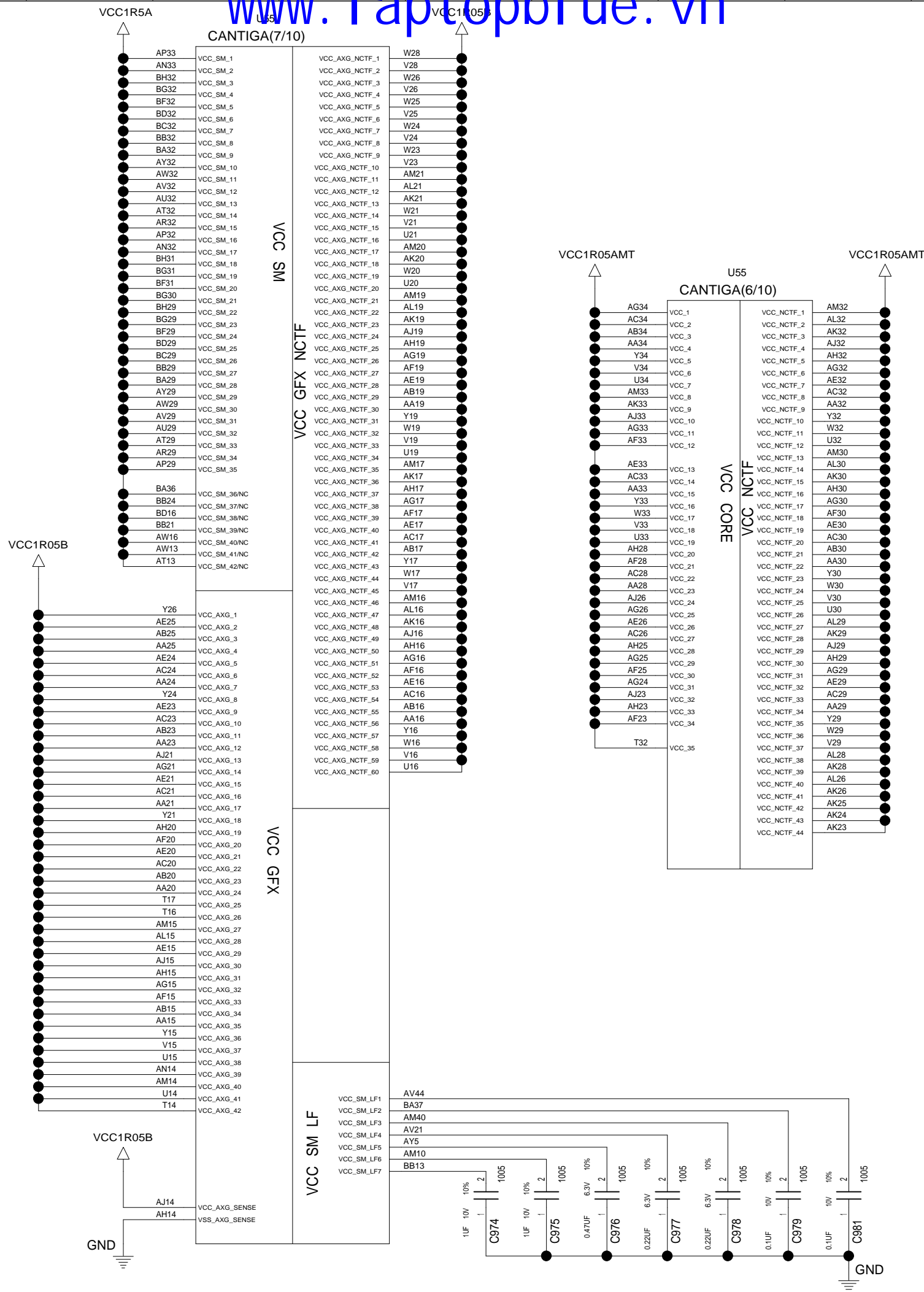


DESIGNER	Y.Y	09/28/07	PART NO.		
CHECKED	Y.I	09/28/07	VER.1.42		
APPROVED	H.K	09/28/07	TITLE MLB-3 EXT SDV		
CLASS	H.K	09/28/07	CANTIGA(5/8): DDR3 CHANNEL-B		
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.			LENOVO CONFIDENTIAL		

M		N		P		Q	
	DATE	EC NO.		PART NO.  <b>VER.1.42</b>			
REL							
				DEVELOPMENT NO.		Q/M	
						12 / 101	

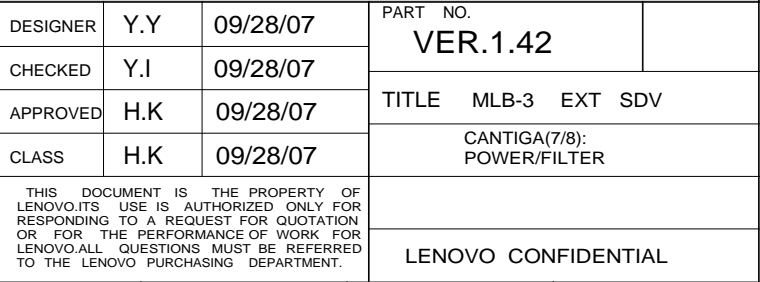


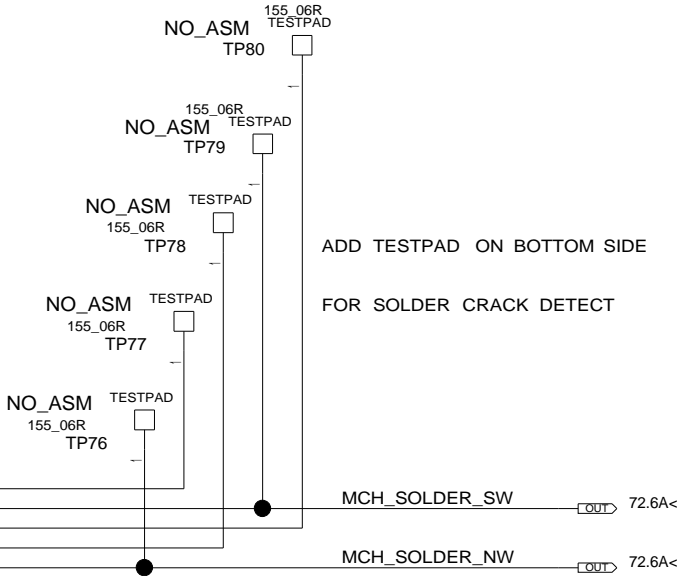
VER.1.42



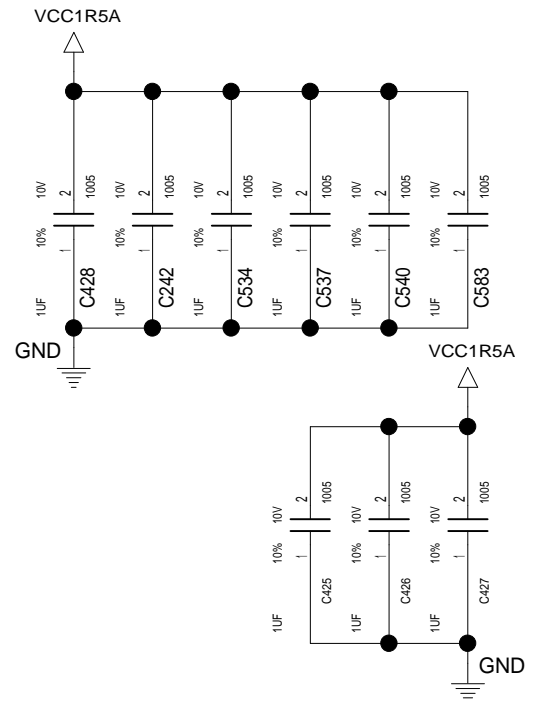
DESIGNER	Y.Y	09/28/07	PART NO. <b>VER.1.42</b>	
CHECKED	Y.I	09/28/07		
APPROVED	H.K	09/28/07	TITLE    MLB-3    EXT    SDV	
CLASS	H.K	09/28/07	CANTIGA(6/8):POWER	
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.				
			LENOVO CONFIDENTIAL	



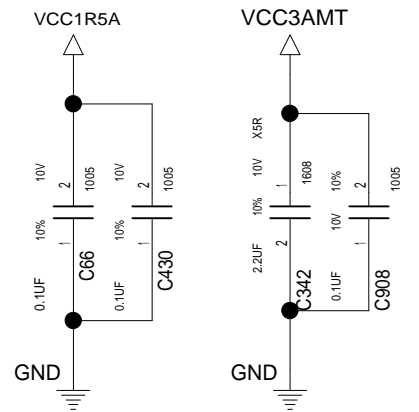




DESIGNER	Y.Y	09/28/07	PART NO. <b>VER.1.42</b>	
CHECKED	Y.I	09/28/07		
APPROVED	H.K	09/28/07		TITLE    MLB-3    EXT    SDV
CLASS	H.K	09/28/07		CANTIGA(8/8):GND
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.			<b>LENOVO CONFIDENTIAL</b>	

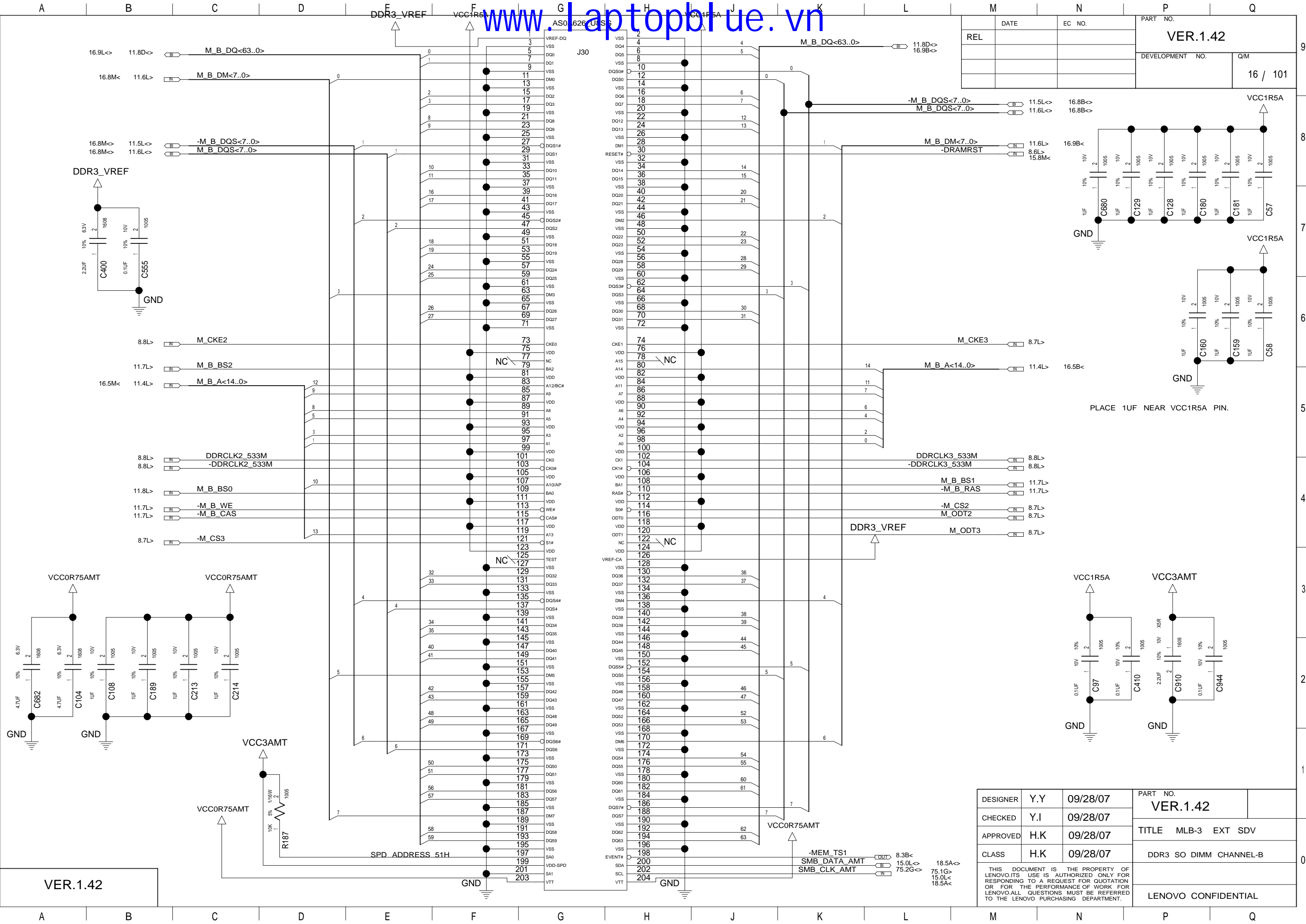


PLACE 1UF NEAR VCC1R5A PIN.



DESIGNER	Y.Y	09/28/07	PART NO. <b>VER.1.42</b>
CHECKED	Y.I	09/28/07	
APPROVED	H.K	09/28/07	TITLE    MLB-3    EXT    SDV
CLASS	H.K	09/28/07	DDR3   SO   DIMM   CHANNEL-A
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.			<b>LENOVO CONFIDENTIAL</b>

REL		DATE	EC NO.	PART NO.	
				VER.1.42	
				DEVELOPMENT NO.	Q/M
					16 / 101

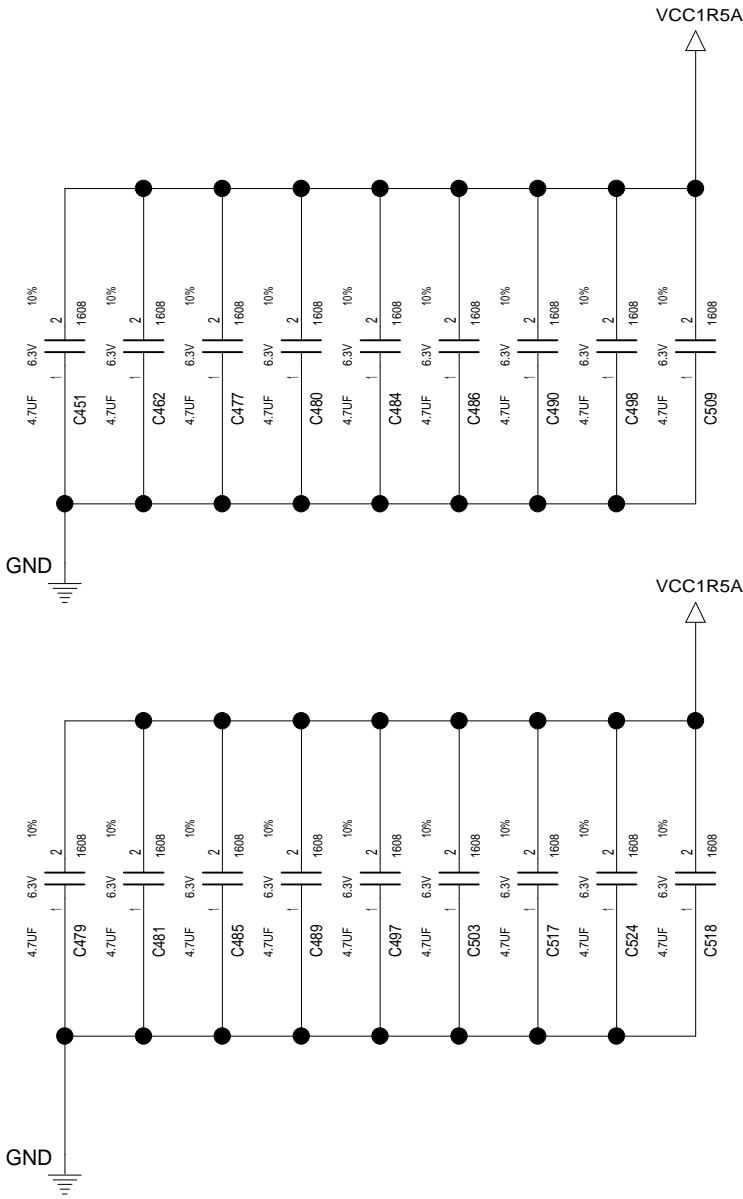
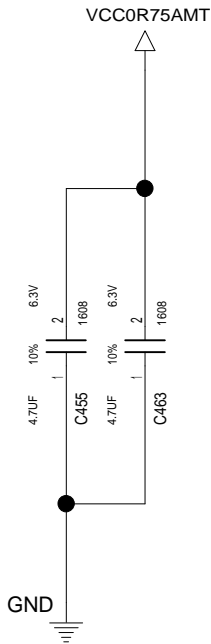


PLACE 1UF NEAR VCC1R5A PIN.

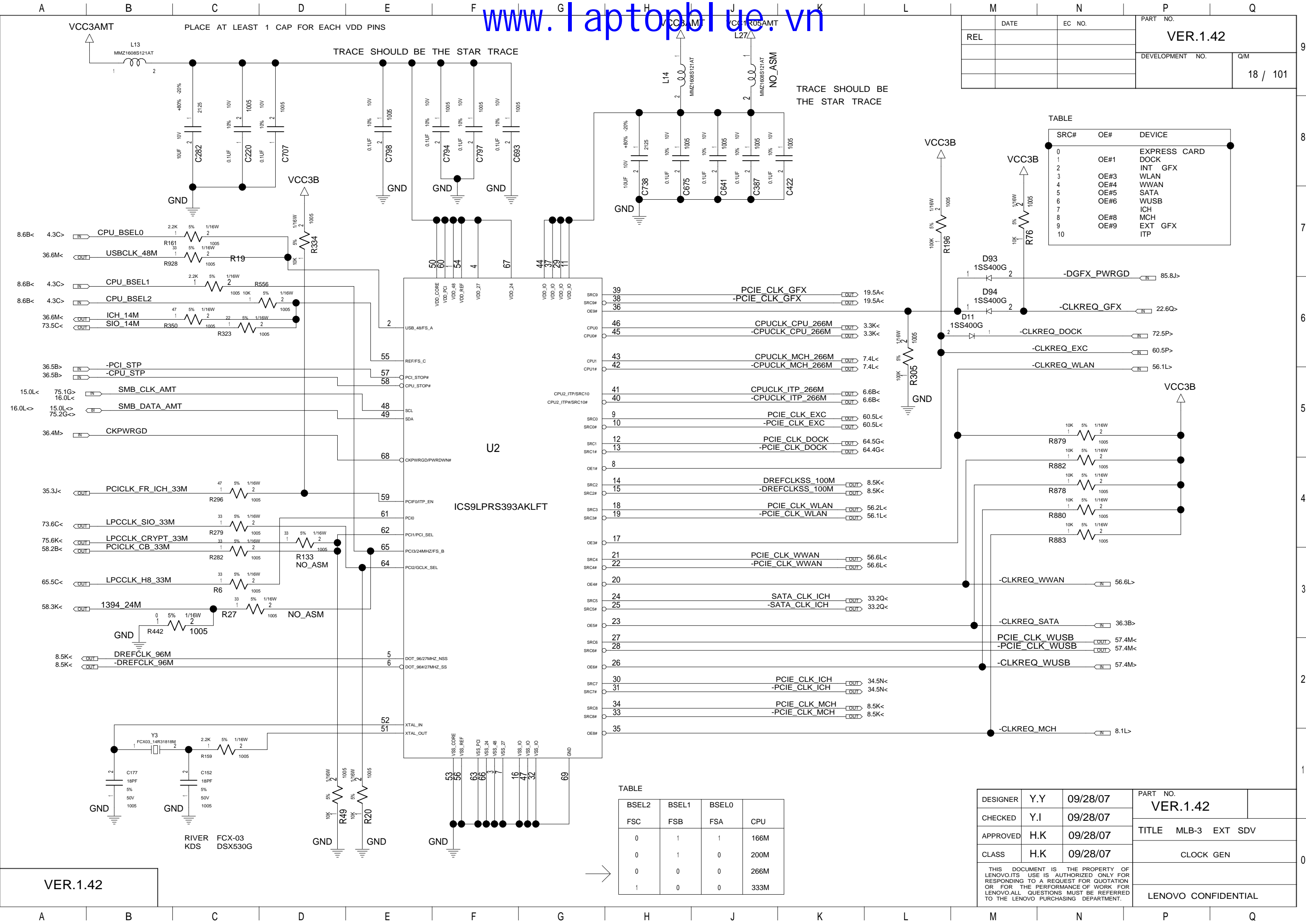
DESIGNER	Y.Y	09/28/07	PART NO.	
CHECKED	Y.I	09/28/07	VER.1.42	
APPROVED	H.K	09/28/07	TITLE   MLB-3   EXT   SDV	
CLASS	H.K	09/28/07	DDR3 SO DIMM CHANNEL-B	
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.			LENOVO CONFIDENTIAL	



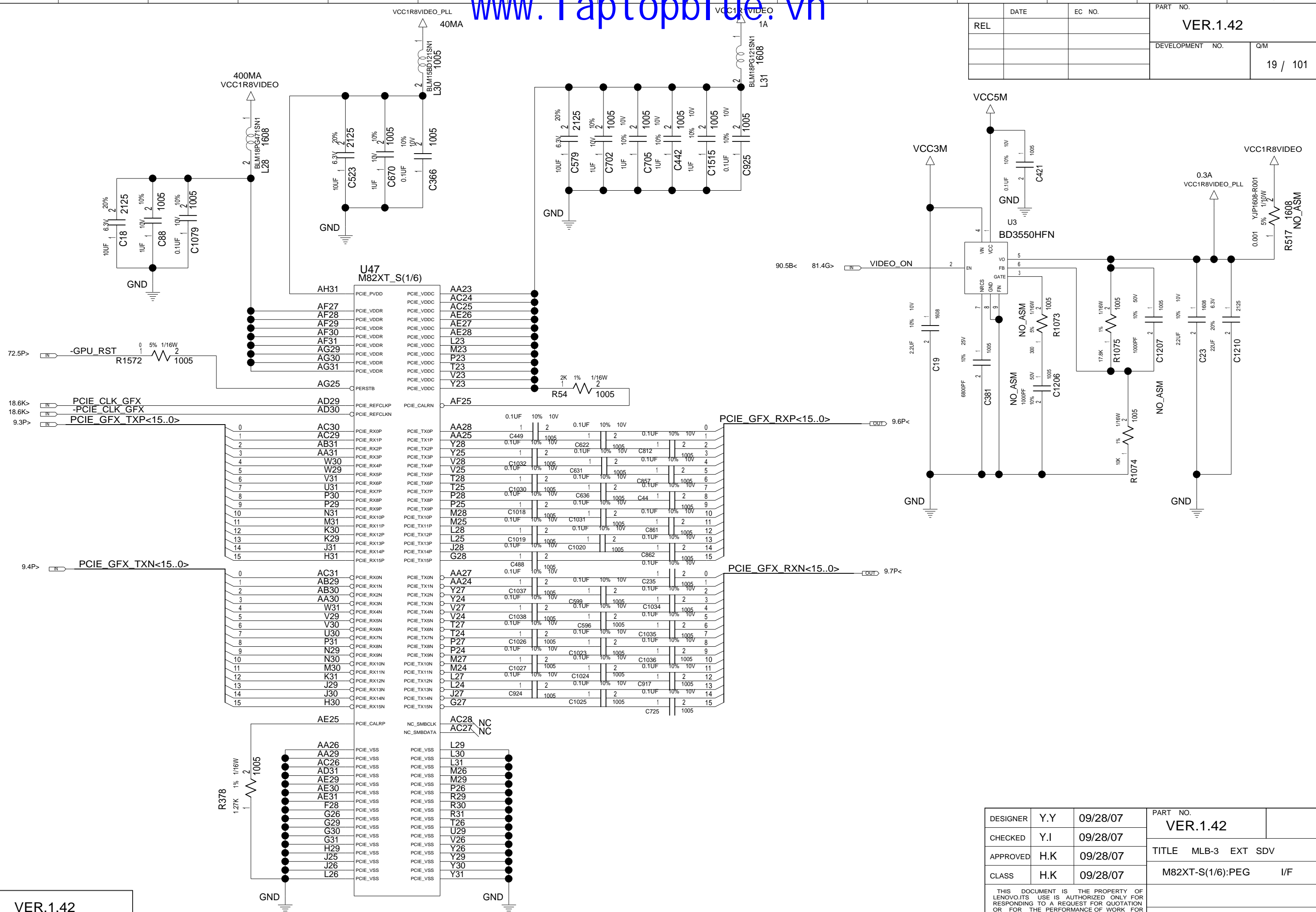
	DATE	EC NO.	PART NO.	
REL			VER.1.42	
			DEVELOPMENT NO.	Q/M
				17 / 101



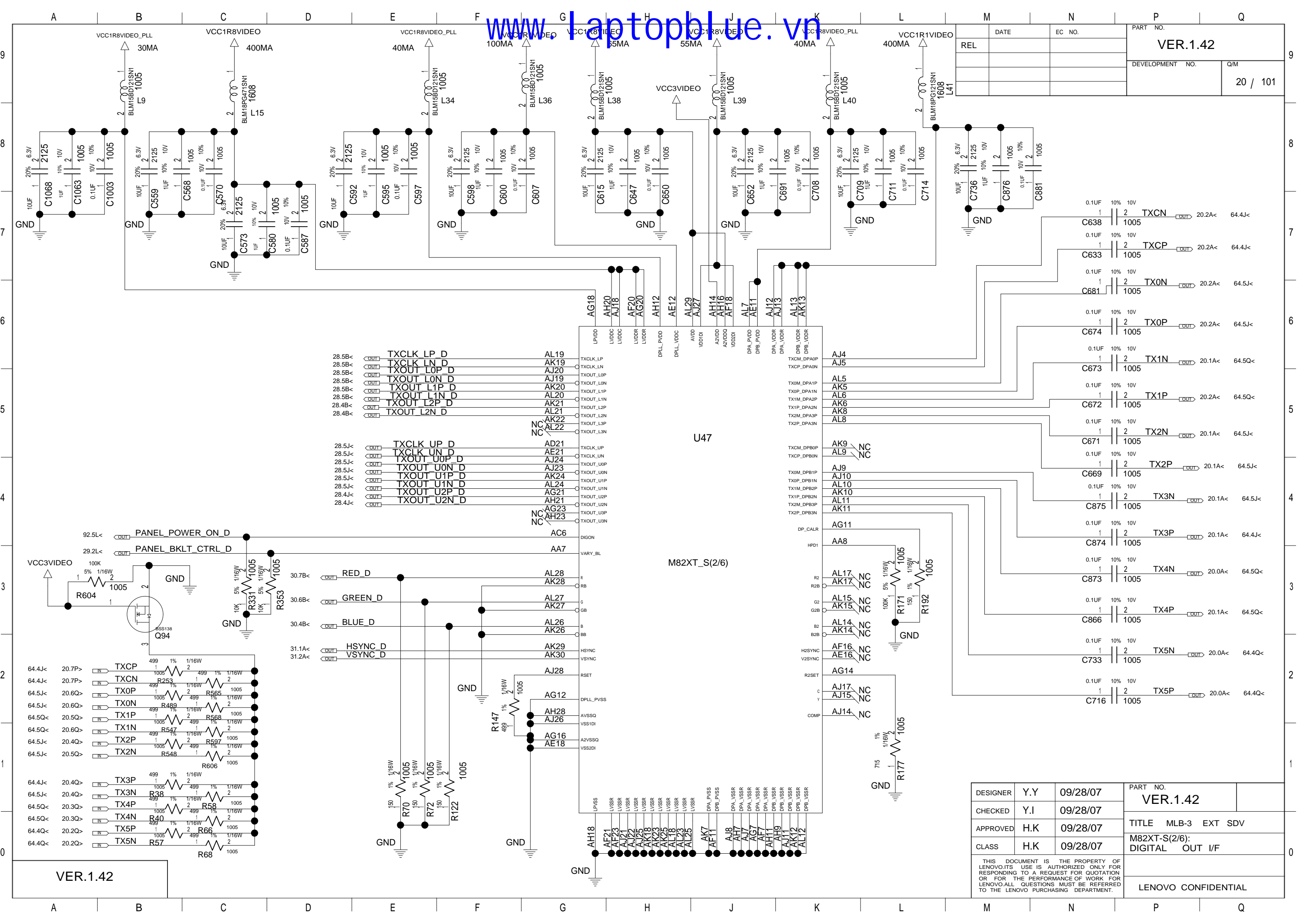
DESIGNER	Y.Y	09/28/07	PART NO.	
CHECKED	Y.I	09/28/07	VER.1.42	
APPROVED	H.K	09/28/07	TITLE MLB-3 EXT SDV	
CLASS	H.K	09/28/07	DDR3 DECOUPLING	
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.				
			LENOVO CONFIDENTIAL	



	DATE	EC NO.	PART NO.  <div style="font-size: 2em; text-align: center;">VER.1.42</div>
REL			
			DEVELOPMENT NO.  <div style="text-align: right;">Q/M 19 / 101</div>

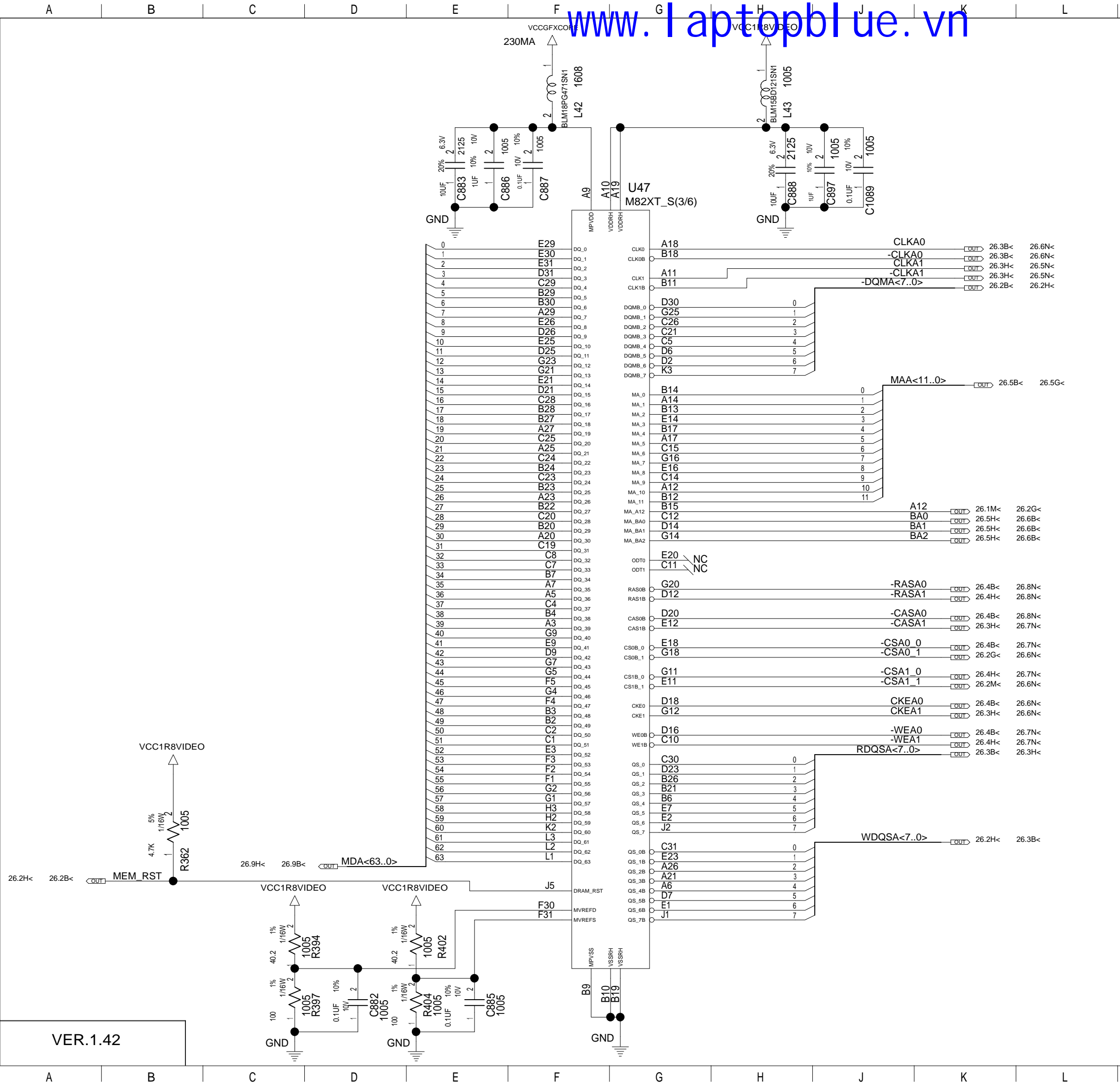


DESIGNER	Y.Y	09/28/07	PART NO. <b>VER.1.42</b>
CHECKED	Y.I	09/28/07	
APPROVED	H.K	09/28/07	TITLE    MLB-3    EXT    SDV
CLASS	H.K	09/28/07	M82XT-S(1/6):PEG                      I/F
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.			
			<b>LENOVO CONFIDENTIAL</b>





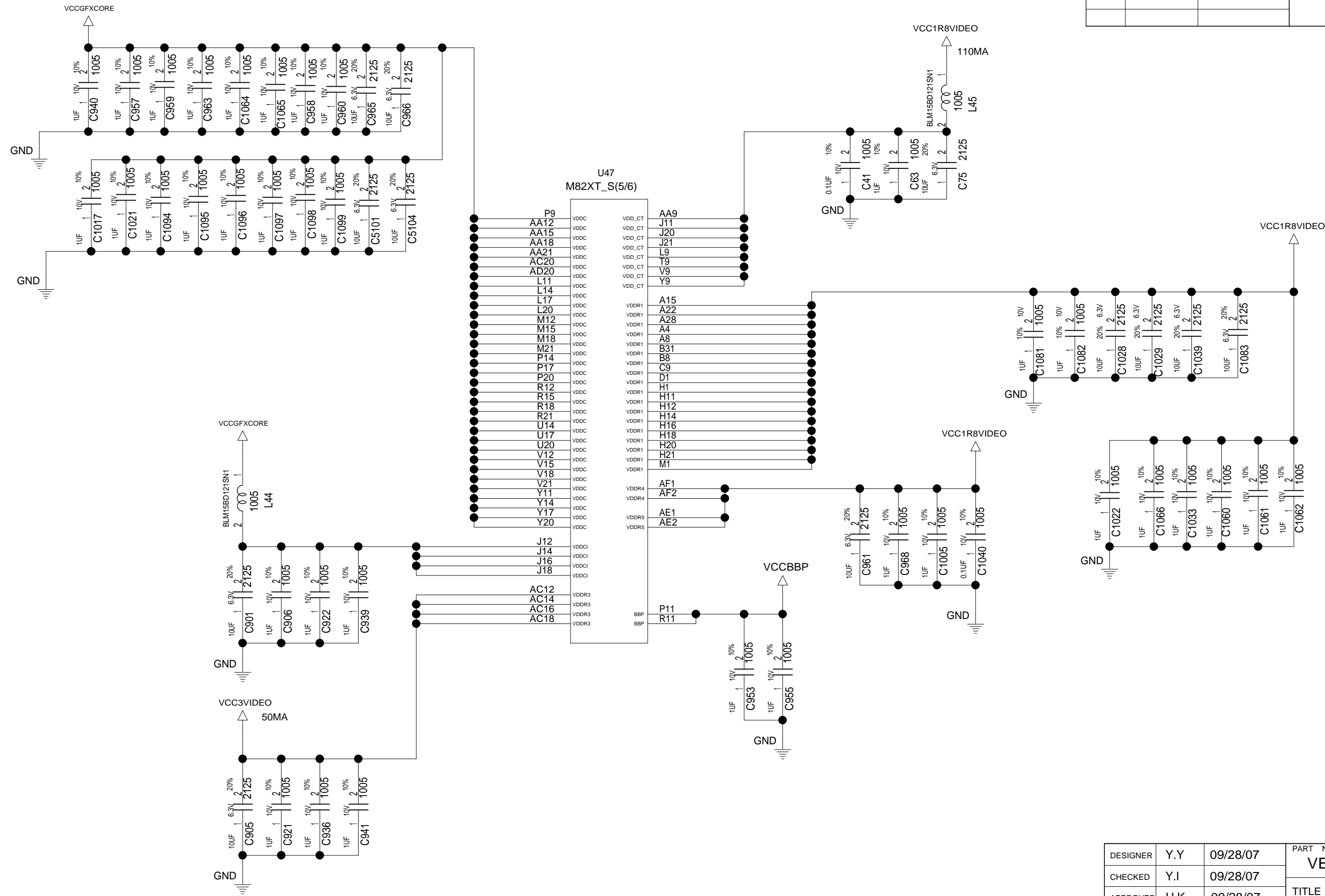
DATE		EC NO.	PART NO.	
REL			VER.1.42	
			DEVELOPMENT NO.	Q/M
			21 / 101	



DESIGNER	Y.Y	09/28/07	PART NO.	
CHECKED	Y.I	09/28/07	VER.1.42	
APPROVED	H.K	09/28/07	TITLE MLB-3 EXT SDV	
CLASS	H.K	09/28/07	M82XT-S(3/6):VRAM	I/F
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.			LENOVO CONFIDENTIAL	

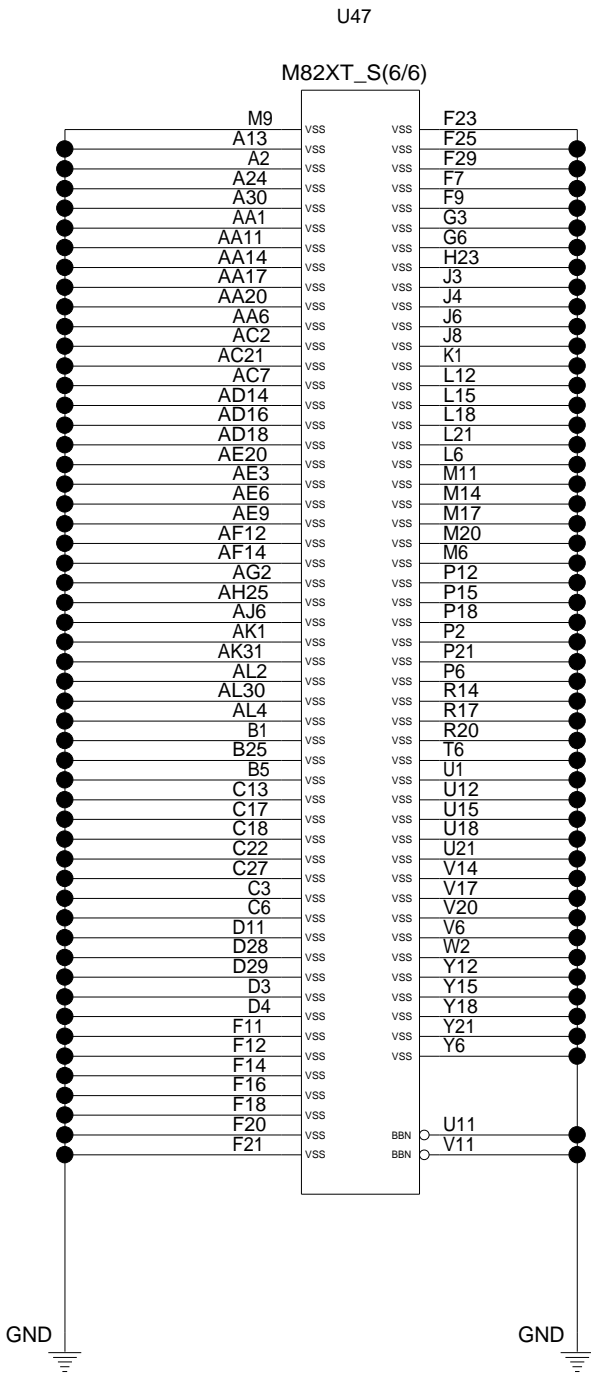


DATE		EC NO.		PART NO.	
REL				VER.1.42	
				DEVELOPMENT NO.	
				Q/M	
				23 / 101	



DESIGNER	Y.Y	09/28/07	PART NO.	
CHECKED	Y.I	09/28/07	VER.1.42	
APPROVED	H.K	09/28/07	TITLE MLB-3 EXT SDV	
CLASS	H.K	09/28/07	M82XT-S(5/6):POWER	
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.			LENOVO CONFIDENTIAL	

M		N		P		Q	
	DATE	EC NO.		PART NO.			
REL				VER.1.42			
				DEVELOPMENT NO.			
				Q/M			
				24 / 101			



DESIGNER	Y.Y	09/28/07	PART NO.		
CHECKED	Y.I	09/28/07	VER.1.42		
APPROVED	H.K	09/28/07	TITLE MLB-3 EXT SDV		
CLASS	H.K	09/28/07	M82XT-S(6/6):GND		
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.					
			LENOVO CONFIDENTIAL		



M		N		P		Q	
	DATE	EC NO.		PART NO.			
REL				VER.1.42			
				DEVELOPMENT NO.		Q/M	
						25 / 101	

# BLANK

DESIGNER	Y.Y	09/28/07	PART NO. <b>VER.1.42</b>	
CHECKED	Y.I	09/28/07	TITLE    MLB-3    EXT    SDV	0
APPROVED	H.K	09/28/07		
CLASS	H.K	09/28/07	BLANK	
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.			LENOVO CONFIDENTIAL	

U35  
HY5RS123235FP

(TOP SIDE)

