

CORONADO-5 INT SOVP LOGIC SCHEMATICS

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91.

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COR5I-7
VER 4.06
MAY/30/2008

BASE LOGIC:COR-5 INT SVT
VER 3.09
APR/02/2008

96.

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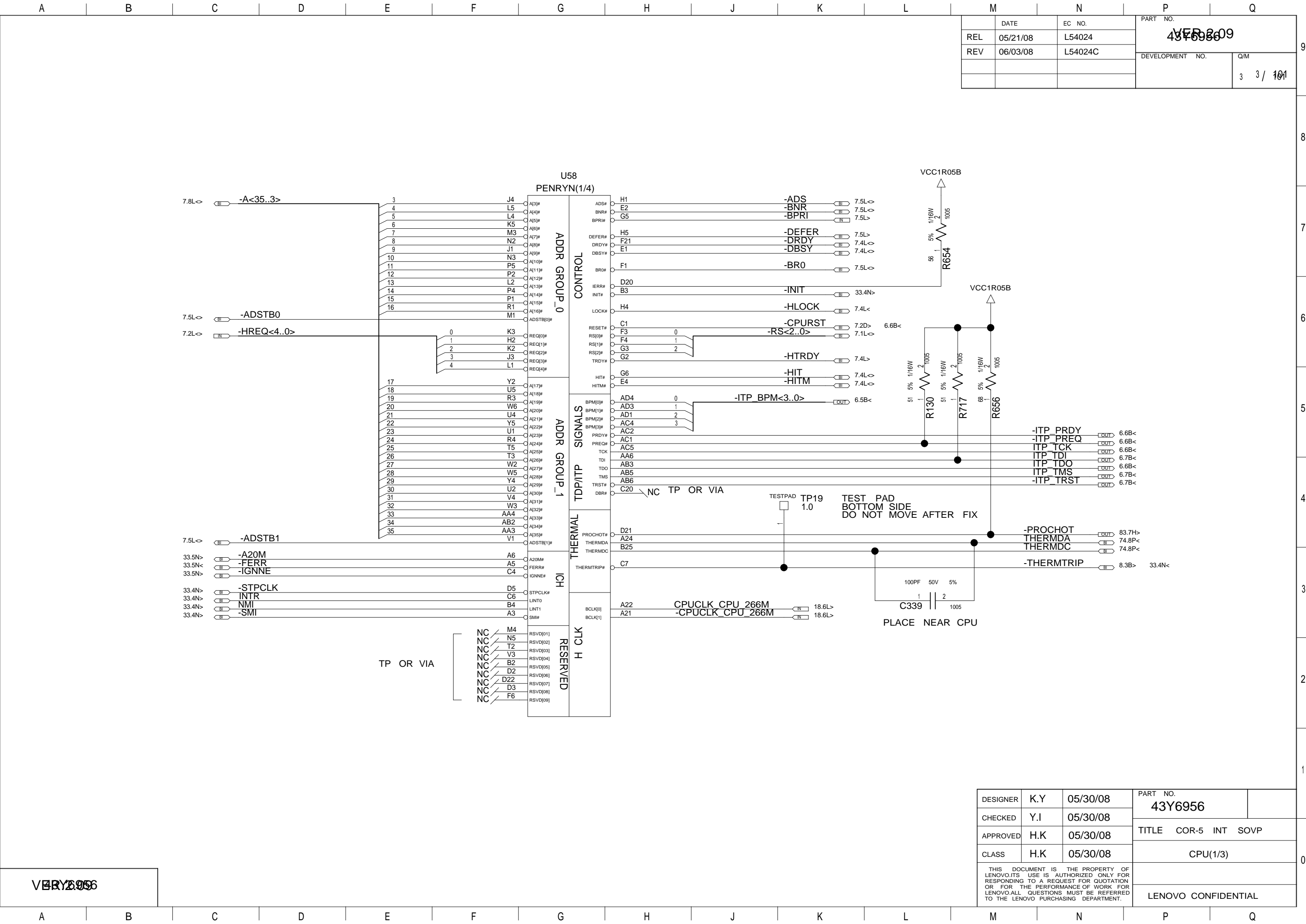
EMC DECOUPLING
101.

PTH FOR SCREW HOLES

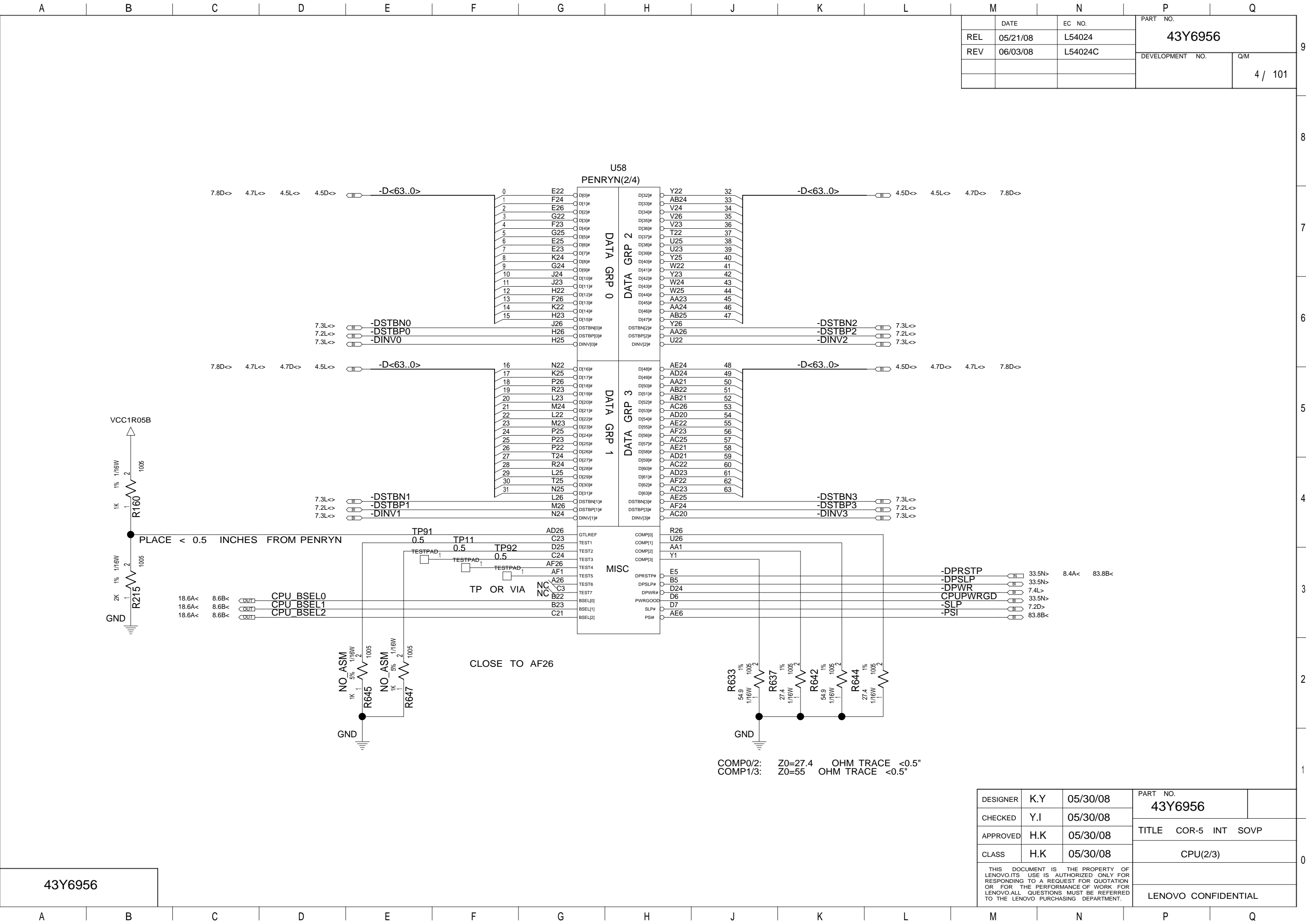
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43Y6956

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																						REV	06/03/08	L54024C	DEVELOPMENT NO.		Q/M																					
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CORONADO-5 SDV		: BASE LOGIC		COR-5 PDV		VER.0.43		06/18/2007																																								
CORONADO-5 SDV		: BASE LOGIC		COR-5 SDV		VER.1.17		07/17/2007																																								
CORONADO-5 SDV_I		: BASE LOGIC		COR-5 SDV		VER.2.00		07/19/2007																																								
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CORONADO-5 SIT_I		: BASE LOGIC		COR-5 SIV_I		VER.1.17		11/09/2007		CORONADO-5 SVT_I		: BASE LOGIC		COR-5 SIT_I		VER.2.37		02/14/2008																														
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VER.2.02		11/15/2007		APPLIED		SIV_EC528-530,SIT_EC002				VER.3.02		02/28/2008		APPLIED		SVT_EC006																																
VER.2.03		11/19/2007		APPLIED		SIV_EC531,532,534,535				VER.3.03		03/03/2008		APPLIED		SVT_EC007-009																																
VER.2.04		11/21/2007		APPLIED		SIV_EC538-541				VER.3.04		03/04/2008		APPLIED		SVT_EC010,011																																
VER.2.05		11/22/2007		APPLIED		SIV_EC542,544-546				VER.3.05		03/10/2008		APPLIED		SVT_EC013,014																																
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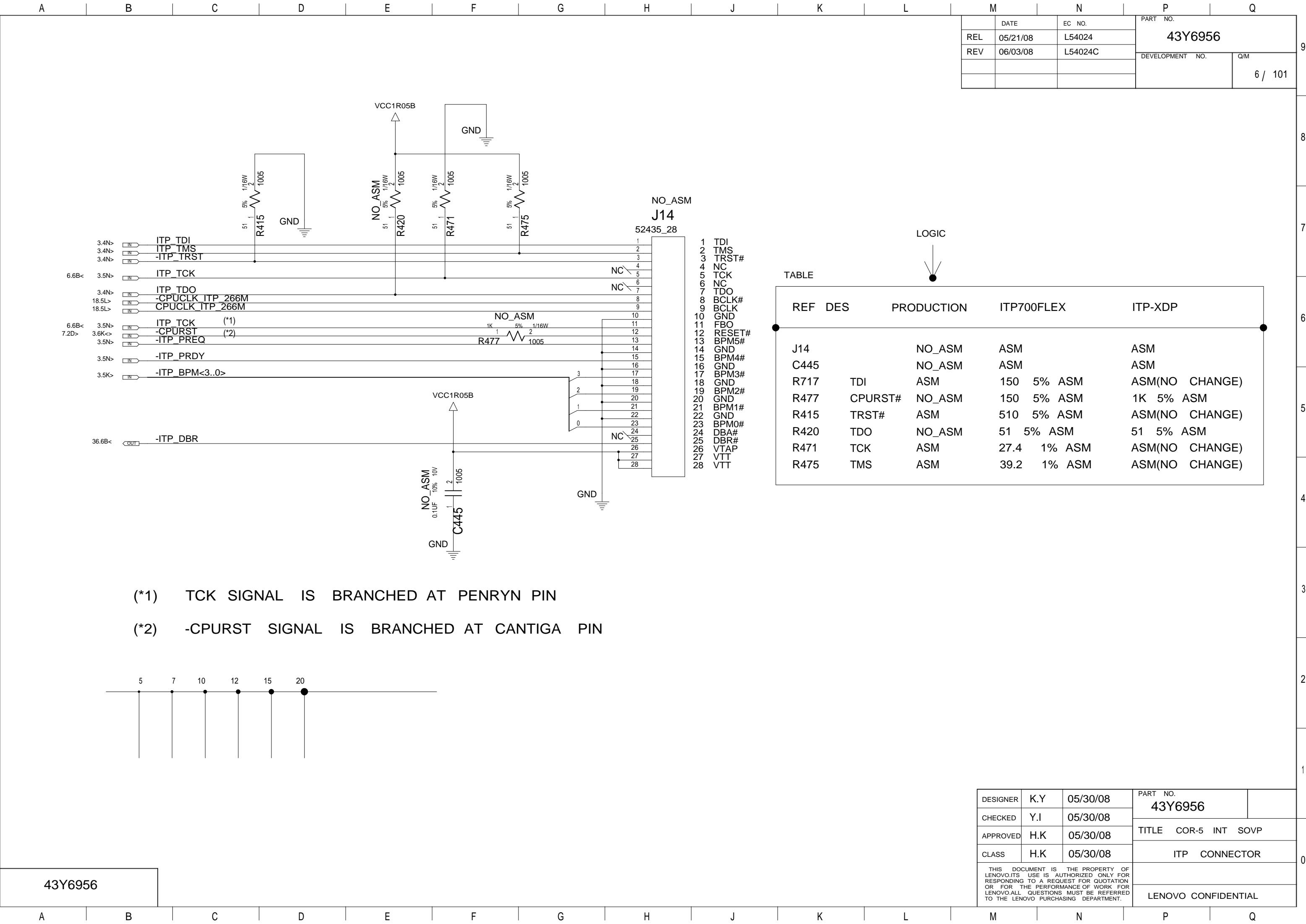
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CLASS	H.K	05/30/08	CPU(1/3)	
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M		N		P		Q	
	DATE	EC NO.	PART NO. 43Y6956				
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REV	06/03/08	L54024C					
			DEVELOPMENT NO.				Q/M
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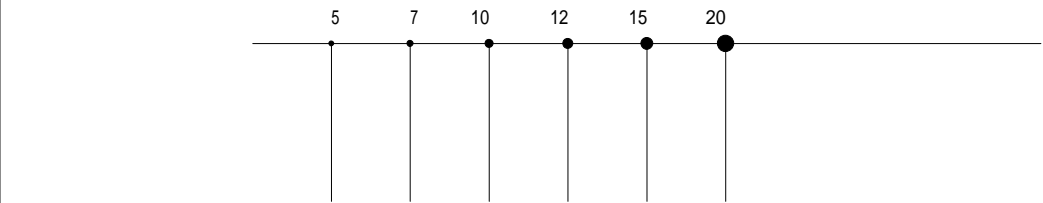
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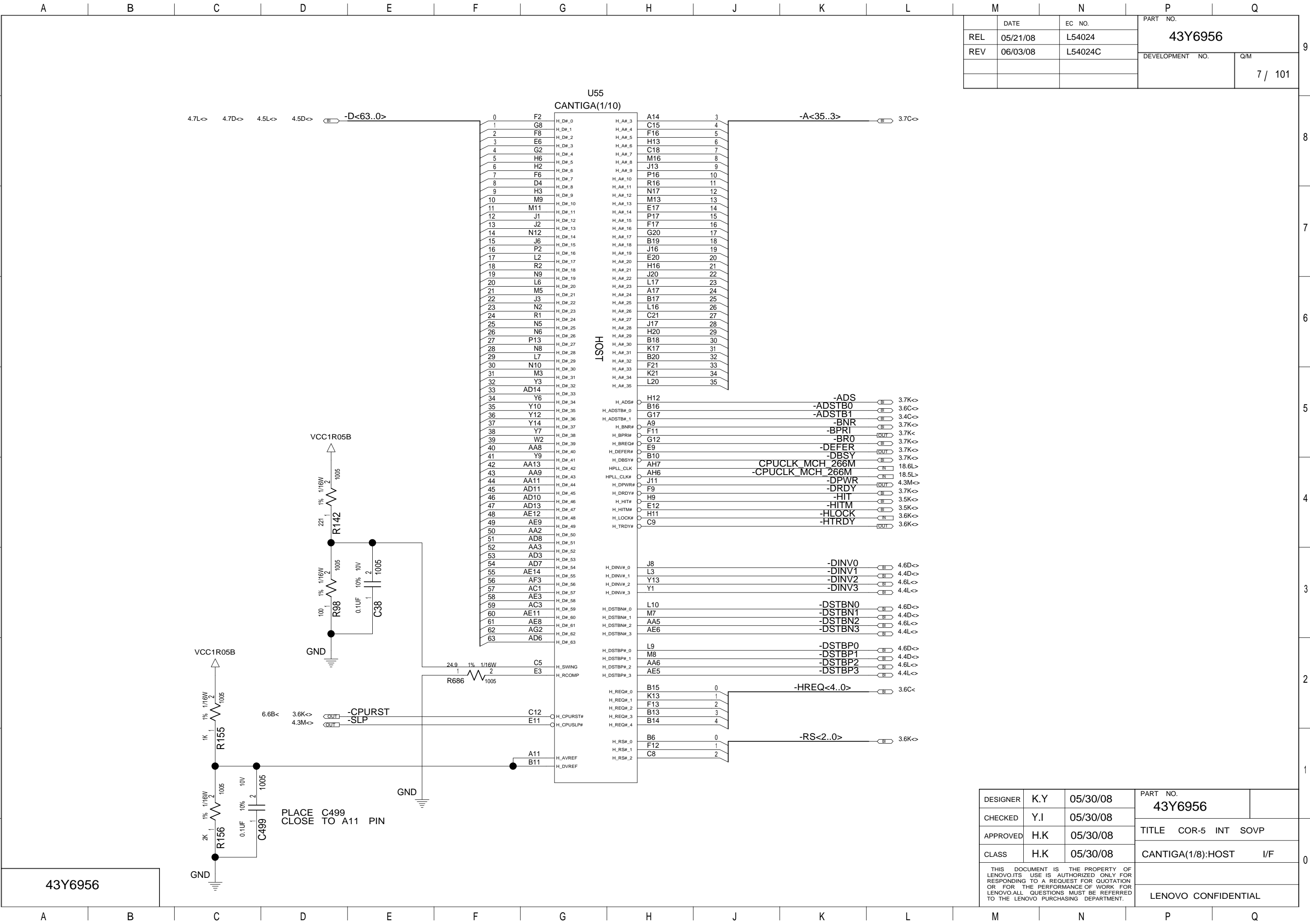
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CLASS	H.K	05/30/08	CPU(2/3)		
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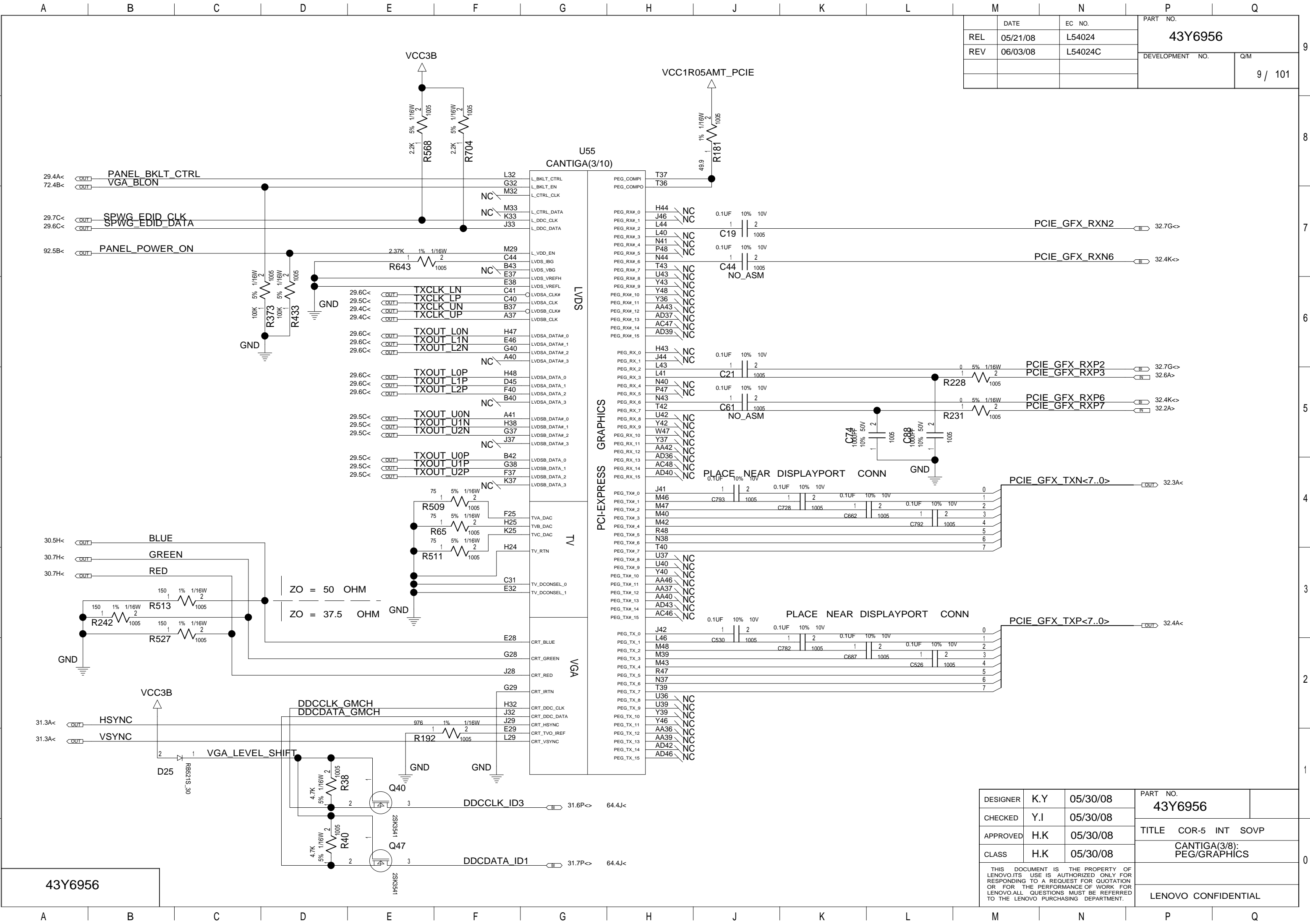


(*1) TCK SIGNAL IS BRANCHED AT PENRYN PIN

(*2) -CPURST SIGNAL IS BRANCHED AT CANTIGA PIN

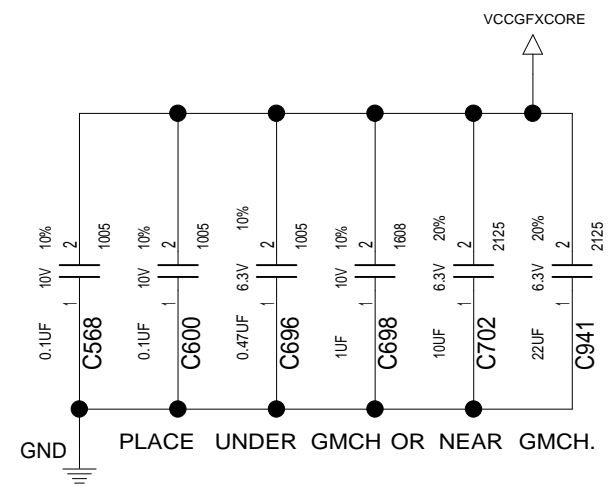
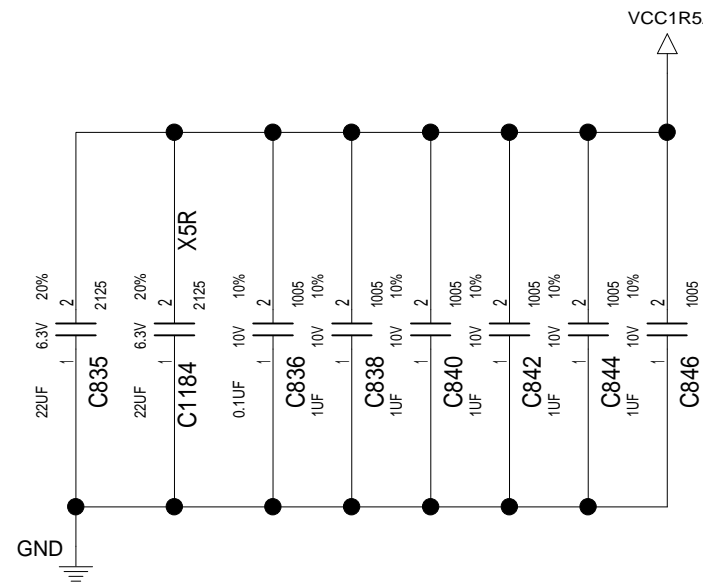
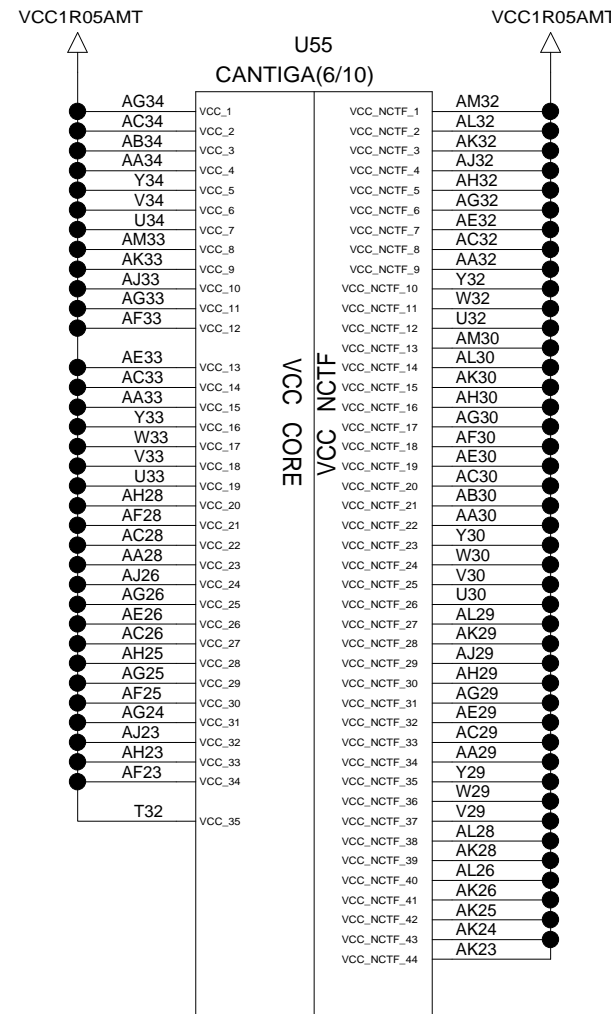
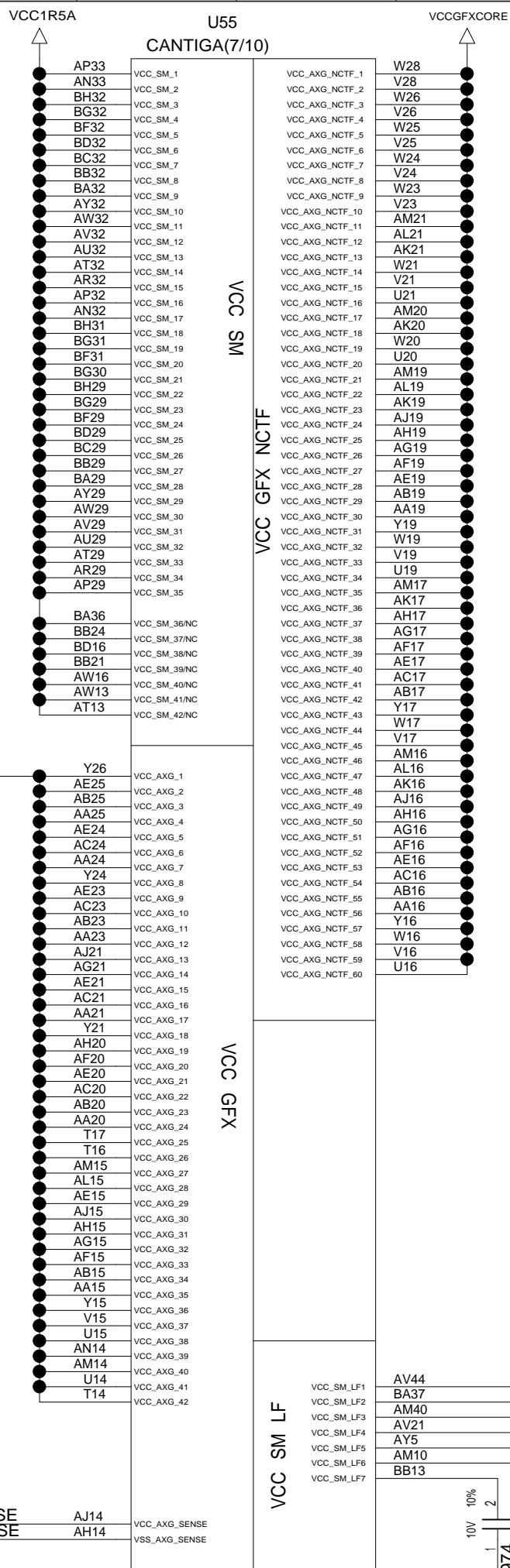
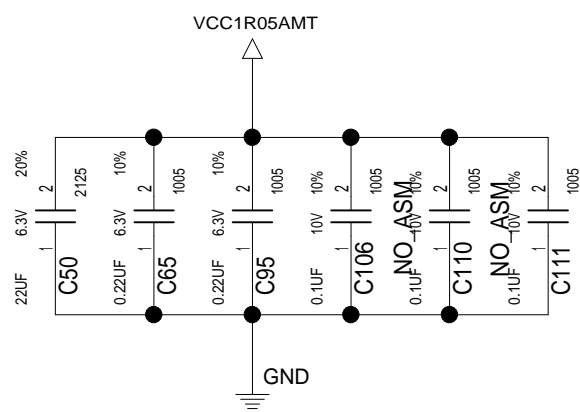
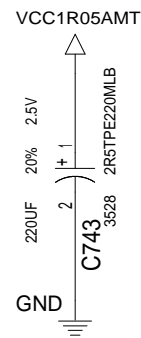
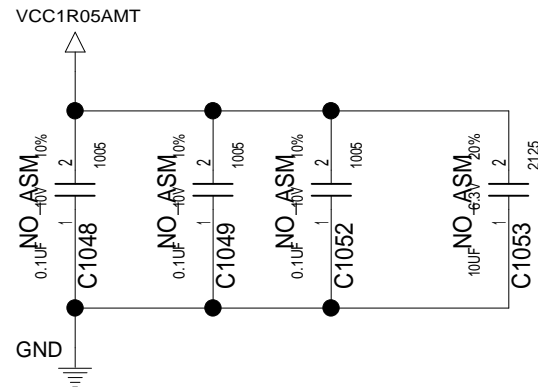






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REV	06/03/08	L54024C		DEVELOPMENT NO. Q/M 9 / 101			