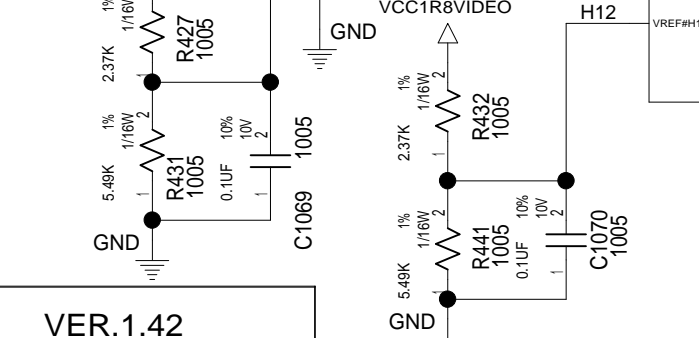
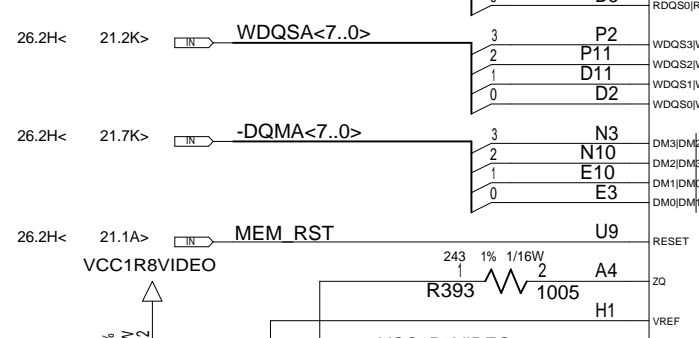
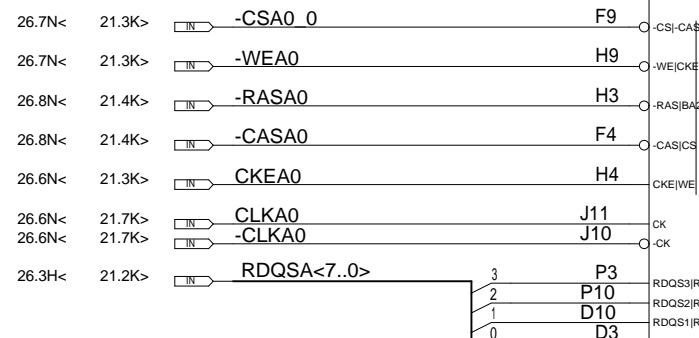
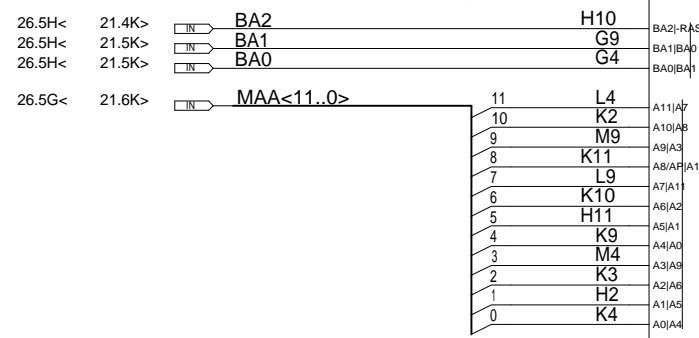
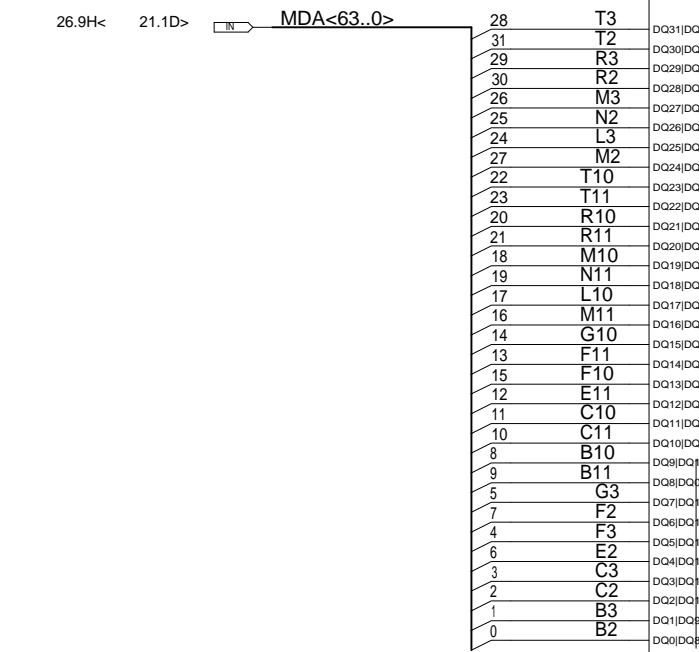
VCC1R8VIDEO

(TOP SIDE)

U46  
HY5RS123235FP

VCC1R8VIDEO

REL	DATE	EC NO.	PART NO.	DEVELOPMENT NO.	Q/M
			VER.1.42		26 / 101



VER.1.42

A

B

C

D

E

F

G

H

J

K

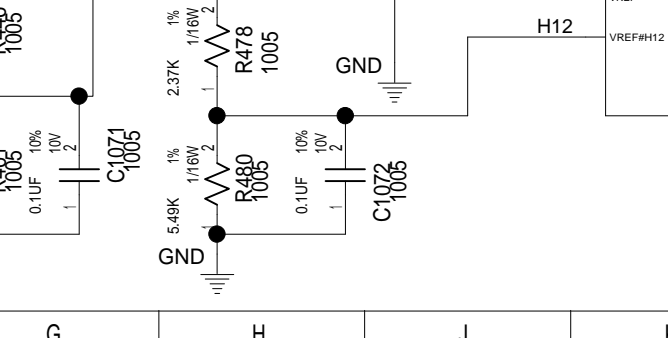
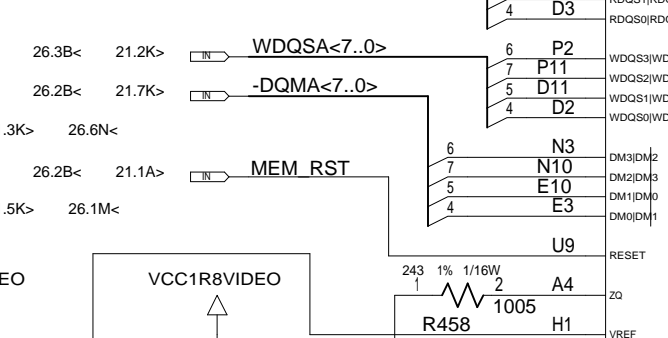
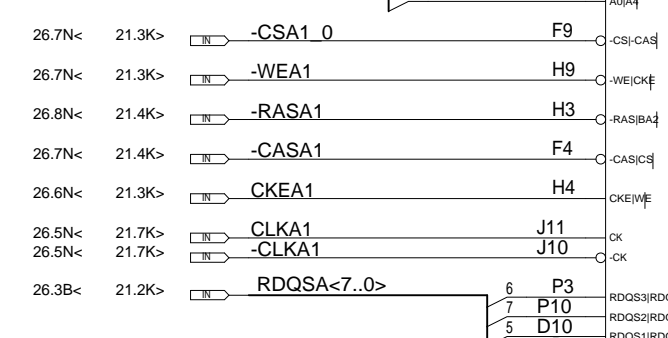
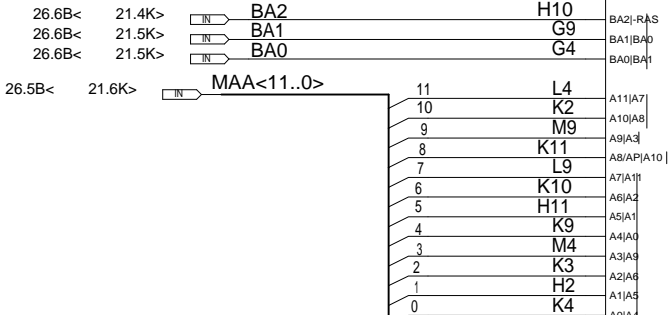
L

M

N

P

Q



VER.1.42

A

B

C

D

E

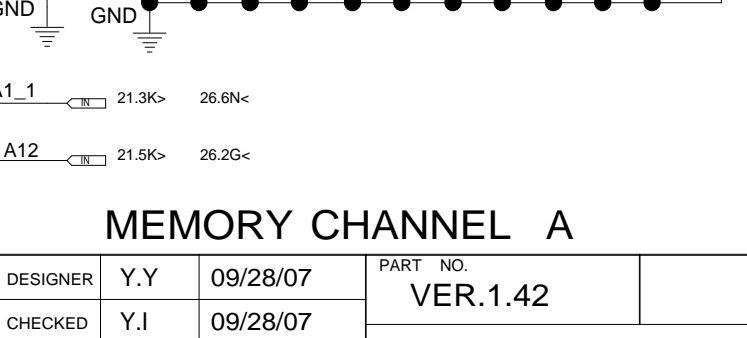
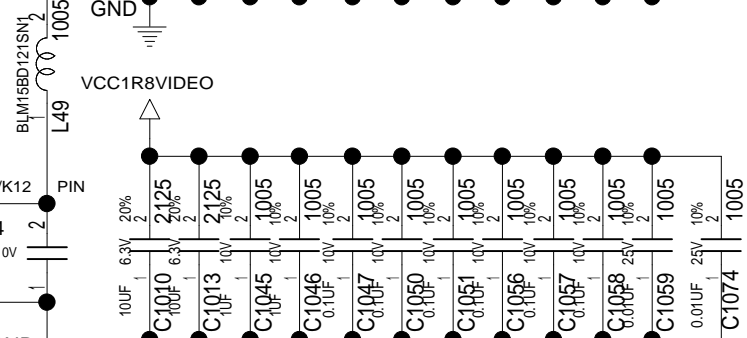
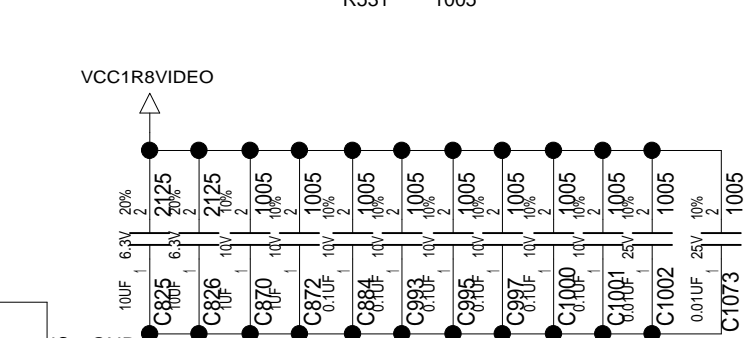
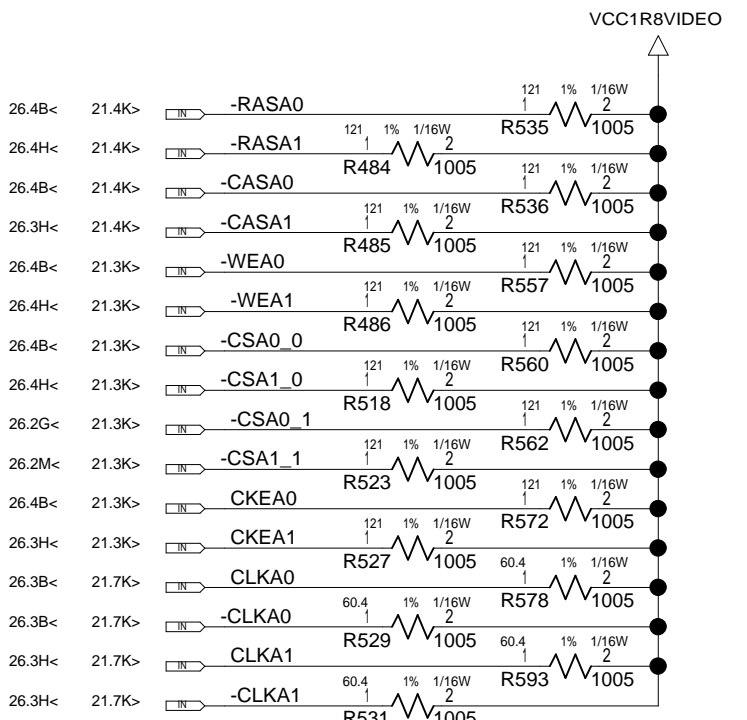
F

G

H

J

K



MEMORY CHANNEL A

DESIGNER	Y.Y	09/28/07	PART NO.
CHECKED	Y.I	09/28/07	VER.1.42
APPROVED	H.K	09/28/07	TITLE MLB-3 EXT SDV
CLASS	H.K	09/28/07	VRAM CHANNEL-A

THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.

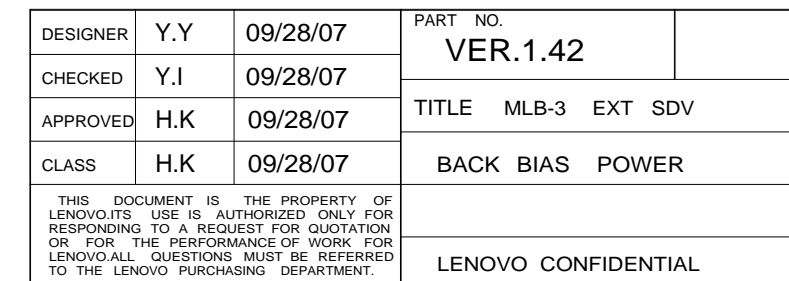
LENOVO CONFIDENTIAL

M

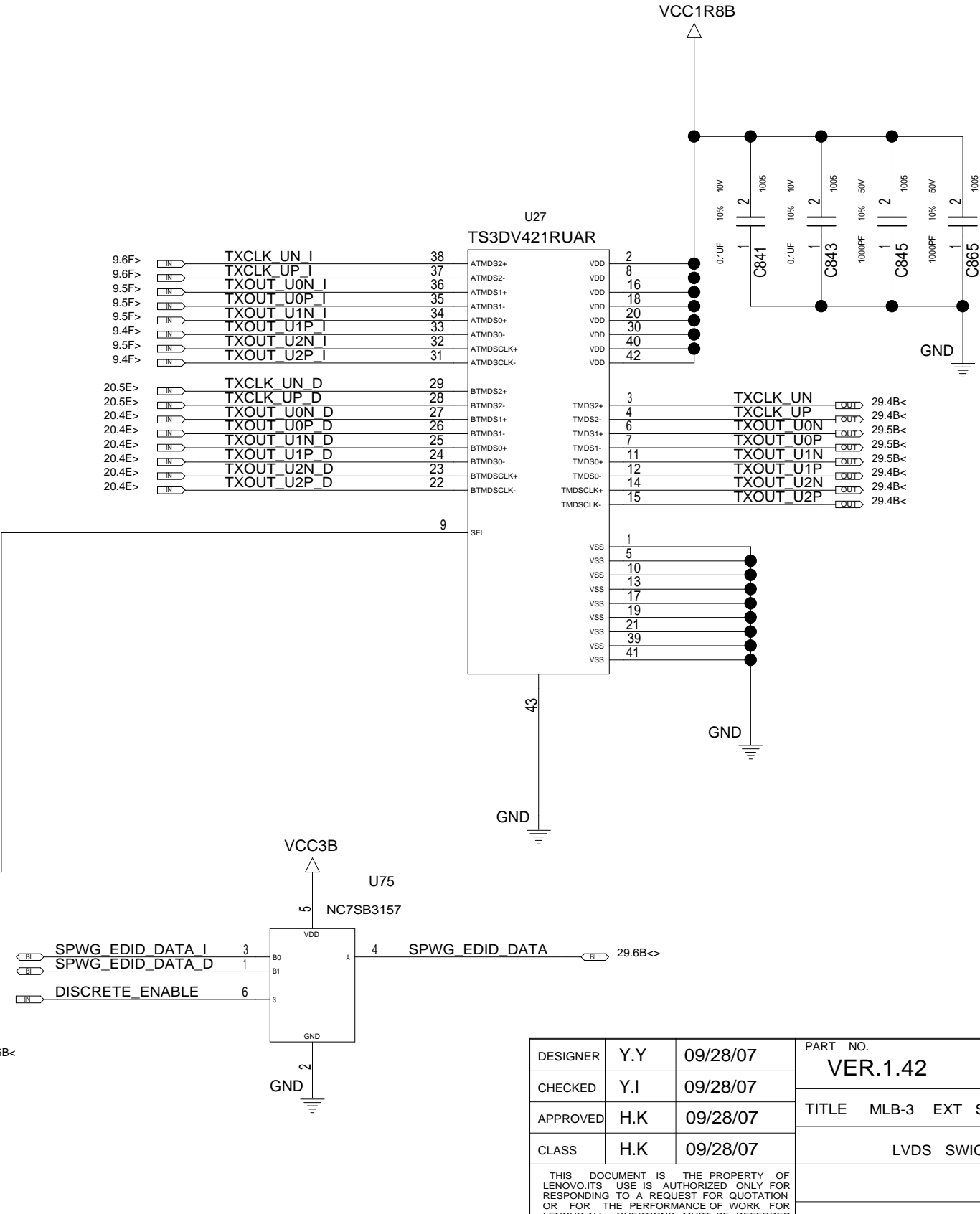
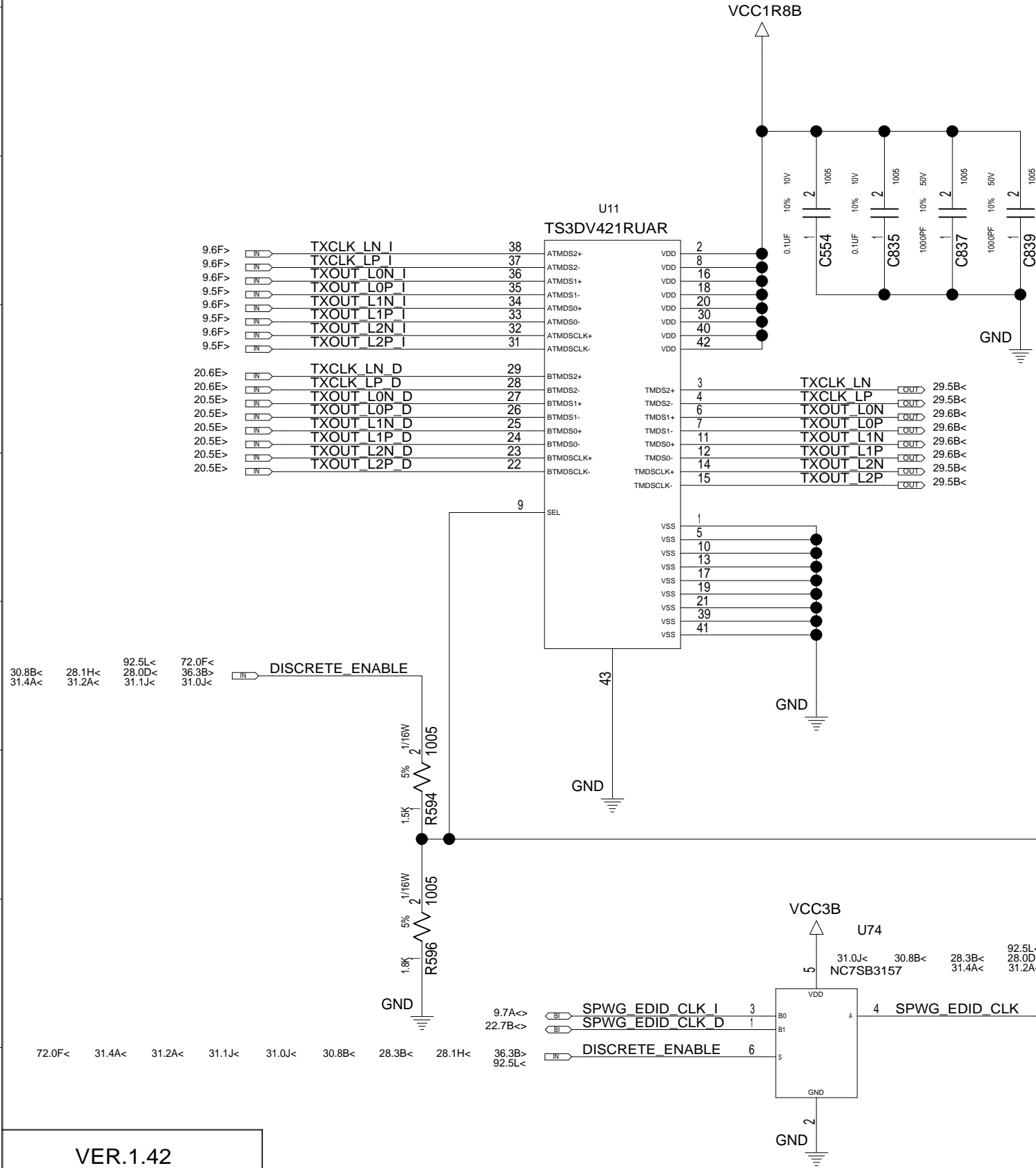
N

P

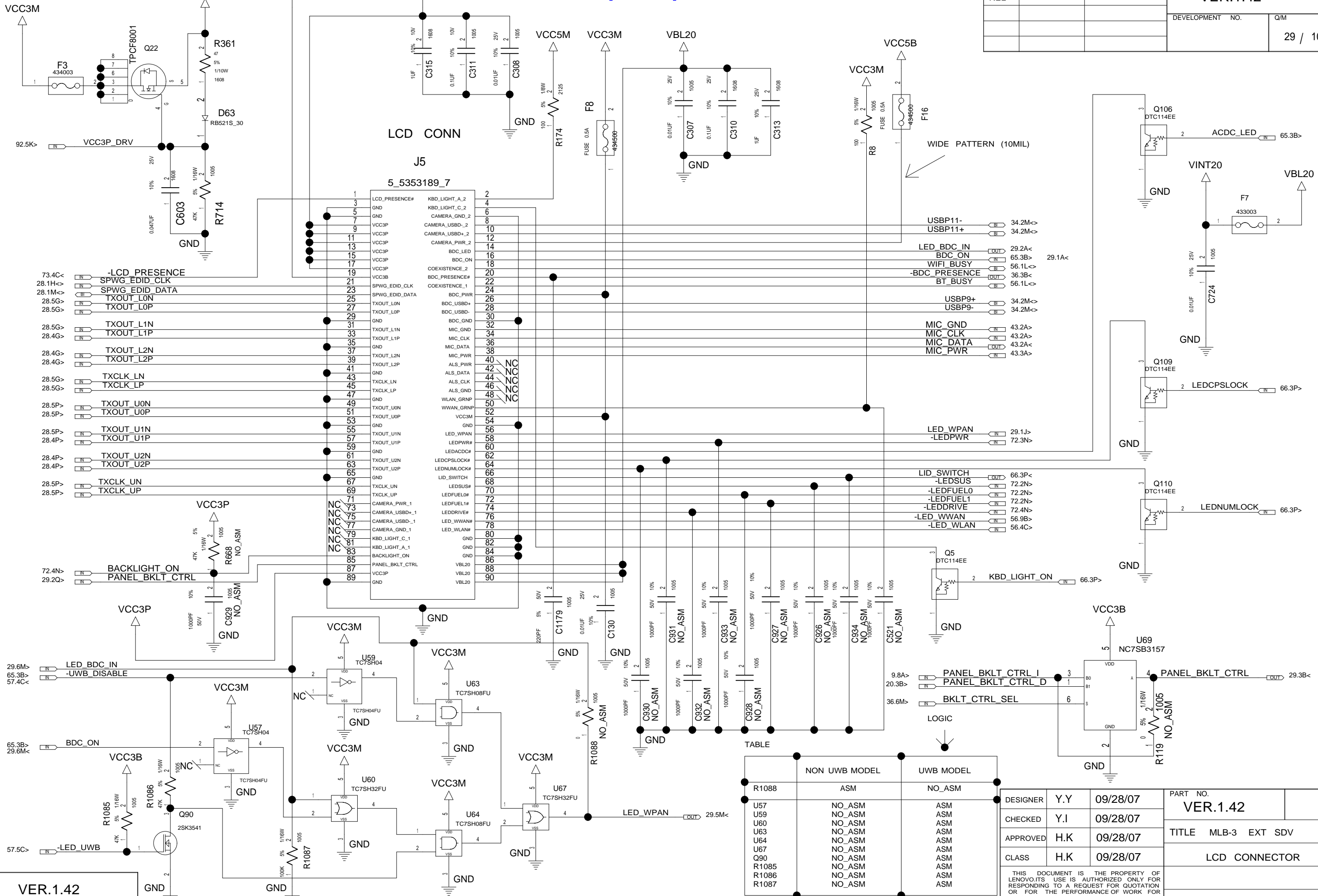
Q



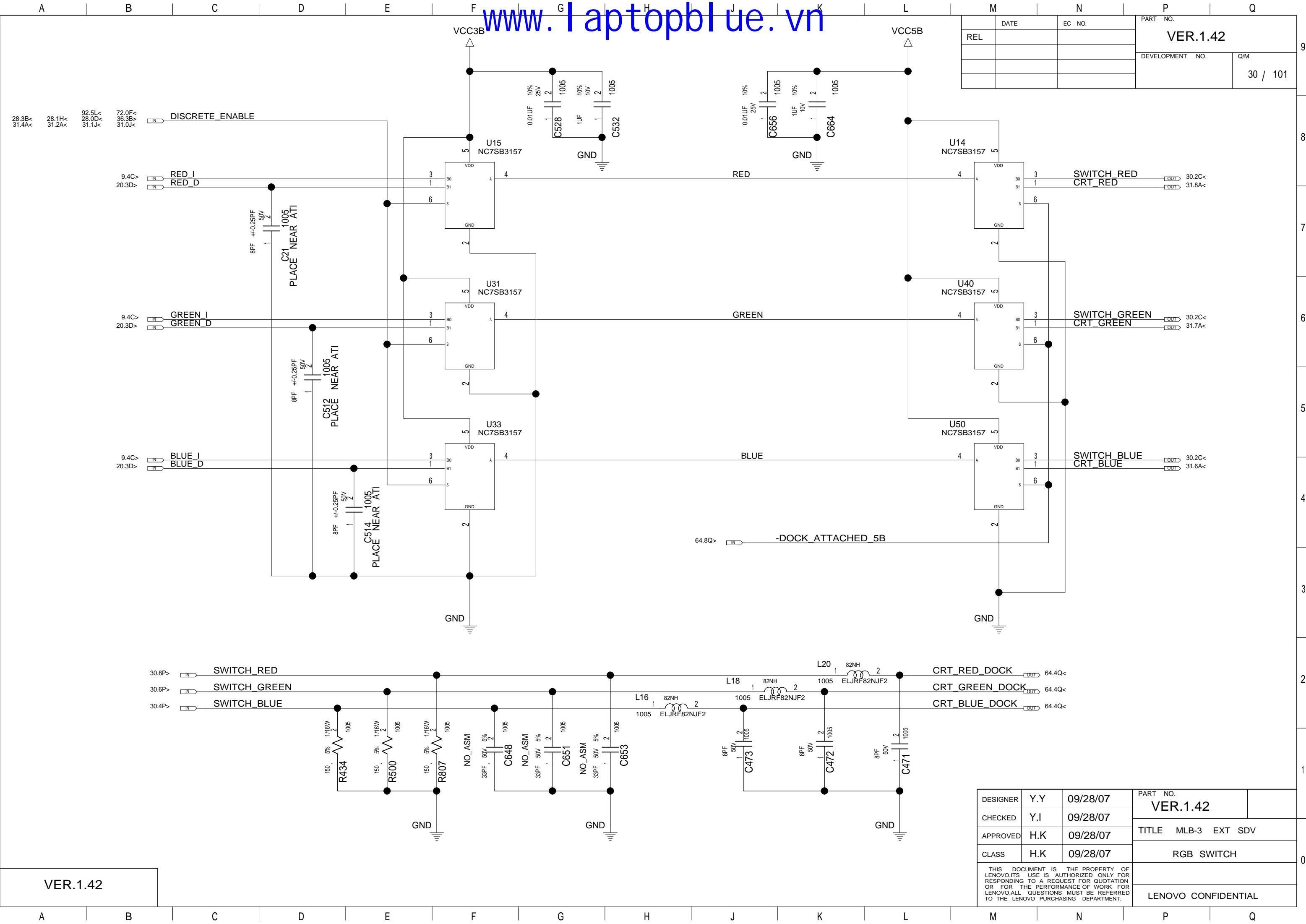
DATE		EC NO.	PART NO.	
REL			VER.1.42	
			DEVELOPMENT NO.	Q/M
				28 / 101



DESIGNER	Y.Y	09/28/07	PART NO.	
CHECKED	Y.I	09/28/07	VER.1.42	
APPROVED	H.K	09/28/07	TITLE MLB-3 EXT SDV	
CLASS	H.K	09/28/07	LVDS SWICH	
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.			LENOVO CONFIDENTIAL	



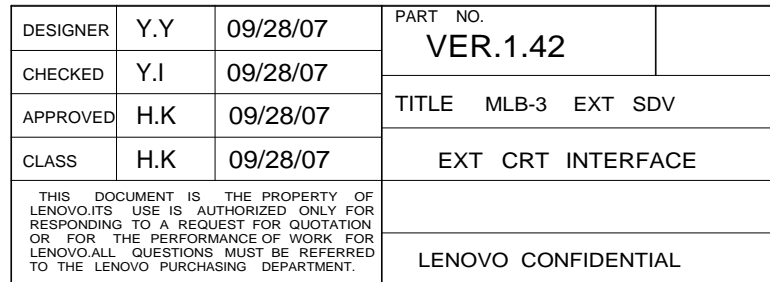




DATE		EC NO.	PART NO.	
REL			VER.1.42	
			DEVELOPMENT NO.	
			Q/M	
			30 / 101	

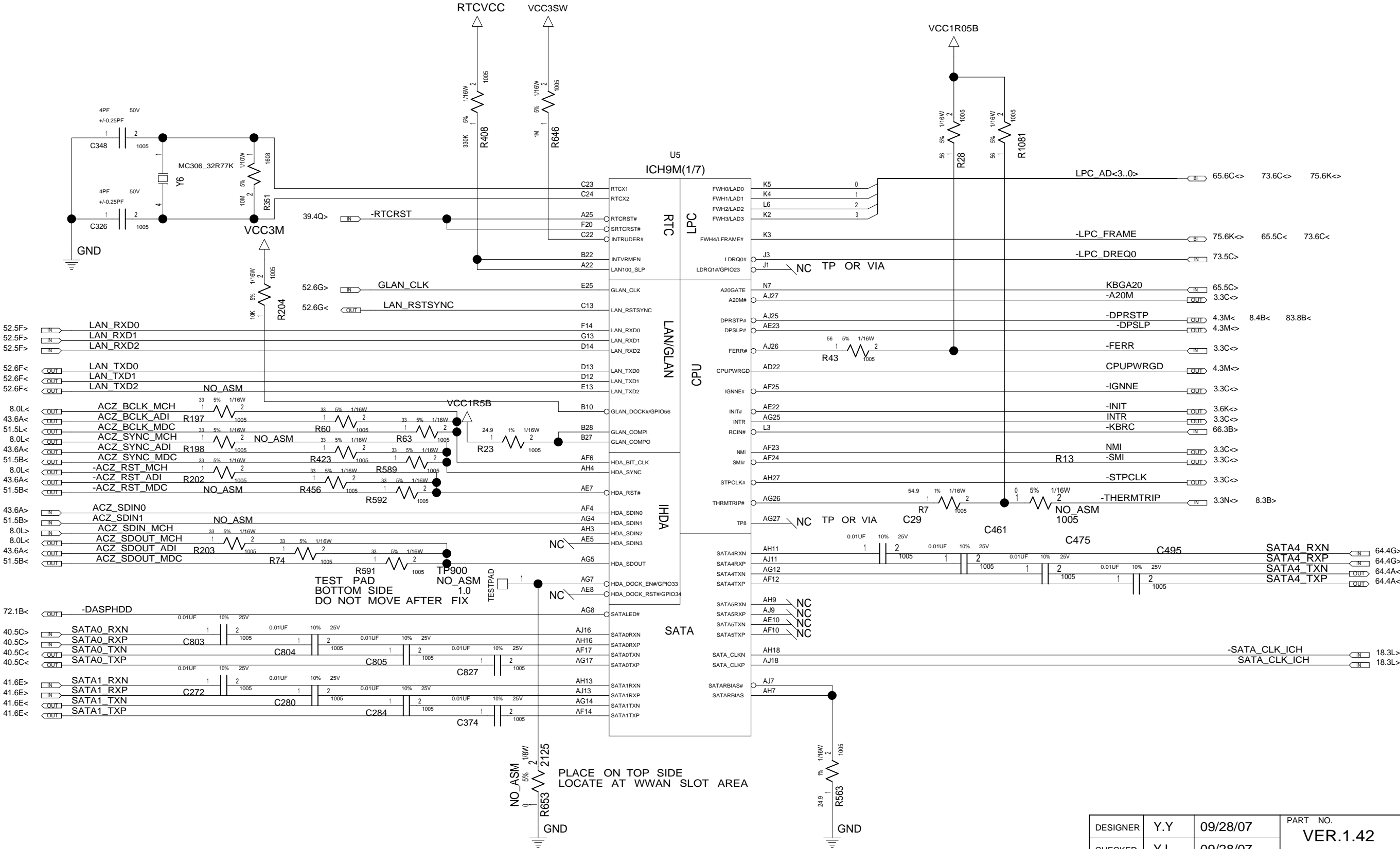
VER.1.42

DESIGNER	Y.Y	09/28/07	PART NO.	
CHECKED	Y.I	09/28/07	VER.1.42	
APPROVED	H.K	09/28/07	TITLE MLB-3 EXT SDV	
CLASS	H.K	09/28/07	RGB SWITCH	
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.				
			LENOVO CONFIDENTIAL	

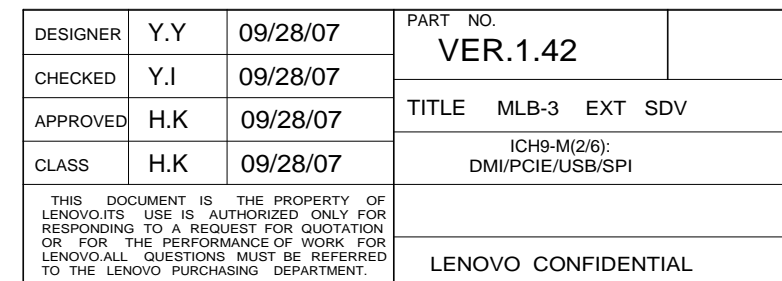




DATE		EC NO.	PART NO.	
REL			VER.1.42	
			DEVELOPMENT NO.	Q/M
				33 / 101

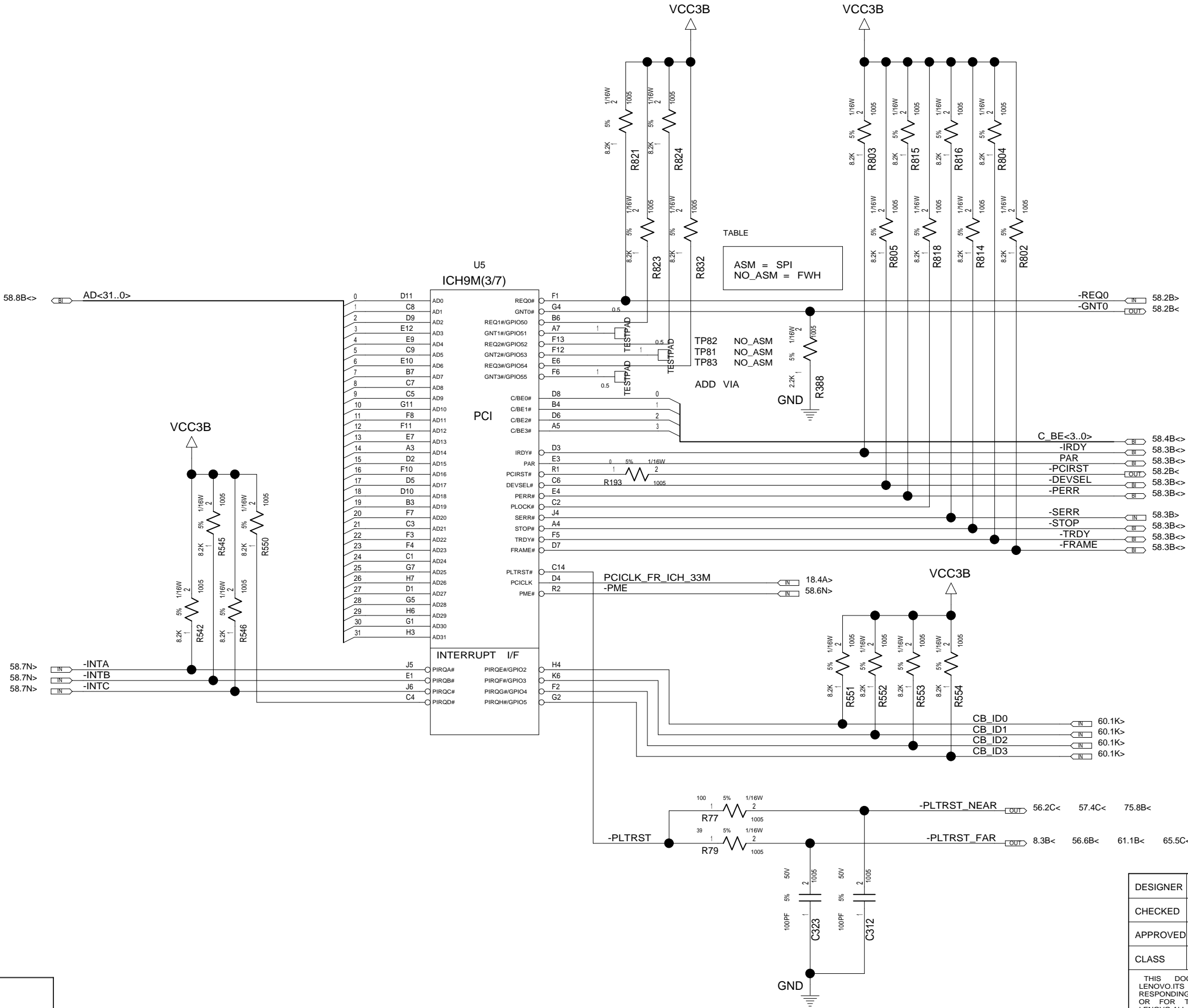


DESIGNER	Y.Y	09/28/07	PART NO.	
CHECKED	Y.I	09/28/07	VER.1.42	
APPROVED	H.K	09/28/07	TITLE MLB-3 EXT SDV	
CLASS	H.K	09/28/07	ICH9-M(1/6): SATA/HDA/GLAN/LPC	
THIS DOCUMENT IS THE PROPERTY OF LENOVO. ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO. ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.			LENOVO CONFIDENTIAL	



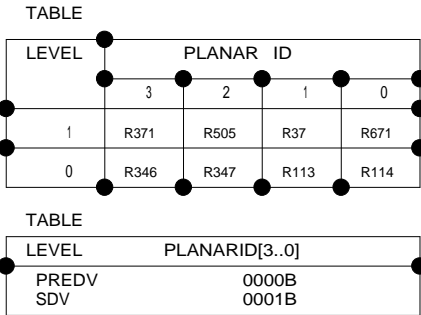


M		N		P		Q	
DATE		EC NO.		PART NO.		VER.1.42	
REL				DEVELOPMENT NO.		Q/M	
						35 / 101	

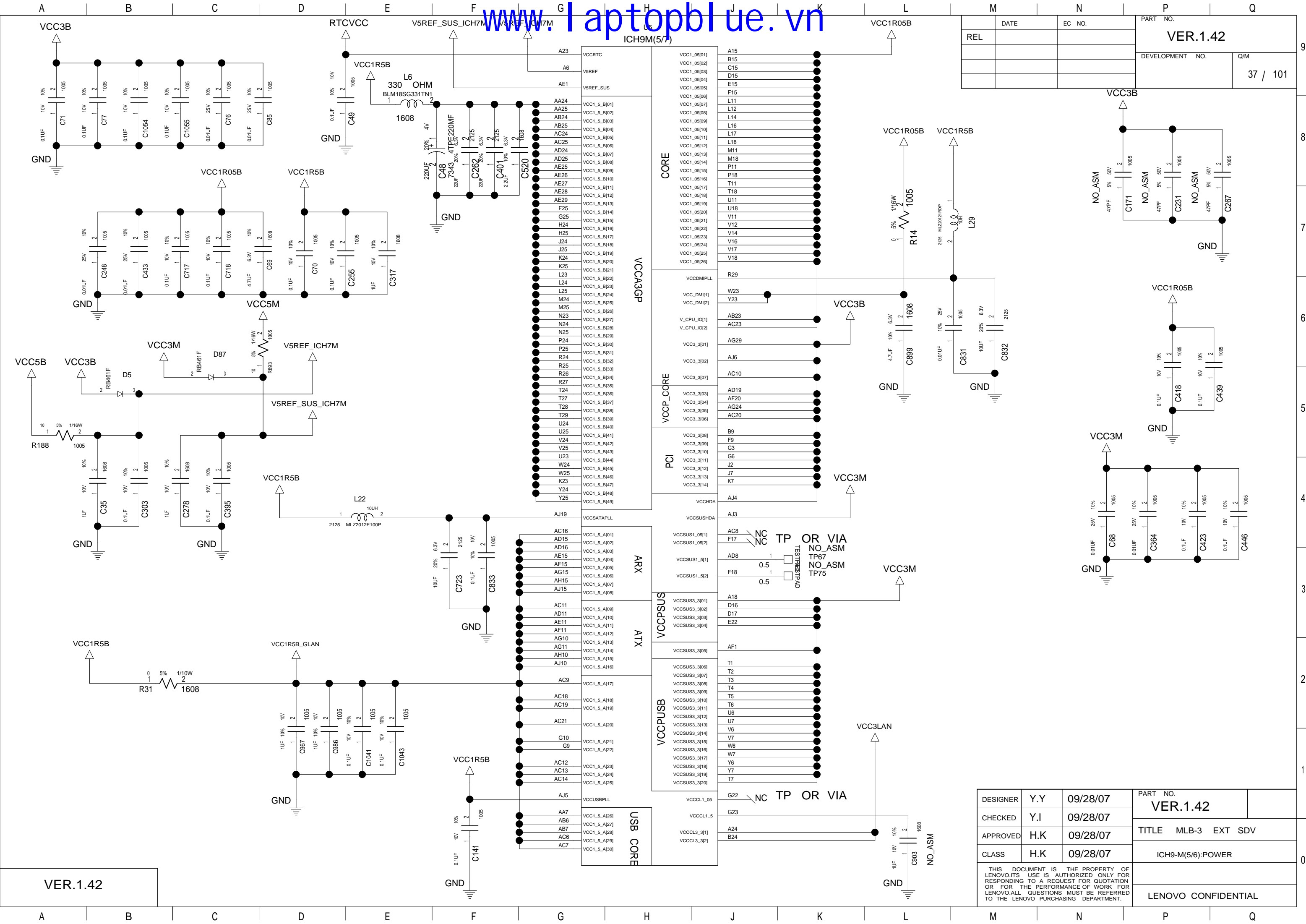


VER.1.42

DESIGNER	Y.Y	09/28/07	PART NO.	
CHECKED	Y.I	09/28/07	VER.1.42	
APPROVED	H.K	09/28/07	TITLE MLB-3 EXT SDV	
CLASS	H.K	09/28/07	ICH9-M(3/6): PCI/INTERRUPT	
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.			LENOVO CONFIDENTIAL	