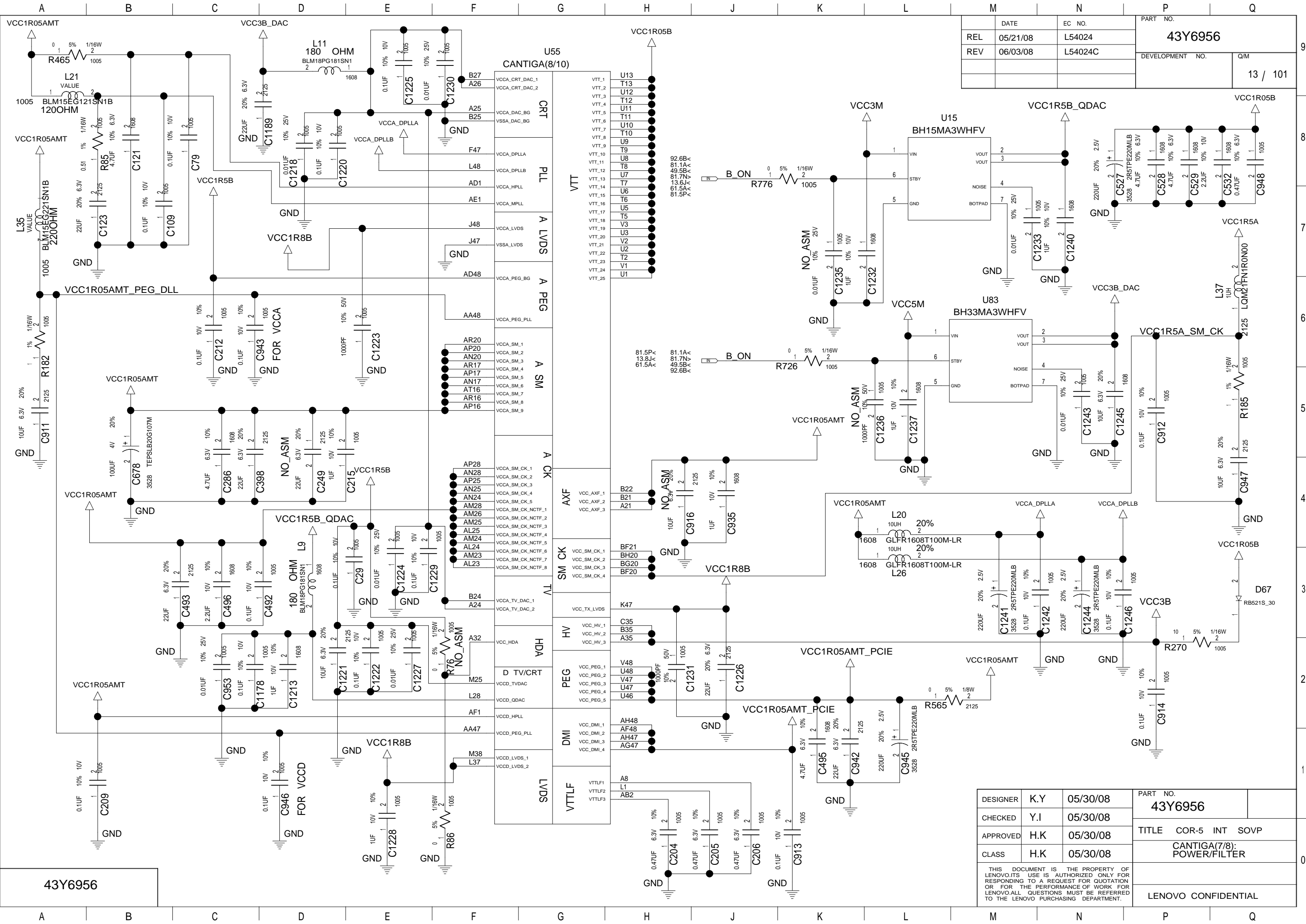
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CLASS	H.K	05/30/08	CANTIGA(3/8): PEG/GRAPHICS	
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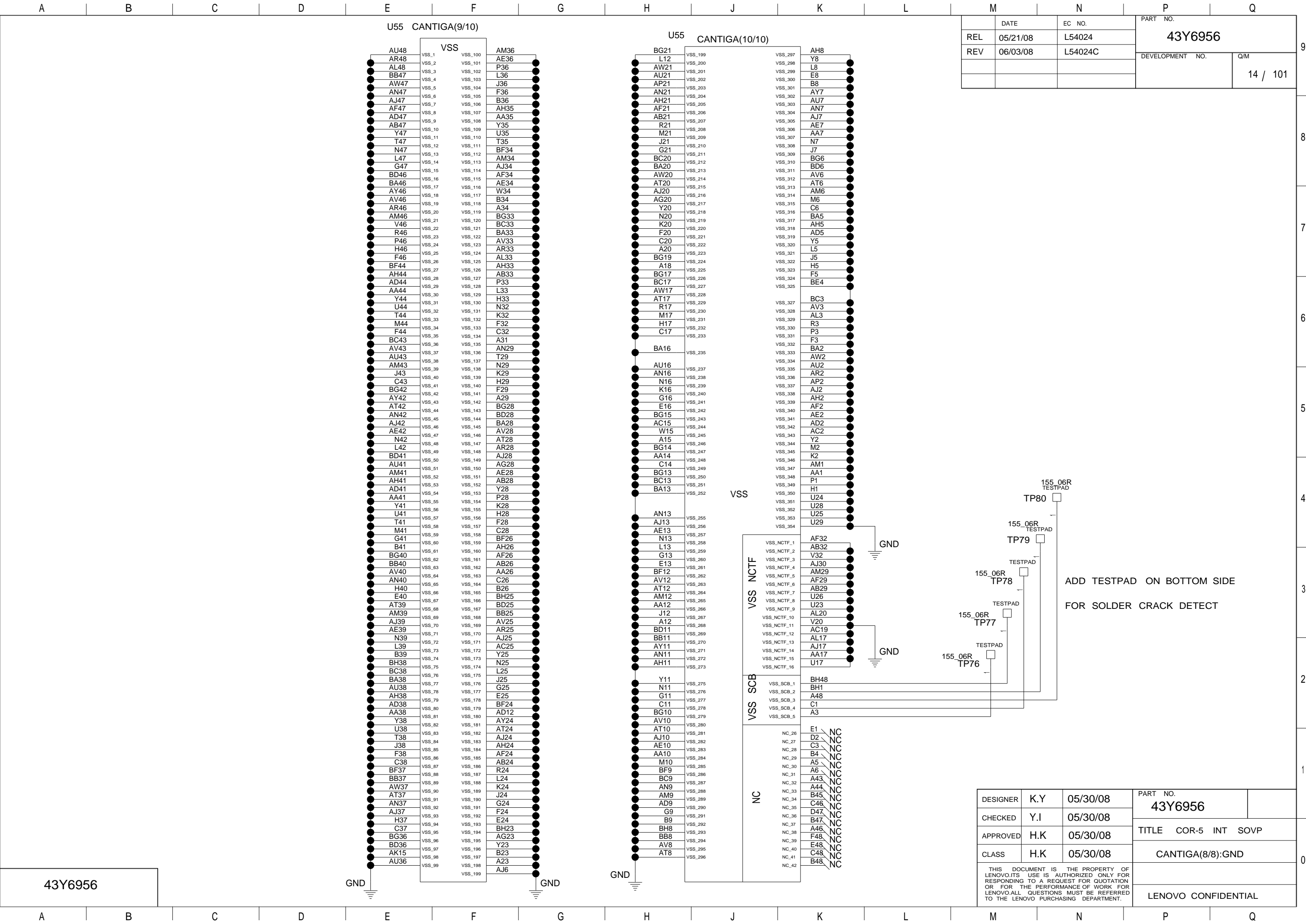
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CLASS	H.K	05/30/08	CANTIGA(6/8):POWER
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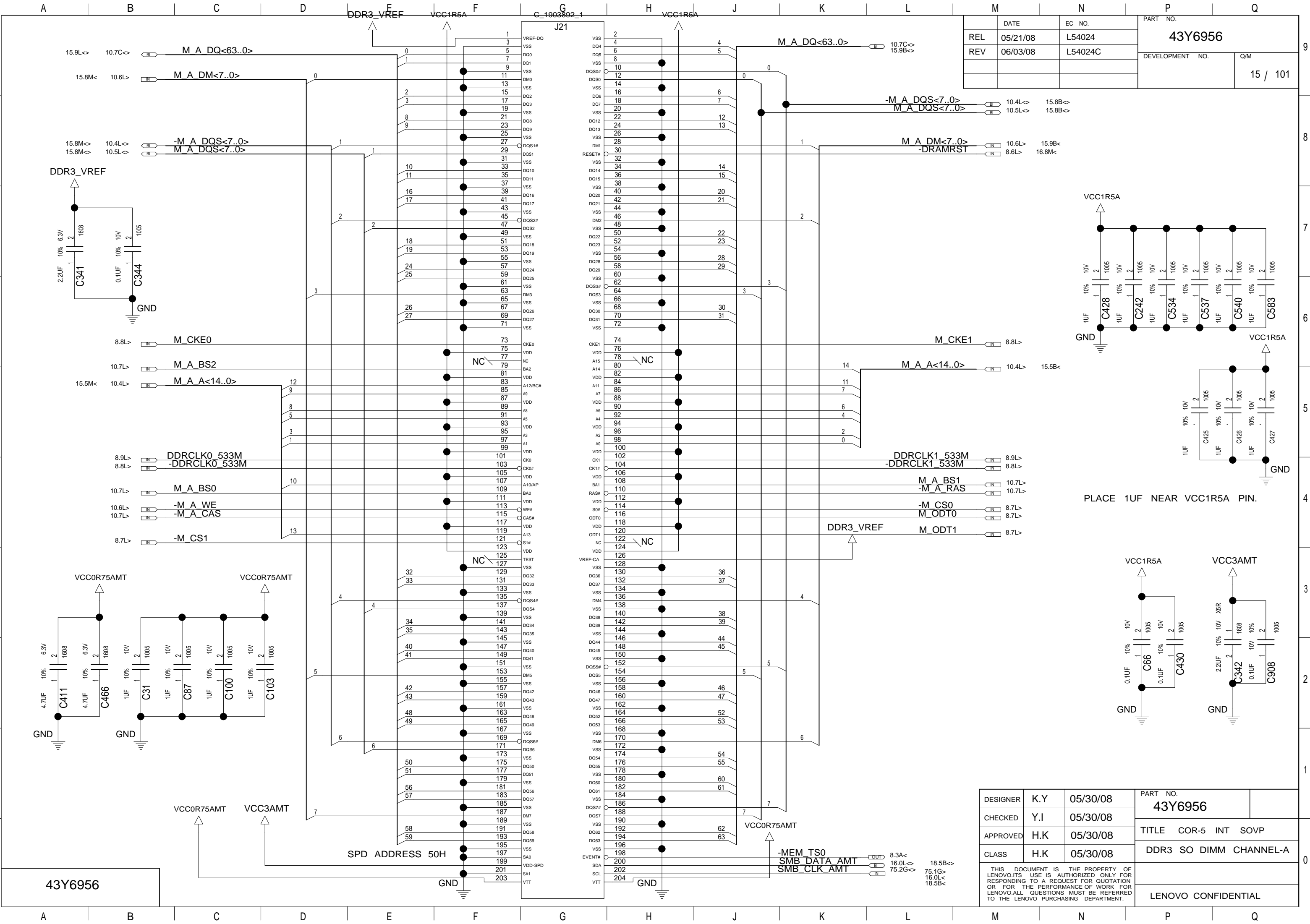
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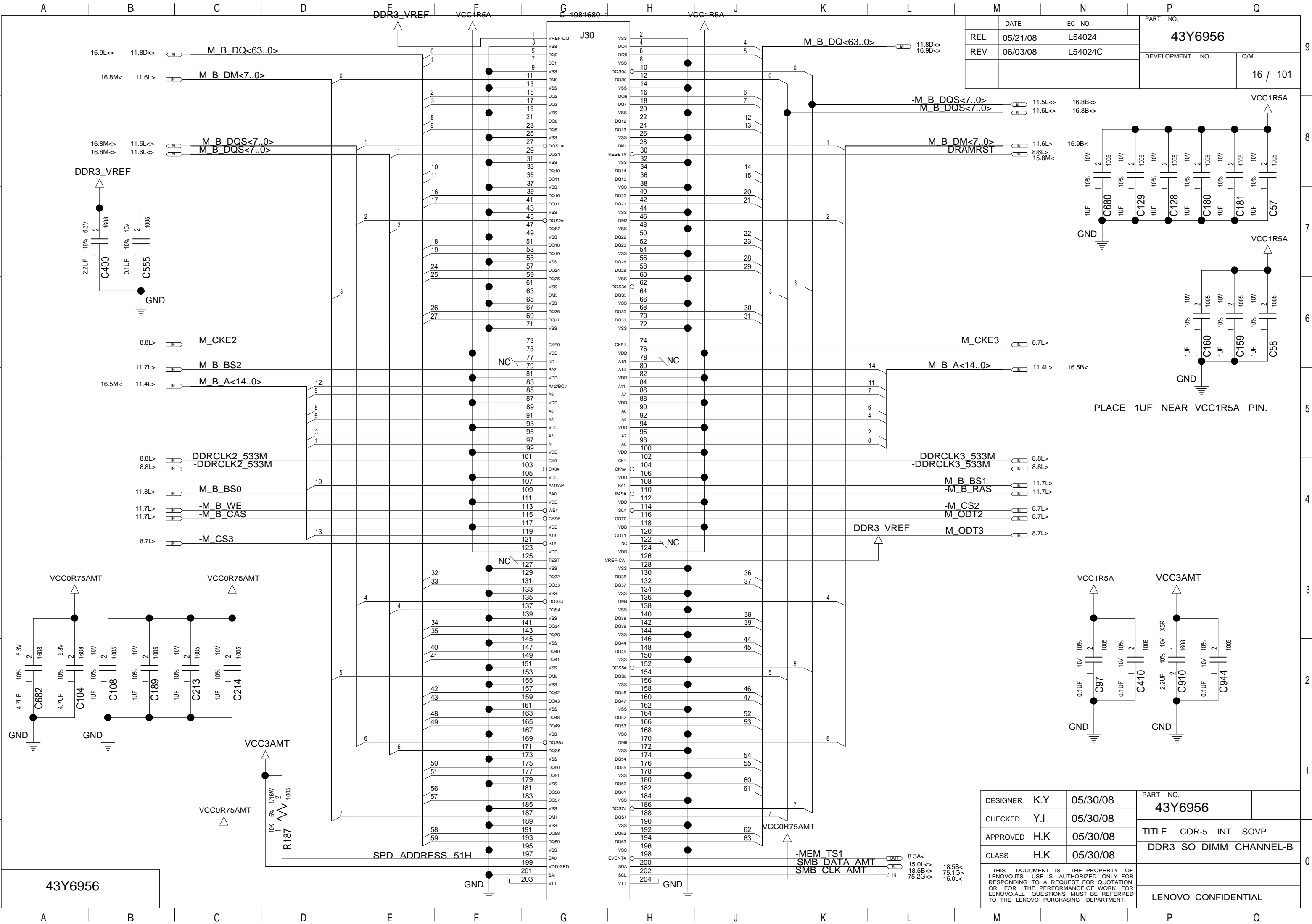
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CLASS	H.K	05/30/08	CANTIGA(7/8): POWER/FILTER	
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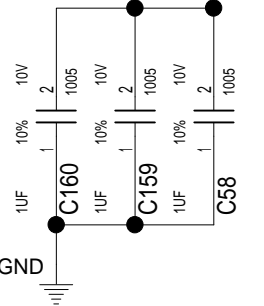
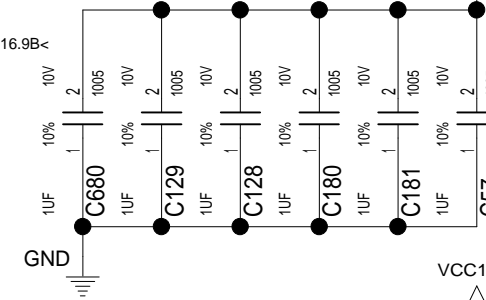
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CLASS	H.K	05/30/08	CANTIGA(8/8):GND	
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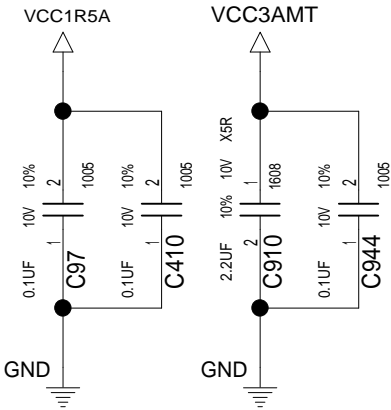




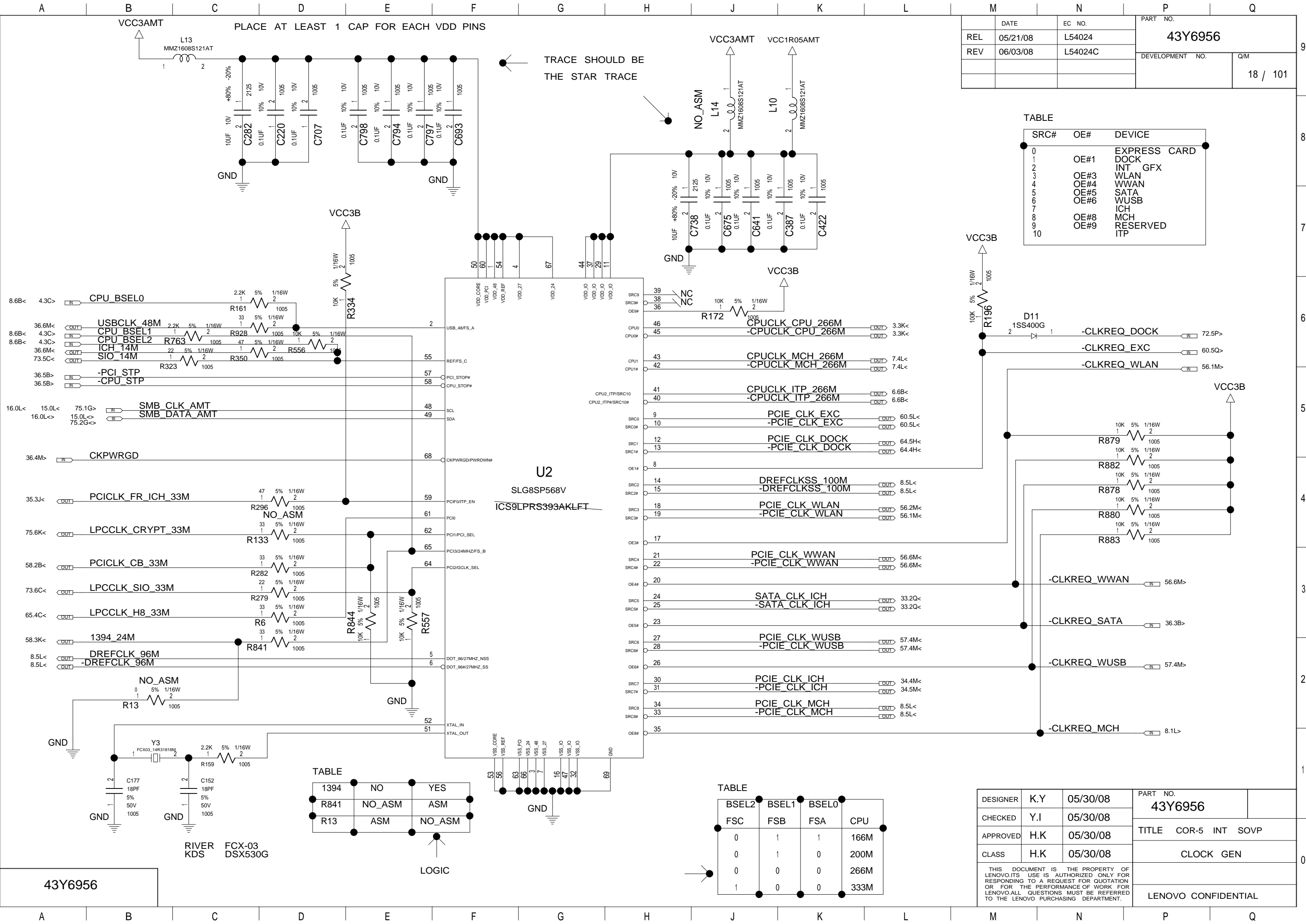
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REV	06/03/08	L54024C	DEVELOPMENT NO.	Q/M
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PLACE 1UF NEAR VCC1R5A PIN.



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CLASS	H.K	05/30/08	DDR3 SO DIMM CHANNEL-B	
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	DATE	EC NO.	PART NO.	
REL	05/21/08	L54024	43Y6956	
REV	06/03/08	L54024C	DEVELOPMENT NO.	Q/M
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TABLE

SRC#	OE#	DEVICE
0		EXPRESS CARD
1	OE#1	DOCK
2		INT GFX
3	OE#3	WLAN
4	OE#4	WWAN
5	OE#5	SATA
6	OE#6	WUSB
7		ICH
8	OE#8	MCH
9	OE#9	RESERVED
10		ITP

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													DATE	EC NO.		PART NO. 43Y6956			
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												REV	06/03/08	L54024C		DEVELOPMENT NO.		Q/M 23 / 101	
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												CHECKED	Y.I	05/30/08	TITLE COR-5 INT SOVP				
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												THIS DOCUMENT IS THE PROPERTY OF LENOVO.IT'S 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.							
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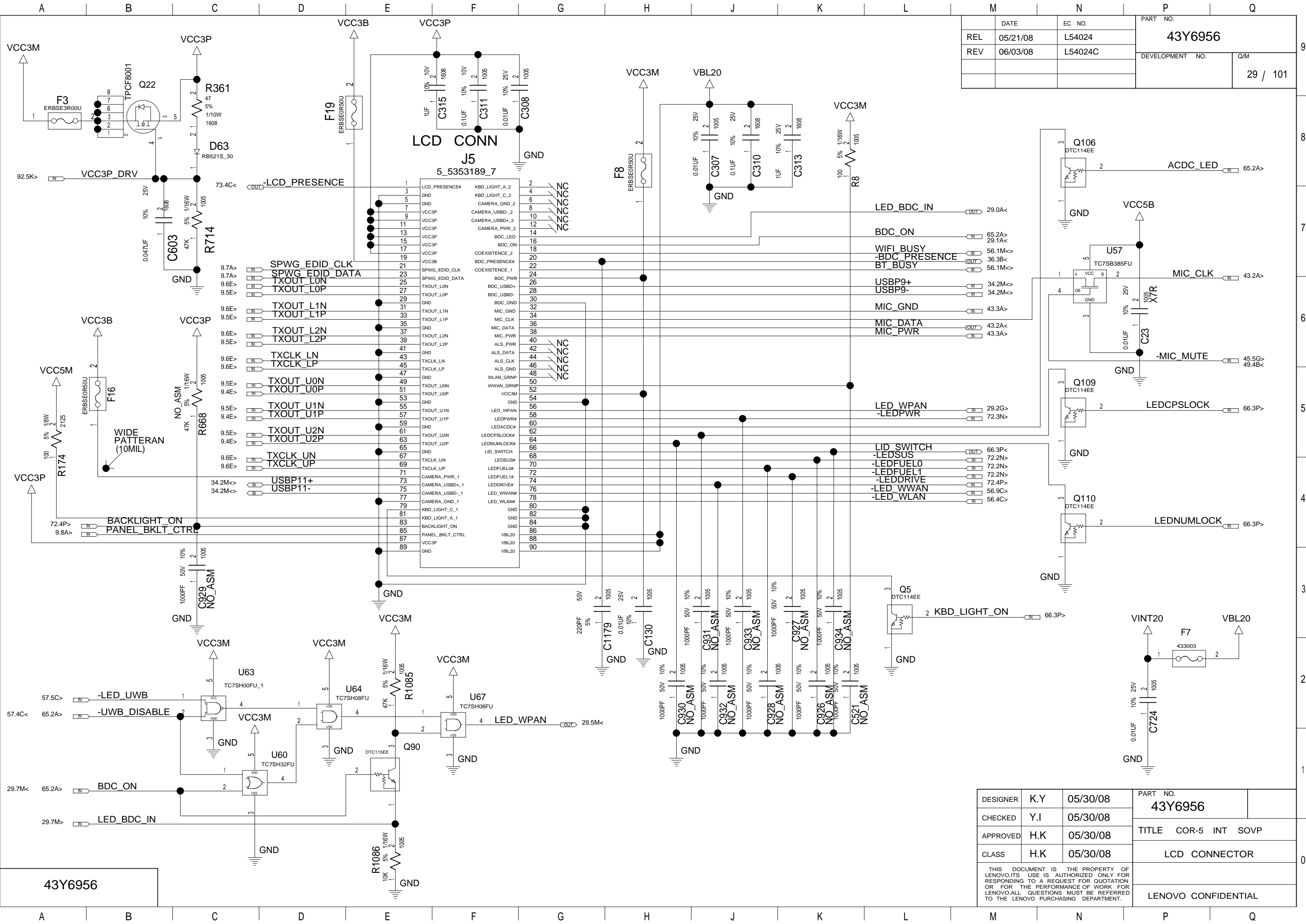
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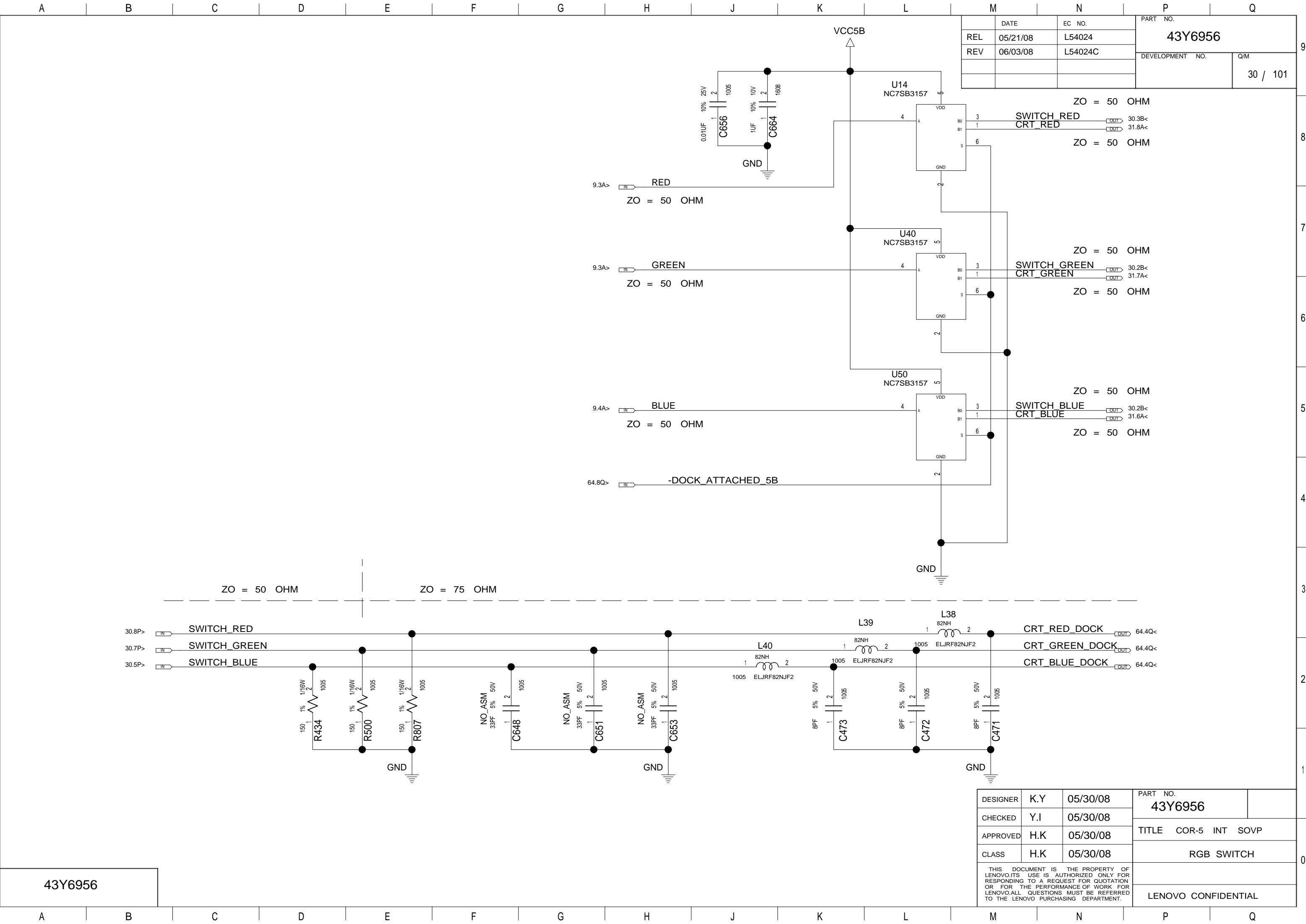
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																									REL	05/21/08		L54024									
																									REV	06/03/08		L54024C									
																														DEVELOPMENT NO.				Q/M 28 / 101			
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																										DESIGNER		K.Y		05/30/08		PART NO. 43Y6956					
																										CHECKED		Y.I		05/30/08		TITLE COR-5 INT SOVP					
																										APPROVED		H.K		05/30/08							
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																										THIS DOCUMENT IS THE PROPERTY OF LENOVO.IT'S 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.											
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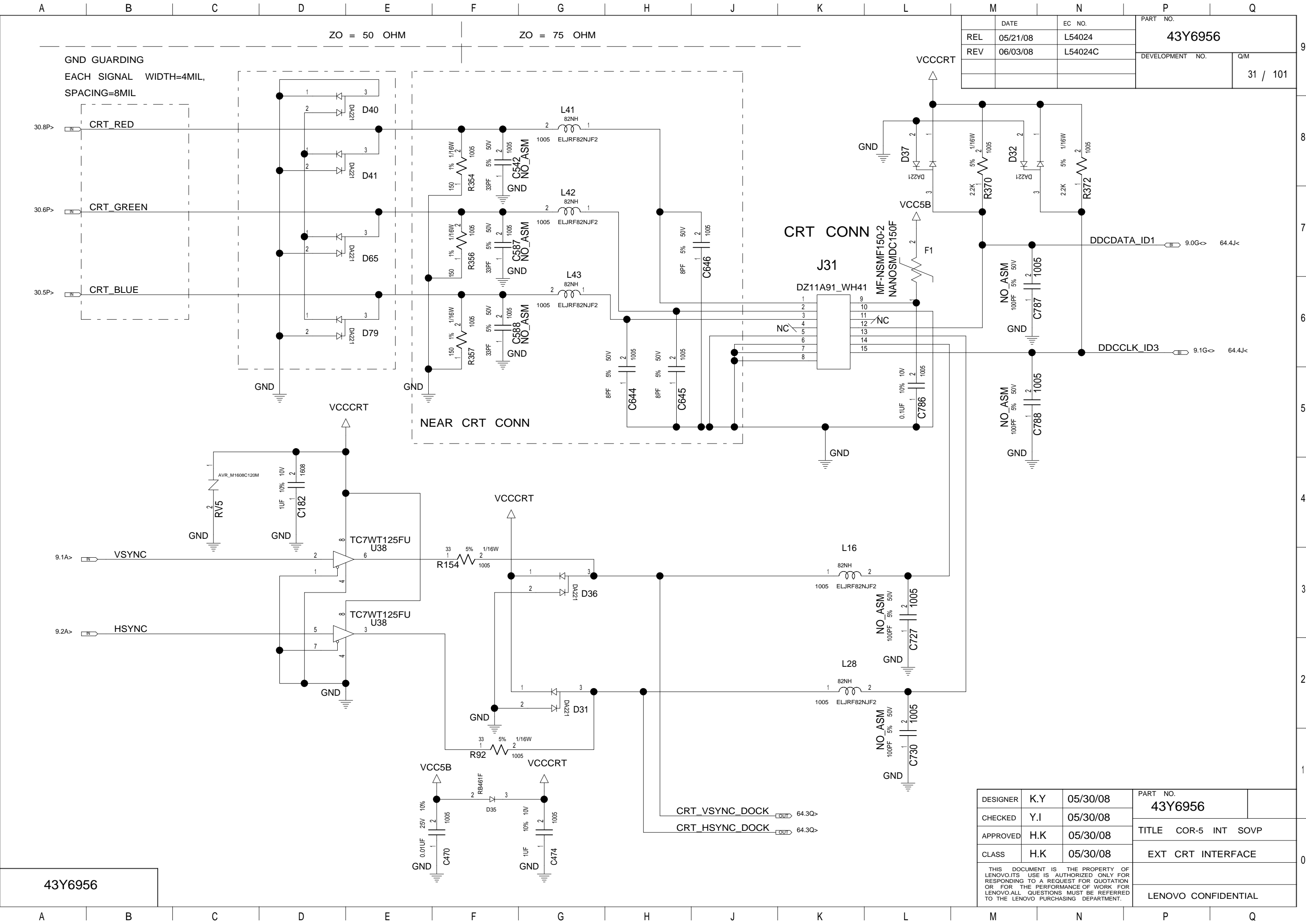
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REL	05/21/08	L54024	43Y6956	
REV	06/03/08	L54024C	DEVELOPMENT NO.	Q/M
				29 / 101

DESIGNER	K.Y	05/30/08	PART NO.	
CHECKED	Y.I	05/30/08	43Y6956	
APPROVED	H.K	05/30/08	TITLE COR-5 INT SOVP	
CLASS	H.K	05/30/08	LCD CONNECTOR	
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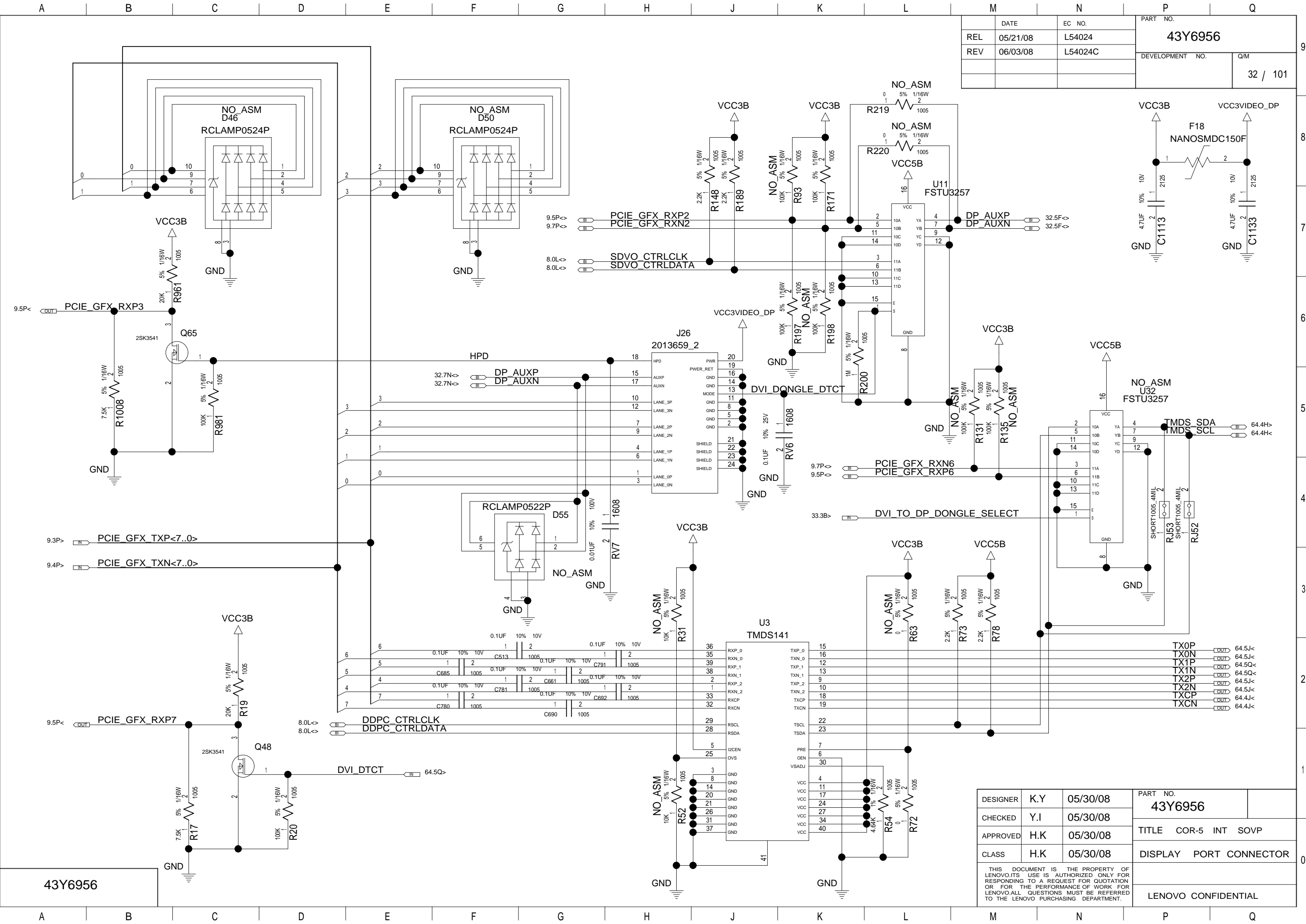
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REL	05/21/08	L54024	43Y6956	
REV	06/03/08	L54024C	DEVELOPMENT NO.	
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			30 / 101	