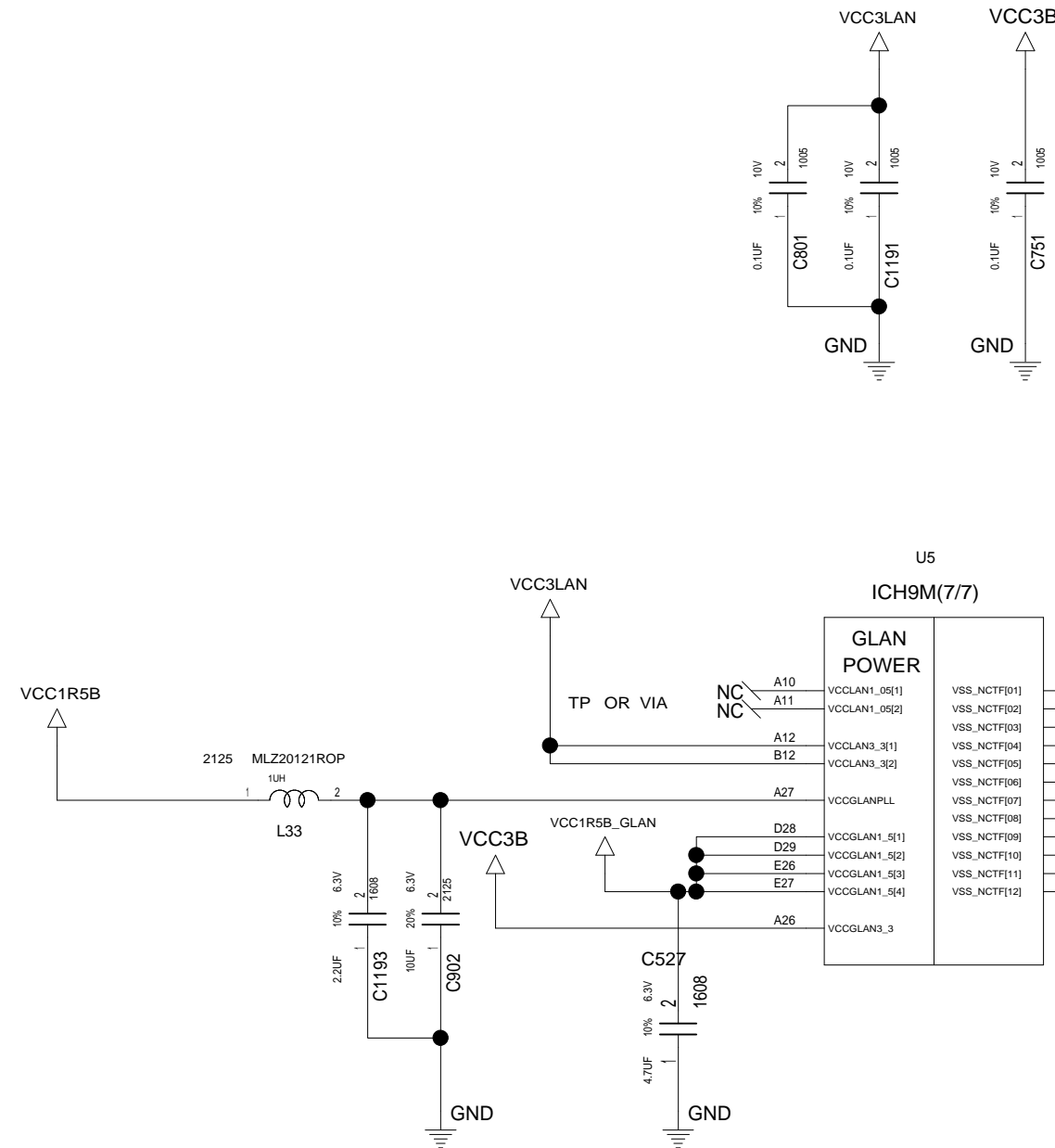
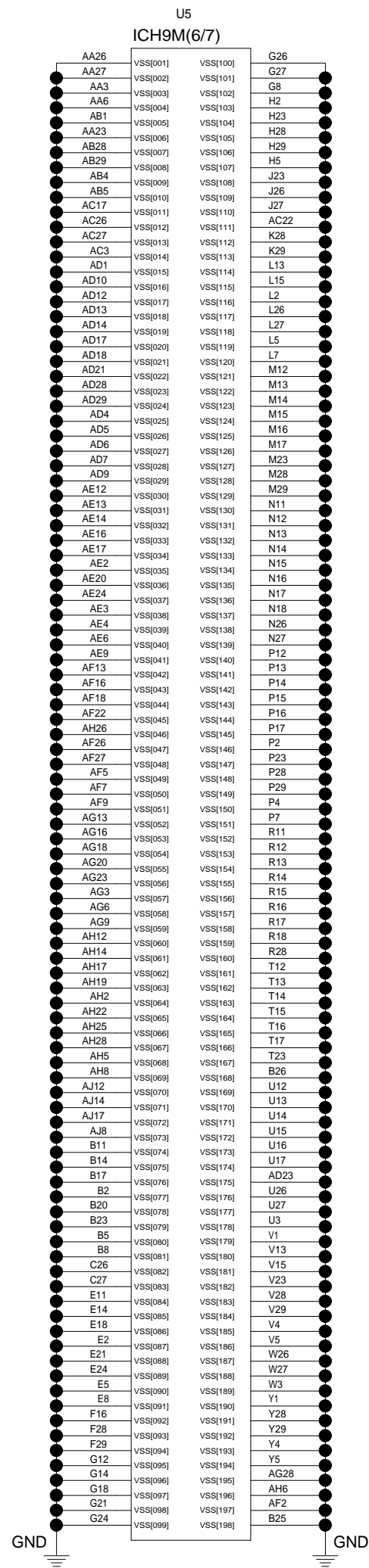
DESIGNER	Y.Y	09/28/07	PART NO. <b>VER.1.42</b>	
CHECKED	Y.I	09/28/07		
APPROVED	H.K	09/28/07		TITLE    MLB-3    EXT SDV
CLASS	H.K	09/28/07		ICH9-M(4/6):GPIO/CLK/PM
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.			<b>LENOVO CONFIDENTIAL</b>	



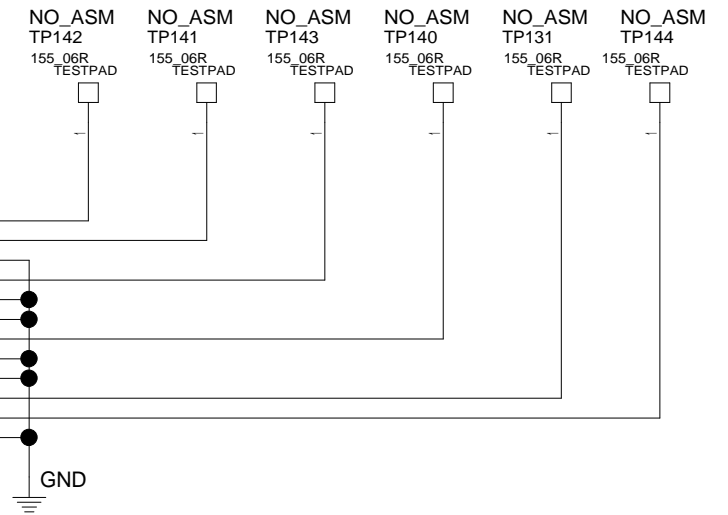
DATE		EC NO.		PART NO.	
REL				VER.1.42	
				DEVELOPMENT NO.	
				Q/M	
				37 / 101	

DESIGNER	Y.Y	09/28/07	PART NO.	
CHECKED	Y.I	09/28/07	VER.1.42	
APPROVED	H.K	09/28/07	TITLE MLB-3 EXT SDV	
CLASS	H.K	09/28/07	ICH9-M(5/6):POWER	
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.			LENOVO CONFIDENTIAL	

M		N		P		Q	
	DATE	EC NO.		PART NO.			
REL				VER.1.42			
				DEVELOPMENT NO.			Q/M
							38 / 101

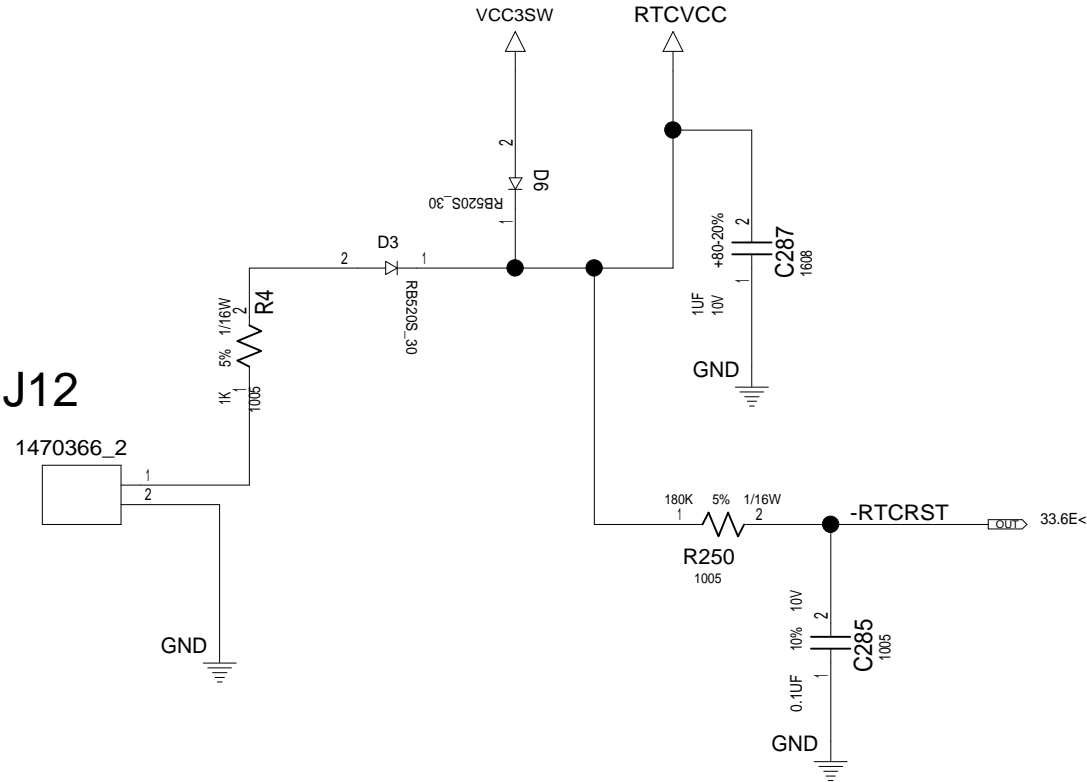


FOR SOLDER CRACK DETECTION



DESIGNER	Y.Y	09/28/07	PART NO. <b>VER.1.42</b>
CHECKED	Y.I	09/28/07	
APPROVED	H.K	09/28/07	TITLE    MLB-3    EXT    SDV
CLASS	H.K	09/28/07	ICH9-M(6/6):GND
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.			<b>LENOVO CONFIDENTIAL</b>

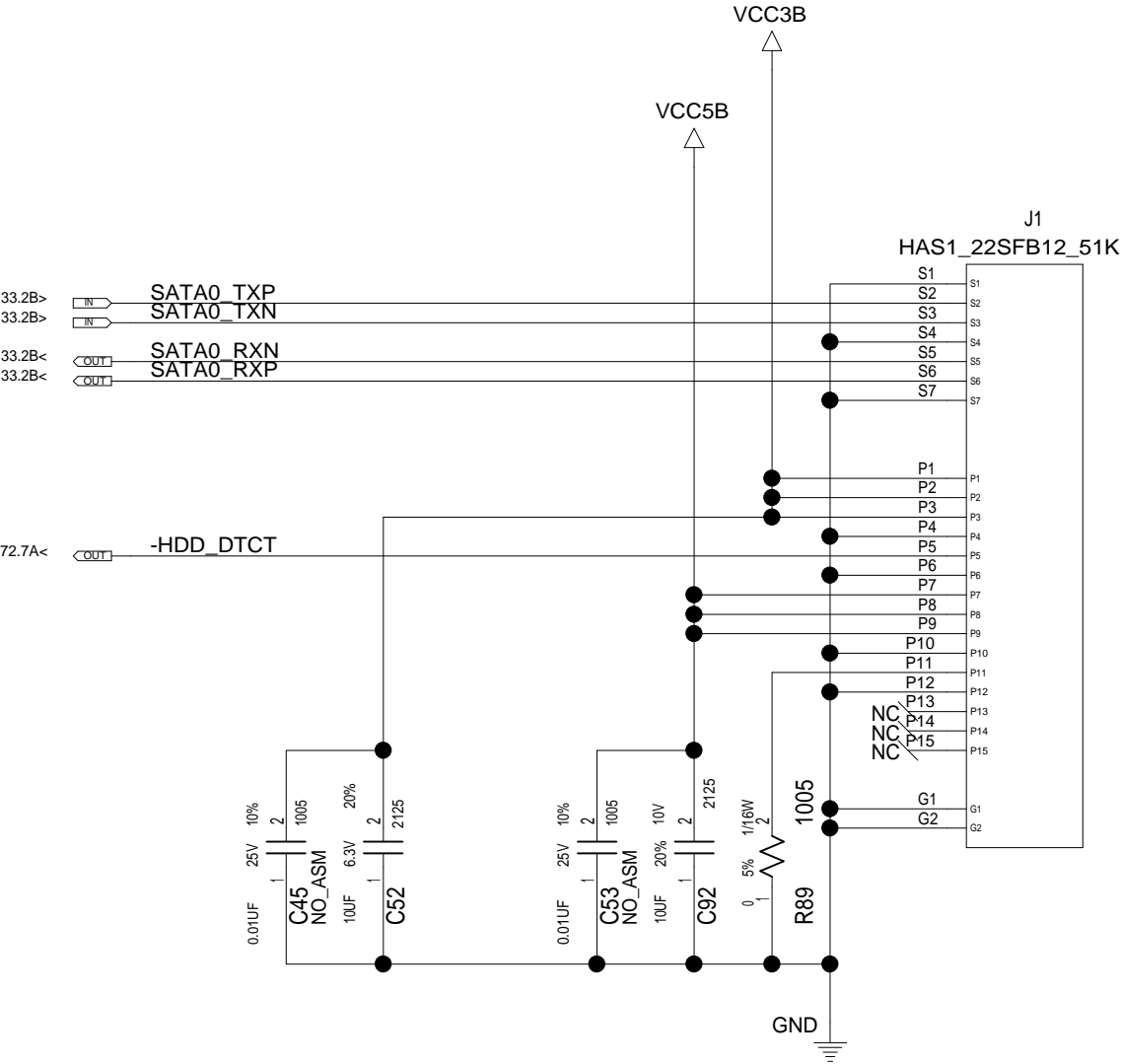
DATE		EC NO.	PART NO. VER.1.42	
REL				
			DEVELOPMENT NO.	Q/M
				39 / 101



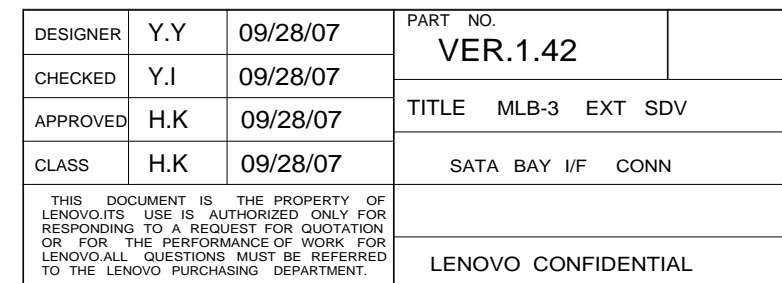
DESIGNER	Y.Y	09/28/07	PART NO. VER.1.42	
CHECKED	Y.I	09/28/07		
APPROVED	H.K	09/28/07	TITLE    MLB-3    EXT    SDV	
CLASS	H.K	09/28/07	RTC BATTERY	
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.				
			LENOVO CONFIDENTIAL	



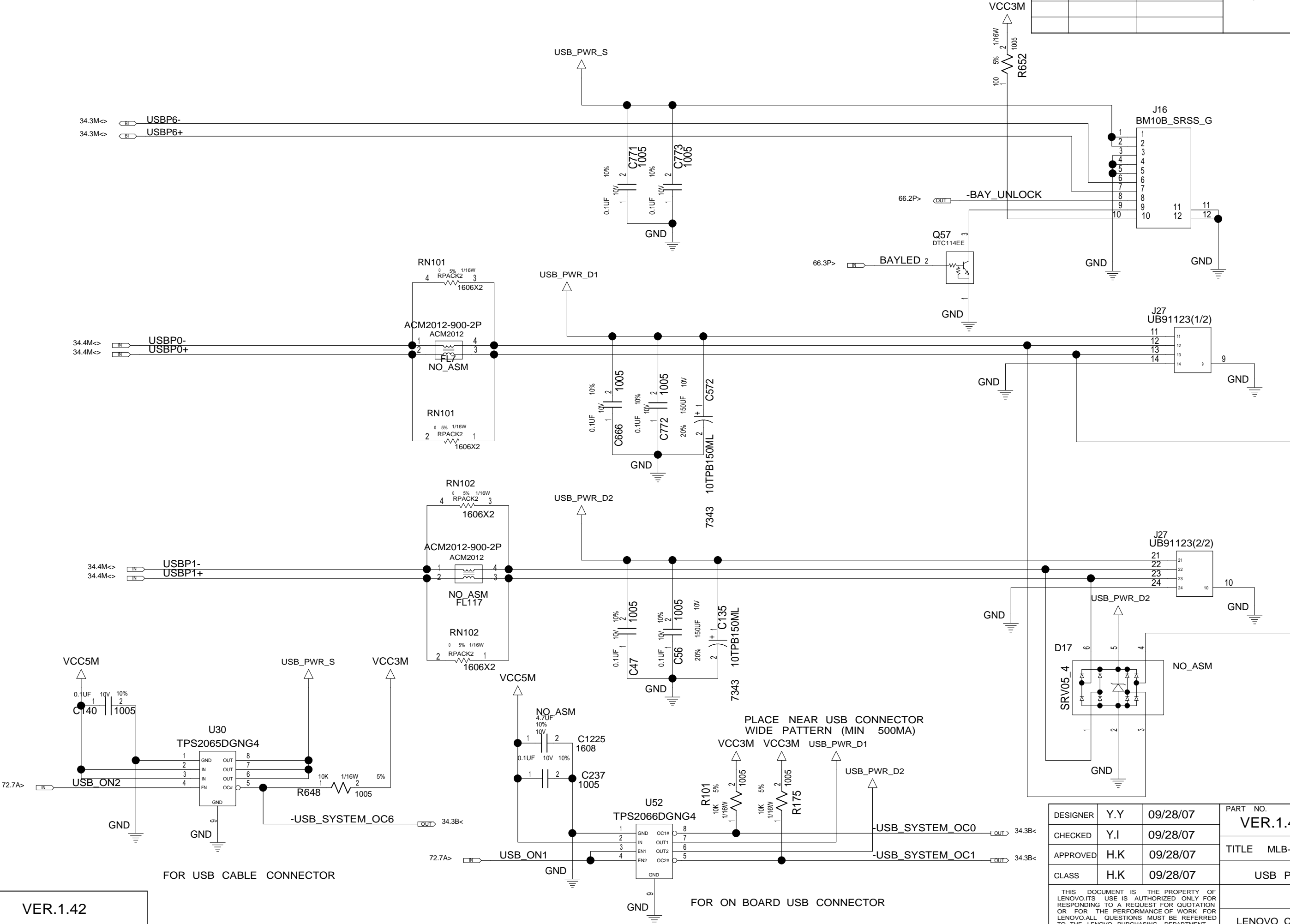
	DATE	EC NO.	PART NO.	
REL			VER.1.42	
			DEVELOPMENT NO.	Q/M
				40 / 101



DESIGNER	Y.Y	09/28/07	PART NO.	
CHECKED	Y.I	09/28/07	VER.1.42	
APPROVED	H.K	09/28/07	TITLE MLB-3 EXT SDV	
CLASS	H.K	09/28/07	SATA HDD CONN	
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.				
			LENOVO CONFIDENTIAL	



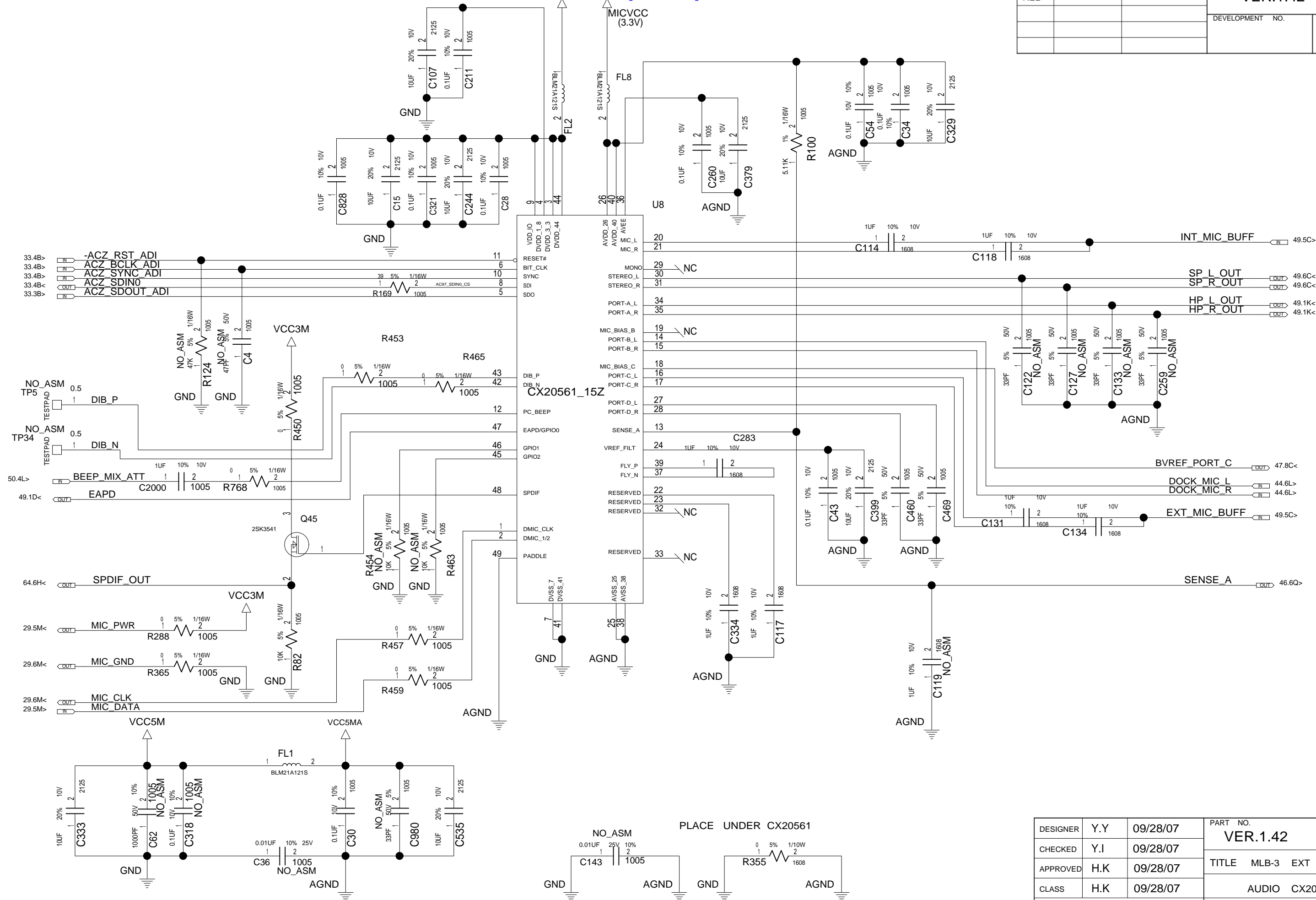
DATE		EC NO.	PART NO.	
REL			VER.1.42	
			DEVELOPMENT NO.	Q/M
				42 / 101



VER.1.42

DESIGNER	Y.Y	09/28/07	PART NO.	
CHECKED	Y.I	09/28/07	VER.1.42	
APPROVED	H.K	09/28/07	TITLE MLB-3 EXT SDV	
CLASS	H.K	09/28/07	USB POWER/CONN	
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.			LENOVO CONFIDENTIAL	

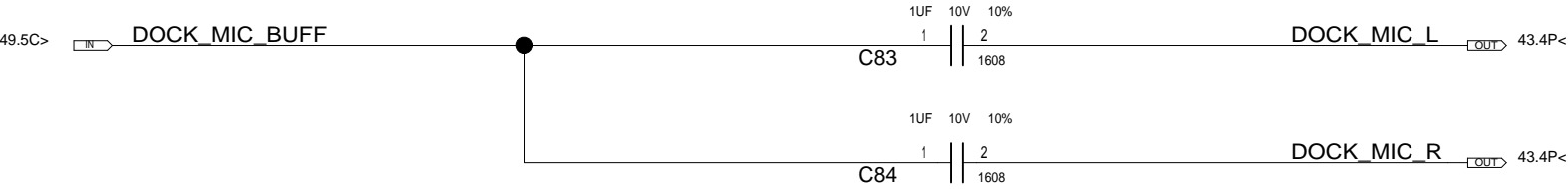
M		N		P		Q	
	DATE	EC NO.		PART NO.			
REL				VER.1.42			
				DEVELOPMENT NO.			Q/M
							43 / 101



VER.1.42

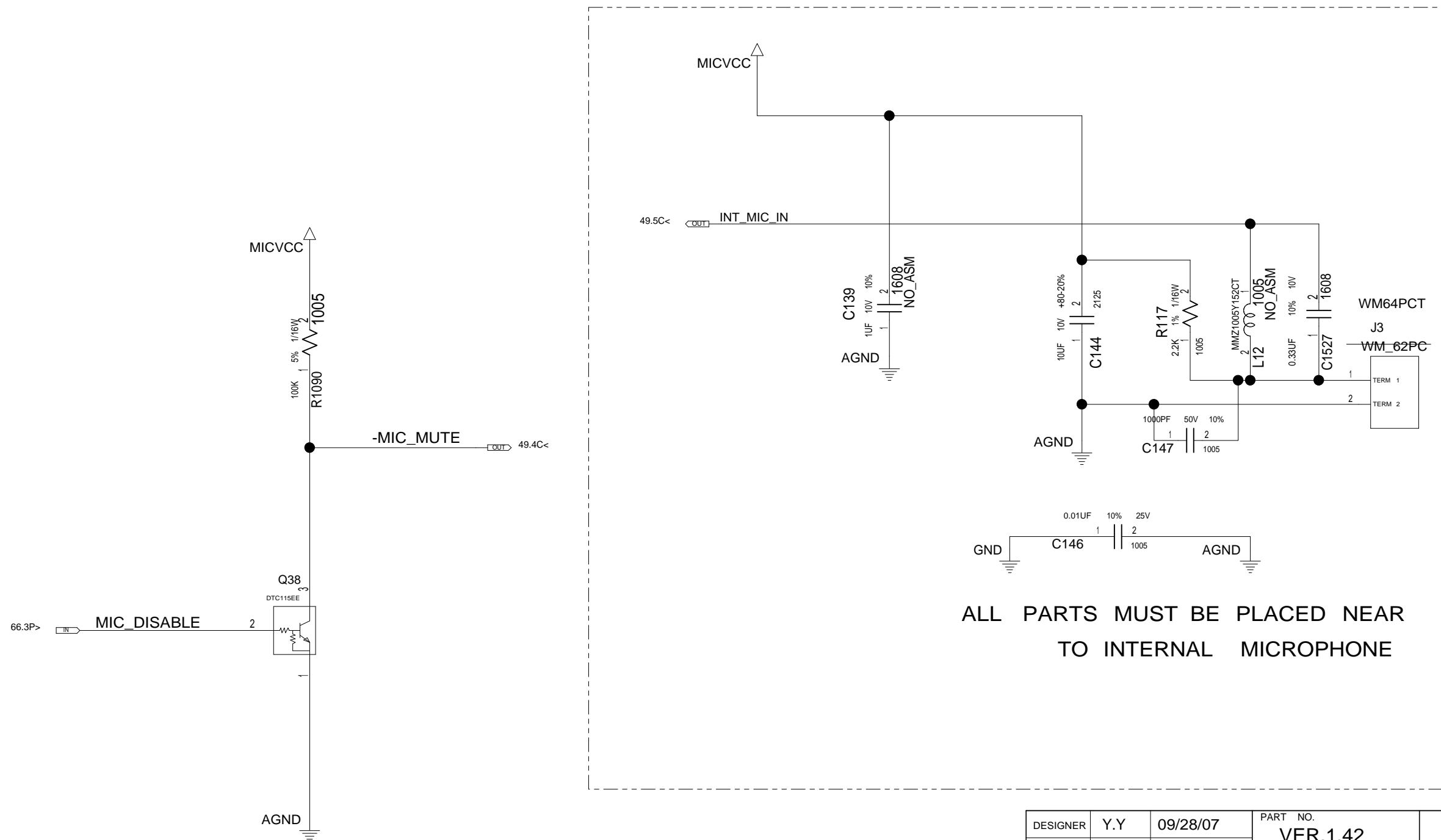
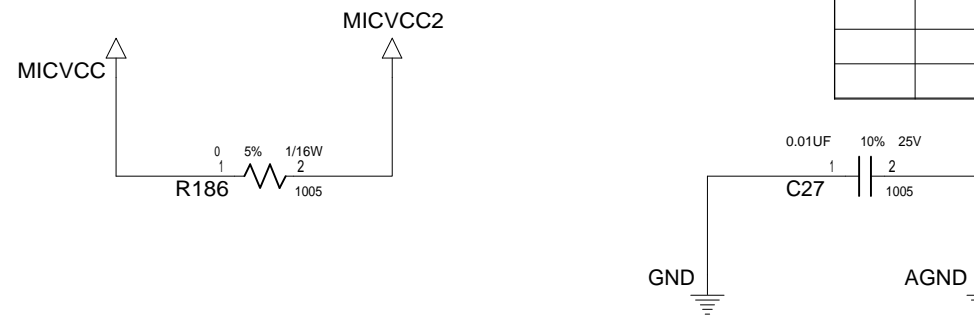
DESIGNER	Y.Y	09/28/07	PART NO. <b>VER.1.42</b>	
CHECKED	Y.I	09/28/07		
APPROVED	H.K	09/28/07	TITLE    MLB-3    EXT    SDV	
CLASS	H.K	09/28/07	AUDIO    CX20561	
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.			<b>LENOVO CONFIDENTIAL</b>	

	DATE	EC NO.	PART NO.	
REL			VER.1.42	
			DEVELOPMENT NO.	
			Q/M	
			44 / 101	



DESIGNER	Y.Y	09/28/07	PART NO.	
CHECKED	Y.I	09/28/07	VER.1.42	
APPROVED	H.K	09/28/07	TITLE MLB-3 EXT SDV	
CLASS	H.K	09/28/07	AUDIO MISC	
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.				
			LENOVO CONFIDENTIAL	



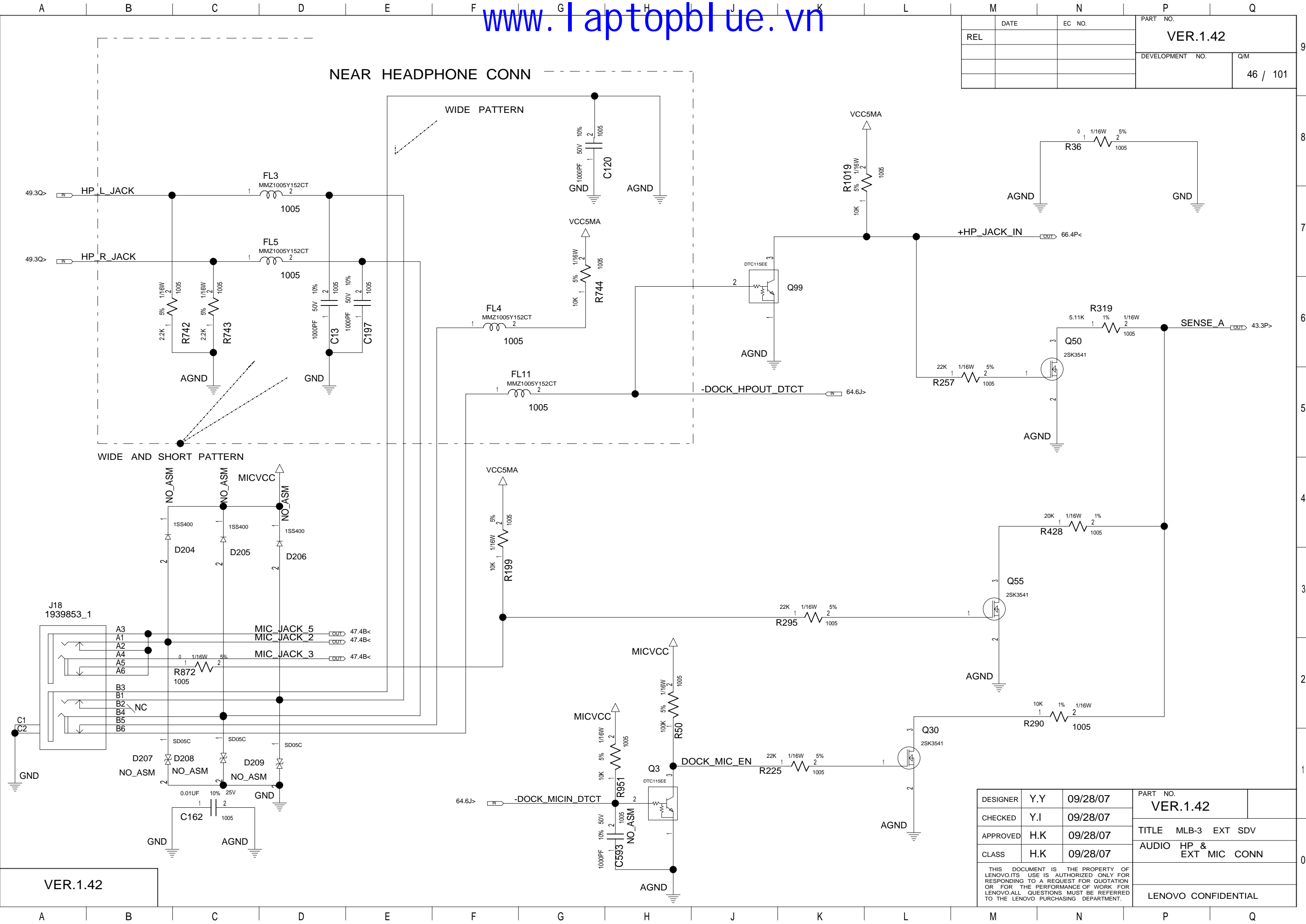


ALL PARTS MUST BE PLACED NEAR  
TO INTERNAL MICROPHONE

DESIGNER	Y.Y	09/28/07	PART NO. <b>VER.1.42</b>
CHECKED	Y.I	09/28/07	
APPROVED	H.K	09/28/07	TITLE    MLB-3    EXT    SDV
CLASS	H.K	09/28/07	AUDIO    INT    MIC
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.			LENOVO CONFIDENTIAL

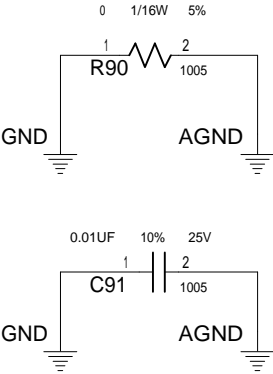
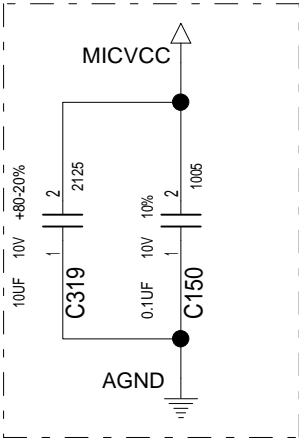
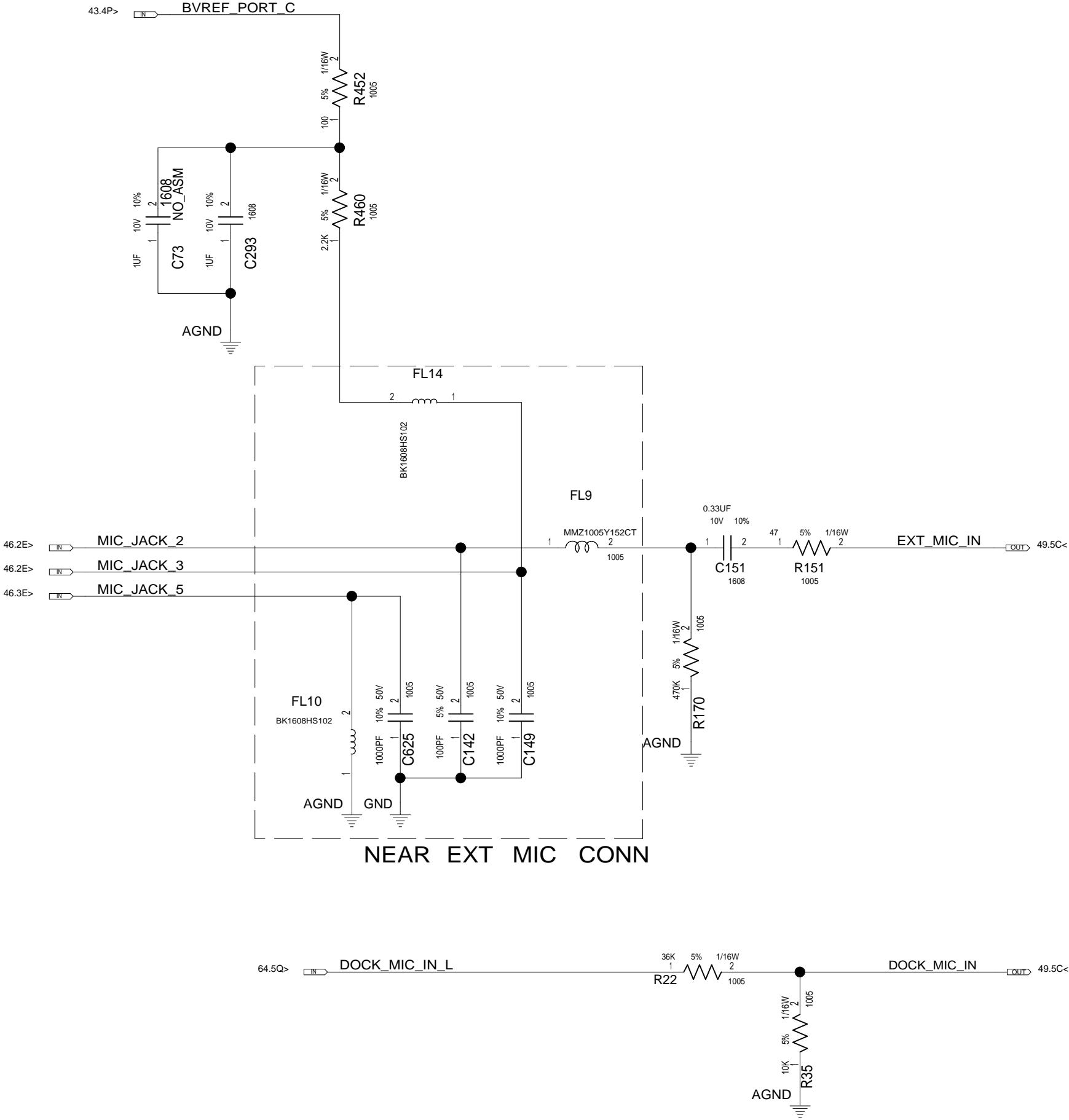
DATE		EC NO.	PART NO.	
REL			VER.1.42	
			DEVELOPMENT NO.	
			Q/M	
			46 / 101	