DESIGNER	K.Y	05/30/08	PART NO.	
CHECKED	Y.I	05/30/08	43Y6956	
APPROVED	H.K	05/30/08	TITLE COR-5 INT SOVP	
CLASS	H.K	05/30/08	RGB SWITCH	
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	DATE	EC NO.	PART NO. 43Y6956	
REL	05/21/08	L54024		
REV	06/03/08	L54024C	DEVELOPMENT NO.	Q/M
				31 / 101

DESIGNER	K.Y	05/30/08	PART NO. 43Y6956	
CHECKED	Y.I	05/30/08		
APPROVED	H.K	05/30/08	TITLE COR-5 INT SOVP	
CLASS	H.K	05/30/08	EXT CRT INTERFACE	
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	05/21/08	L54024	43Y6956	
REV	06/03/08	L54024C	DEVELOPMENT NO.	Q/M
				32 / 101

DESIGNER	K.Y	05/30/08	PART NO.	
CHECKED	Y.I	05/30/08	43Y6956	
APPROVED	H.K	05/30/08	TITLE COR-5 INT SOVP	
CLASS	H.K	05/30/08	DISPLAY PORT CONNECTOR	
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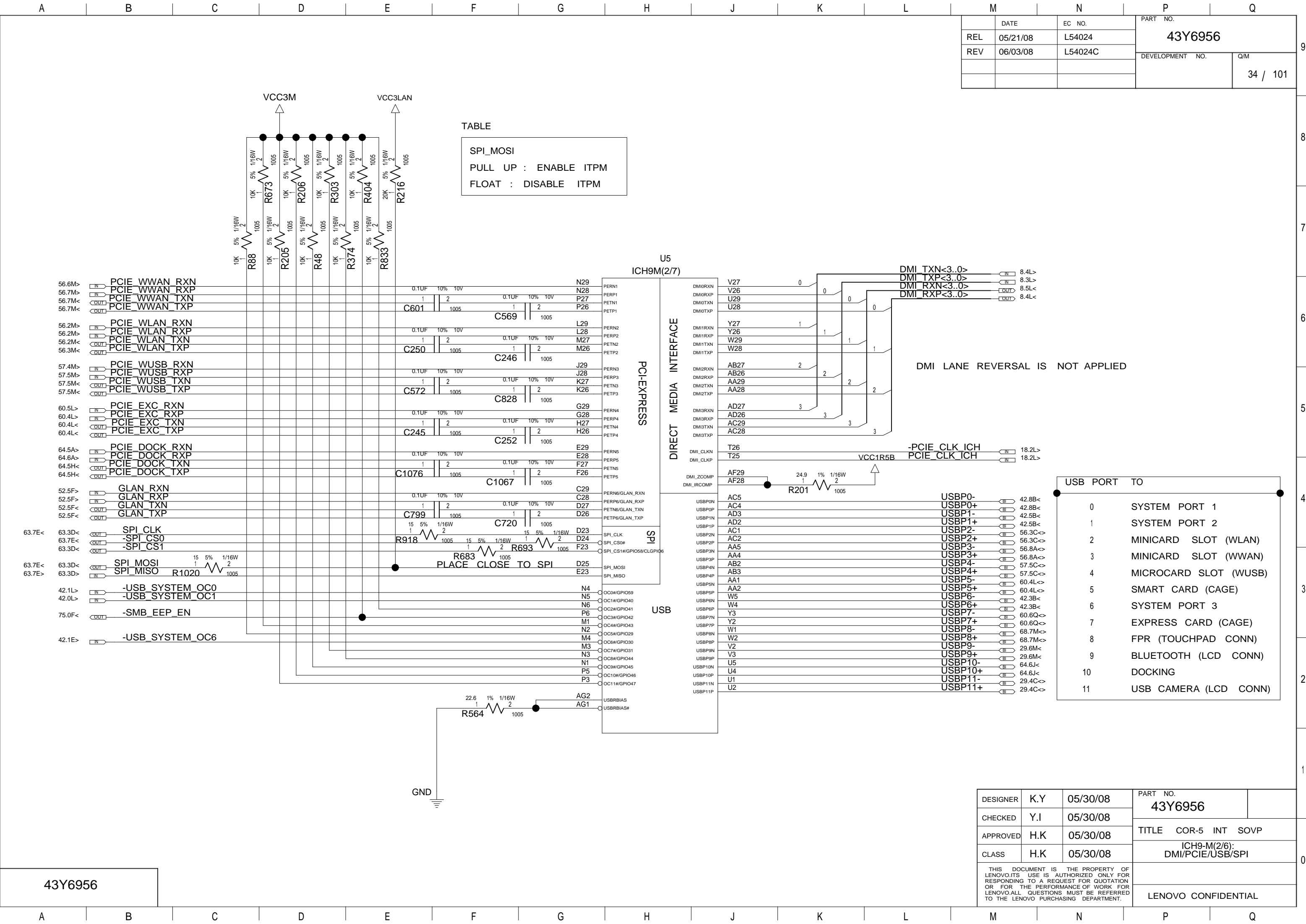
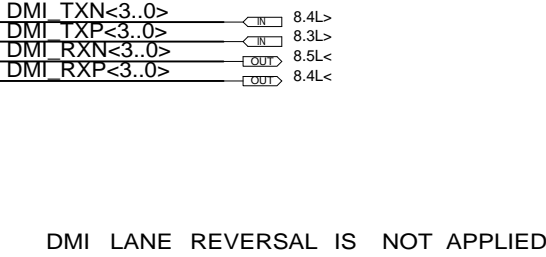


TABLE	
SPI_MOSI	
PULL UP : ENABLE ITPM	
FLOAT : DISABLE ITPM	

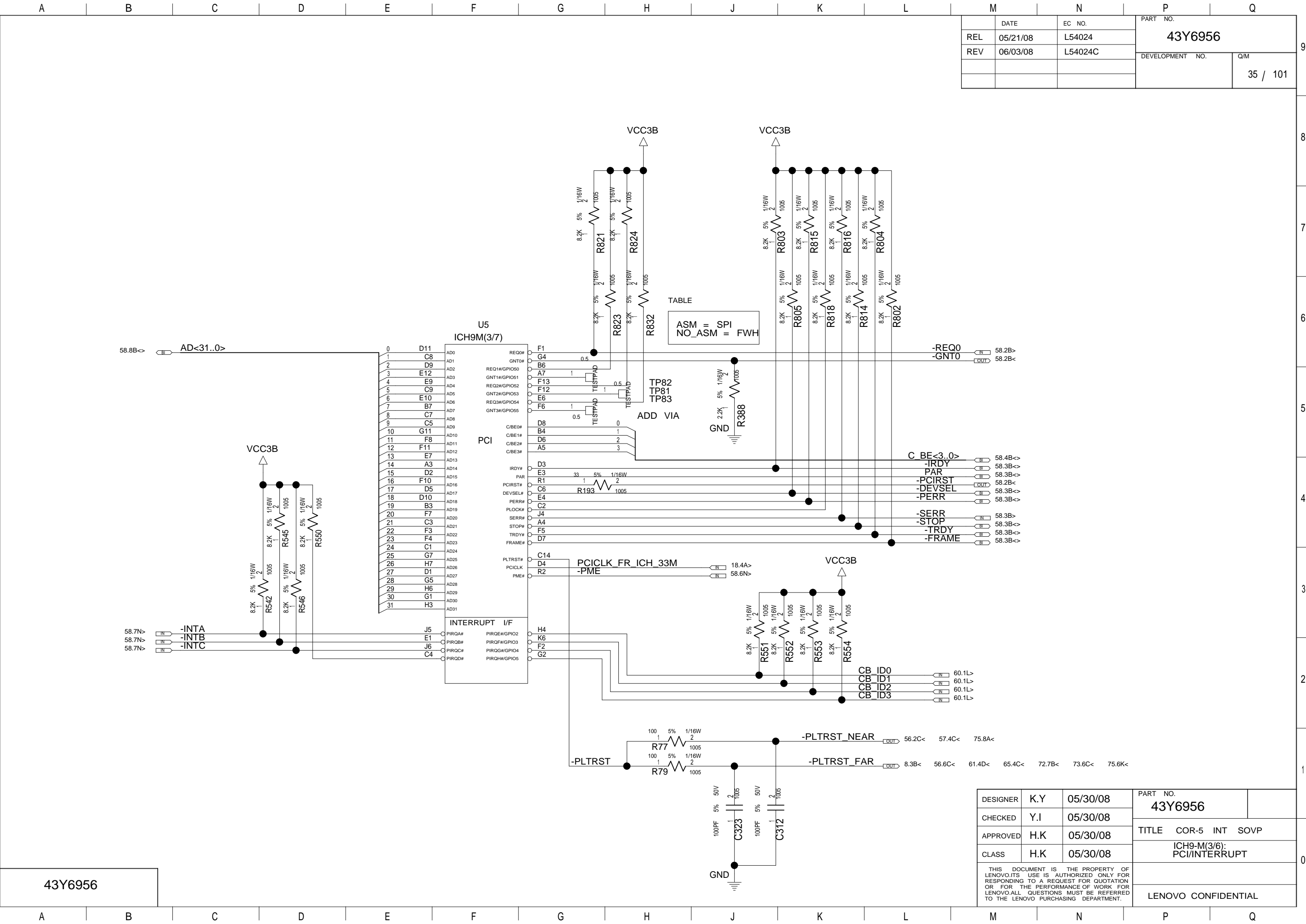
REL	DATE	EC NO.	PART NO. 43Y6956	
	05/21/08	L54024		
	REV	06/03/08	L54024C	
			DEVELOPMENT NO.	Q/M
				34 / 101



USB PORT TO	
0	SYSTEM PORT 1
1	SYSTEM PORT 2
2	MINICARD SLOT (WLAN)
3	MINICARD SLOT (WWAN)
4	MICROCARD SLOT (WUSB)
5	SMART CARD (CAGE)
6	SYSTEM PORT 3
7	EXPRESS CARD (CAGE)
8	FPR (TOUCHPAD CONN)
9	BLUETOOTH (LCD CONN)
10	DOCKING
11	USB CAMERA (LCD CONN)

DESIGNER	K.Y	05/30/08	PART NO. 43Y6956	
CHECKED	Y.I	05/30/08		
APPROVED	H.K	05/30/08		TITLE COR-5 INT SOVP
CLASS	H.K	05/30/08		ICH9-M(2/6): DMI/PCIE/USB/SPI
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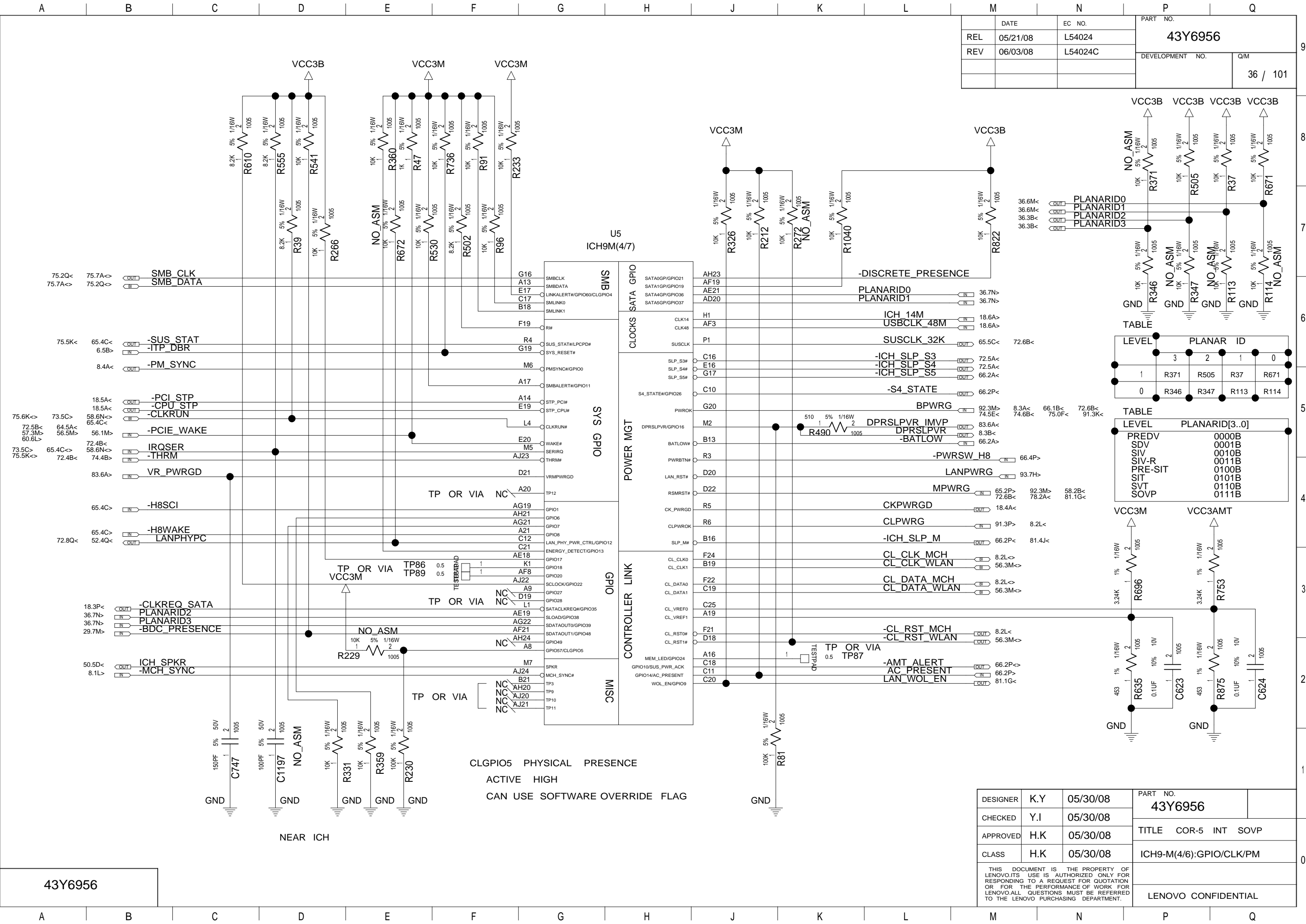
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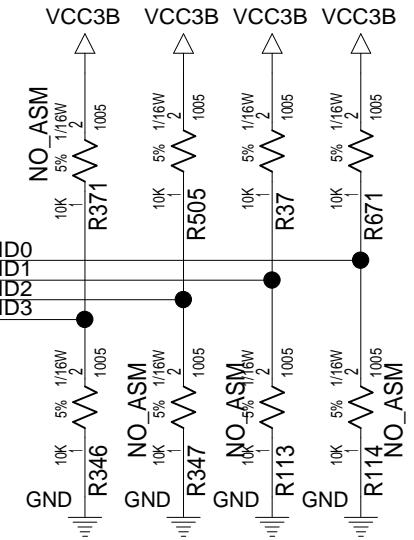
		PART NO.	
		43Y6956	
		DEVELOPMENT NO.	
		Q/M	
		35 / 101	

43Y6956

DESIGNER	K.Y	05/30/08	PART NO.	
CHECKED	Y.I	05/30/08	43Y6956	
APPROVED	H.K	05/30/08	TITLE COR-5 INT SOVP	
CLASS	H.K	05/30/08	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	