NEAR HEADPHONE CONN



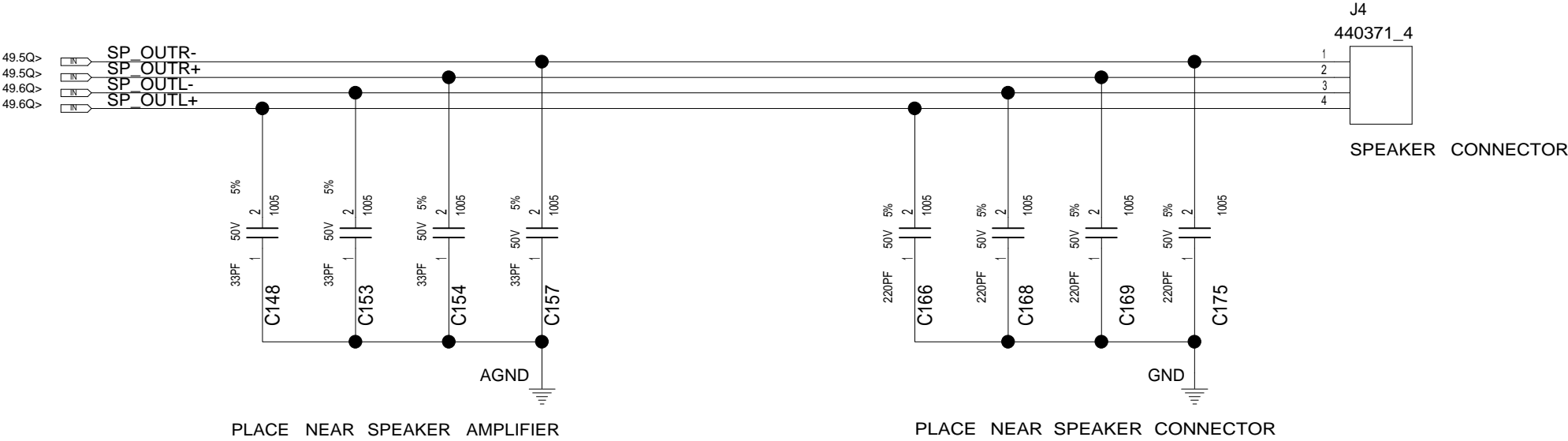
DESIGNER	Y.Y	09/28/07	PART NO.	
CHECKED	Y.I	09/28/07	VER.1.42	
APPROVED	H.K	09/28/07	TITLE MLB-3 EXT SDV	
CLASS	H.K	09/28/07	AUDIO HP & EXT MIC CONN	
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.			LENOVO CONFIDENTIAL	

	DATE	EC NO.	PART NO.	
REL			VER.1.42	
			DEVELOPMENT NO.	Q/M
				47 / 101



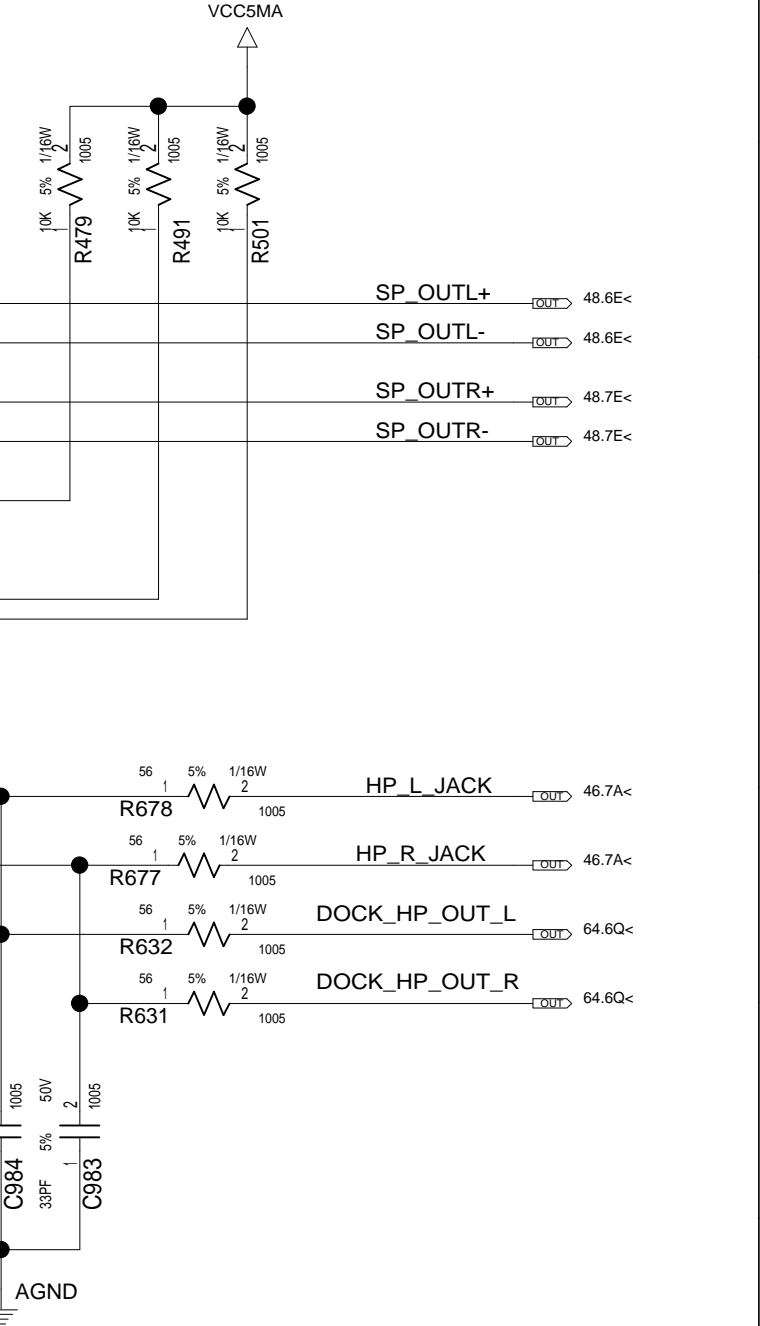
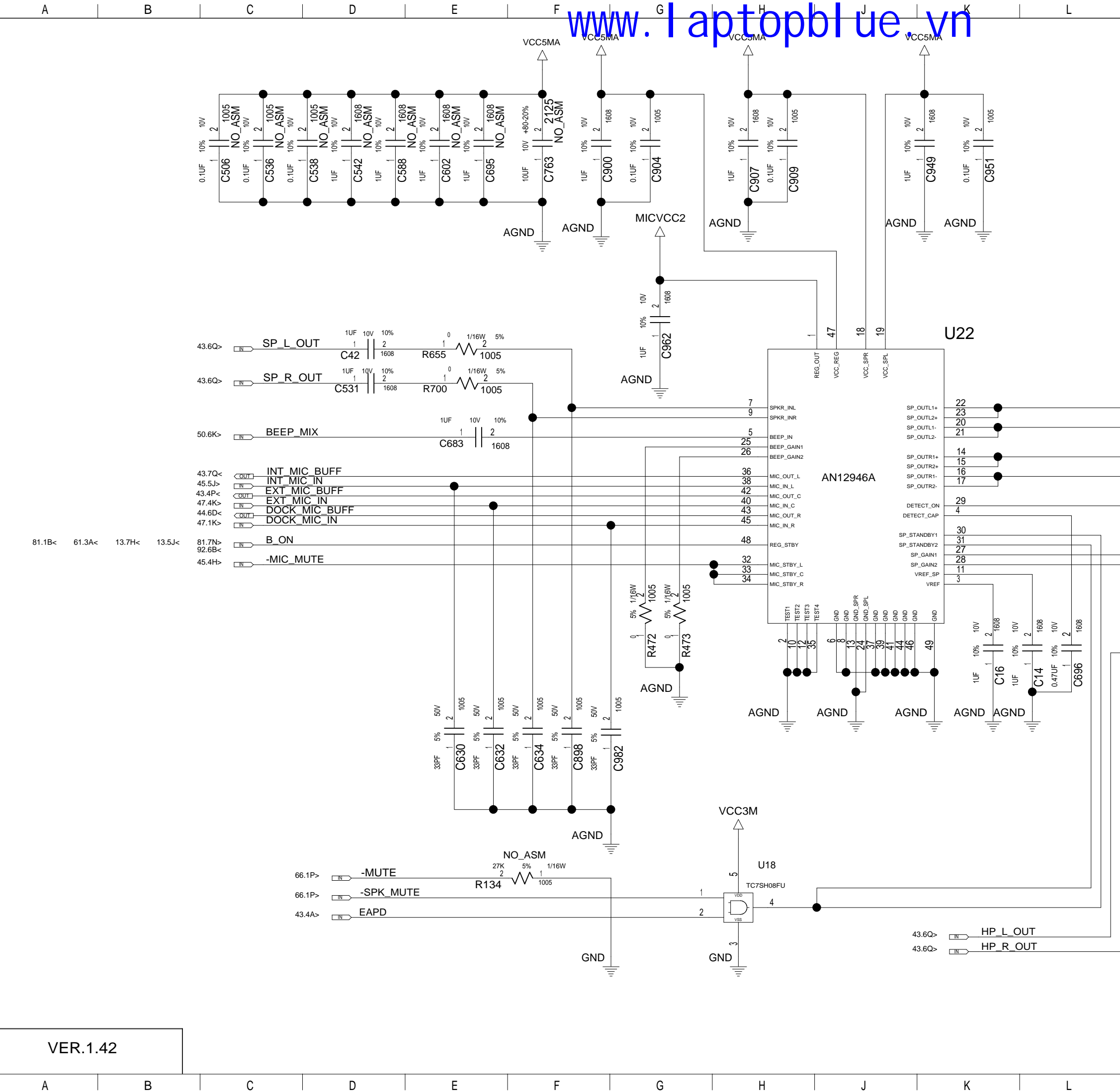
DESIGNER	Y.Y	09/28/07	PART NO.	
CHECKED	Y.I	09/28/07	VER.1.42	
APPROVED	H.K	09/28/07	TITLE   MLB-3   EXT SDV	
CLASS	H.K	09/28/07	AUDIO   EXT MIC AMP	
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.			LENOVO CONFIDENTIAL	

	DATE	EC NO.	PART NO.	
REL			VER.1.42	
			DEVELOPMENT NO.	Q/M
				48 / 101



DESIGNER	Y.Y	09/28/07	PART NO. <b>VER.1.42</b>	
CHECKED	Y.I	09/28/07		
APPROVED	H.K	09/28/07	TITLE MLB-3 EXT SDV	
CLASS	H.K	09/28/07	AUDIO SPEAKER	
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.				
			LENOVO CONFIDENTIAL	

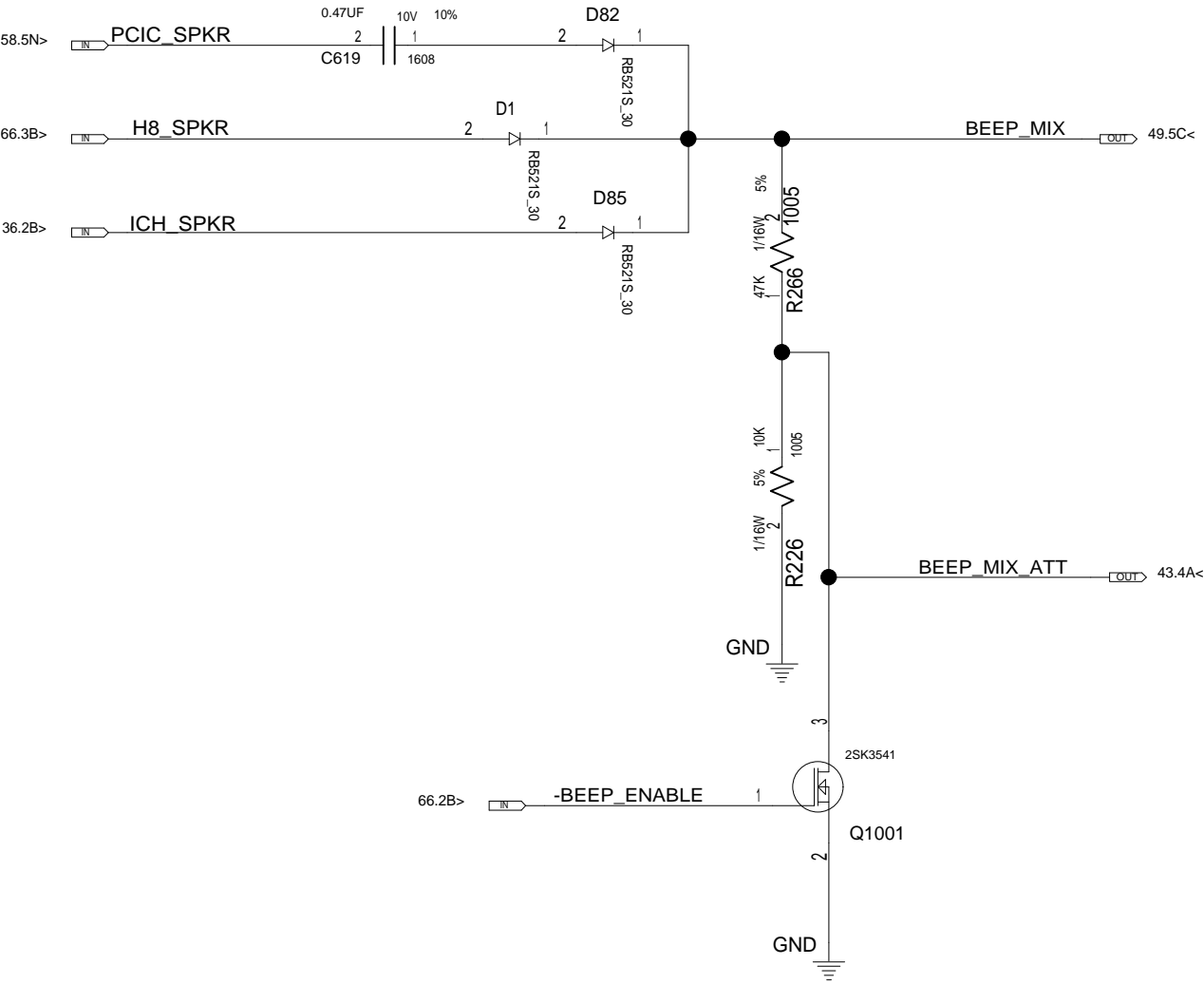
DATE		EC NO.	PART NO.	
REL			VER.1.42	
			DEVELOPMENT NO.	Q/M
			49 / 101	



DESIGNER	Y.Y	09/28/07	PART NO.	
CHECKED	Y.I	09/28/07	VER.1.42	
APPROVED	H.K	09/28/07	TITLE MLB-3 EXT SDV	
CLASS	H.K	09/28/07	AUDIO HDP AMP	
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.			LENOVO CONFIDENTIAL	

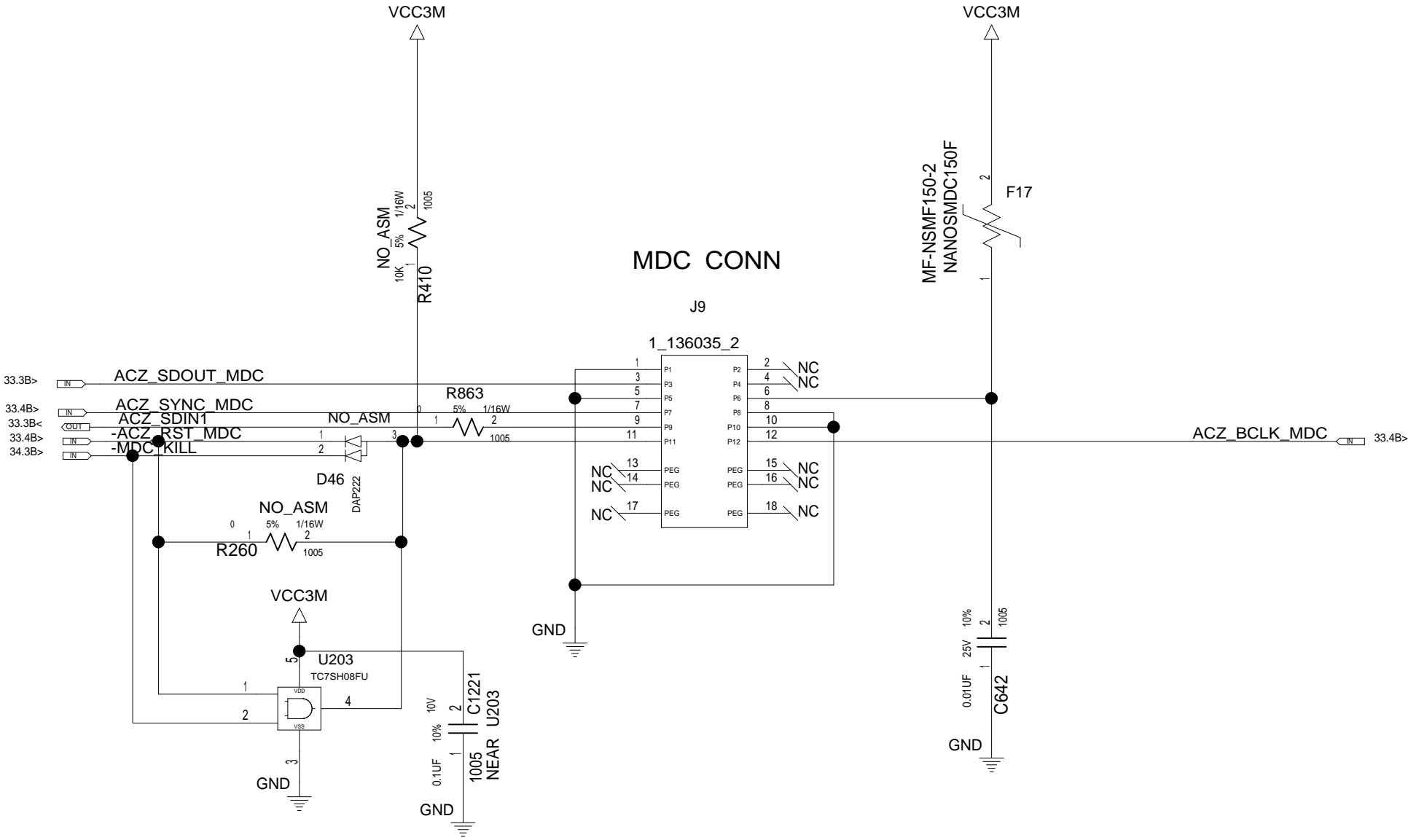


		DATE		EC NO.		PART NO.	
REL						VER.1.42	
						DEVELOPMENT NO.	
						Q/M	
						50 / 101	



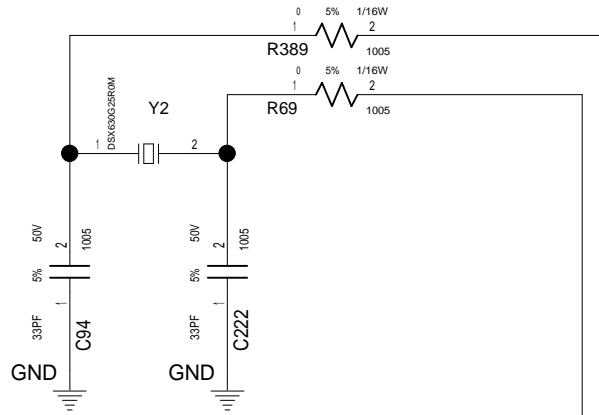
DESIGNER	Y.Y	09/28/07	PART NO.	
CHECKED	Y.I	09/28/07	VER.1.42	
APPROVED	H.K	09/28/07	TITLE MLB-3 EXT SDV	
CLASS	H.K	09/28/07	AUDIO BEEP	
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.				
			LENOVO CONFIDENTIAL	

DATE		EC NO.	PART NO.	
REL			VER.1.42	
			DEVELOPMENT NO.	
			Q/M	
			51 / 101	

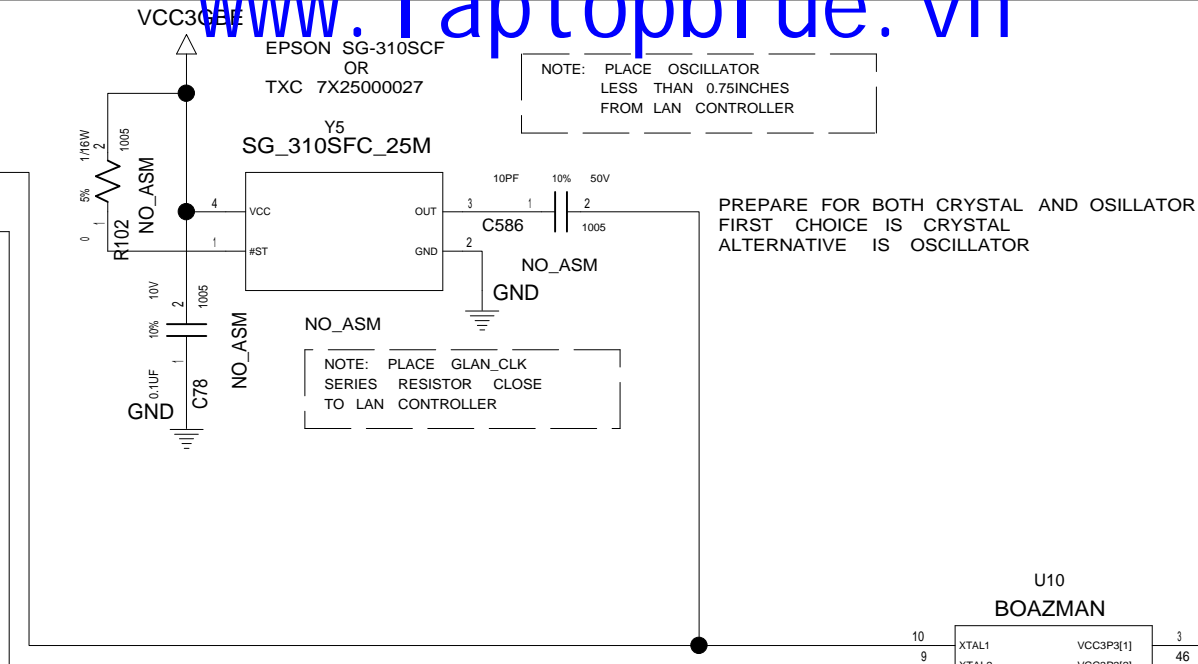


DESIGNER	Y.Y	09/28/07	PART NO.	
CHECKED	Y.I	09/28/07	VER.1.42	
APPROVED	H.K	09/28/07	TITLE MLB-3 EXT SDV	
CLASS	H.K	09/28/07	CDC CONNECTOR	
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.				
			LENOVO CONFIDENTIAL	

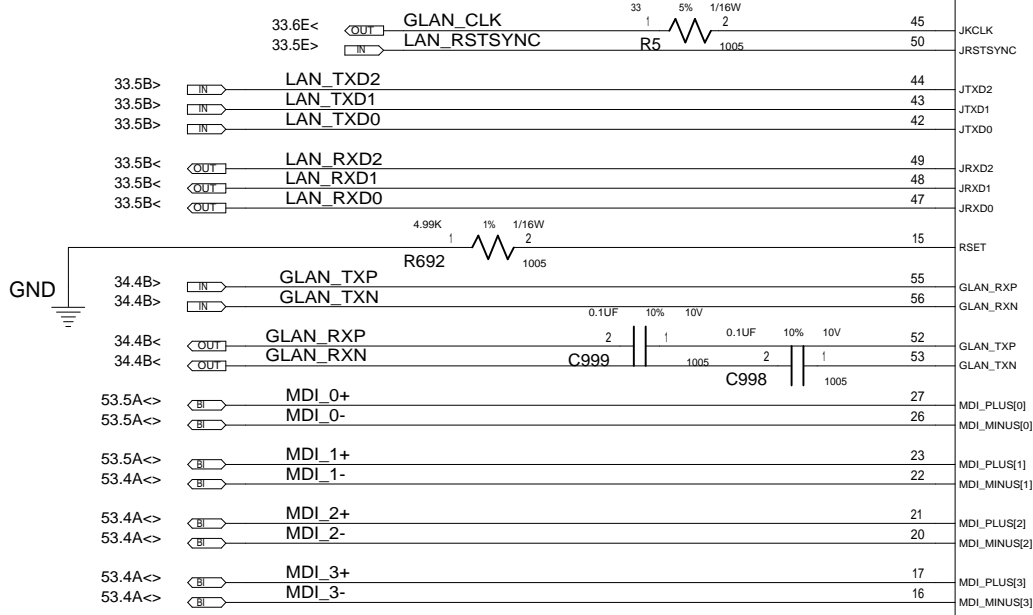
DATE		EC NO.	PART NO.	
REL			VER.1.42	
			DEVELOPMENT NO.	Q/M
				52 / 101



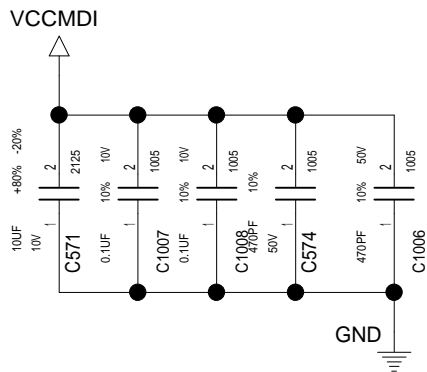
PLACE CRYSTAL LESS THAN 0.75 INCHES FROM GBE PHY



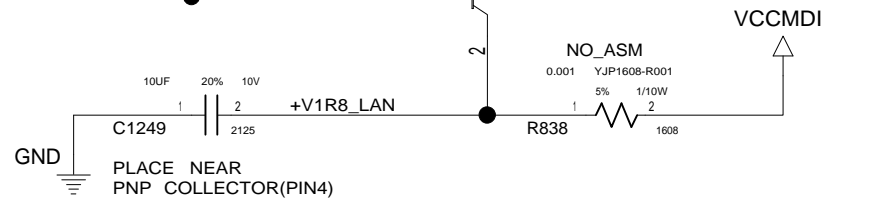
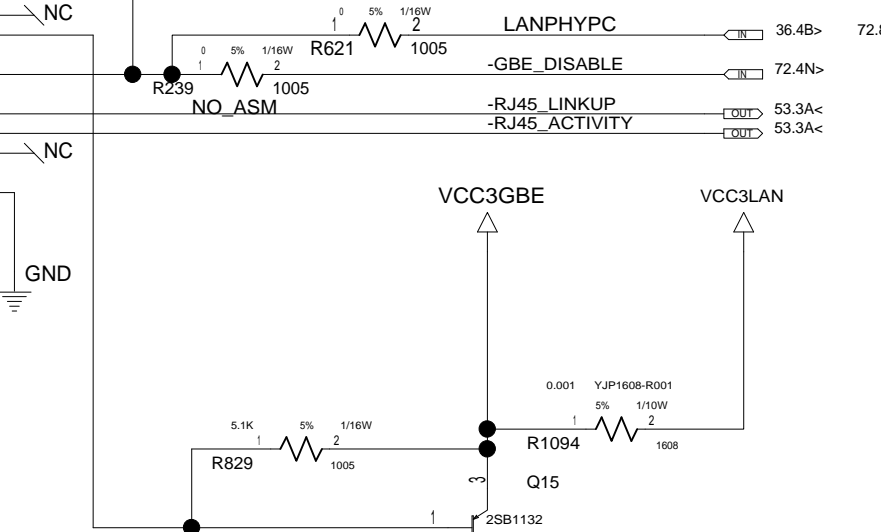
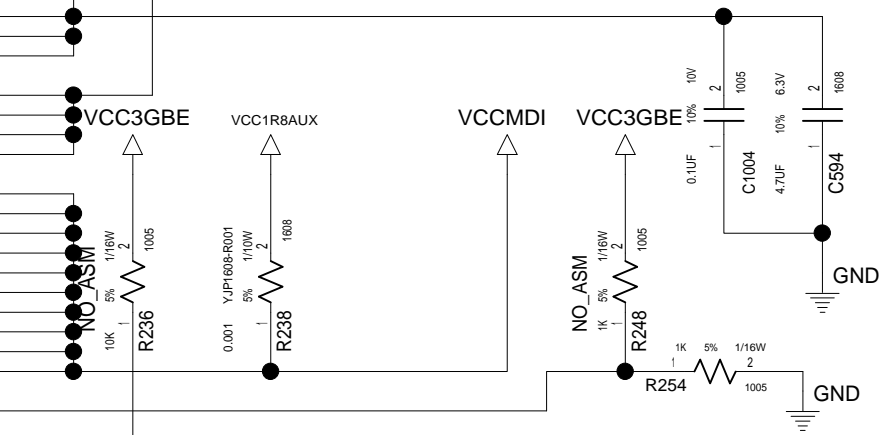
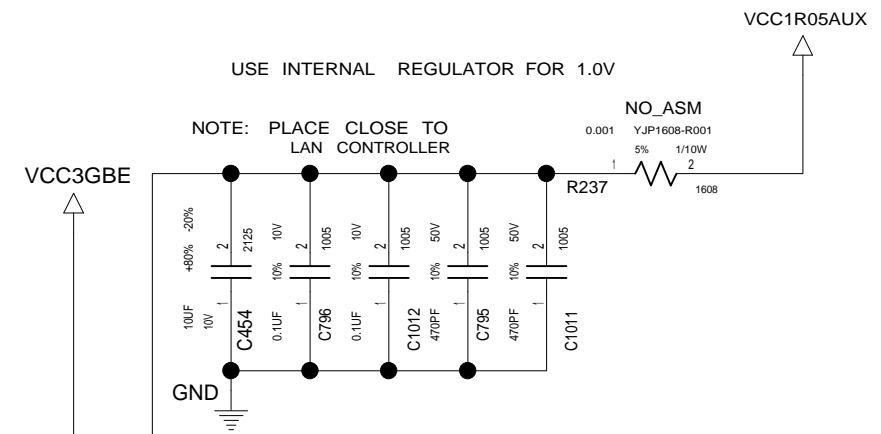
PREPARE FOR BOTH CRYSTAL AND OSILLATOR  
FIRST CHOICE IS CRYSTAL  
ALTERNATIVE IS OSCILLATOR



NOTE: KEEP THIS  
RESISTOR ON THE TOP SIDE



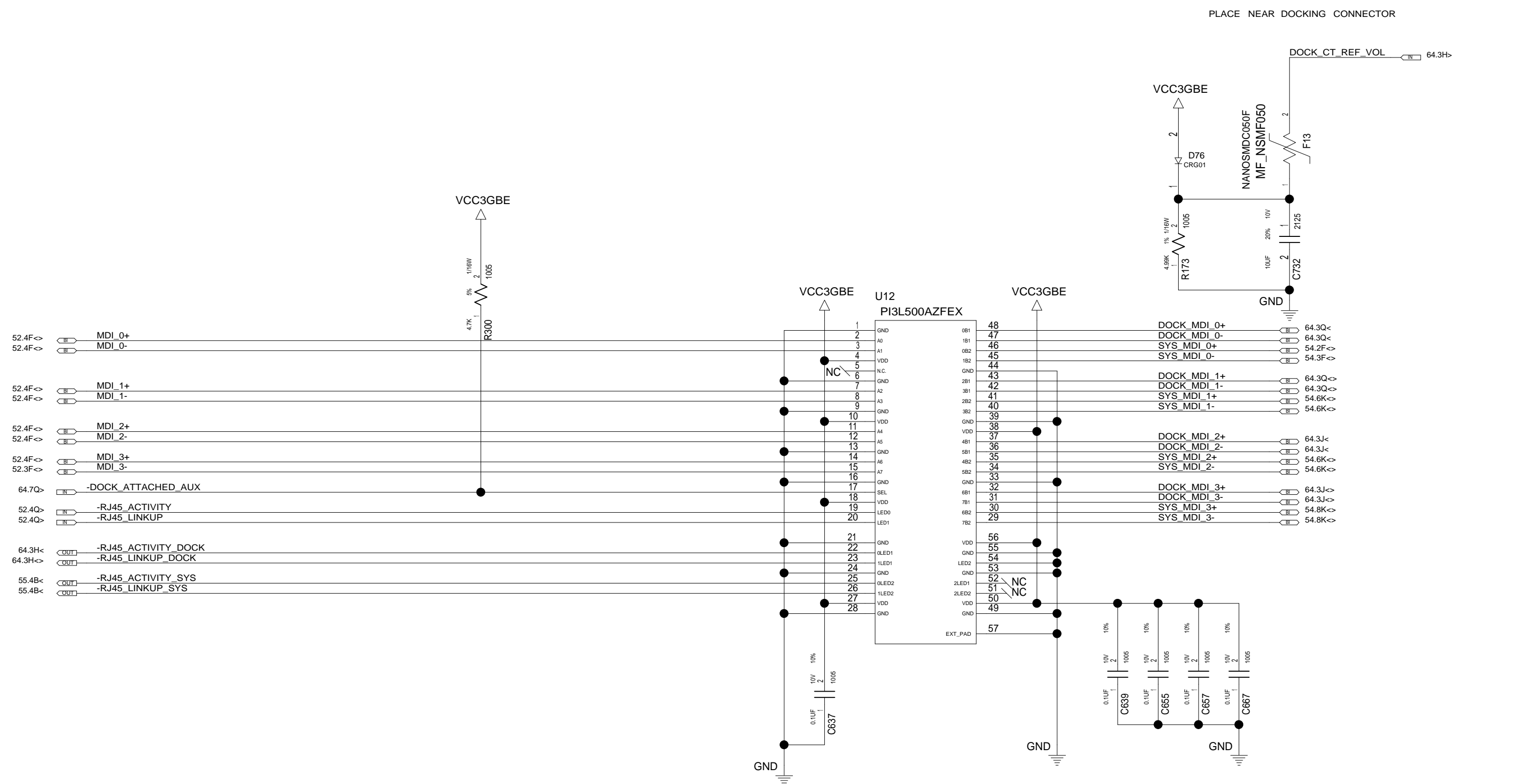
NOTE: PLACE CLOSE TO  
LAN CONTROLLER



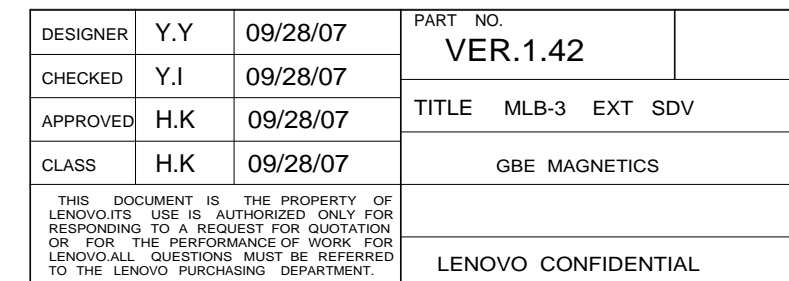
AFTER INTEL'S EVALUATION,WE WILL DESIDE TO USE  
VCC1R8AUX OR VCC2R5AUX.

DESIGNER	Y.Y	09/28/07	PART NO.	
CHECKED	Y.I	09/28/07	VER.1.42	
APPROVED	H.K	09/28/07	TITLE MLB-3 EXT SDV	
CLASS	H.K	09/28/07	GBE BOAZMAN	
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.			LENOVO CONFIDENTIAL	

DATE		EC NO.	PART NO.	
REL			VER.1.42	
			DEVELOPMENT NO.	Q/M
				53 / 101

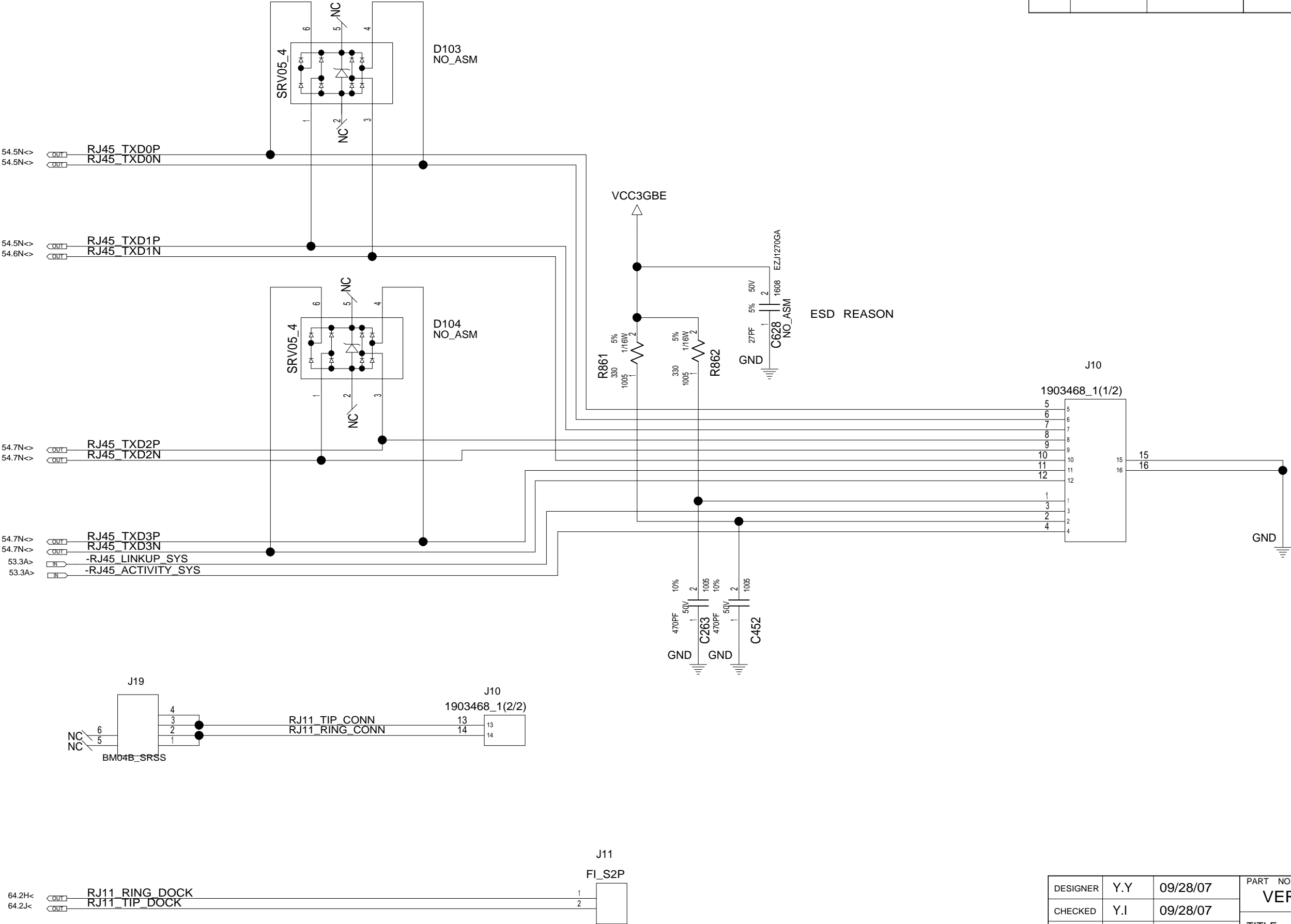


DESIGNER	Y.Y	09/28/07	PART NO.	
CHECKED	Y.I	09/28/07	VER.1.42	
APPROVED	H.K	09/28/07	TITLE MLB-3 EXT SDV	
CLASS	H.K	09/28/07	GBE LAN SWITCH	
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.			LENOVO CONFIDENTIAL	





	DATE	EC NO.	PART NO.	
REL			VER.1.42	
			DEVELOPMENT NO.	Q/M
				55 / 101



DESIGNER	Y.Y	09/28/07	PART NO.	
CHECKED	Y.I	09/28/07	VER.1.42	
APPROVED	H.K	09/28/07	TITLE MLB-3 EXT SDV	
CLASS	H.K	09/28/07	RJ11/RJ45 CONNECTOR	
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.			LENOVO CONFIDENTIAL	

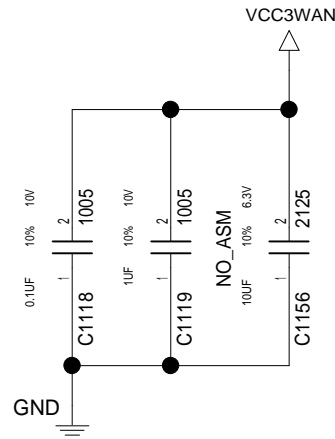
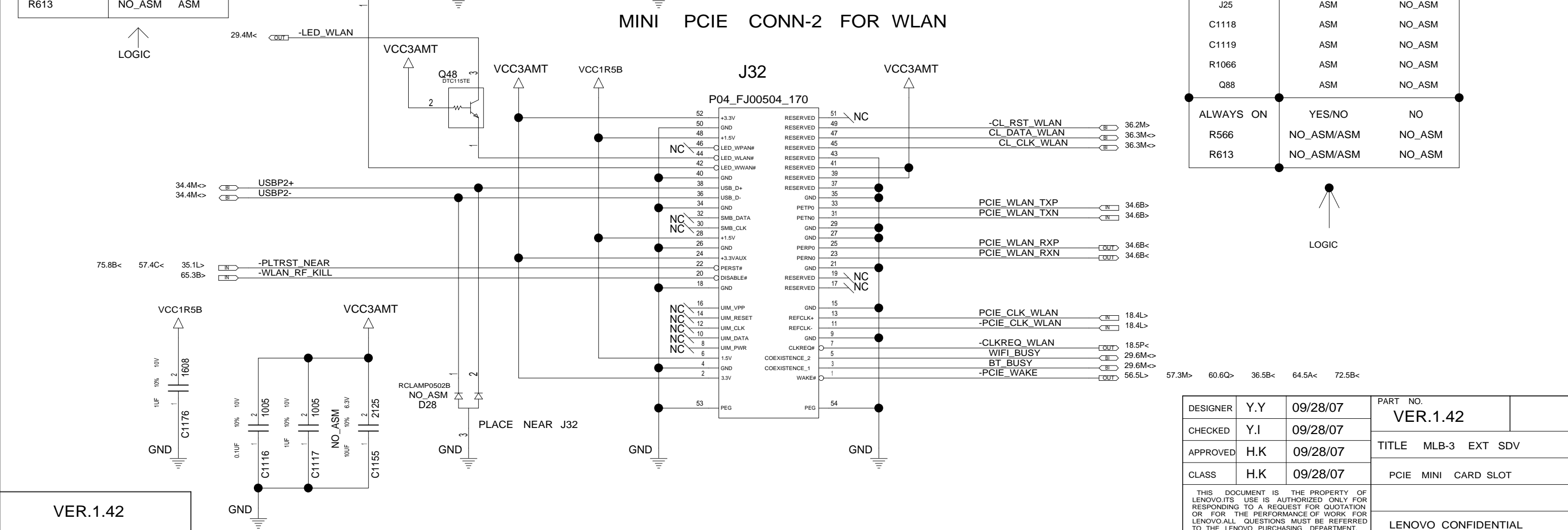
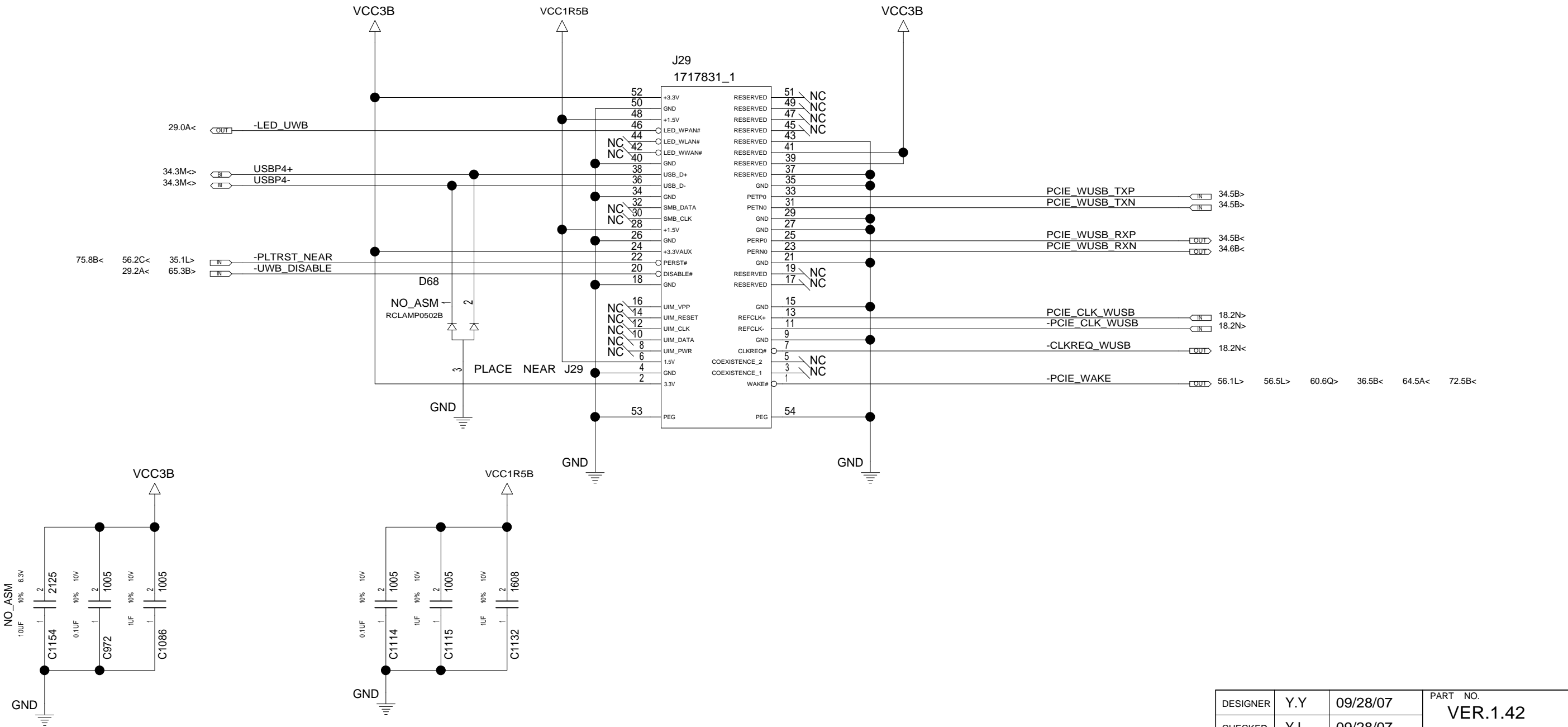


TABLE		
	W/WWAN	W/O WWAN
J22	ASM	NO_ASM
J25	ASM	NO_ASM
C1118	ASM	NO_ASM
C1119	ASM	NO_ASM
R1066	ASM	NO_ASM
Q88	ASM	NO_ASM
ALWAYS ON	YES/NO	NO
R566	NO_ASM/ASM	NO_ASM
R613	NO_ASM/ASM	NO_ASM

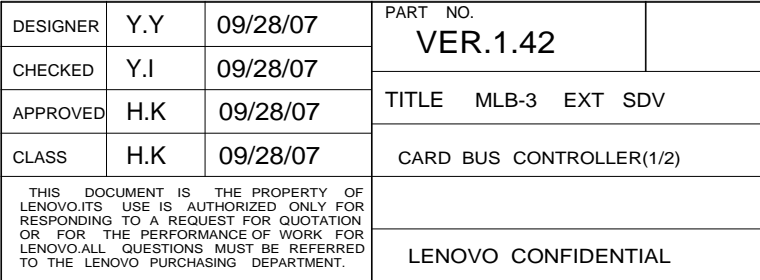


	DATE	EC NO.	PART NO.	
REL			VER.1.42	
			DEVELOPMENT NO.	
			Q/M	
			57 / 101	

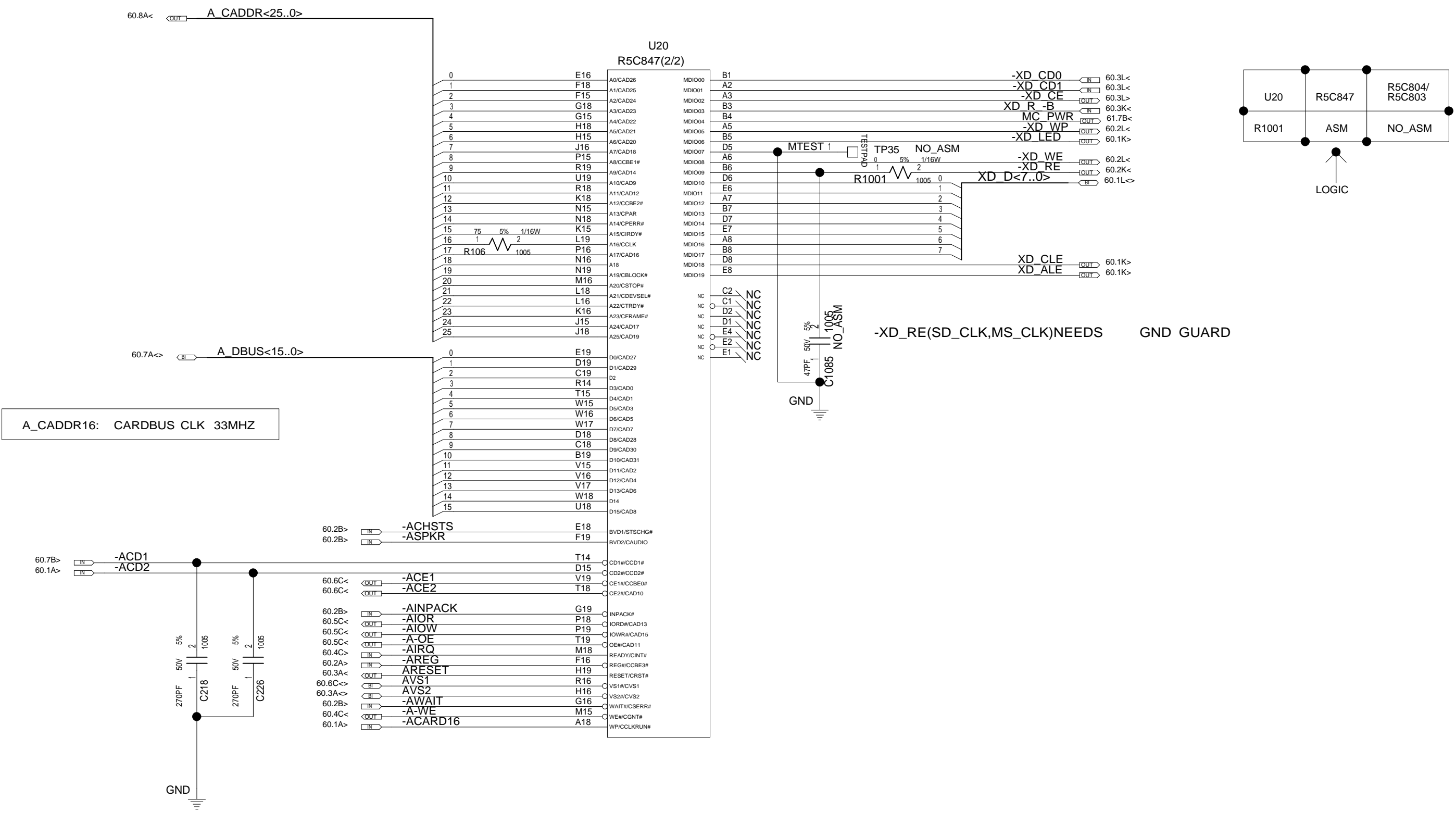
MICRO PCIE CONN



DESIGNER	Y.Y	09/28/07	PART NO.	
CHECKED	Y.I	09/28/07	VER.1.42	
APPROVED	H.K	09/28/07	TITLE MLB-3 EXT SDV	
CLASS	H.K	09/28/07	PCIE HALF MINI CARD SLOT	
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.				
			LENOVO CONFIDENTIAL	



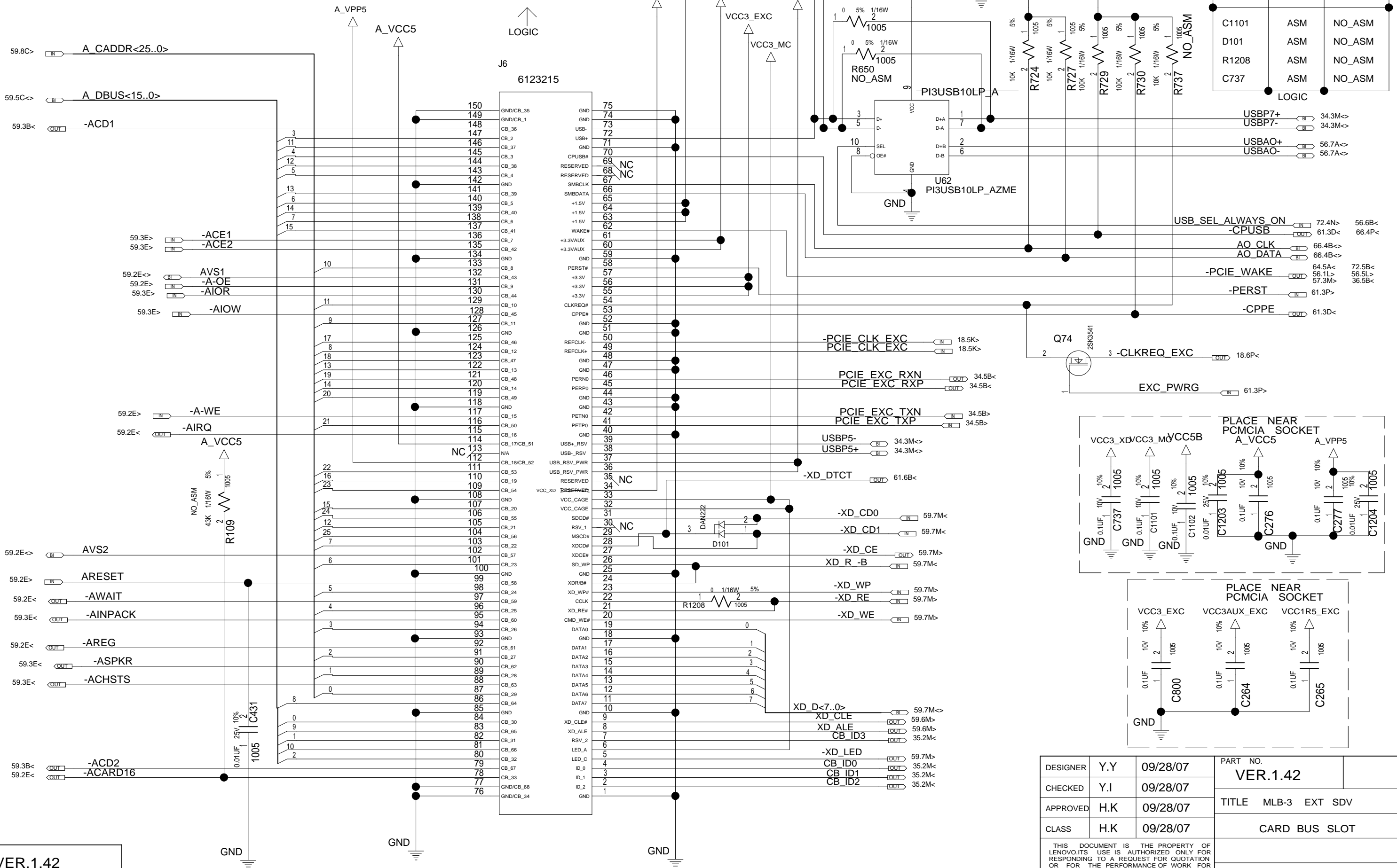
DATE		EC NO.	PART NO.	
REL			VER.1.42	
			DEVELOPMENT NO.	
			Q/M	
			59 / 101	



DESIGNER	Y.Y	09/28/07	PART NO.	
CHECKED	Y.I	09/28/07	VER.1.42	
APPROVED	H.K	09/28/07	TITLE MLB-3 EXT SDV	
CLASS	H.K	09/28/07	CARD BUS CONTROLLER(2/2)	
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.			LENOVO CONFIDENTIAL	

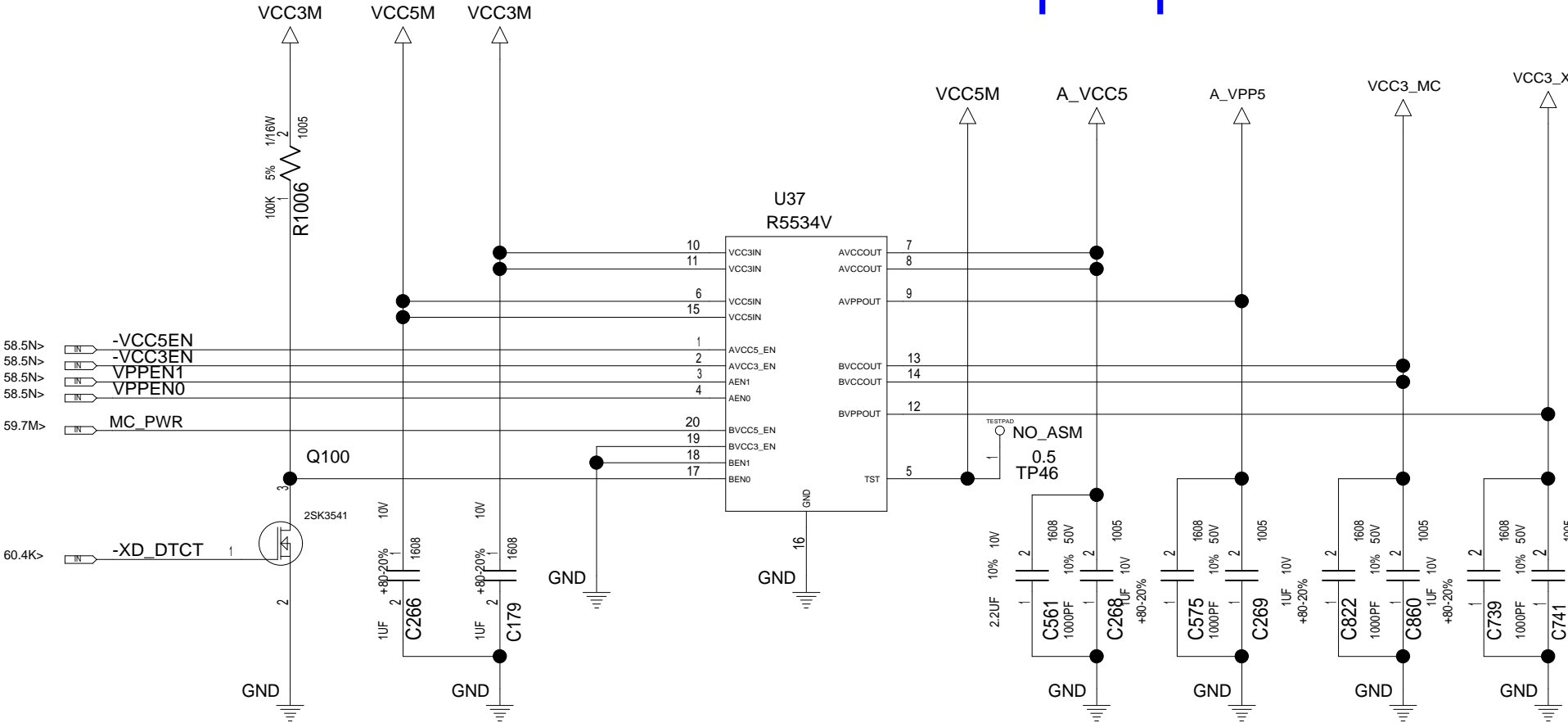
ALWAYS ON	YES	NO
U62	ASM	NO_ASM
R614	NO_ASM	ASM
R650	NO_ASM	ASM

	DATE	EC NO.	PART NO.  VER.1.42	
REL				
			DEVELOPMENT NO.	Q/M
				60 / 101





DATE		EC NO.	PART NO.	
REL			VER.1.42	
			DEVELOPMENT NO.	
			Q/M	
			61 / 101	



U20	R5C847	R5C804/ R5C803
C822	ASM	NO_ASM
C860	ASM	NO_ASM
C739	ASM	NO_ASM
C741	ASM	NO_ASM
LOGIC		

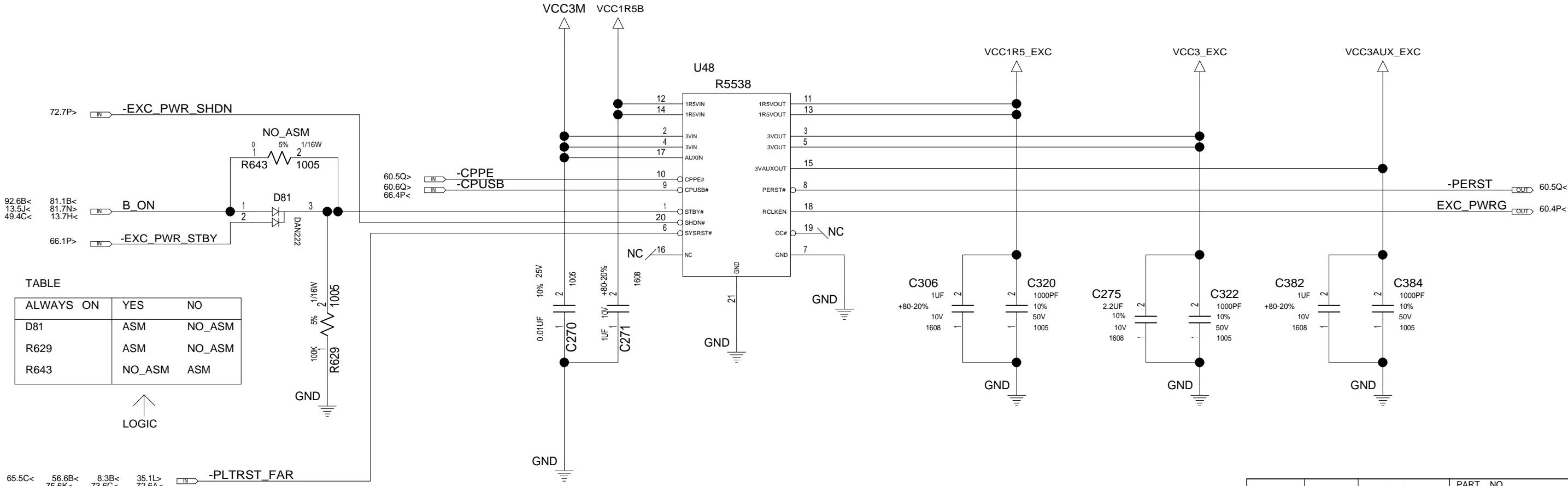


TABLE		
ALWAYS ON	YES	NO
D81	ASM	NO_ASM
R629	ASM	NO_ASM
R643	NO_ASM	ASM

DESIGNER	Y.Y	09/28/07	PART NO.	
CHECKED	Y.I	09/28/07	VER.1.42	
APPROVED	H.K	09/28/07	TITLE   MLB-3   EXT SDV	
CLASS	H.K	09/28/07	CARD BUS POWER CONTROL	
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.			LENOVO CONFIDENTIAL	

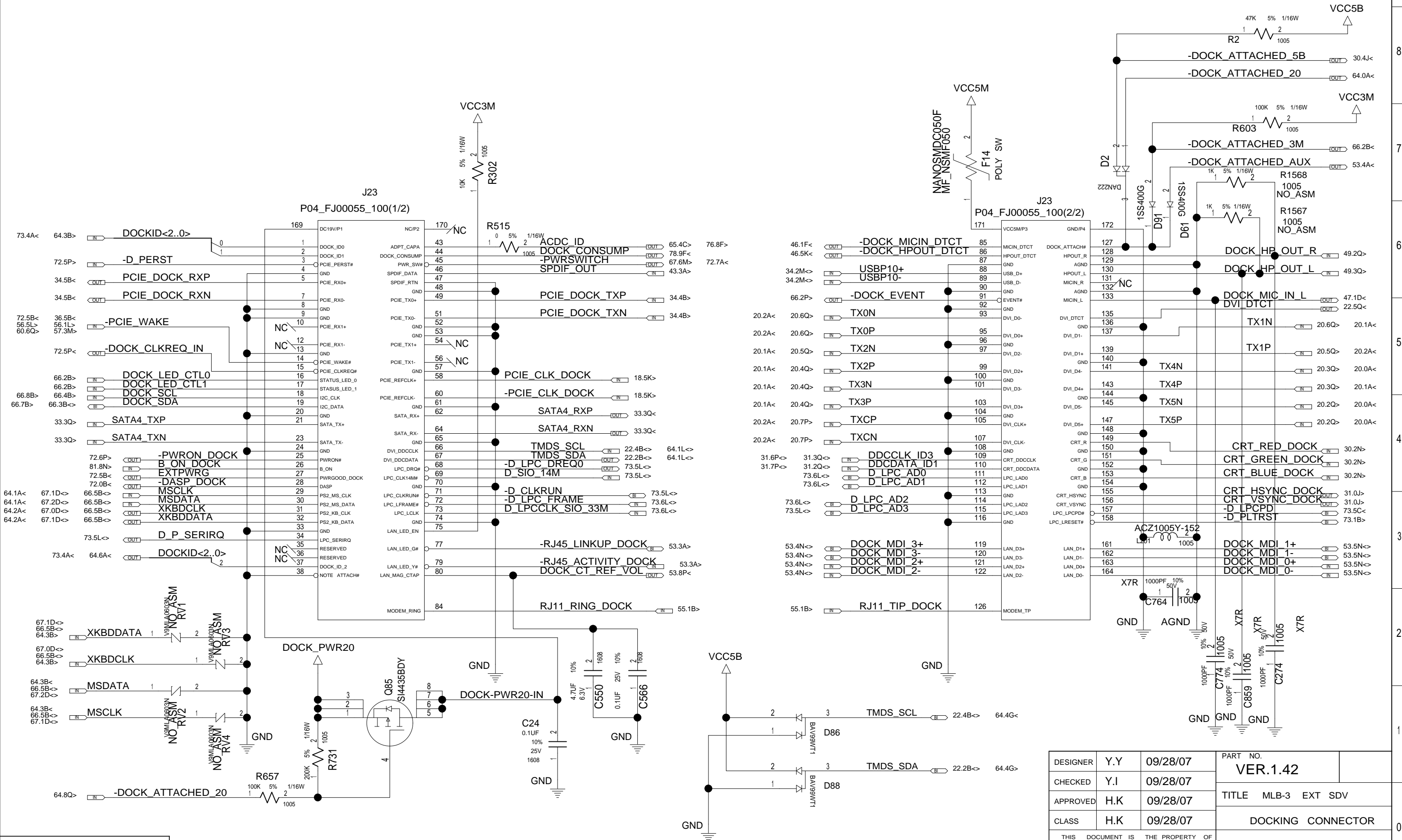
	DATE	EC NO.	PART NO.	<div>VER.1.42</div> <div>DEVELOPMENT NO. Q/M</div> <div>62 / 101</div>
REL				

# BLANK

DESIGNER	Y.Y	09/28/07	PART NO. <b>VER.1.42</b>
CHECKED	Y.I	09/28/07	
APPROVED	H.K	09/28/07	TITLE    MLB-3    EXT    SDV
CLASS	H.K	09/28/07	BLANK
THIS DOCUMENT IS THE PROPERTY OF LENOVO/ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.			LENOVO CONFIDENTIAL

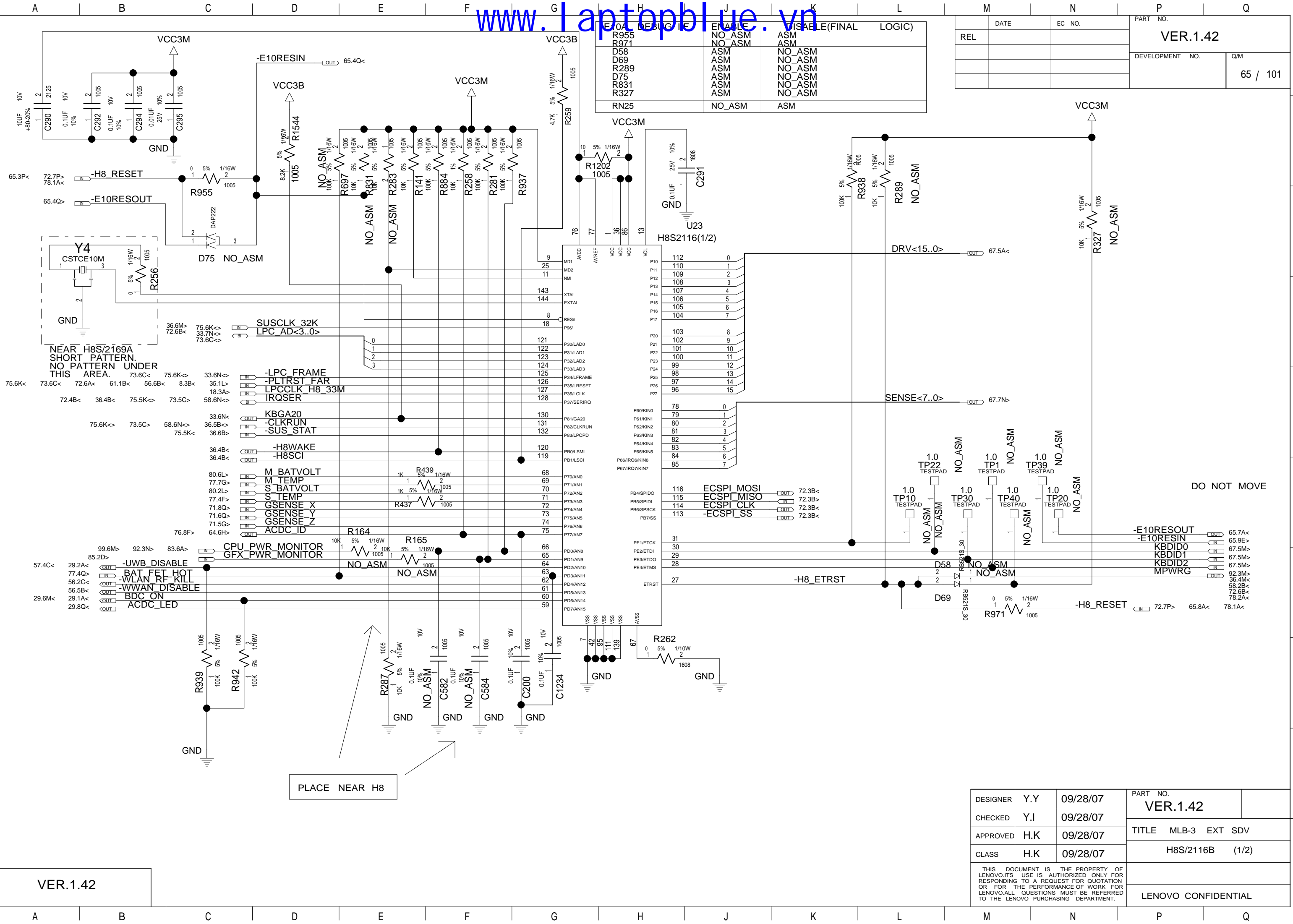


DATE		EC NO.	PART NO.	
REL			VER.1.42	
			DEVELOPMENT NO.	Q/M
				64 / 101



VER.1.42

DESIGNER	Y.Y	09/28/07	PART NO.	
CHECKED	Y.I	09/28/07	VER.1.42	
APPROVED	H.K	09/28/07	TITLE MLB-3 EXT SDV	
CLASS	H.K	09/28/07	DOCKING CONNECTOR	
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.			LENOVO CONFIDENTIAL	



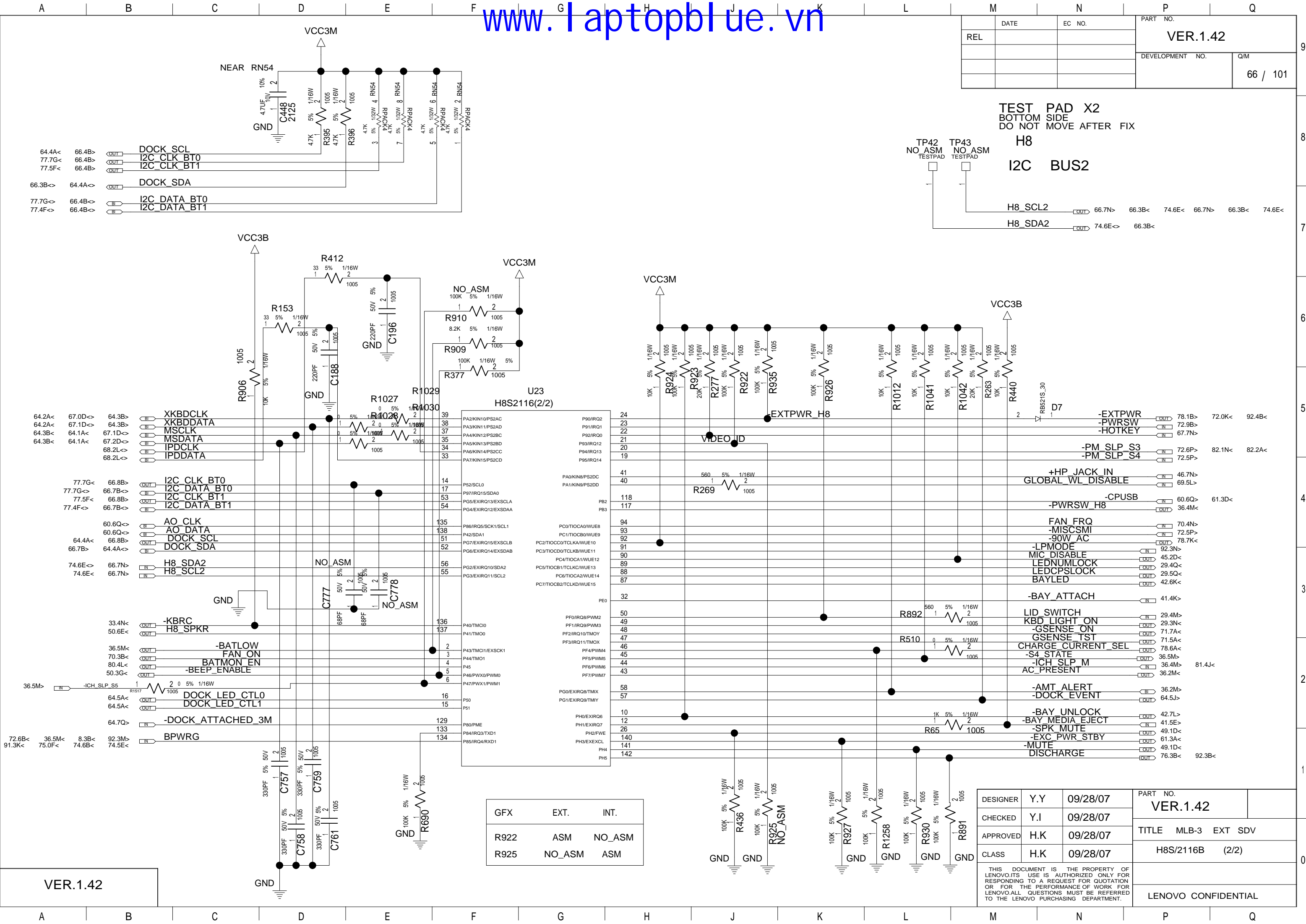
DATE		EC NO.	PART NO.	
REL			VER.1.42	
			DEVELOPMENT NO.	
			Q/M	
			66 / 101	

TEST PAD X2  
BOTTOM SIDE  
DO NOT MOVE AFTER FIX

H8  
I2C BUS2

H8\_SCL2  
H8\_SDA2

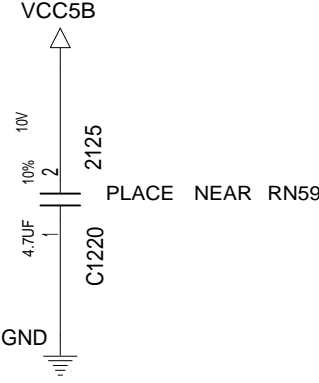
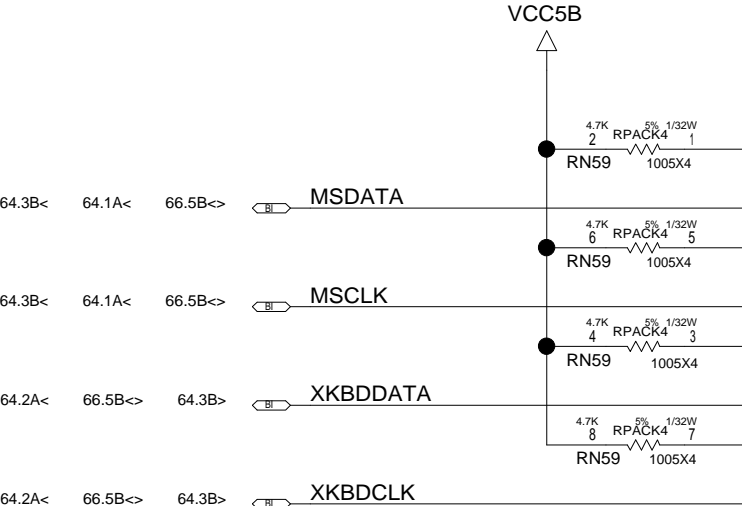
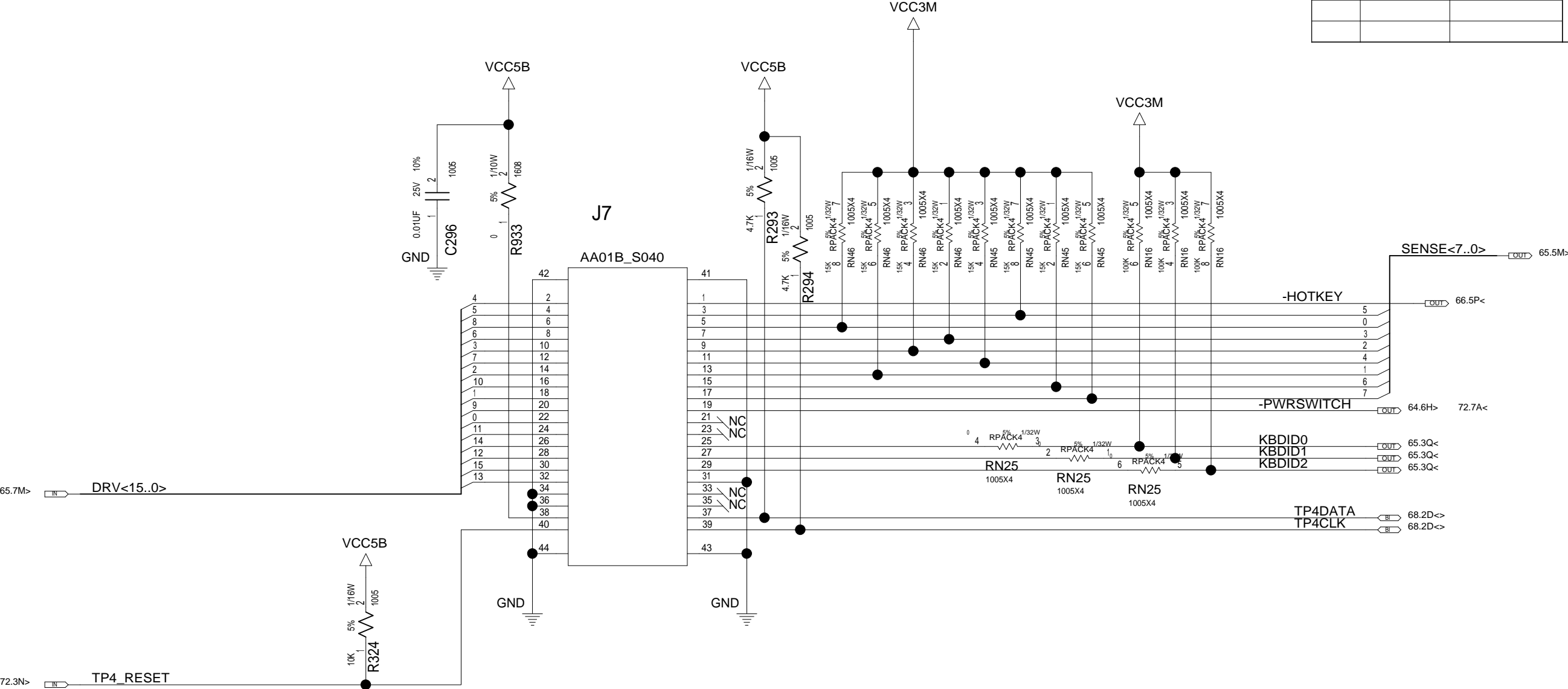
DESIGNER	Y.Y	09/28/07	PART NO.	
CHECKED	Y.I	09/28/07	VER.1.42	
APPROVED	H.K	09/28/07	TITLE MLB-3 EXT SDV	
CLASS	H.K	09/28/07	H8S/2116B (2/2)	
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.			LENOVO CONFIDENTIAL	



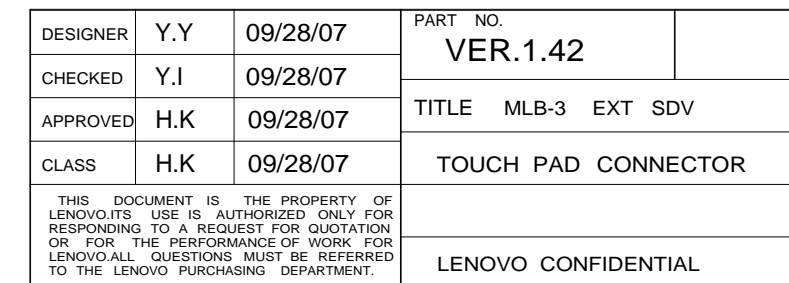
GFX	EXT.	INT.
R922	ASM	NO_ASM
R925	NO_ASM	ASM



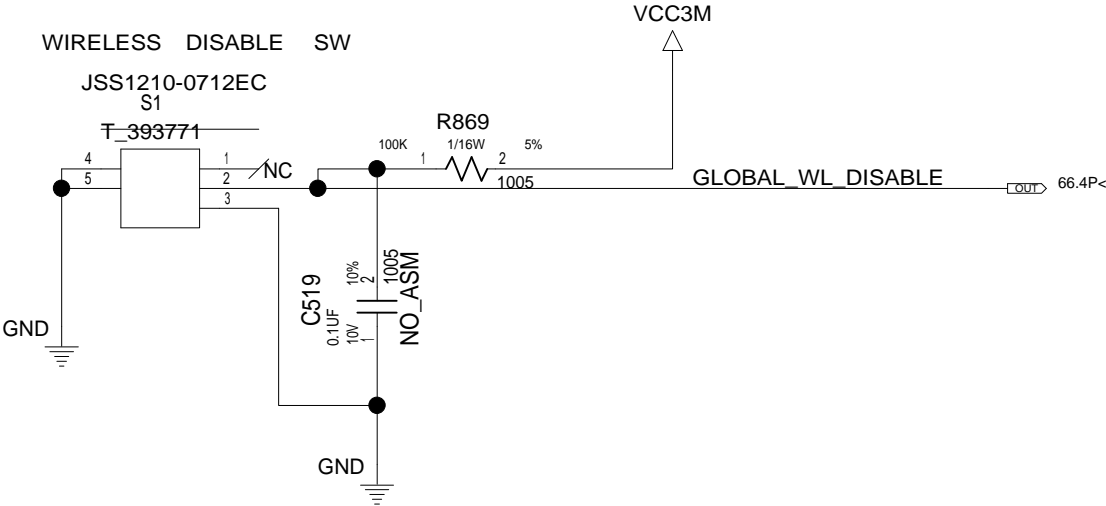
DATE		EC NO.	PART NO.	
REL			VER.1.42	
			DEVELOPMENT NO.	
			Q/M	
			67 / 101	



DESIGNER	Y.Y	09/28/07	PART NO.	
CHECKED	Y.I	09/28/07	VER.1.42	
APPROVED	H.K	09/28/07	TITLE MLB-3 EXT SDV	
CLASS	H.K	09/28/07	KEYBOARD CONNECTOR	
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.			LENOVO CONFIDENTIAL	