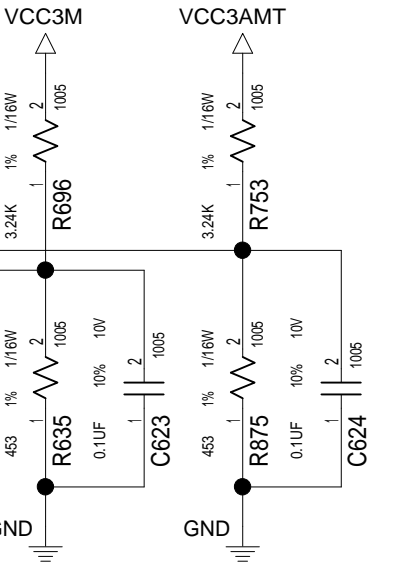


36.6M<	OUT
36.6M<	OUT
36.3B<	OUT
36.3B<	OUT



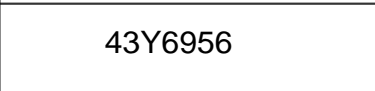
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2	1
1	0
0	

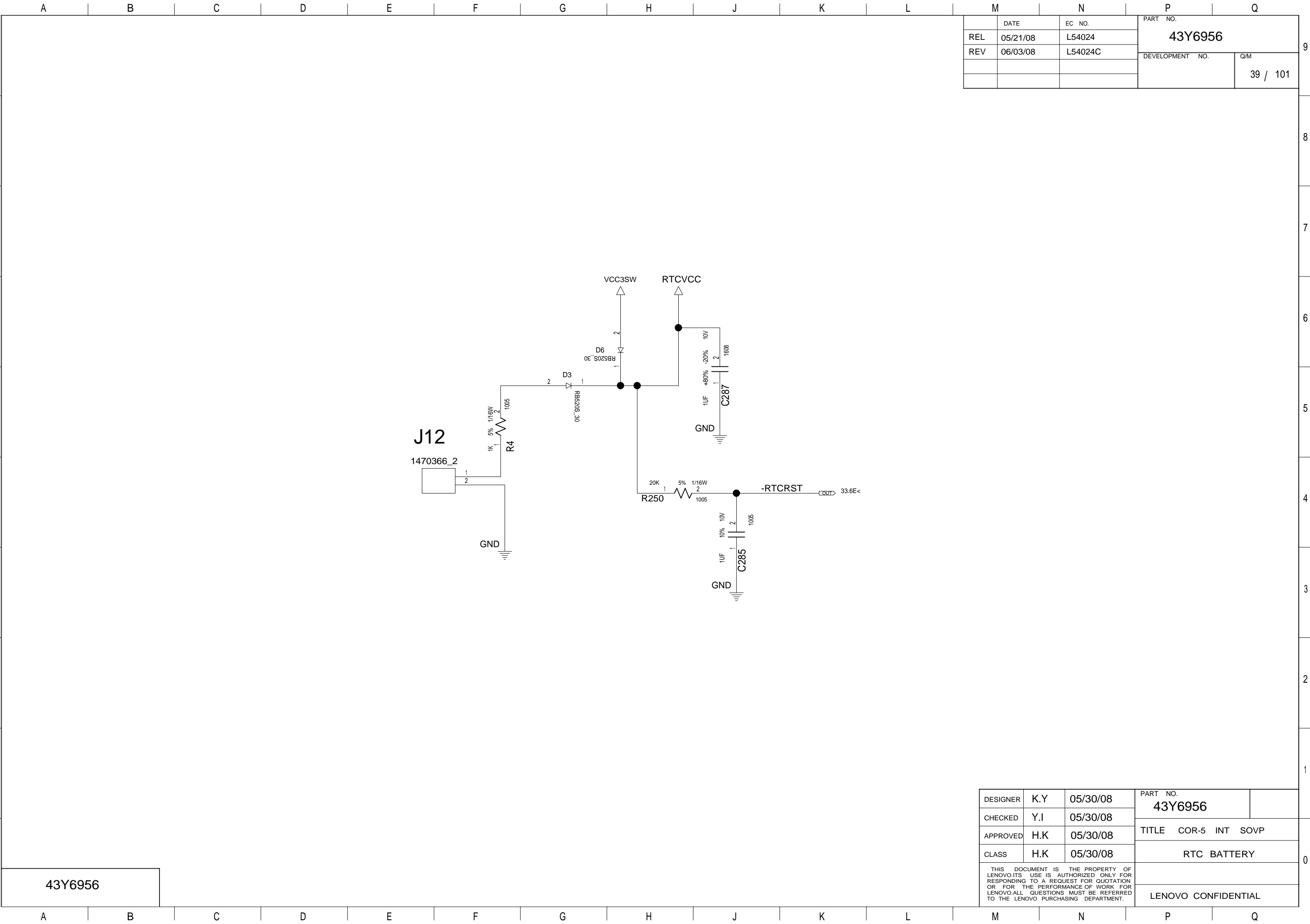
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SDV	0001B
SIV	0010B
SIV-R	0011B
PRE-SIT	0100B
SIT	0101B
SVT	0110B
SOVP	0111B

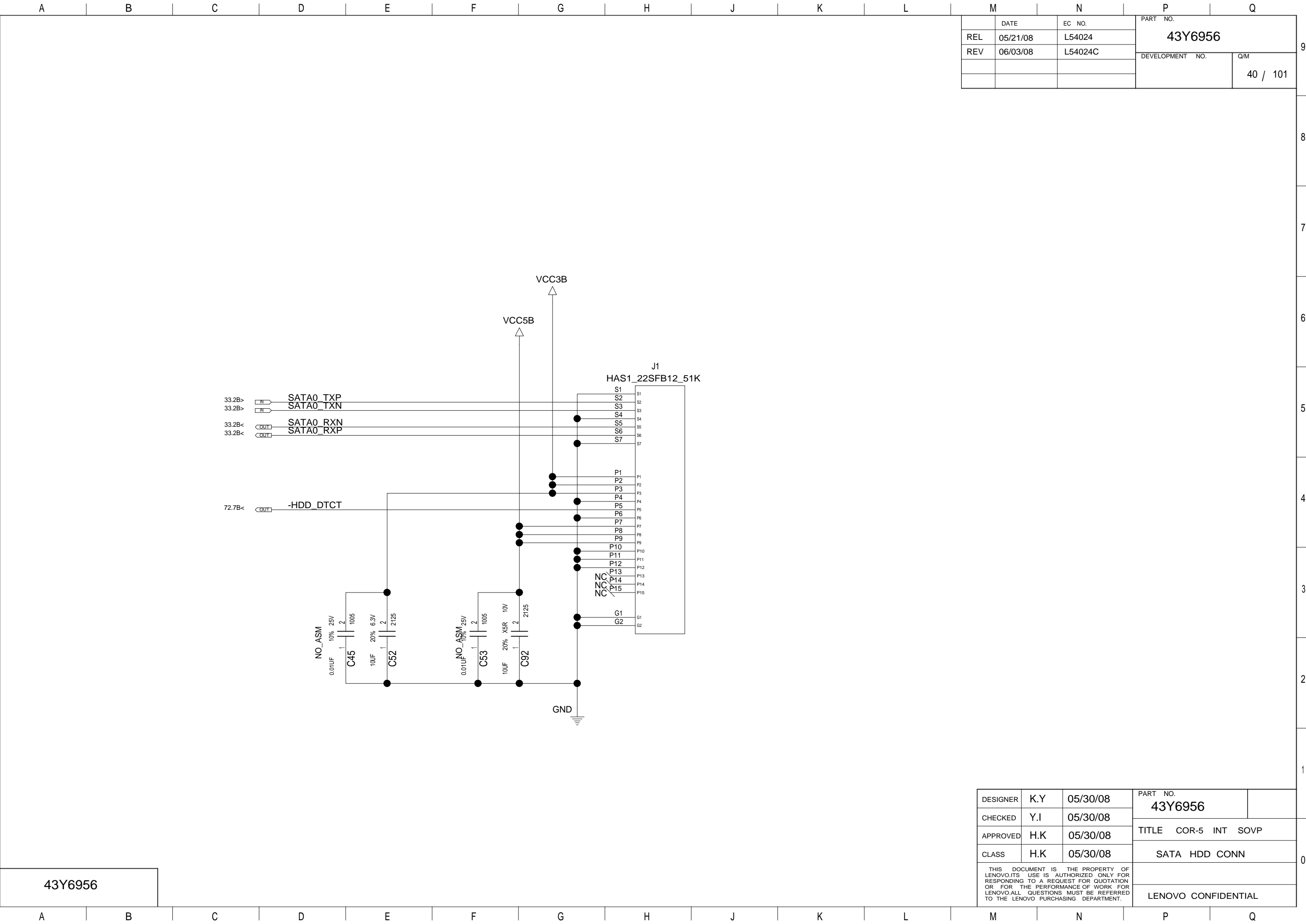


DESIGNER	K.Y	05/30/08	PART NO.	43Y6956
CHECKED	Y.I	05/30/08		
APPROVED	H.K	05/30/08	TITLE COR-5 INT SOVP	
CLASS	H.K	05/30/08	ICH9-M(4/6):GPIO/CLK/PM	
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43Y6956