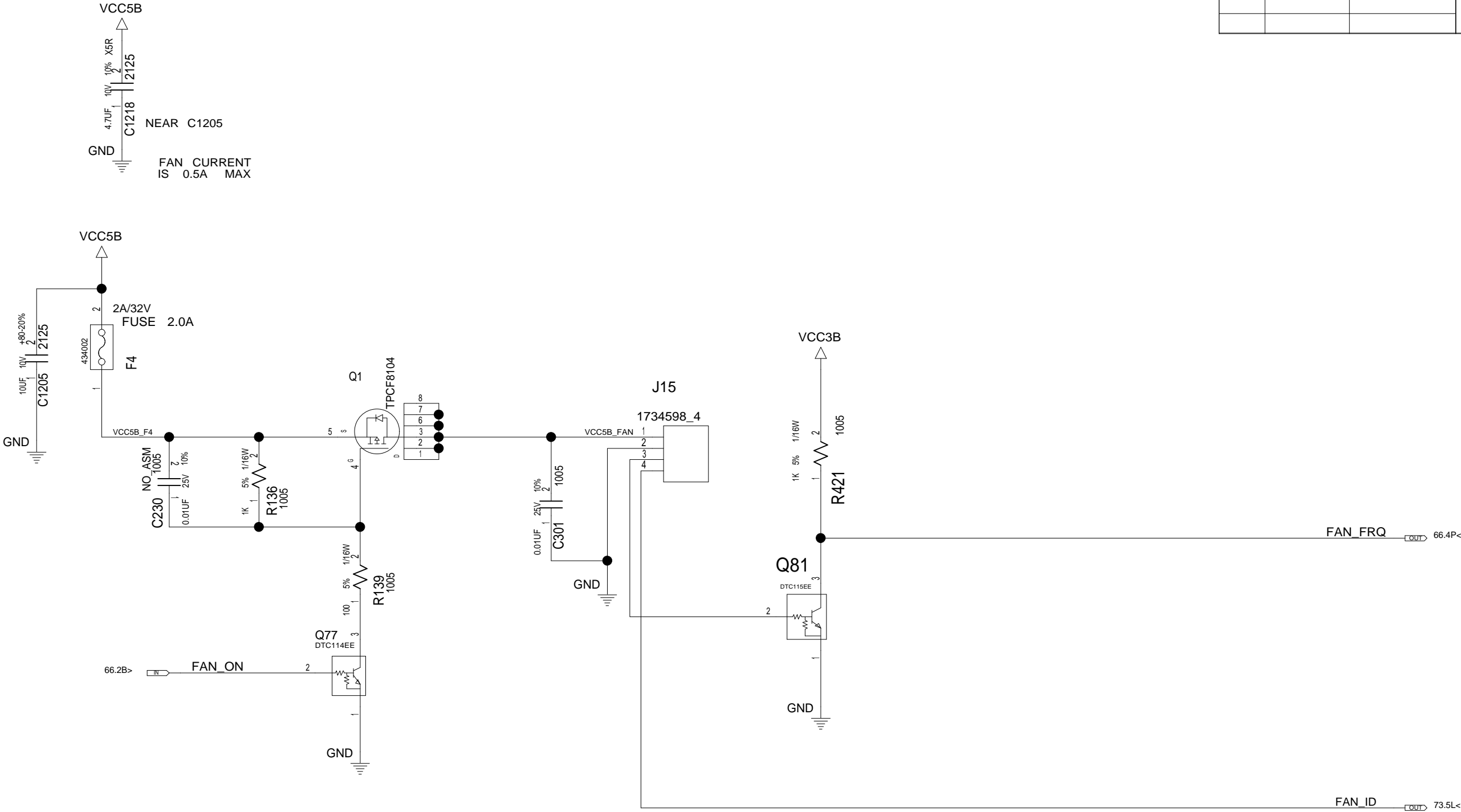


		DATE		EC NO.		PART NO.	
REL						VER.1.42	
						DEVELOPMENT NO.	
						Q/M	
						69 / 101	



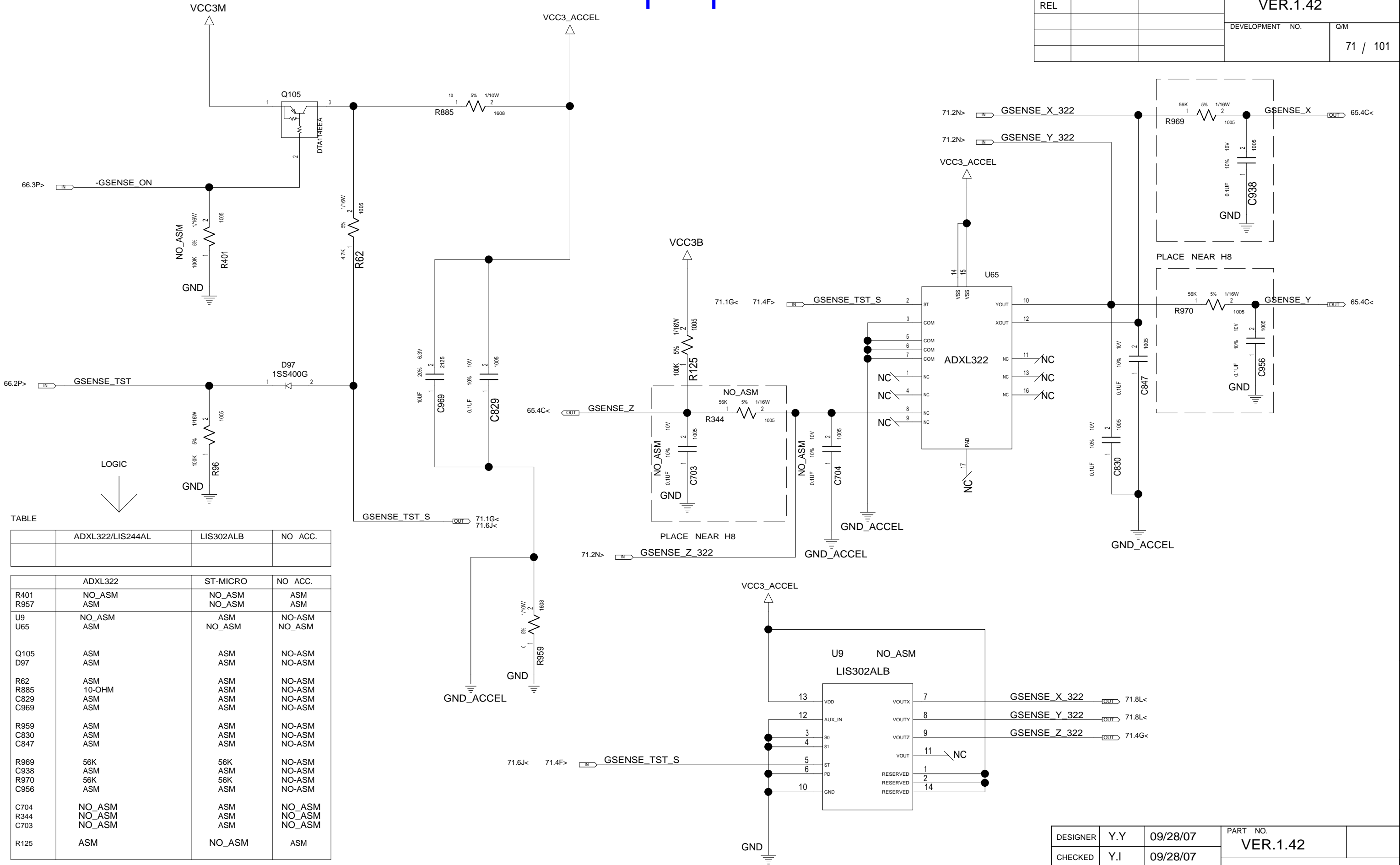
DESIGNER	Y.Y	09/28/07	PART NO.	
CHECKED	Y.I	09/28/07	VER.1.42	
APPROVED	H.K	09/28/07	TITLE MLB-3 EXT SDV	
CLASS	H.K	09/28/07	WIRELESS DISABLE SW	
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.				
			LENOVO CONFIDENTIAL	

DATE		EC NO.		PART NO.	
REL				VER.1.42	
				DEVELOPMENT NO.	Q/M
					70 / 101



DESIGNER	Y.Y	09/28/07	PART NO.	
CHECKED	Y.I	09/28/07	VER.1.42	
APPROVED	H.K	09/28/07	TITLE MLB-3 EXT SDV	
CLASS	H.K	09/28/07	FAN CONNECTOR	
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.				
			LENOVO CONFIDENTIAL	

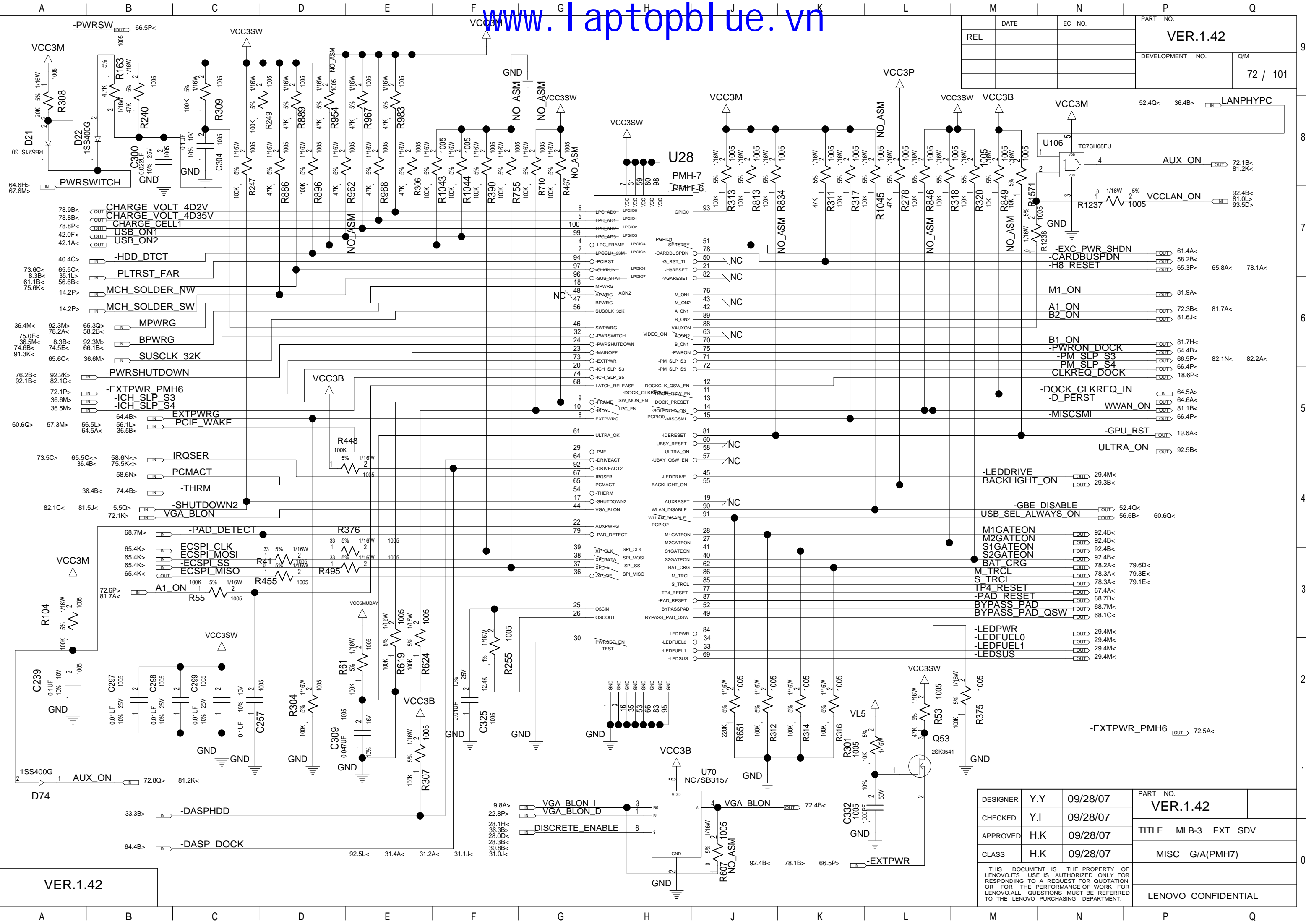
DATE		EC NO.	PART NO.	
REL			VER.1.42	
			DEVELOPMENT NO.	Q/M
				71 / 101



TABLE

	ADXL322/LIS244AL	LIS302ALB	NO ACC.
	ADXL322	ST-MICRO	NO ACC.
R401	NO_ASM	NO_ASM	ASM
R957	ASM	NO_ASM	ASM
U9	NO_ASM	ASM	NO-ASM
U65	ASM	NO_ASM	NO-ASM
Q105	ASM	ASM	NO-ASM
D97	ASM	ASM	NO-ASM
R62	ASM	ASM	NO-ASM
R885	10-OHM	ASM	NO-ASM
C829	ASM	ASM	NO-ASM
C969	ASM	ASM	NO-ASM
R959	ASM	ASM	NO-ASM
C830	ASM	ASM	NO-ASM
C847	ASM	ASM	NO-ASM
R969	56K	56K	NO-ASM
C938	ASM	ASM	NO-ASM
R970	56K	56K	NO-ASM
C956	ASM	ASM	NO-ASM
C704	NO_ASM	ASM	NO_ASM
R344	NO_ASM	ASM	NO_ASM
C703	NO_ASM	ASM	NO_ASM
R125	ASM	NO_ASM	ASM

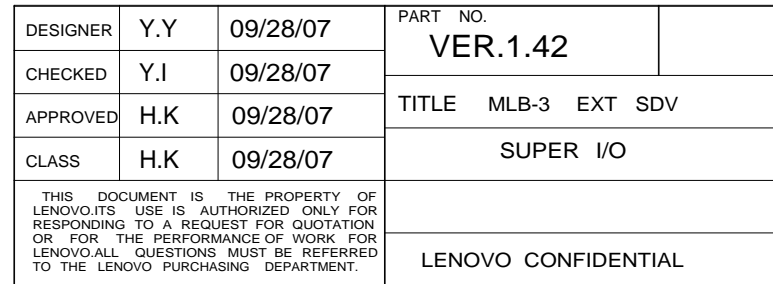
DESIGNER	Y.Y	09/28/07	PART NO.	
CHECKED	Y.I	09/28/07	VER.1.42	
APPROVED	H.K	09/28/07	TITLE MLB-3 EXT SDV	
CLASS	H.K	09/28/07	G-SENSOR	
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.			LENOVO CONFIDENTIAL	



REL		DATE	EC NO.	PART NO.	
				VER.1.42	
				DEVELOPMENT NO.	Q/M
					72 / 101

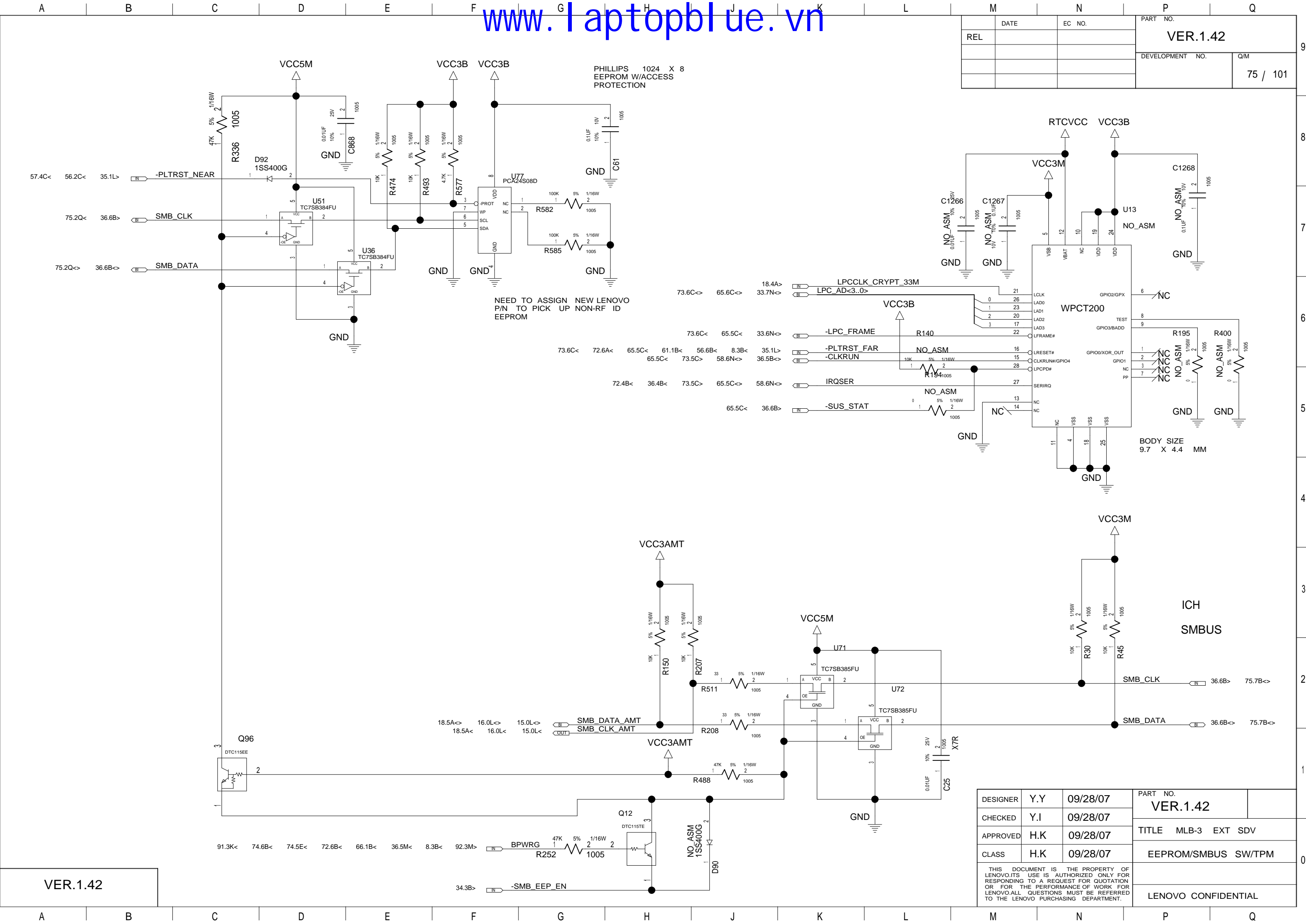
DESIGNER	Y.Y	09/28/07	PART NO.	
CHECKED	Y.I	09/28/07	VER.1.42	
APPROVED	H.K	09/28/07	TITLE MLB-3 EXT SDV	
CLASS	H.K	09/28/07	MISC G/A(PMH7)	
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.			LENOVO CONFIDENTIAL	







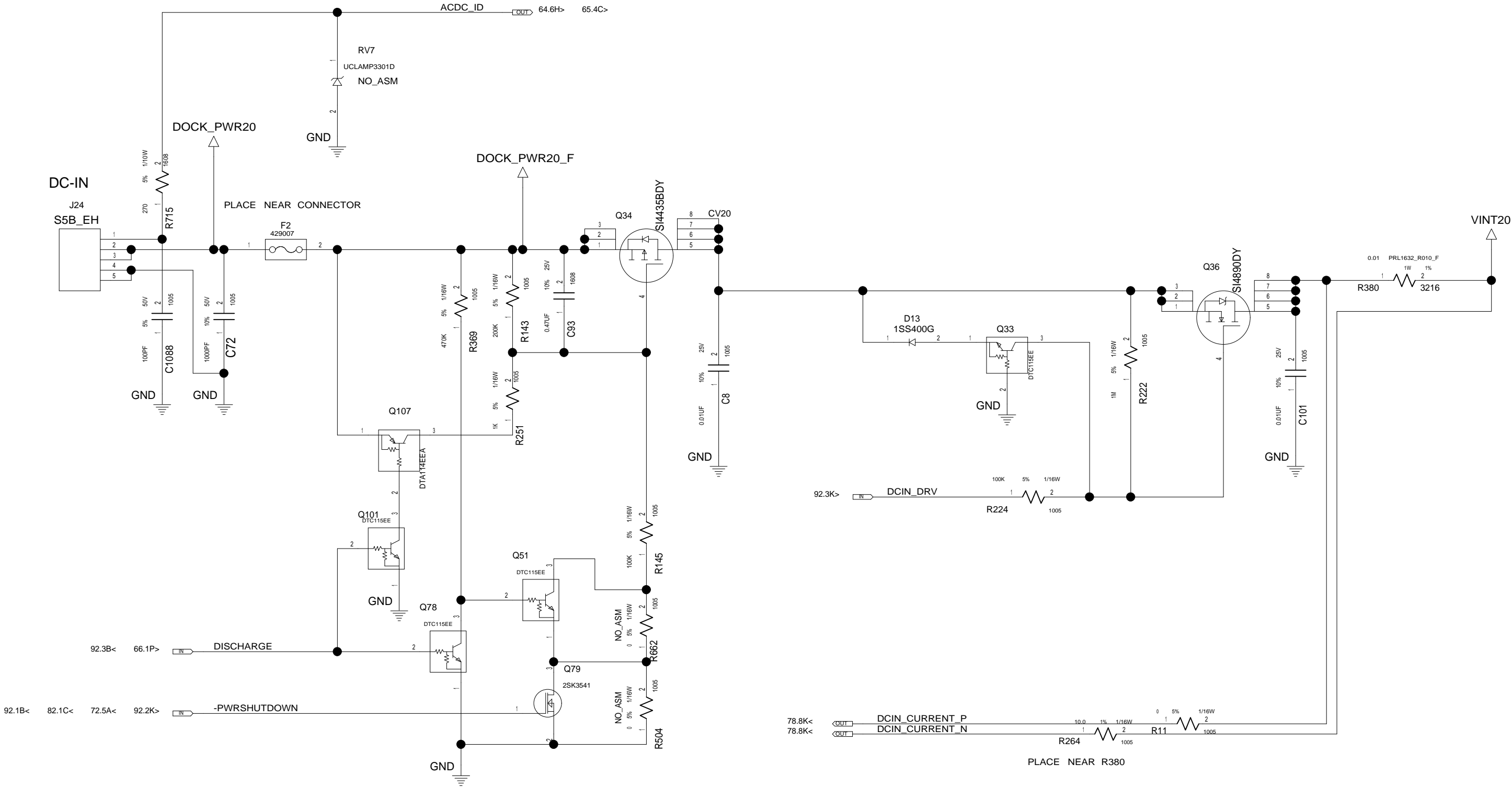
DATE		EC NO.	PART NO.	
REL			VER.1.42	
			DEVELOPMENT NO.	Q/M
				75 / 101



VER.1.42

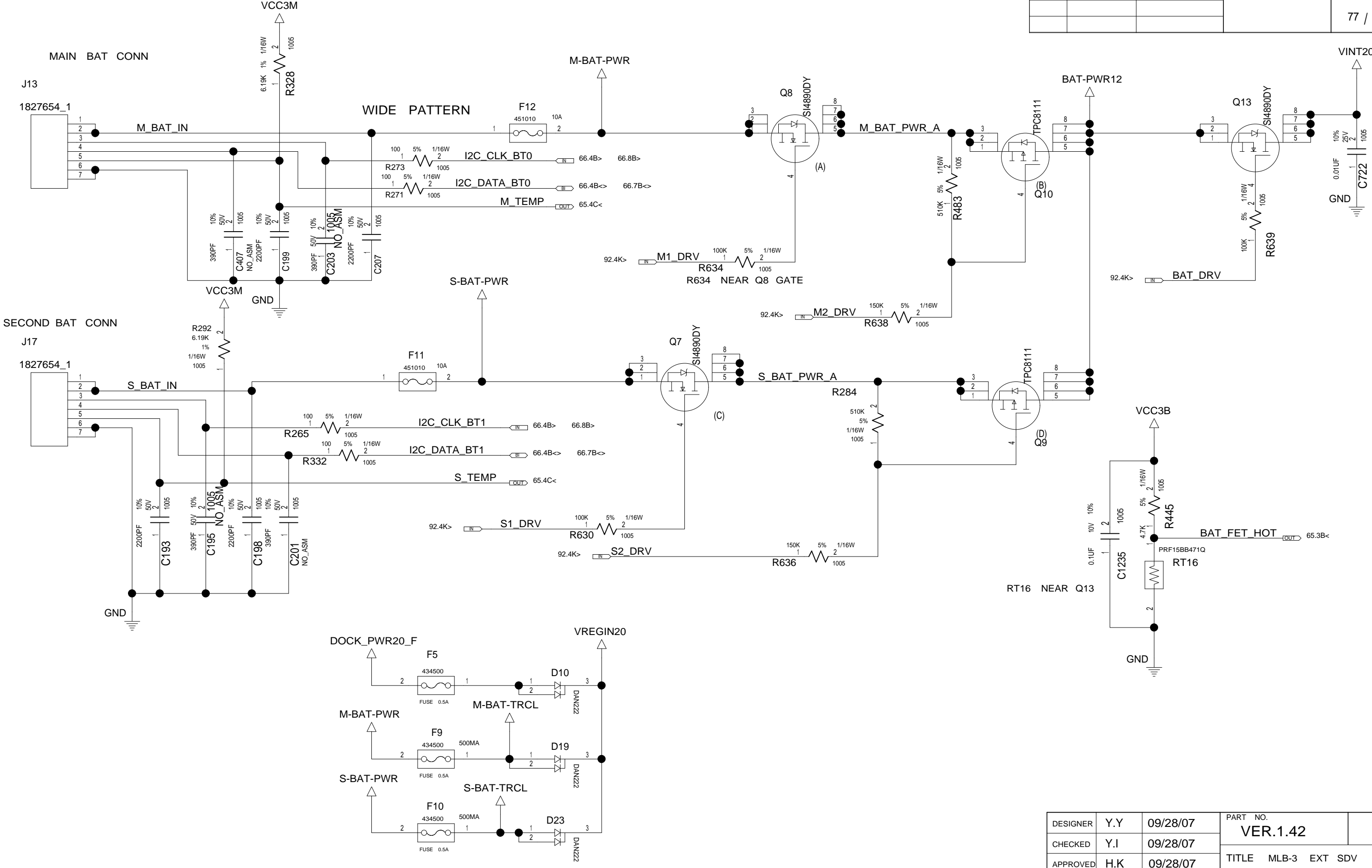
DESIGNER	Y.Y	09/28/07	PART NO.	
CHECKED	Y.I	09/28/07	VER.1.42	
APPROVED	H.K	09/28/07	TITLE MLB-3 EXT SDV	
CLASS	H.K	09/28/07	EEPROM/SMBUS SW/TPM	
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.			LENOVO CONFIDENTIAL	

DATE		EC NO.	PART NO.	
REL			VER.1.42	
			DEVELOPMENT NO.	Q/M
				76 / 101

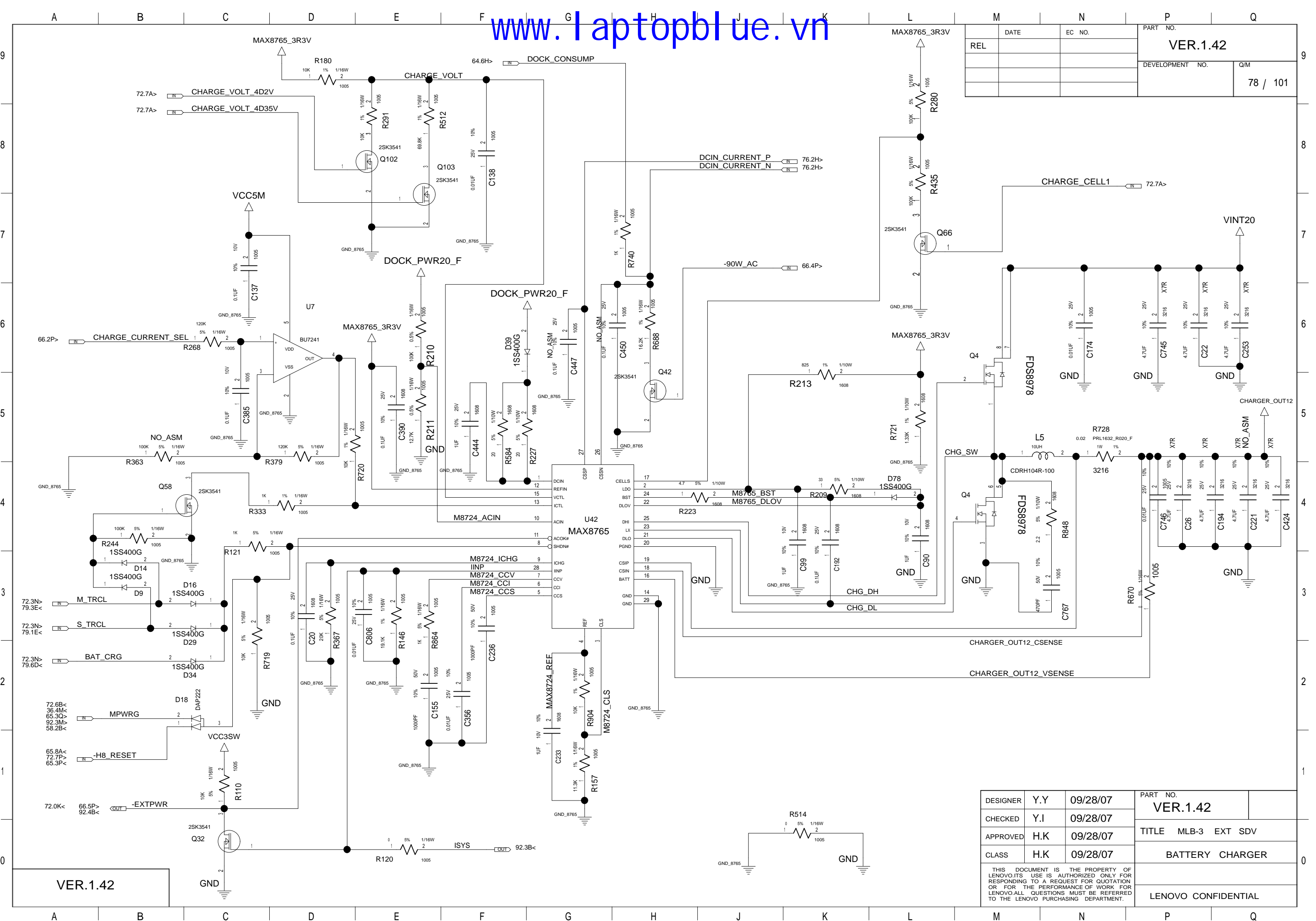


DESIGNER	Y.Y	09/28/07	PART NO.	
CHECKED	Y.I	09/28/07	VER.1.42	
APPROVED	H.K	09/28/07	TITLE MLB-3 EXT SDV	
CLASS	H.K	09/28/07	DC-IN	
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.			LENOVO CONFIDENTIAL	

DATE		EC NO.	PART NO.	
REL			VER.1.42	
			DEVELOPMENT NO.	Q/M
				77 / 101

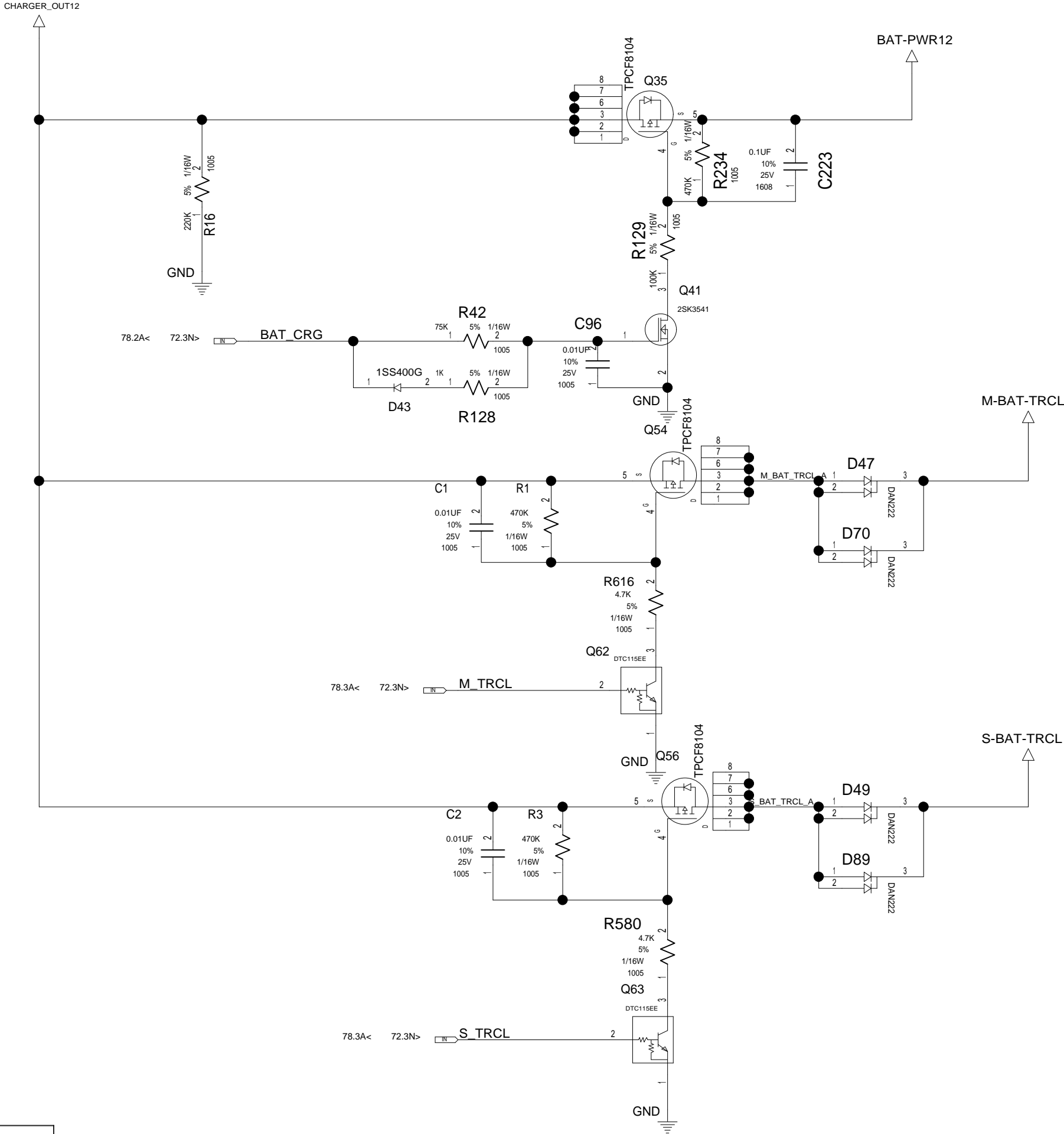


DESIGNER	Y.Y	09/28/07	PART NO.	
CHECKED	Y.I	09/28/07	VER.1.42	
APPROVED	H.K	09/28/07	TITLE MLB-3 EXT SDV	
CLASS	H.K	09/28/07	BATTERY INPUT	
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.			LENOVO CONFIDENTIAL	



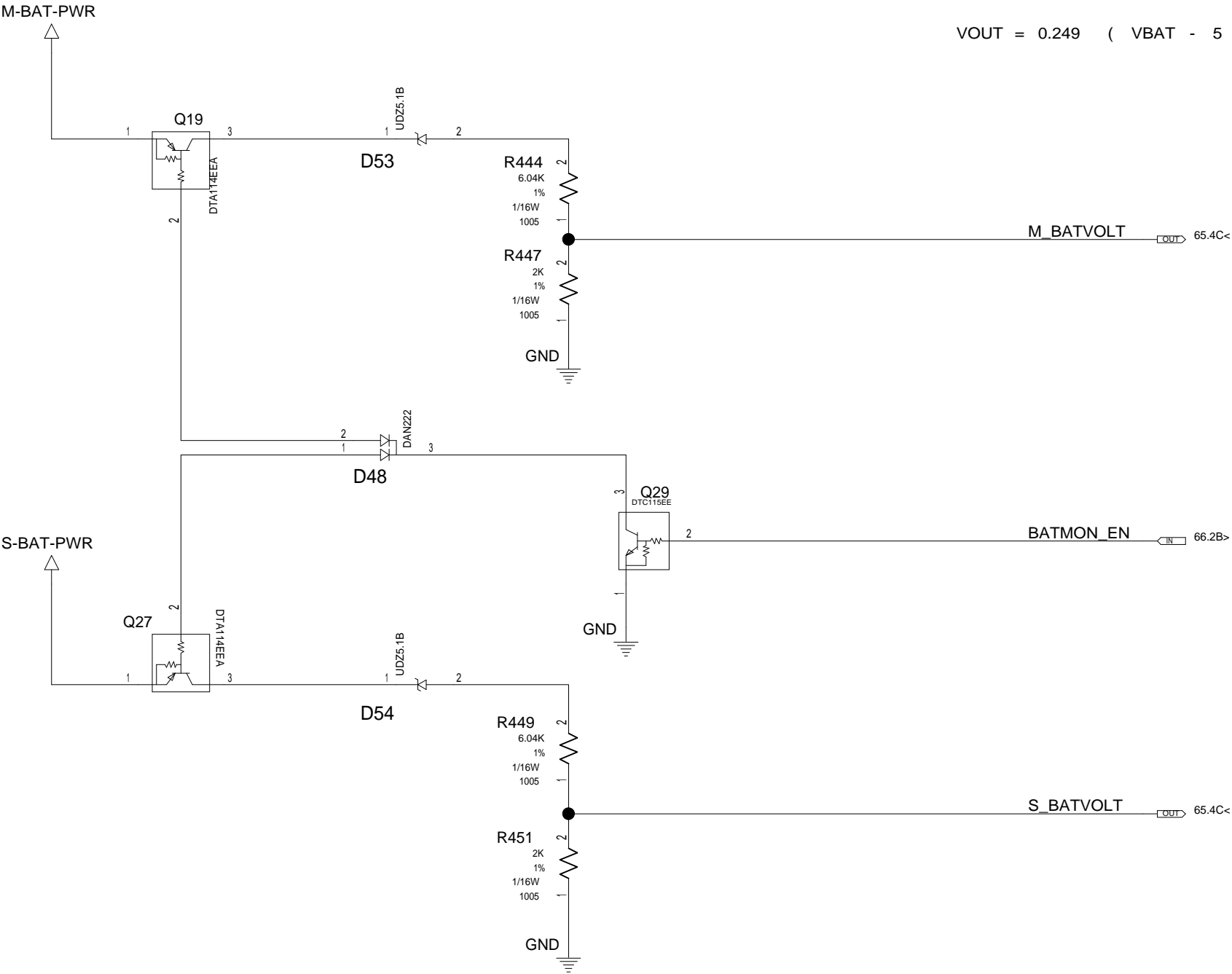


DATE		EC NO.		PART NO.	
REL				VER.1.42	
				DEVELOPMENT NO.	
				Q/M	
				79 / 101	

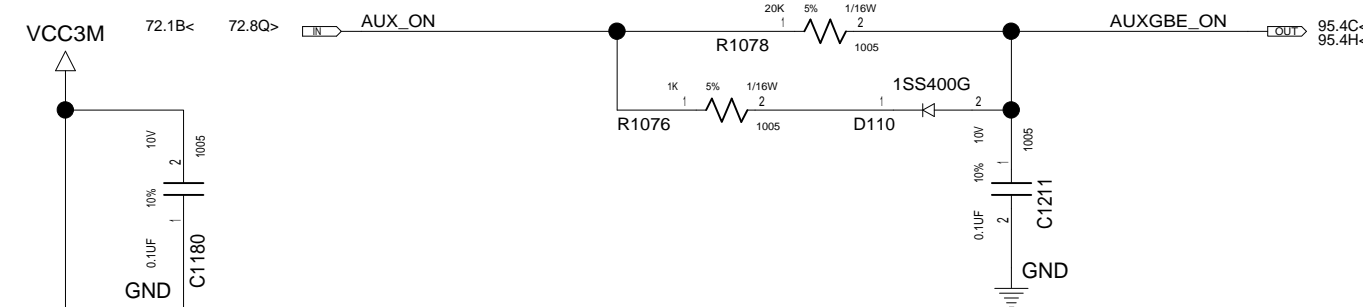


DESIGNER	Y.Y	09/28/07	PART NO.	
CHECKED	Y.I	09/28/07	VER.1.42	
APPROVED	H.K	09/28/07	TITLE MLB-3 EXT SDV	
CLASS	H.K	09/28/07	CHARGE SELECTOR	
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.				
			LENOVO CONFIDENTIAL	

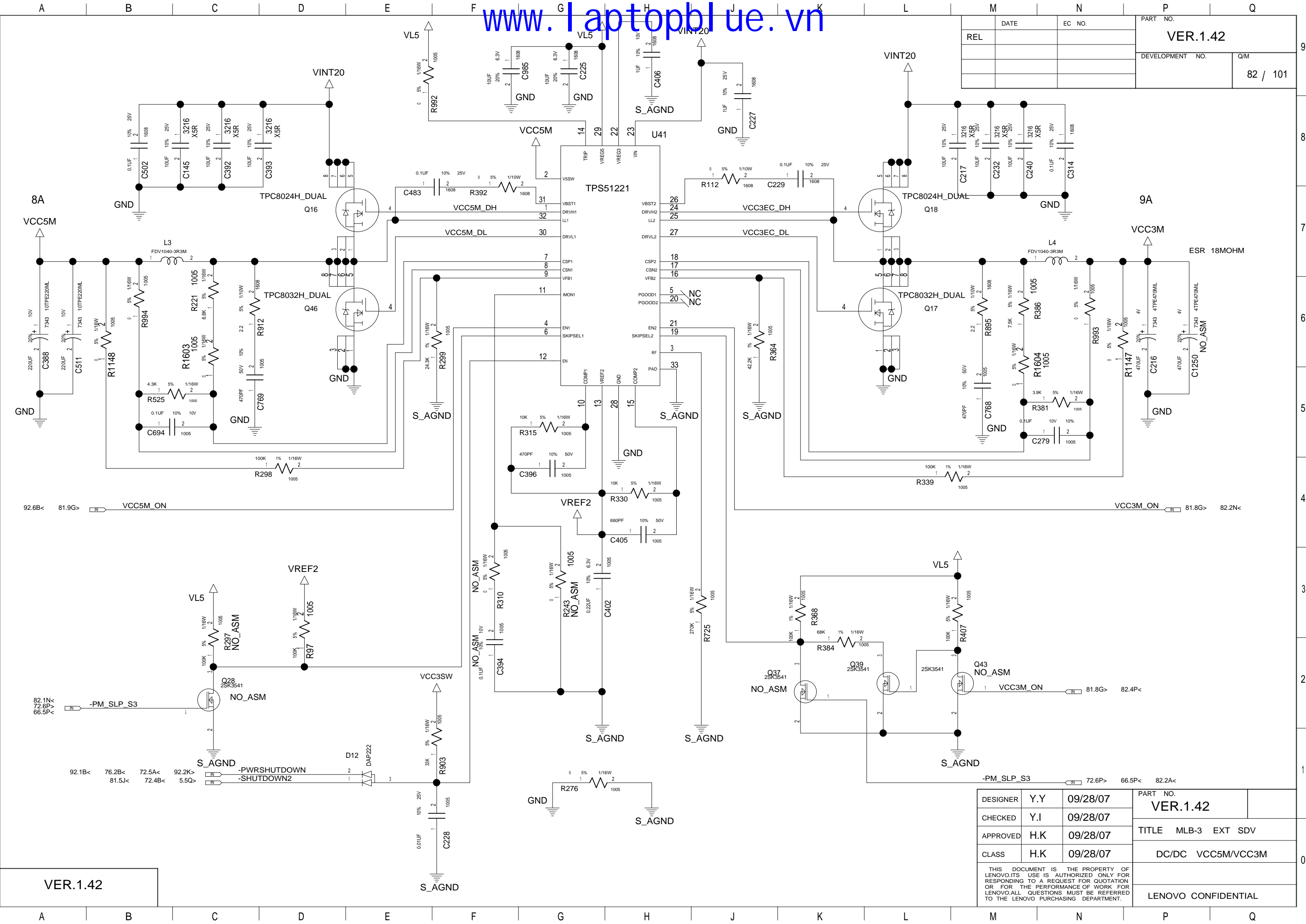
DATE		EC NO.	PART NO.	
REL			VER.1.42	
			DEVELOPMENT NO.	Q/M
				80 / 101



DESIGNER	Y.Y	09/28/07	PART NO.	
CHECKED	Y.I	09/28/07	VER.1.42	
APPROVED	H.K	09/28/07	TITLE MLB-3 EXT SDV	
CLASS	H.K	09/28/07	BATTERY MONITOR	
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.			LENOVO CONFIDENTIAL	

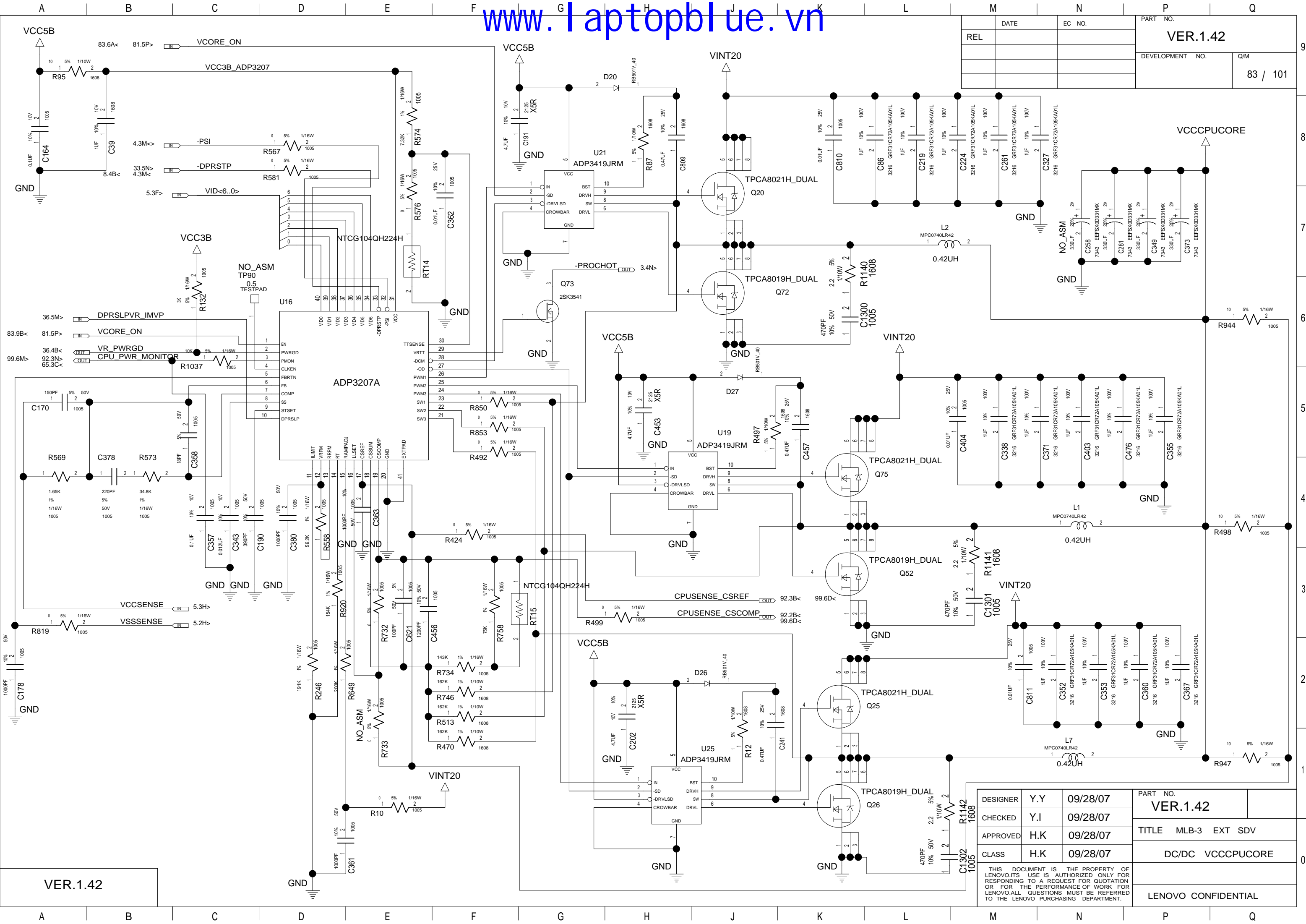


DESIGNER	Y.Y	09/28/07	PART NO. <b>VER.1.42</b>
CHECKED	Y.I	09/28/07	
APPROVED	H.K	09/28/07	TITLE    MLB-3    EXT    SDV
CLASS	H.K	09/28/07	POWER SEQUENCE
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.			LENOVO CONFIDENTIAL



DESIGNER	Y.Y	09/28/07	PART NO.	VER.1.42
CHECKED	Y.I	09/28/07	TITLE	MLB-3 EXT SDV
APPROVED	H.K	09/28/07	DC/DC	VCC5M/VCC3M
CLASS	H.K	09/28/07	LENOVO CONFIDENTIAL	

THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.

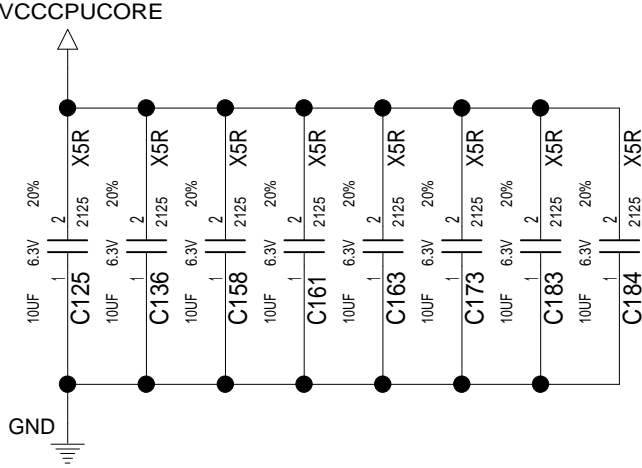


REL	DATE	EC NO.	PART NO.	
			VER.1.42	
			DEVELOPMENT NO.	Q/M
				83 / 101

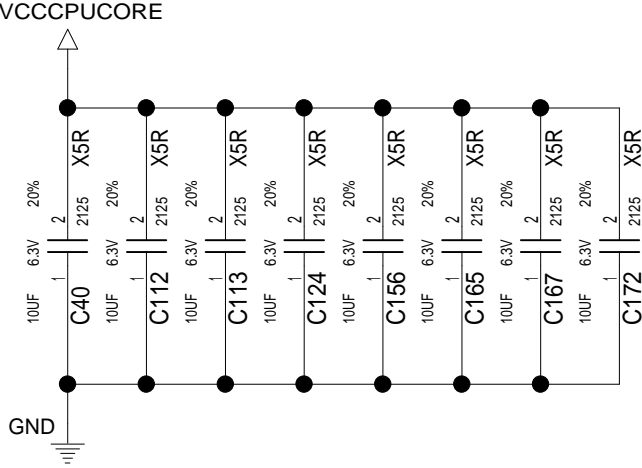
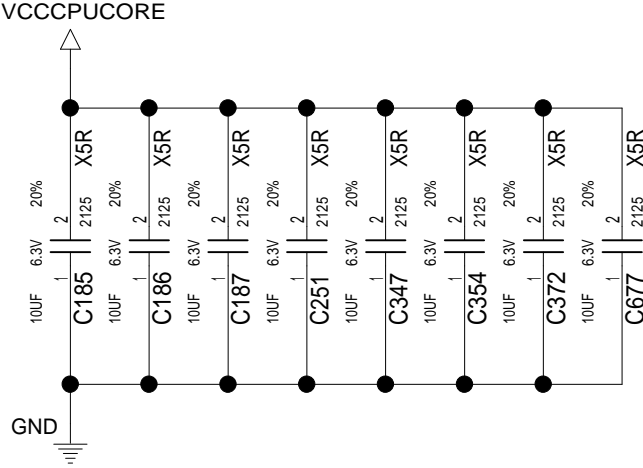
VER.1.42

DESIGNER	Y.Y	09/28/07	PART NO.	
CHECKED	Y.I	09/28/07	VER.1.42	
APPROVED	H.K	09/28/07	TITLE MLB-3 EXT SDV	
CLASS	H.K	09/28/07	DC/DC VCCCPUCORE	
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.			LENOVO CONFIDENTIAL	

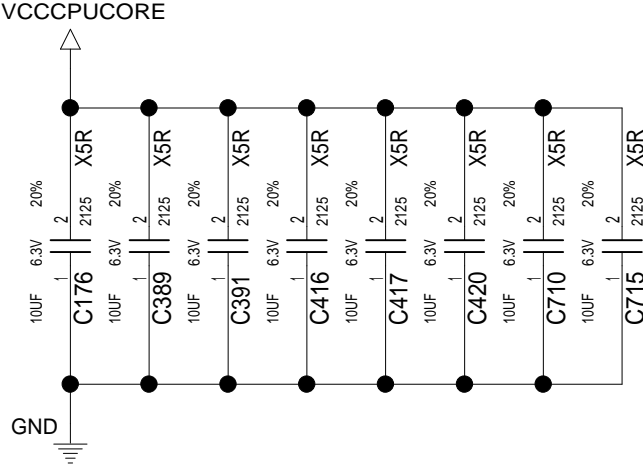
DATE		EC NO.	PART NO. VER.1.42	
REL				
			DEVELOPMENT NO.	
			Q/M	
			84 / 101	



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

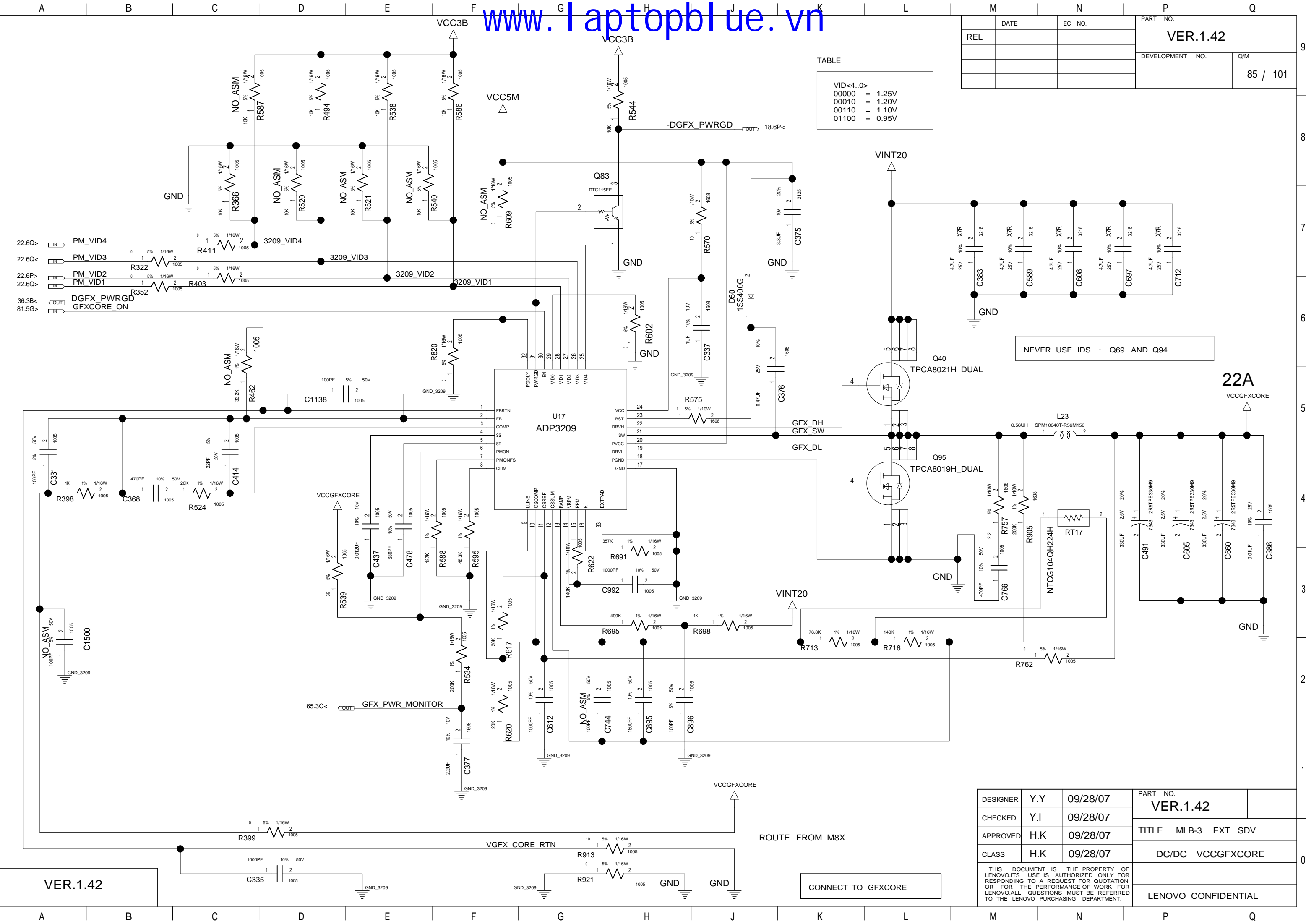


10UF 6.3V X5R 2125 1/16W X 16PCS



DESIGNER	Y.Y	09/28/07	PART NO. VER.1.42	
CHECKED	Y.I	09/28/07		
APPROVED	H.K	09/28/07	TITLE MLB-3 EXT SDV	
CLASS	H.K	09/28/07	VCCCPUCORE DECOUPLING	
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.				
			LENOVO CONFIDENTIAL	





	DATE	EC NO.	PART NO.  <b>VER.1.42</b>  DEVELOPMENT NO.	Q/M  86 / 101
REL				

# BLANK

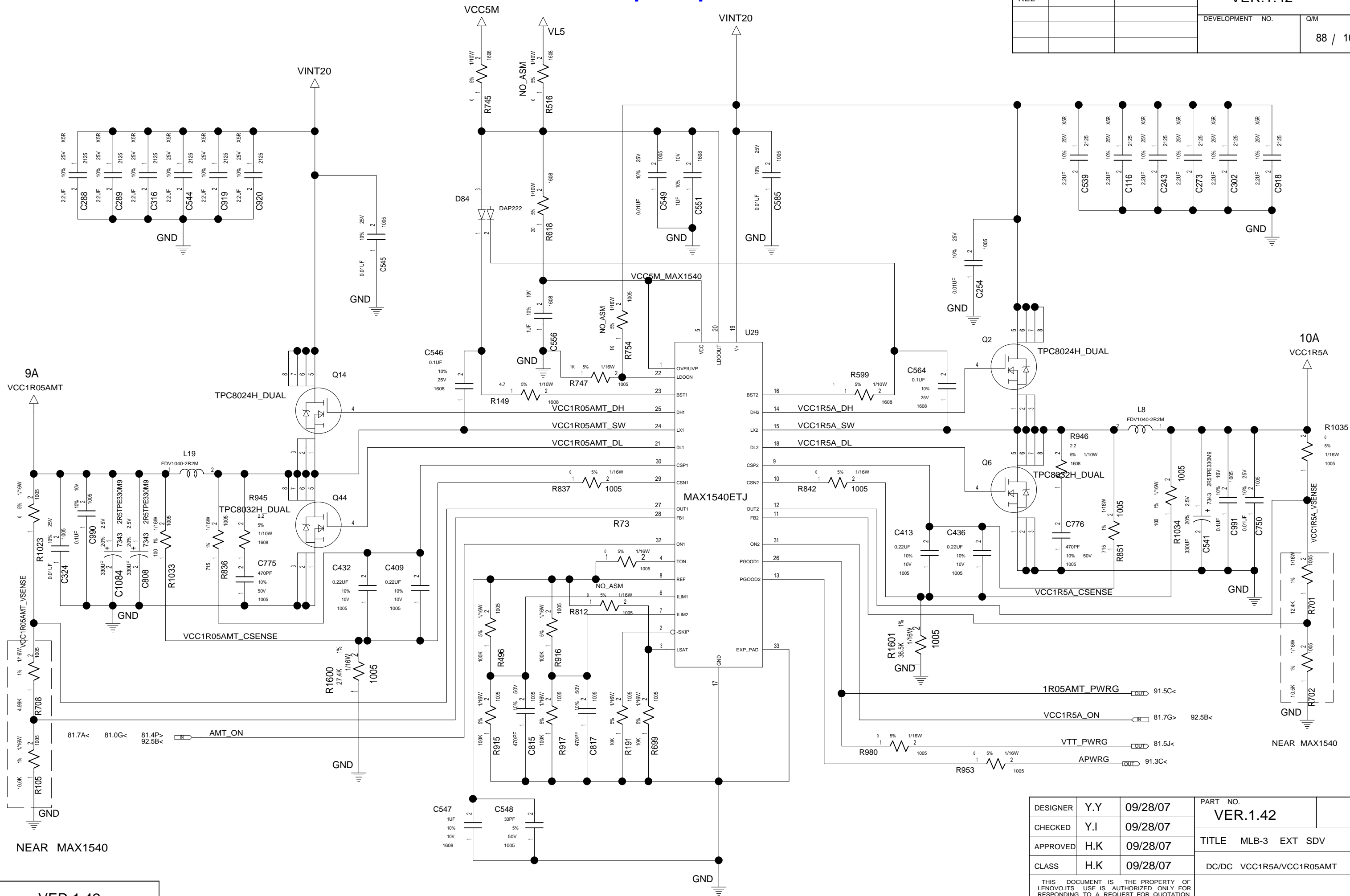
DESIGNER	Y.Y	09/28/07	PART NO. <b>VER.1.42</b>
CHECKED	Y.I	09/28/07	
APPROVED	H.K	09/28/07	TITLE    MLB-3    EXT    SDV
CLASS	H.K	09/28/07	BLANK
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.			LENOVO CONFIDENTIAL

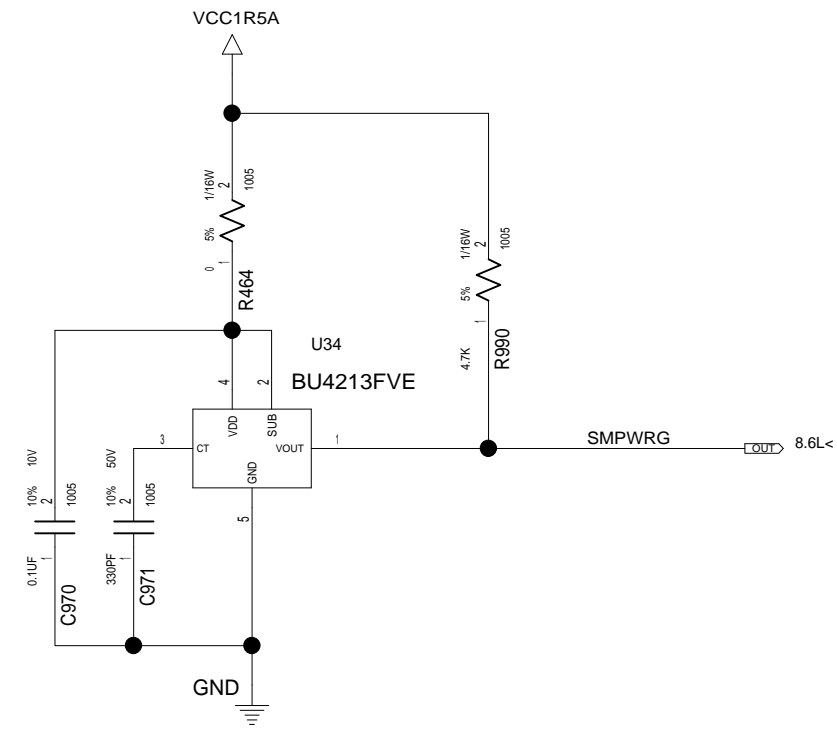
VER.1.42

BLANK

	DATE	EC NO.	PART NO.  VER.1.42	
REL				
			DEVELOPMENT NO.	Q/M  87 / 101

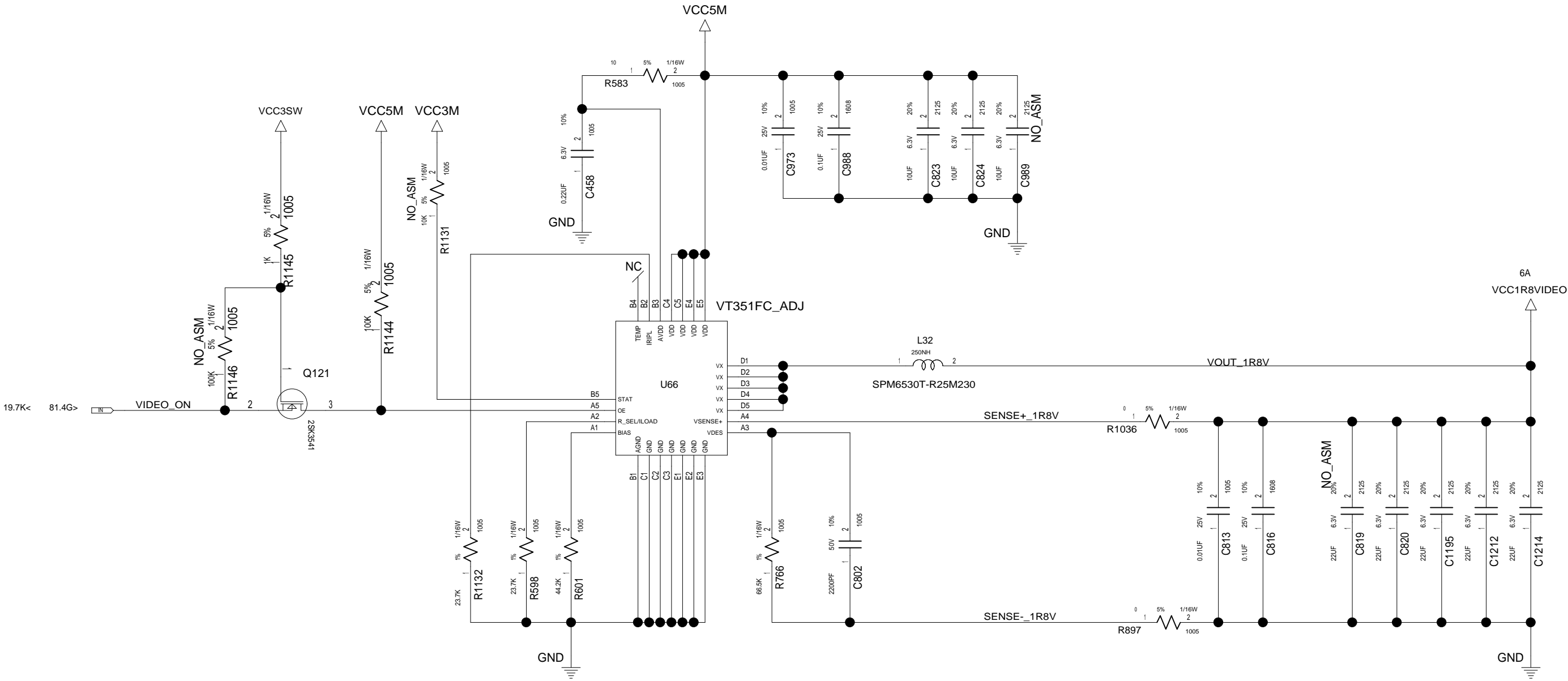
DESIGNER	Y.Y	09/28/07	PART NO.		
CHECKED	Y.I	09/28/07	VER.1.42		
APPROVED	H.K	09/28/07	TITLE MLB-3 EXT SDV		
CLASS	H.K	09/28/07	BLANK		
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.					
			LENOVO CONFIDENTIAL		





DESIGNER	Y.Y	09/28/07	PART NO. <b>VER.1.42</b>	
CHECKED	Y.I	09/28/07		
APPROVED	H.K	09/28/07	TITLE    MLB-3    EXT    SDV	
CLASS	H.K	09/28/07	DC/DC    VCC0R75AMT	
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.			LENOVO CONFIDENTIAL	

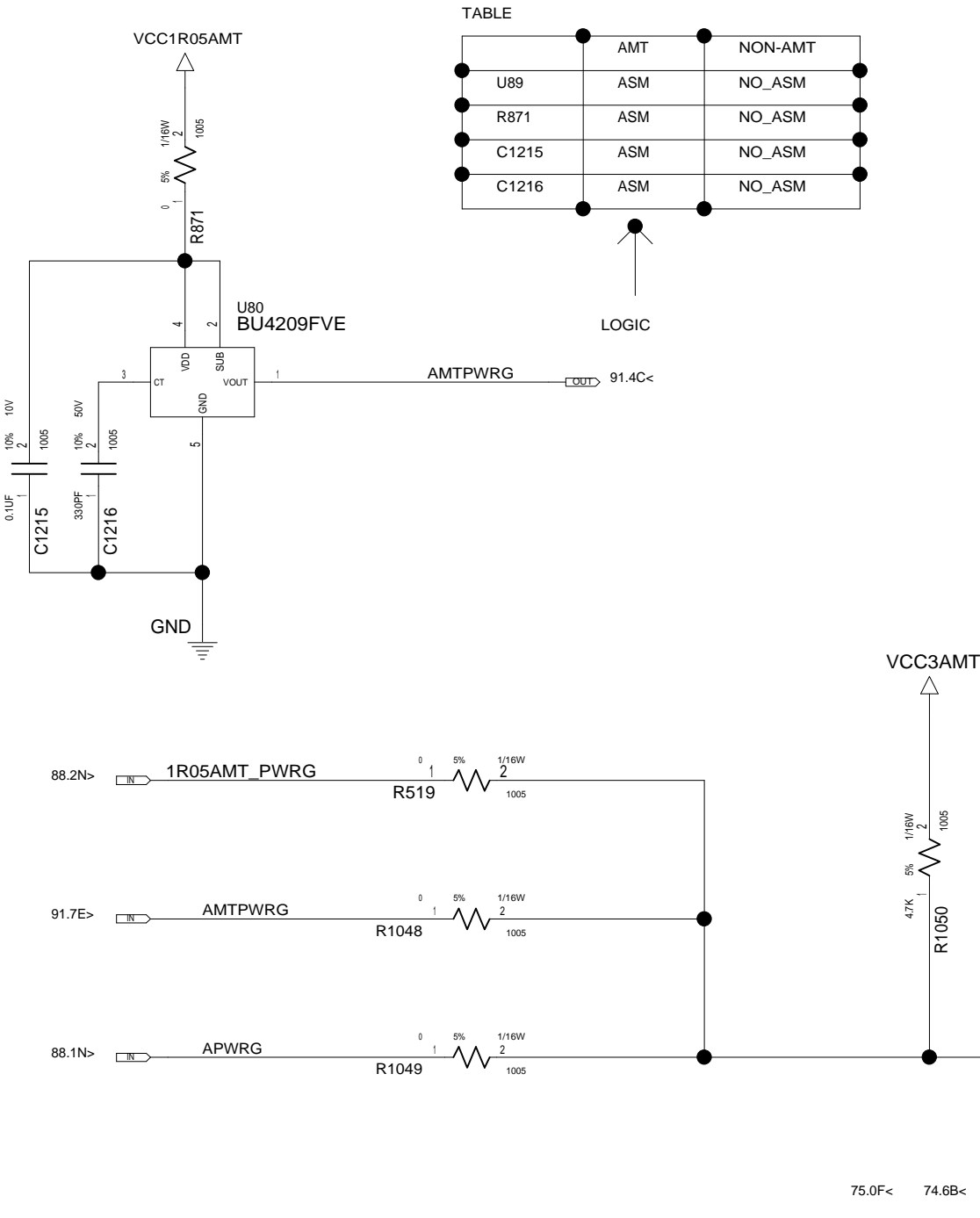
DATE		EC NO.		PART NO.	
REL				VER.1.42	
				DEVELOPMENT NO.	
				Q/M	
				90 / 101	



DESIGNER	Y.Y	09/28/07	PART NO.	
CHECKED	Y.I	09/28/07	VER.1.42	
APPROVED	H.K	09/28/07	TITLE MLB-3 EXT SDV	
CLASS	H.K	09/28/07	DC/DC VCC1R8VIDEO	
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.			LENOVO CONFIDENTIAL	



	DATE	EC NO.	PART NO.	
REL			VER.1.42	
			DEVELOPMENT NO.	Q/M
				91 / 101



	AMT	NON-AMT
U89	ASM	NO_ASM
R871	ASM	NO_ASM
C1215	ASM	NO_ASM
C1216	ASM	NO_ASM

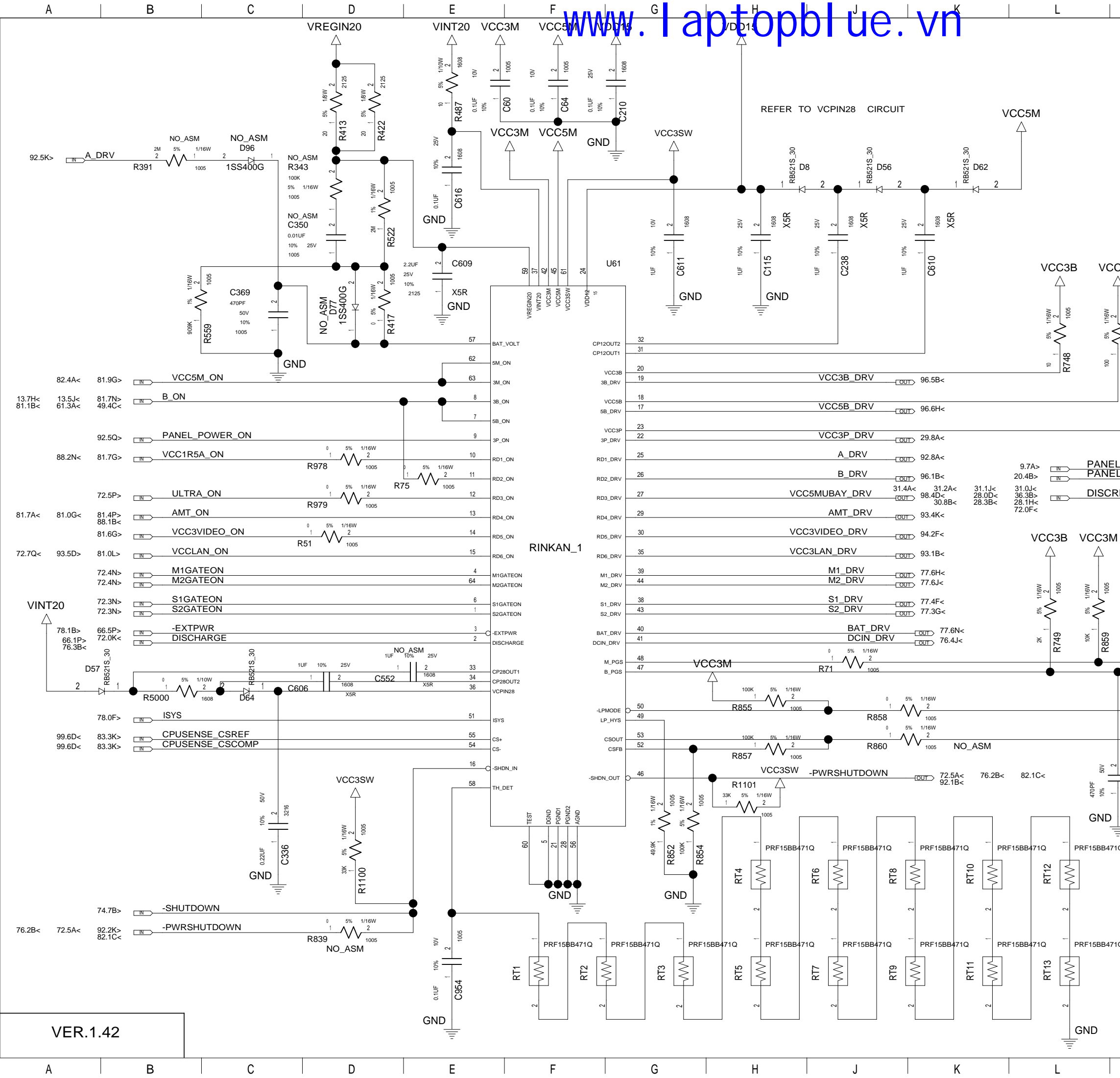
LOGIC

	AMT	NON_AMT
R1051	NO_ASM	ASM
OTHERS	ASM	NO_ASM

LOGIC

DESIGNER	Y.Y	09/28/07	PART NO.	
CHECKED	Y.I	09/28/07	VER.1.42	
APPROVED	H.K	09/28/07	TITLE MLB-3 EXT SDV	
CLASS	H.K	09/28/07	CLPWRG	
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.			LENOVO CONFIDENTIAL	

DATE		EC NO.	PART NO.	
REL			VER.1.42	
			DEVELOPMENT NO.	Q/M
				92 / 101



DESIGNER	Y.Y	09/28/07	PART NO.	
CHECKED	Y.I	09/28/07	VER.1.42	
APPROVED	H.K	09/28/07	TITLE   MLB-3   EXT   SDV	
CLASS	H.K	09/28/07	DC/DC   RINKAN	
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.			LENOVO CONFIDENTIAL	

DATE		EC NO.	PART NO.	
REL			VER.1.42	
			DEVELOPMENT NO.	Q/M
				93 / 101

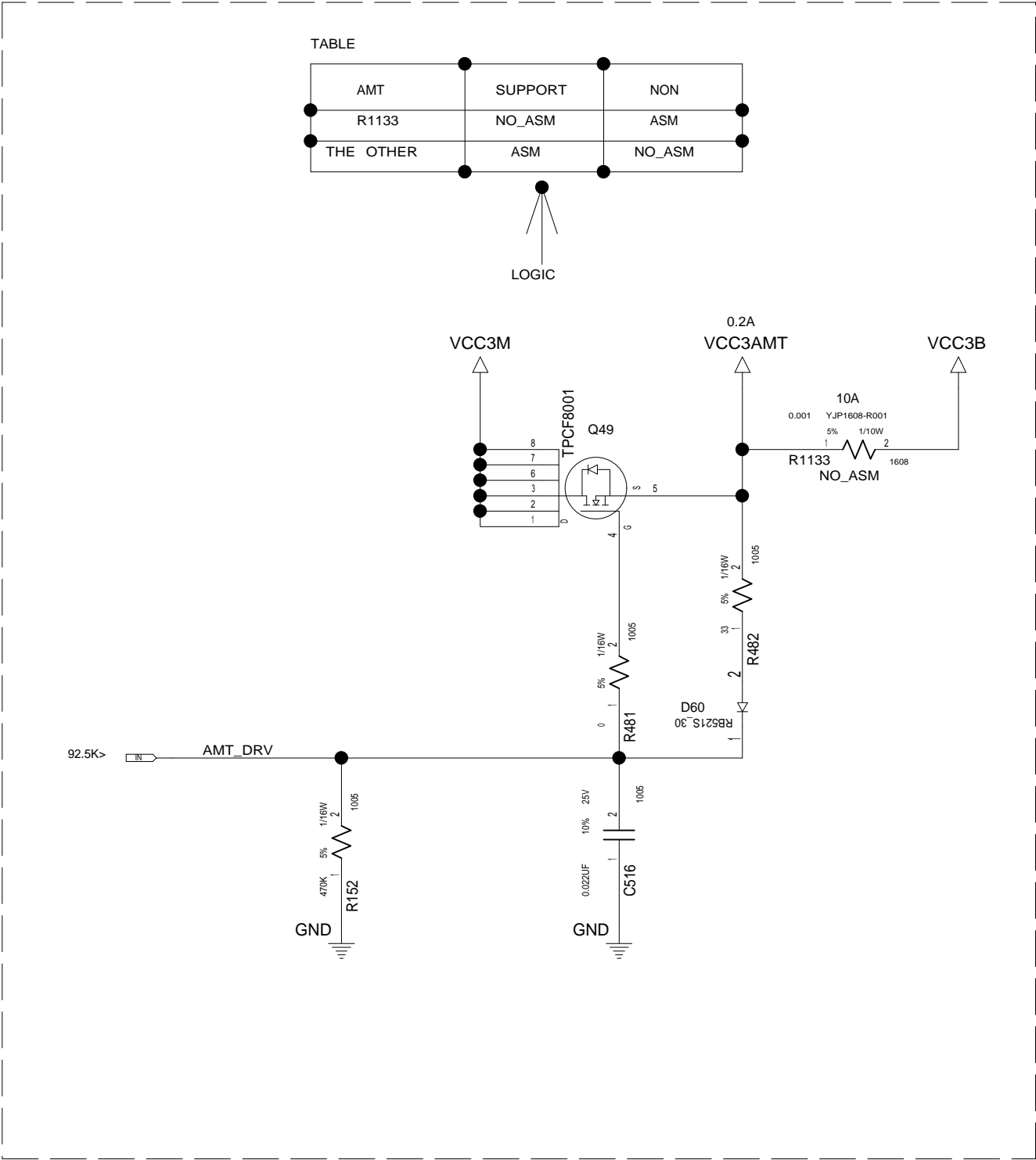
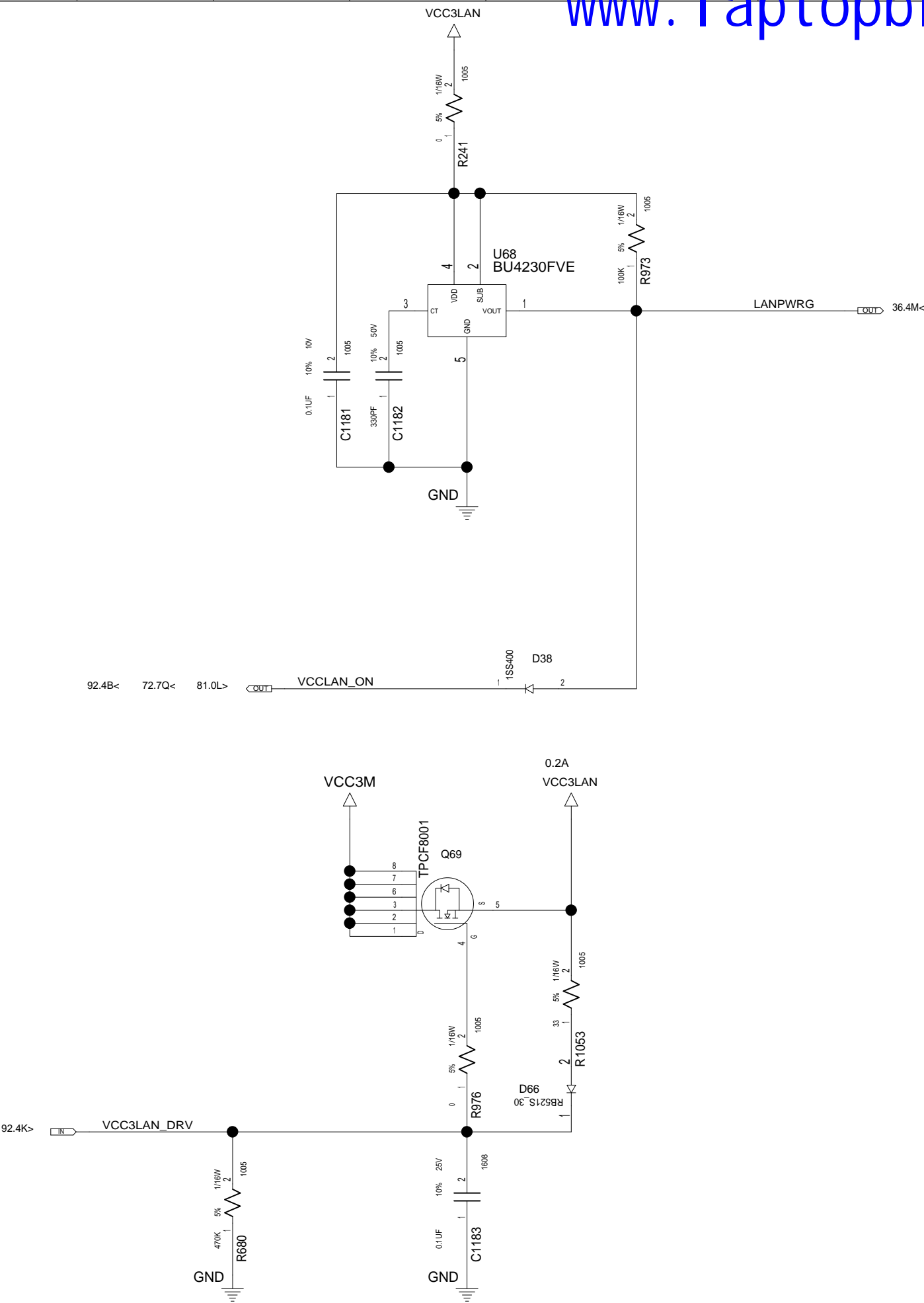
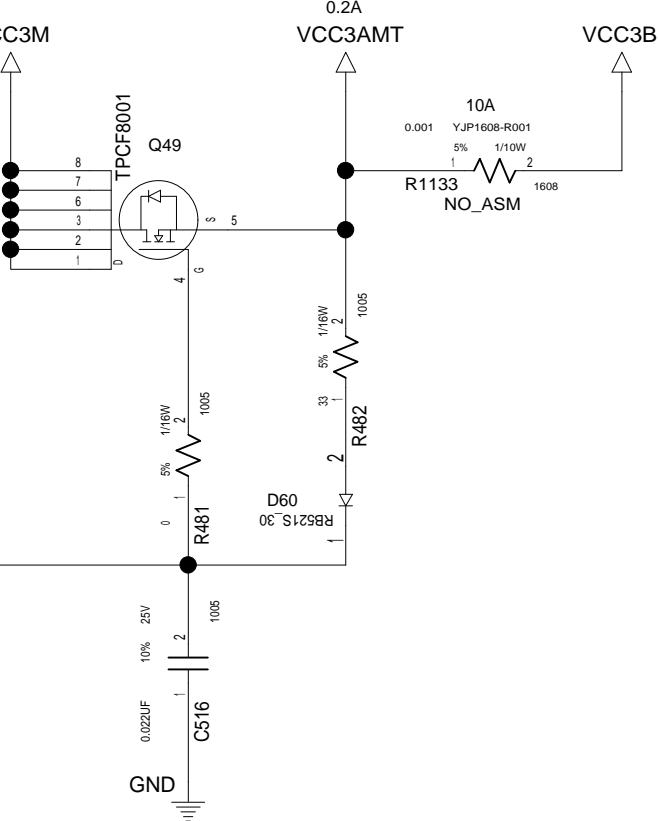