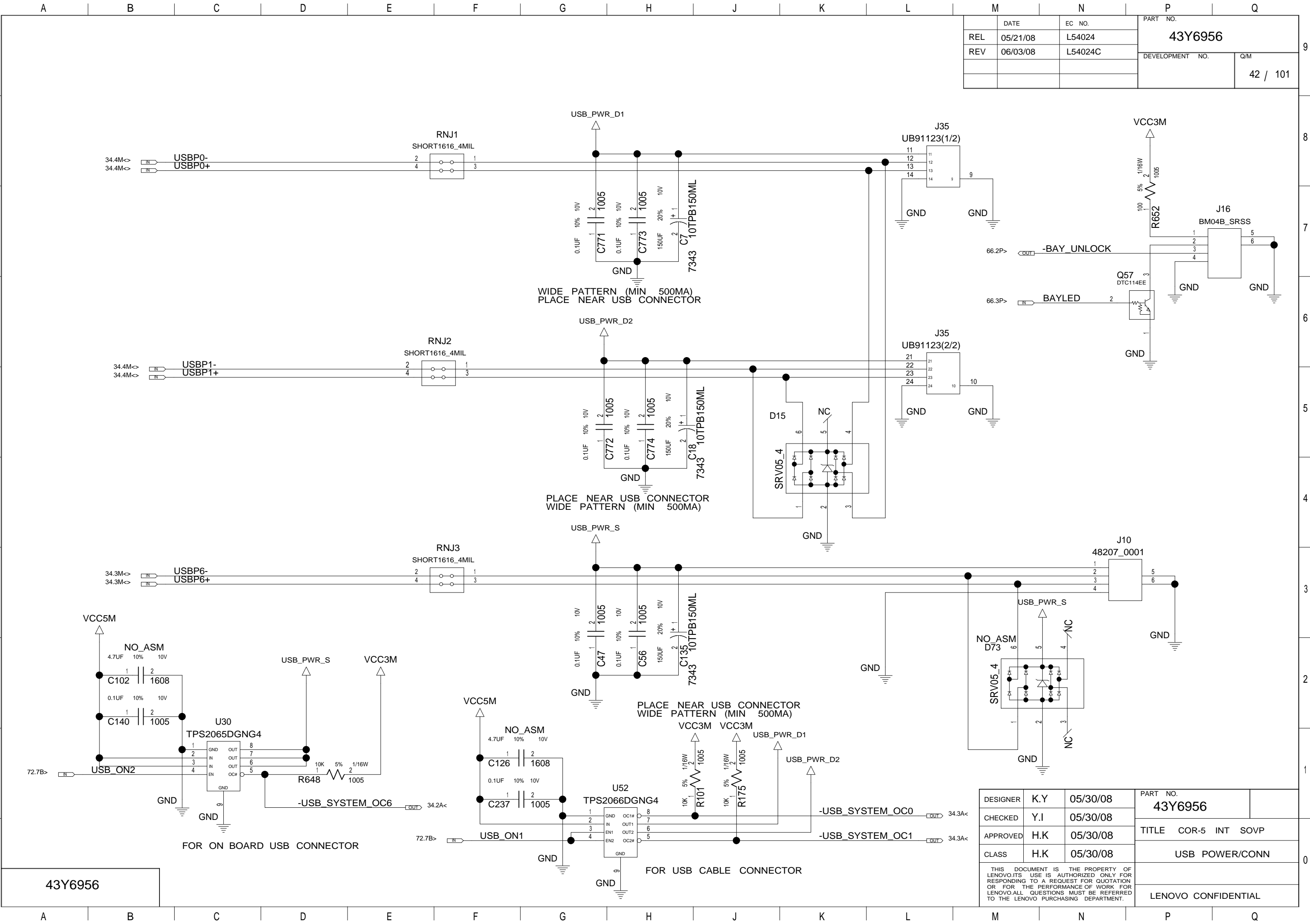


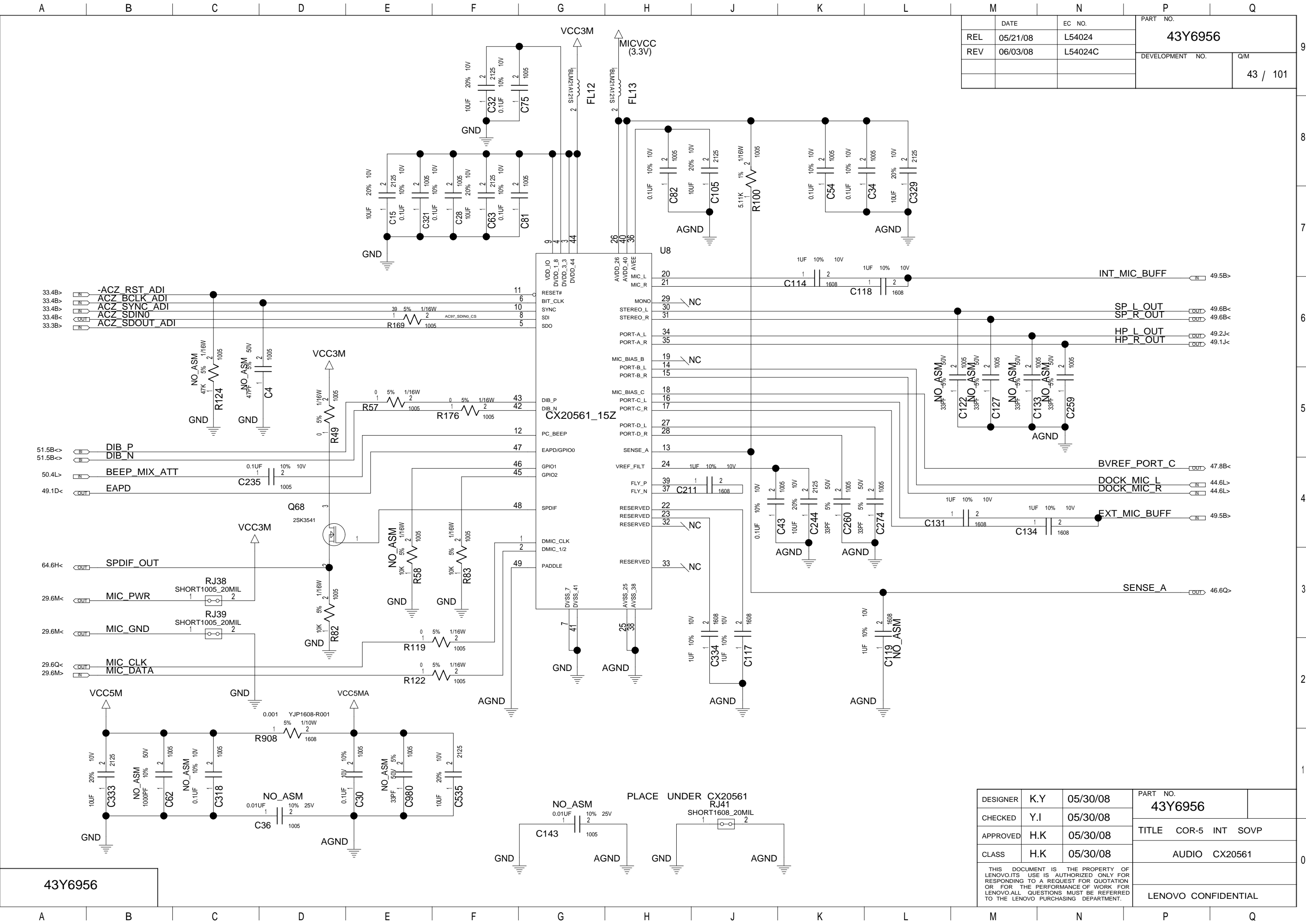


	DATE	EC NO.	PART NO. 43Y6956	
REL	05/21/08	L54024		
REV	06/03/08	L54024C	DEVELOPMENT NO. Q/M 40 / 101	

43Y6956

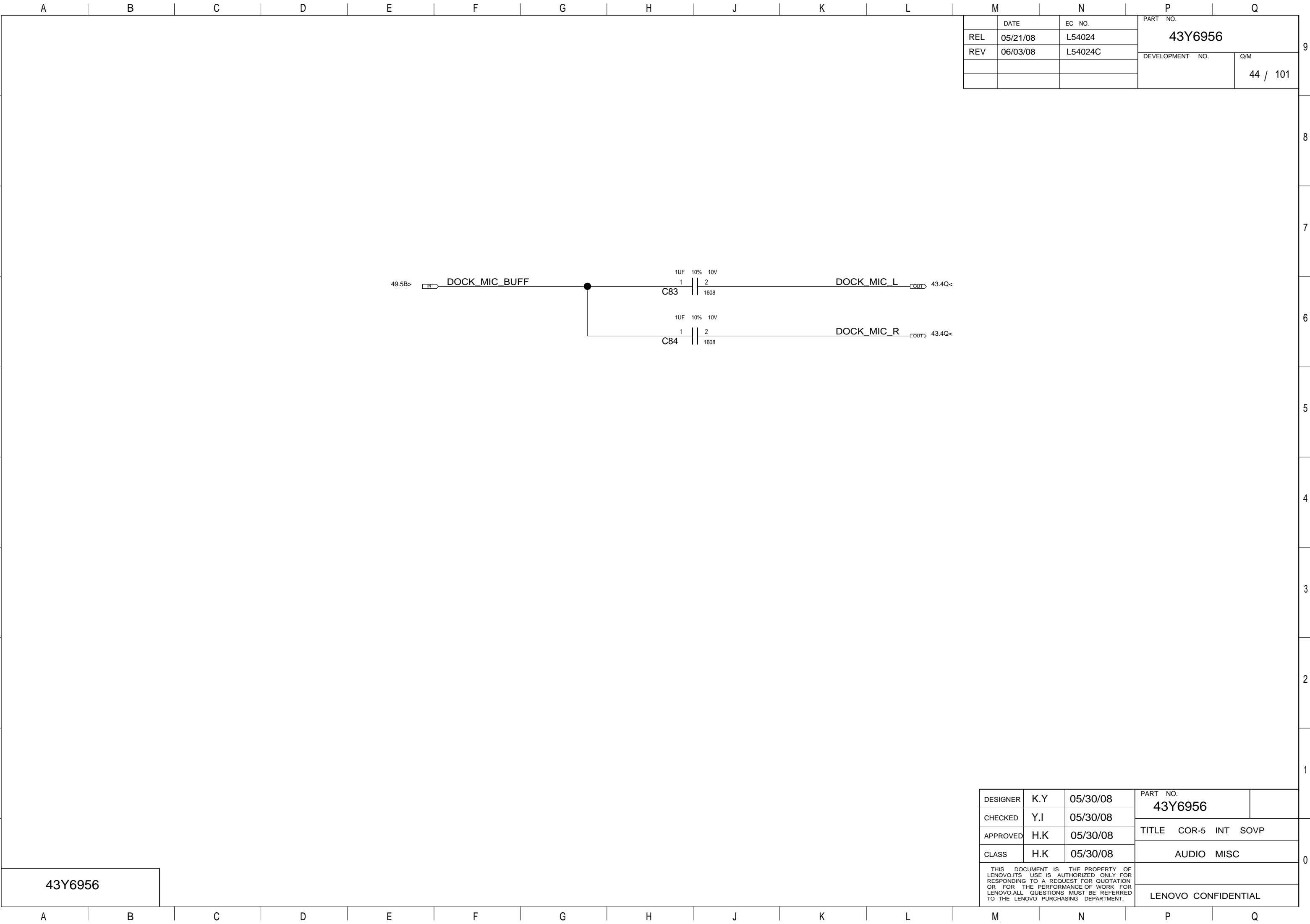
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CHECKED	Y.I	05/30/08		
APPROVED	H.K	05/30/08	TITLE COR-5 INT SOVP	
CLASS	H.K	05/30/08	SATA HDD CONN	
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			LENOVO CONFIDENTIAL	

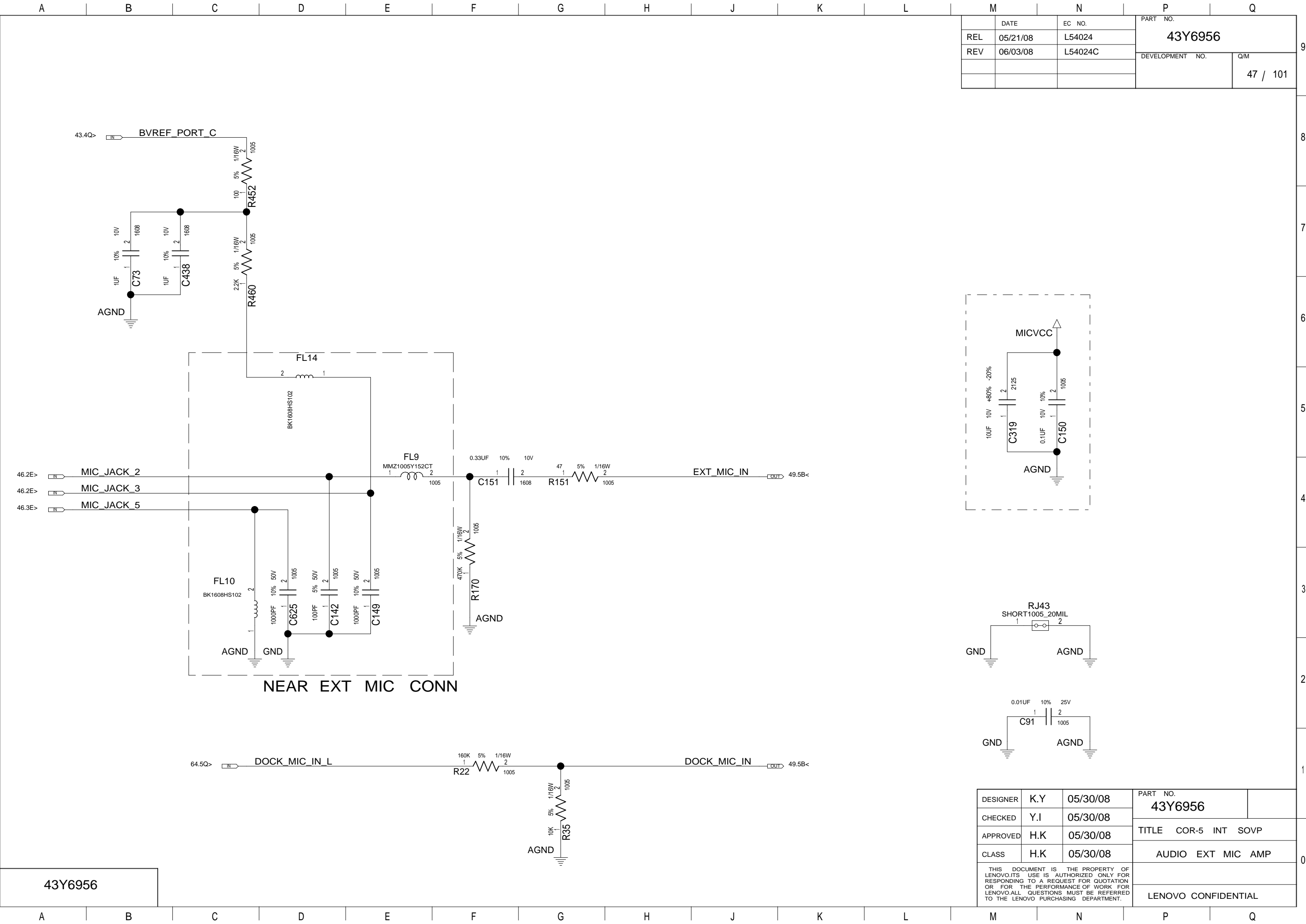




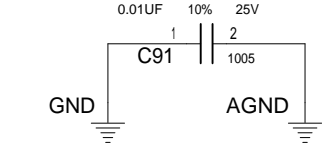
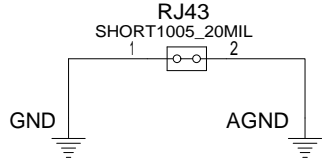
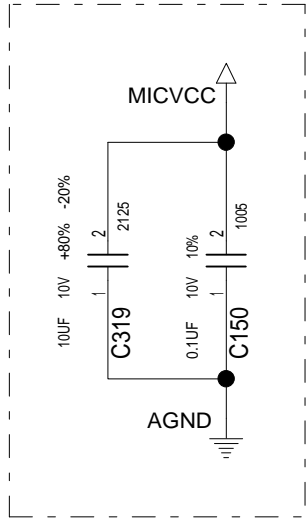
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REL	05/21/08	L54024		
REV	06/03/08	L54024C	DEVELOPMENT NO.	
			Q/M	
			43 / 101	

DESIGNER	K.Y	05/30/08	PART NO. 43Y6956	
CHECKED	Y.I	05/30/08		
APPROVED	H.K	05/30/08	TITLE COR-5 INT SOVP	
CLASS	H.K	05/30/08	AUDIO CX20561	
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			LENOVO CONFIDENTIAL	



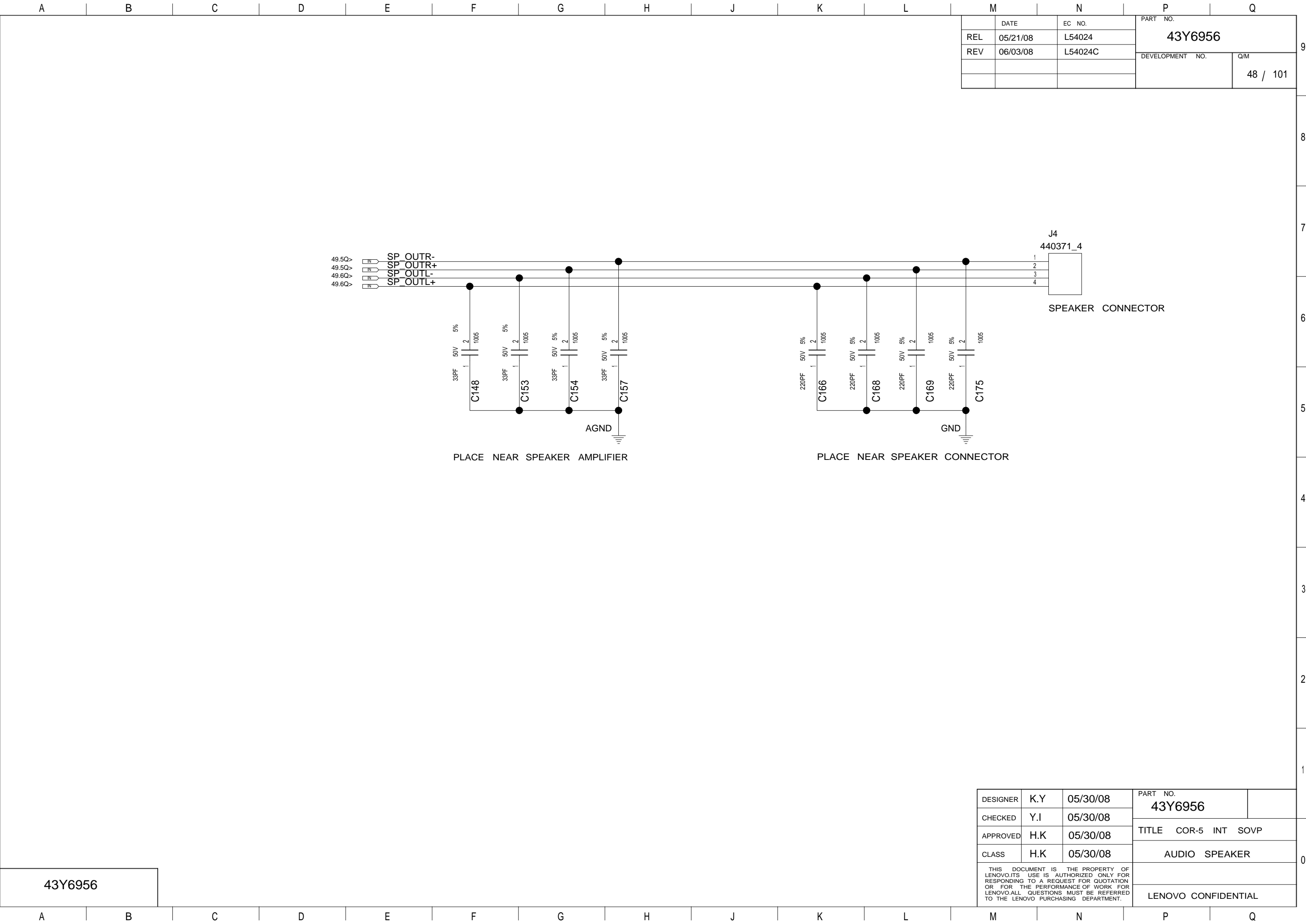


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		43Y6956	
		DEVELOPMENT NO.	
		Q/M	
		47 / 101	



43Y6956

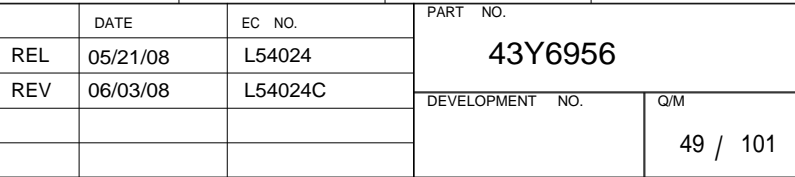
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CHECKED	Y.I	05/30/08	43Y6956	
APPROVED	H.K	05/30/08	TITLE COR-5 INT SOVP	
CLASS	H.K	05/30/08	AUDIO EXT MIC AMP	
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			LENOVO CONFIDENTIAL	



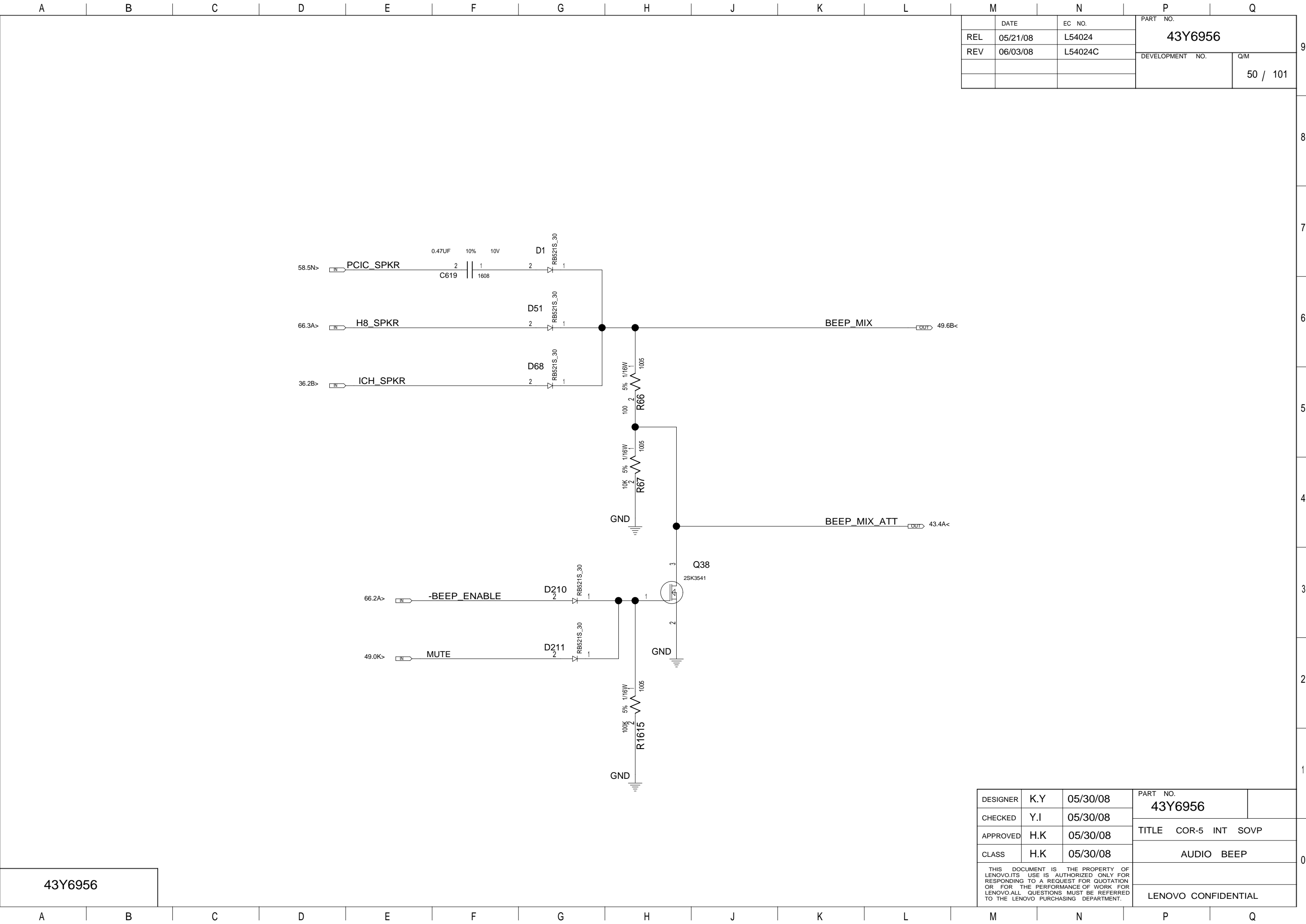
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REL	05/21/08	L54024					
REV	06/03/08	L54024C					
				DEVELOPMENT NO.		Q/M	
						48 / 101	