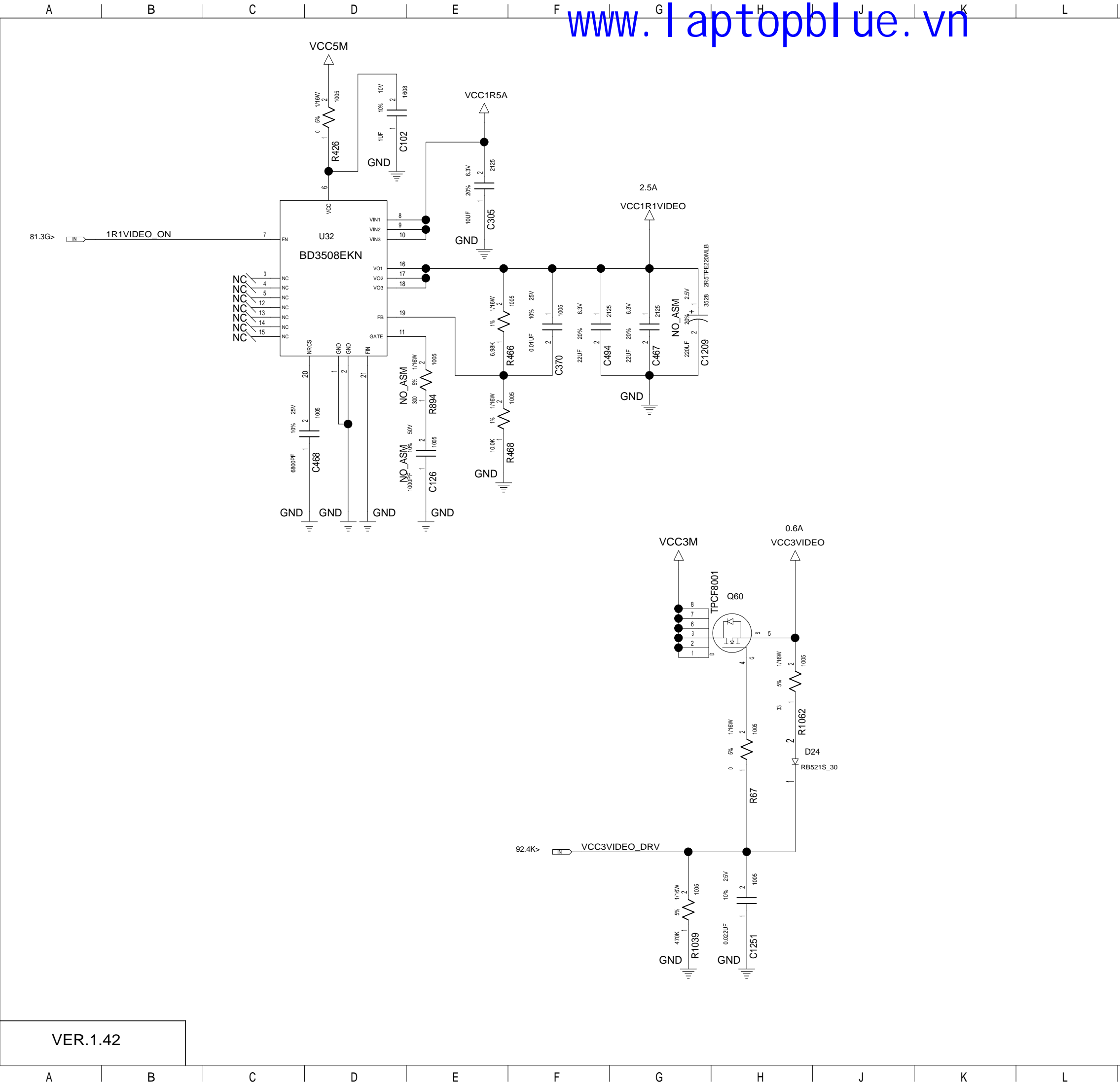
TABLE		
AMT	SUPPORT	NON
R1133	NO_ASM	ASM
THE OTHER	ASM	NO_ASM

LOGIC



DESIGNER	Y.Y	09/28/07	PART NO.	
CHECKED	Y.I	09/28/07	VER.1.42	
APPROVED	H.K	09/28/07	TITLE MLB-3 EXT SDV	
CLASS	H.K	09/28/07	LOAD SW AMT&LAN	
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.			LENOVO CONFIDENTIAL	

M		N		P		Q	
		DATE		EC NO.		PART NO.	
REL						VER.1.42	
						DEVELOPMENT NO.	
						Q/M	
						94 / 101	

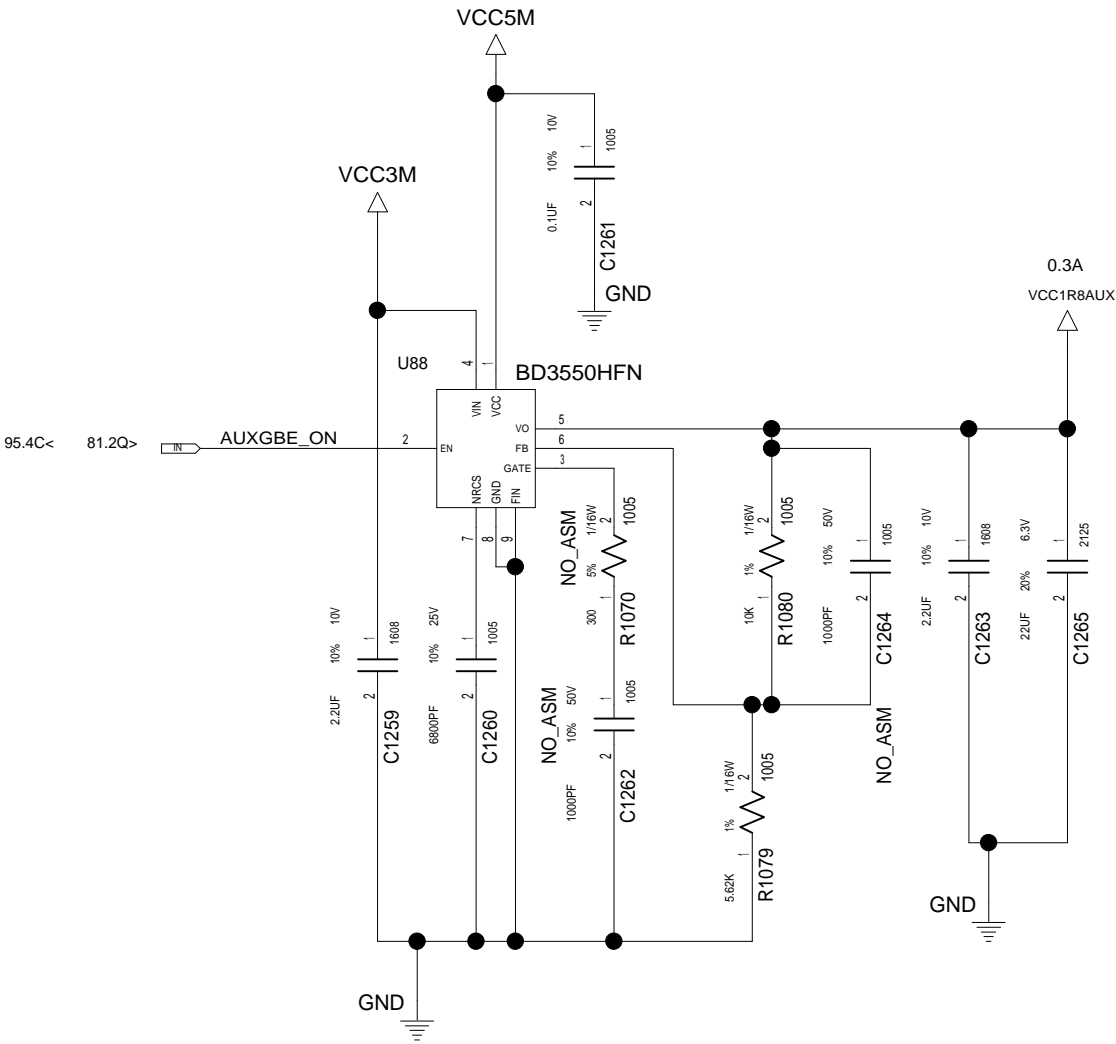
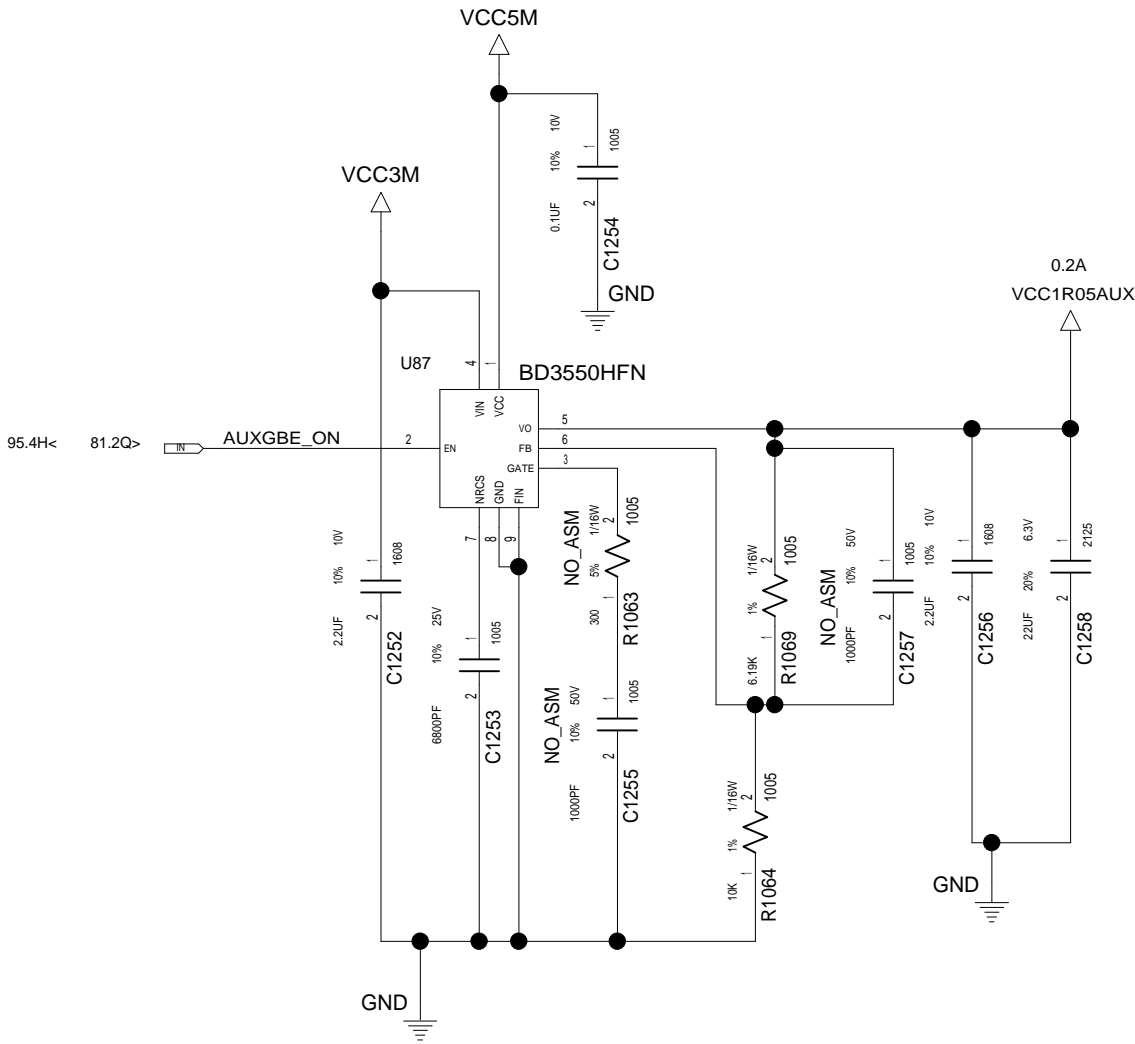


VER.1.42

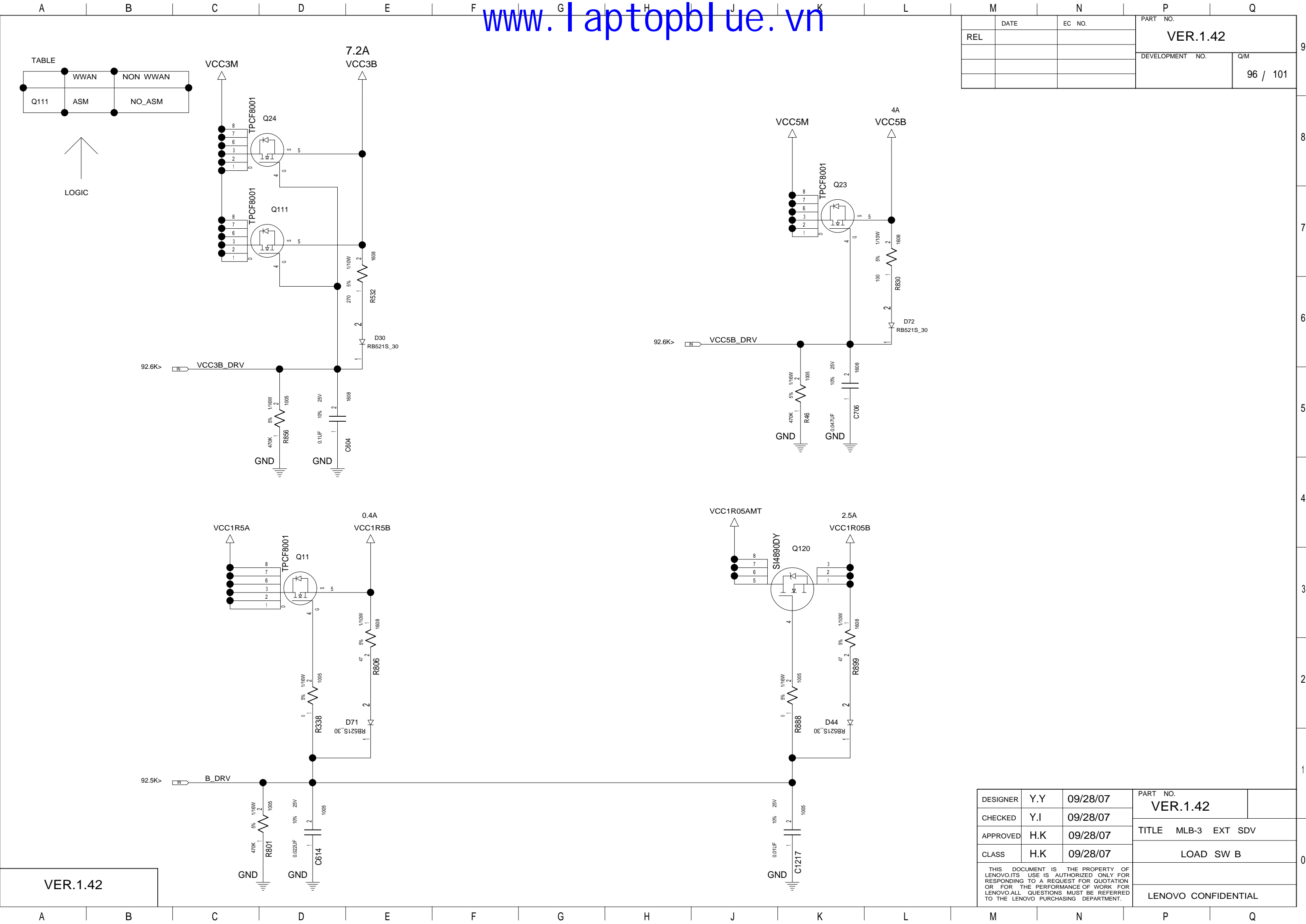
DESIGNER	Y.Y	09/28/07	PART NO.	
CHECKED	Y.I	09/28/07	VER.1.42	
APPROVED	H.K	09/28/07	TITLE   MLB-3   EXT   SDV	
CLASS	H.K	09/28/07	LOAD   SW   VIDEO	
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.				
			LENOVO CONFIDENTIAL	

		DATE		EC NO.		PART NO.	
REL						VER.1.42	
						DEVELOPMENT NO.	
						Q/M	
						95 / 101	

VCC1R8AUX			
1.8V	:	R1079	: 5.62KOHM
2.5V	:	R1079	: 3.48KOHM

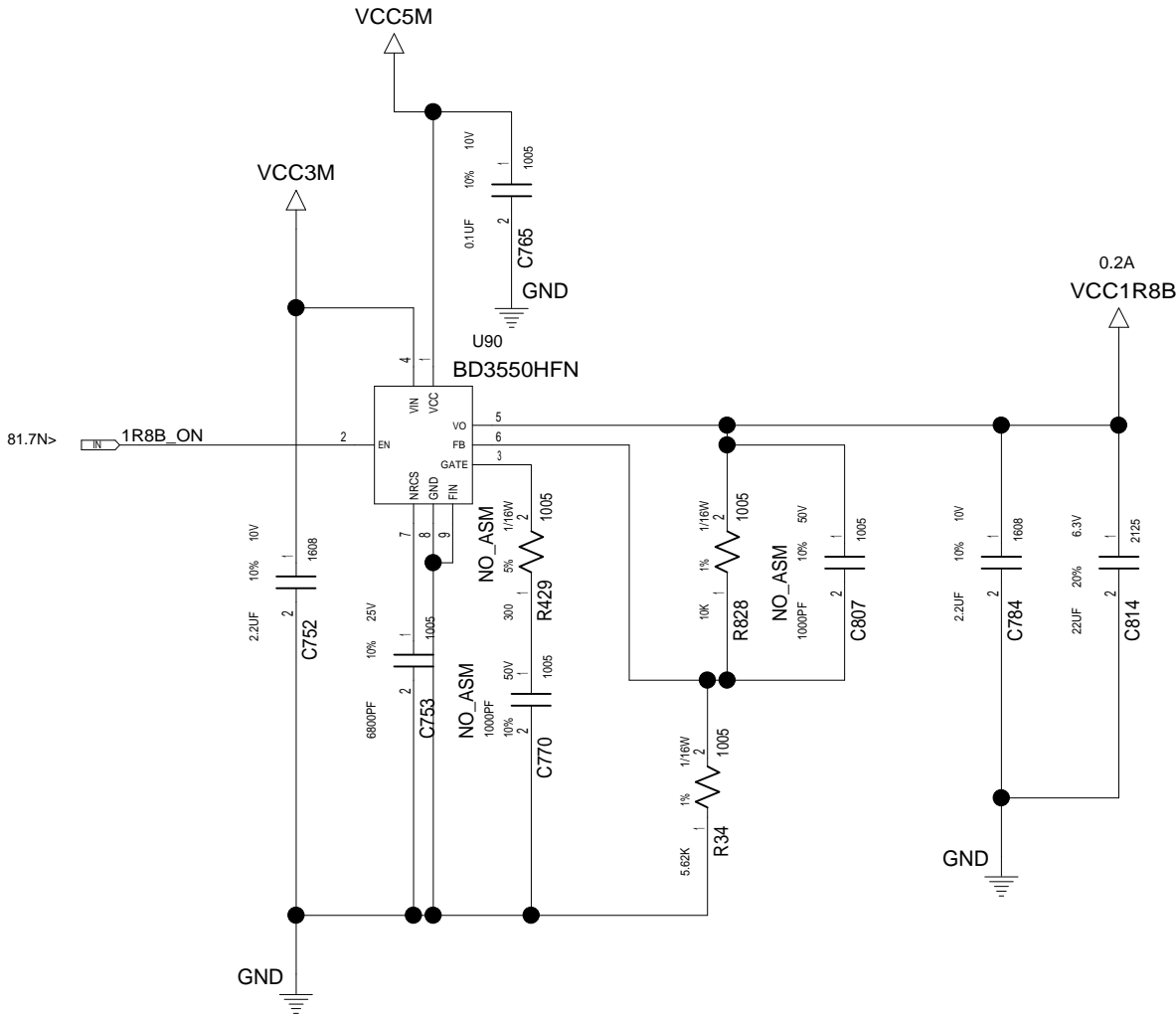


DESIGNER	Y.Y	09/28/07	PART NO.	
CHECKED	Y.I	09/28/07	VER.1.42	
APPROVED	H.K	09/28/07	TITLE MLB-3 EXT SDV	
CLASS	H.K	09/28/07	LOAD SW AUX	
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.			LENOVO CONFIDENTIAL	





DATE		EC NO.		PART NO.	
REL				VER.1.42	
				DEVELOPMENT NO.	
				Q/M	
				97 / 101	



DESIGNER	Y.Y	09/28/07	PART NO.	
CHECKED	Y.I	09/28/07	VER.1.42	
APPROVED	H.K	09/28/07	TITLE MLB-3 EXT SDV	
CLASS	H.K	09/28/07	DC/DC VCC1R8B	
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.			LENOVO CONFIDENTIAL	

DATE		EC NO.	PART NO.	
REL			VER.1.42	
			DEVELOPMENT NO.	
			Q/M	
			98 / 101	

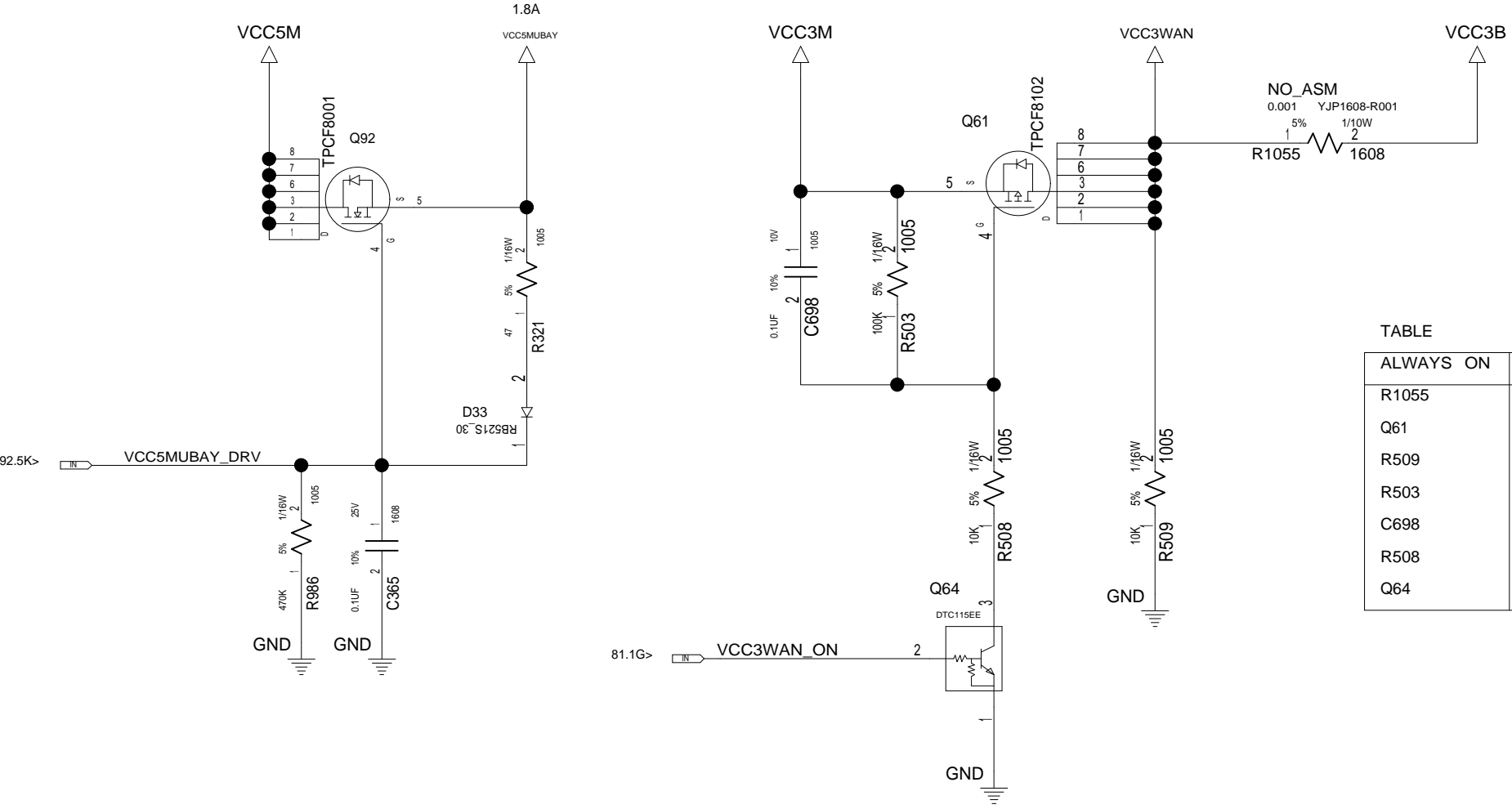
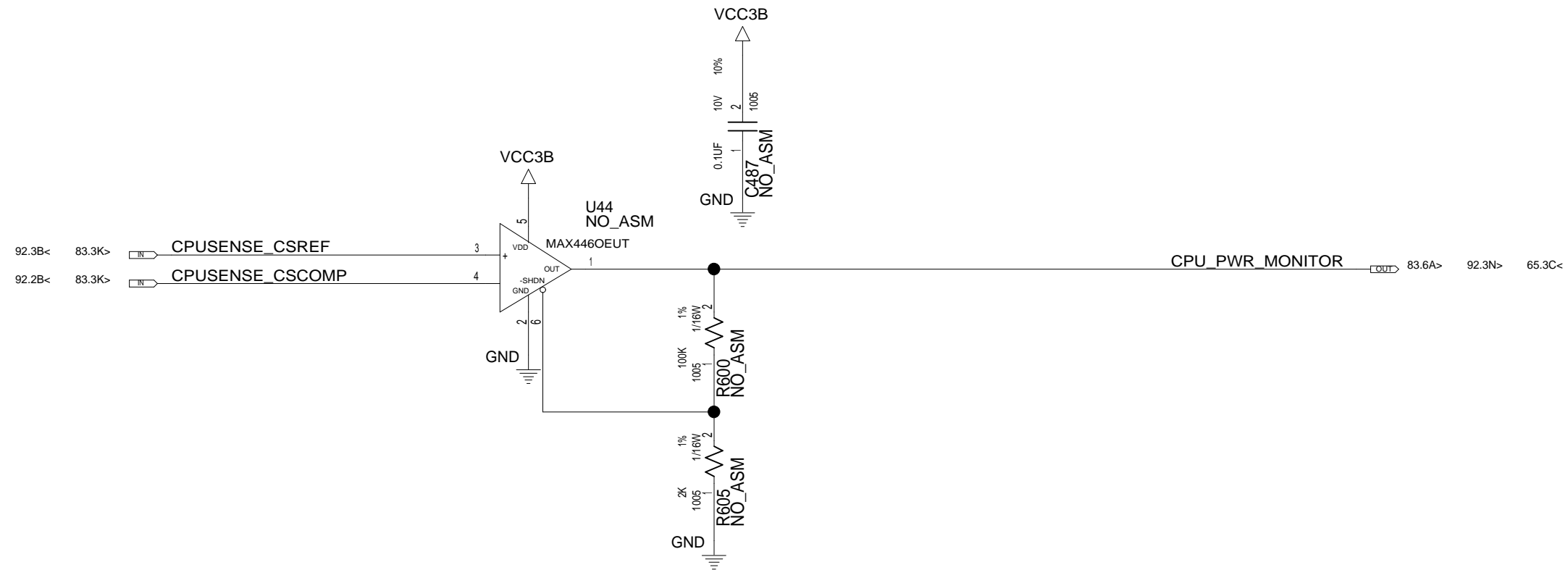


TABLE		
ALWAYS ON	YES	NO
R1055	NO_ASM	ASM
Q61	ASM	NO_ASM
R509	ASM	NO_ASM
R503	ASM	NO_ASM
C698	ASM	NO_ASM
R508	ASM	NO_ASM
Q64	ASM	NO_ASM

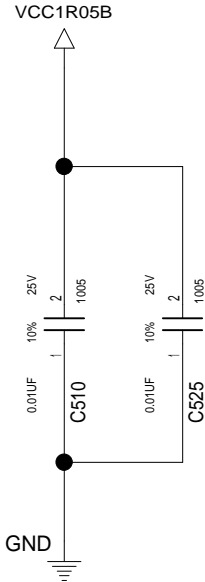
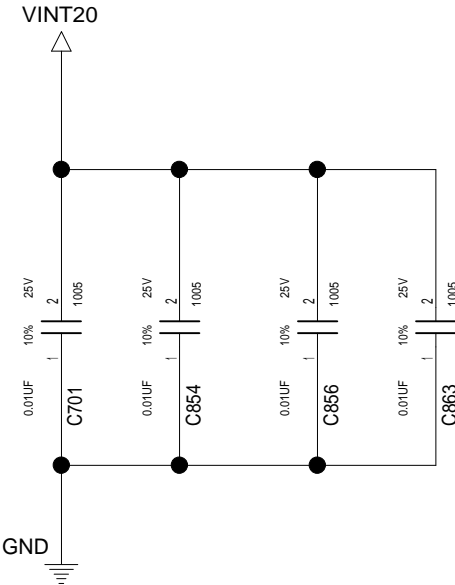
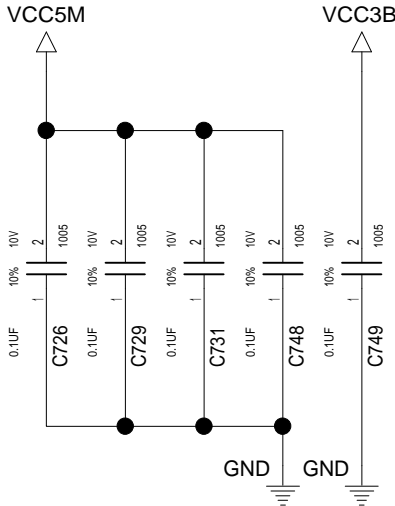
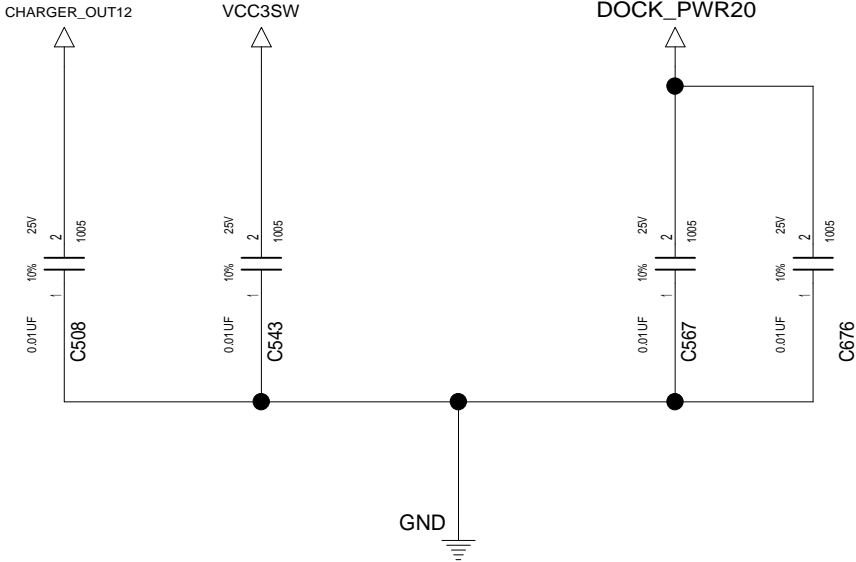
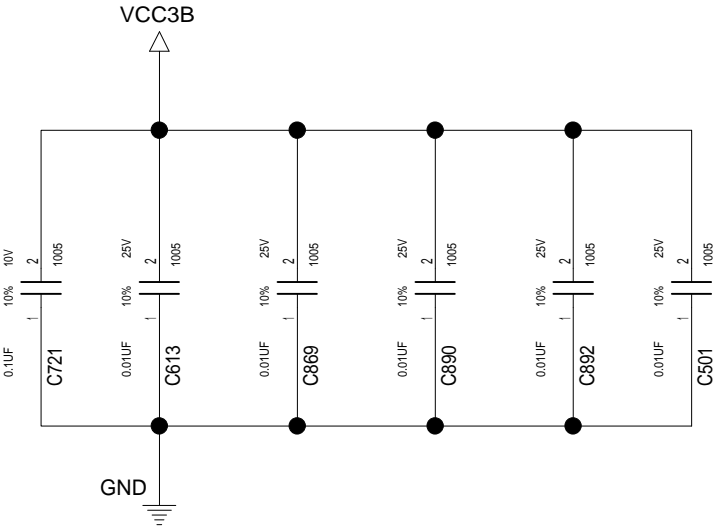
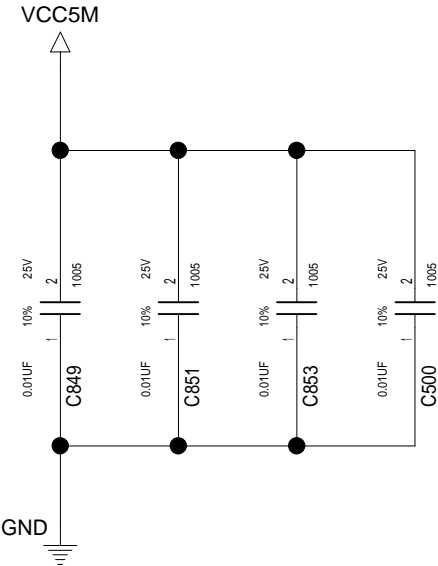
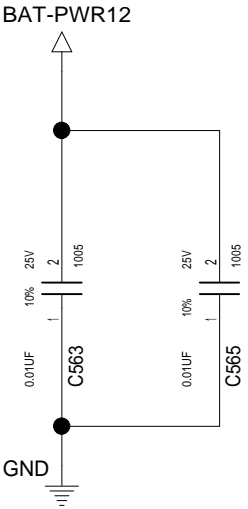
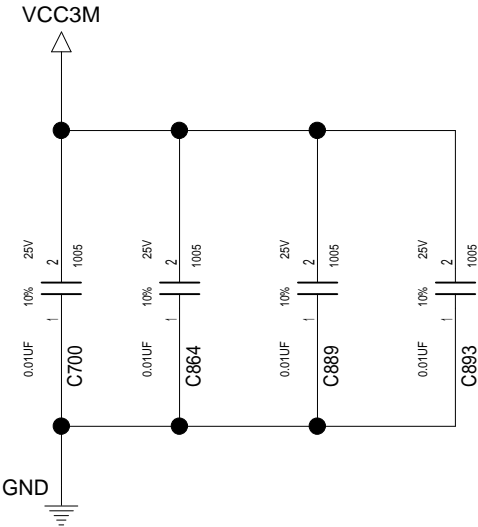
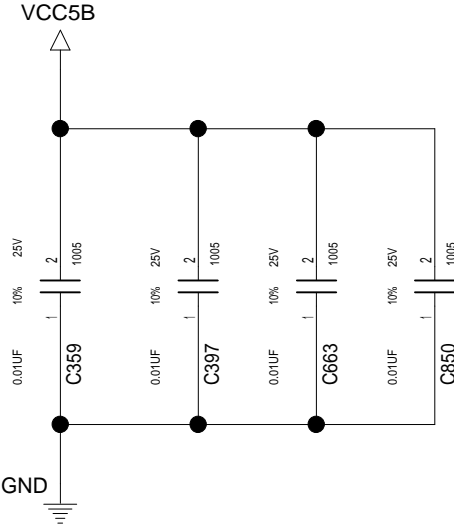
DESIGNER	Y.Y	09/28/07	PART NO.	
CHECKED	Y.I	09/28/07	VER.1.42	
APPROVED	H.K	09/28/07	TITLE MLB-3 EXT SDV	
CLASS	H.K	09/28/07	LOAD SW UBAY&WWAN	
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.			LENOVO CONFIDENTIAL	



DESIGNER	Y.Y	09/28/07	PART NO. <b>VER.1.42</b>	
CHECKED	Y.I	09/28/07		
APPROVED	H.K	09/28/07	TITLE    MLB-3    EXT    SDV	
CLASS	H.K	09/28/07	CPU    POWER    MOMITOR	
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.			LENOVO CONFIDENTIAL	

VER.1.42

	DATE	EC NO.
REL		

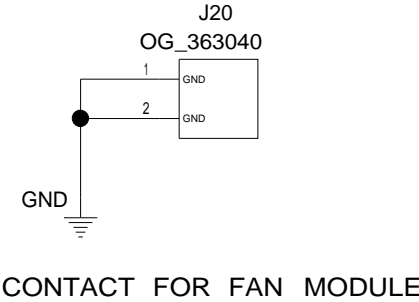
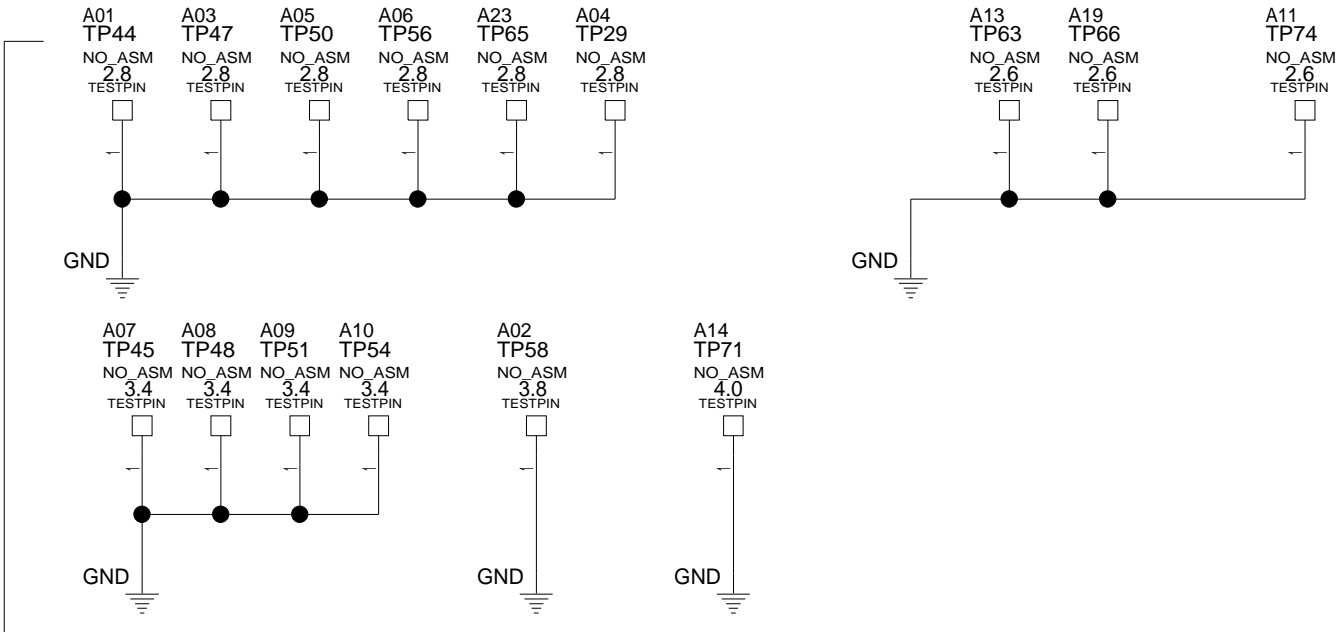


DESIGNER	Y.Y	09/28/07	PART NO.	VER.1.42
CHECKED	Y.I	09/28/07	TITLE	MLB-3 EXT SDV
APPROVED	H.K	09/28/07	EMC DECOUPLING	
CLASS	H.K	09/28/07	LENovo CONFIDENTIAL	



	DATE	EC NO.
REL		

PTH FOR SCREW HOLE



DESIGNER	Y.Y	09/28/07	PART NO.	VER.1.42
CHECKED	Y.I	09/28/07		
APPROVED	H.K	09/28/07	TITLE	MLB-3 EXT SDV
CLASS	H.K	09/28/07		PTH FOR SCREW HOLES
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.				LENOVO CONFIDENTIAL