43Y6956

DESIGNER	K.Y	05/30/08	PART NO. 43Y6956	
CHECKED	Y.I	05/30/08		
APPROVED	H.K	05/30/08	TITLE COR-5 INT SOVP	
CLASS	H.K	05/30/08	AUDIO SPEAKER	
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			LENOVO CONFIDENTIAL	



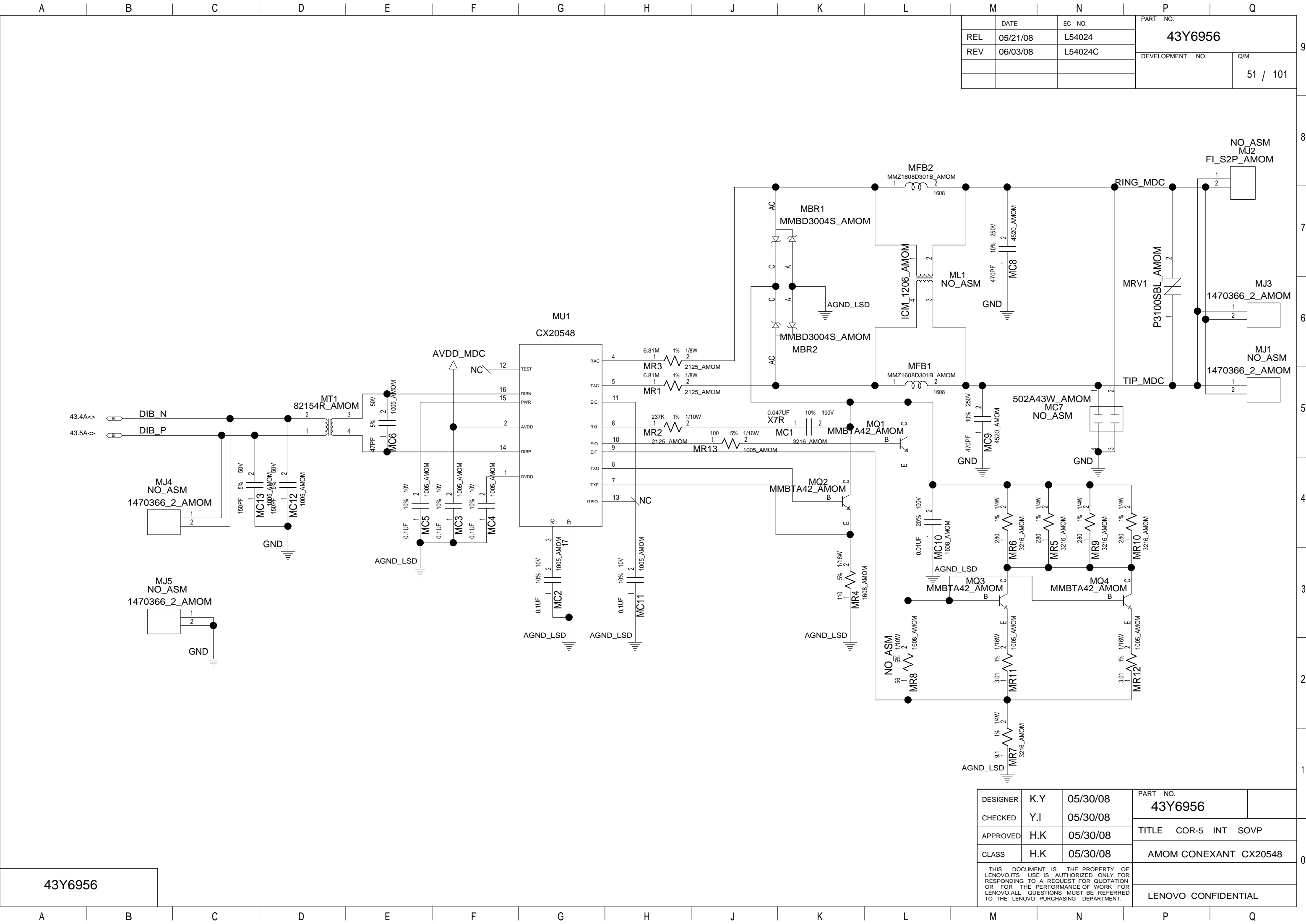
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OR FOR THE PERFORMANCE OF WORK FOR
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TO THE LENOVO PURCHASING DEPARTMENT.



M		N		P		Q	
	DATE	EC NO.		PART NO. 43Y6956			
REL	05/21/08	L54024					
REV	06/03/08	L54024C		DEVELOPMENT NO. Q/M 50 / 101			

43Y6956

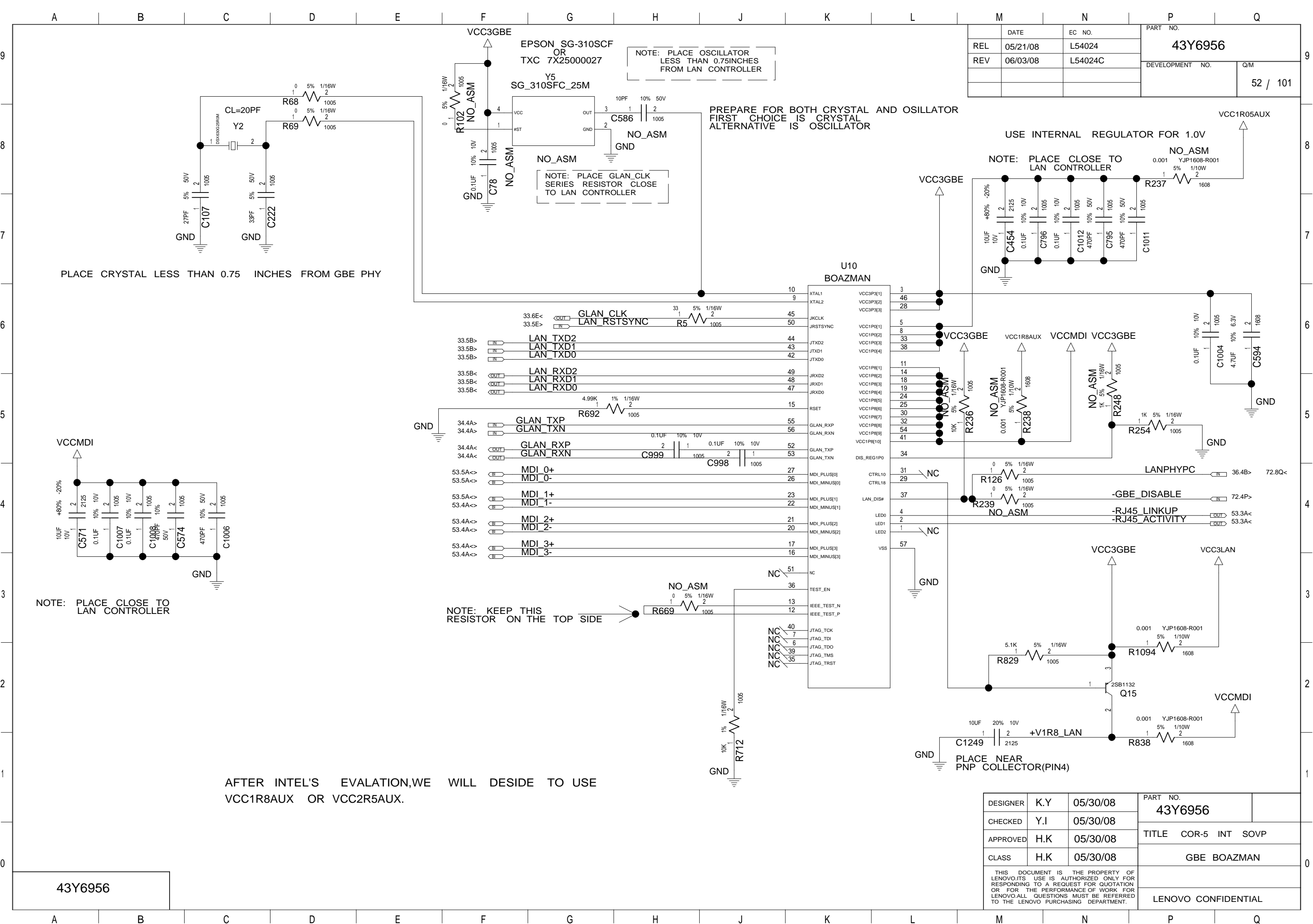
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CLASS	H.K	05/30/08	AUDIO BEEP	
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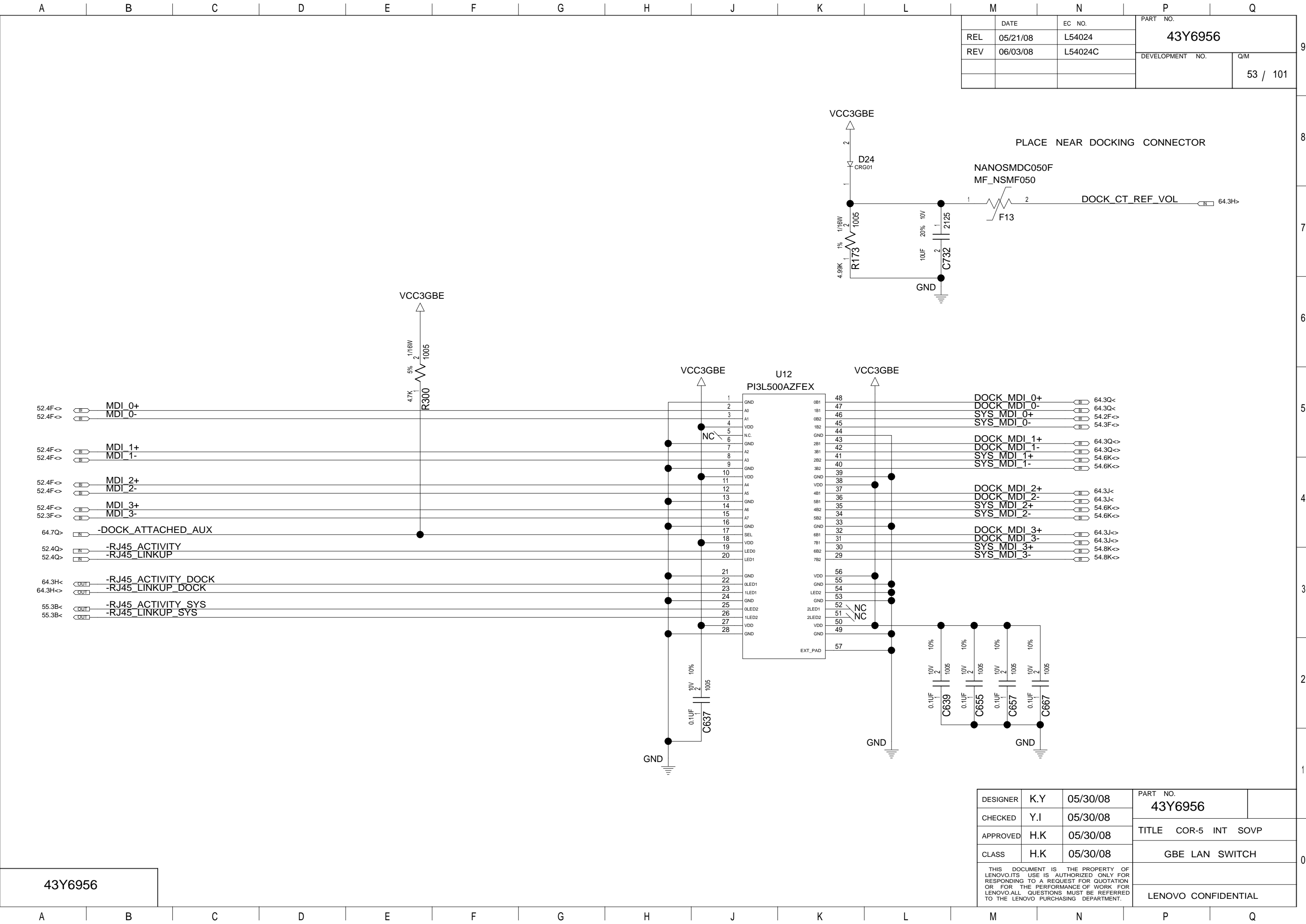


DATE		EC NO.	PART NO. 43Y6956	
REL	05/21/08	L54024		
REV	06/03/08	L54024C	DEVELOPMENT NO.	
			Q/M	
			51 / 101	

43Y6956

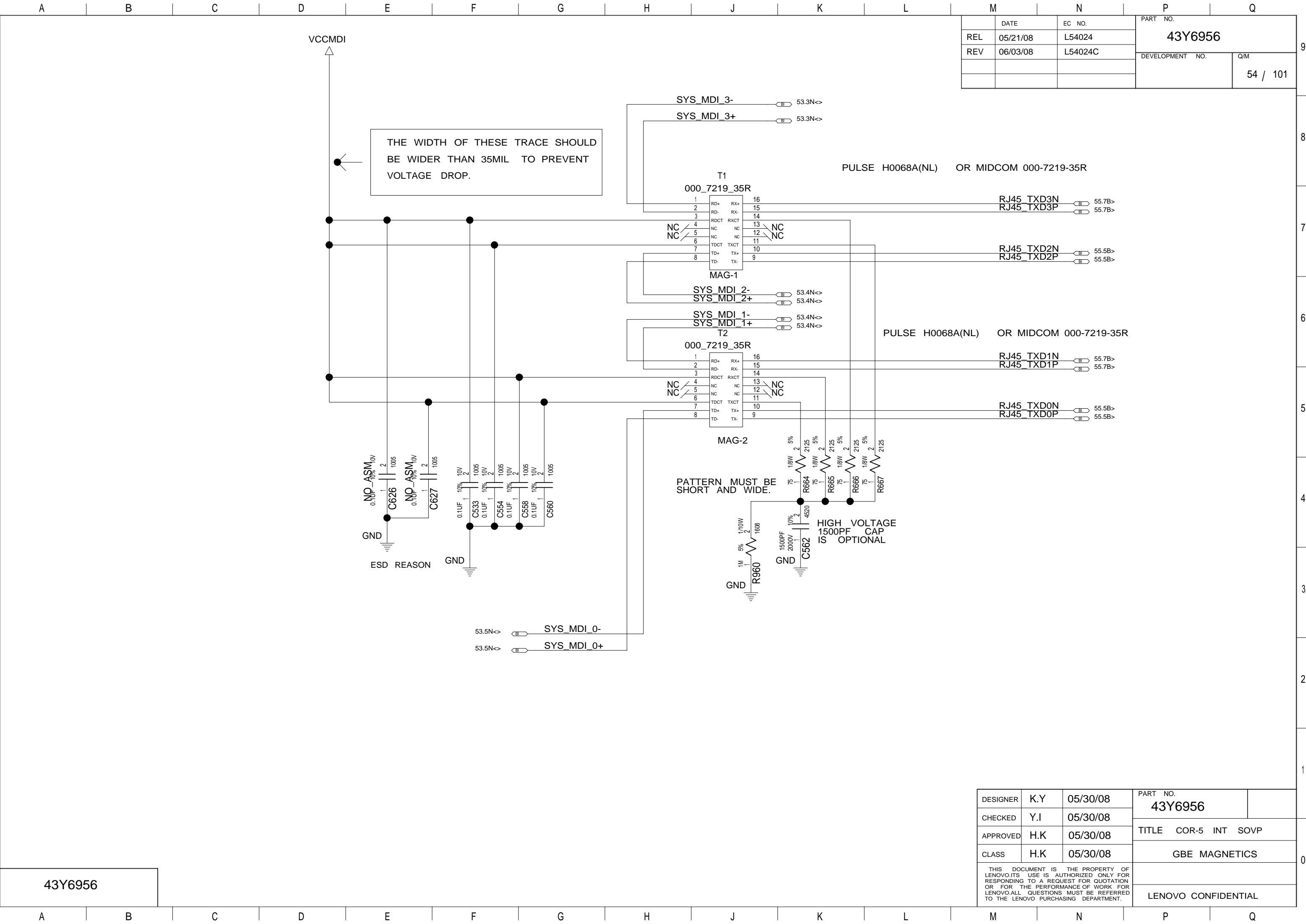
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CLASS	H.K	05/30/08	AMOM CONEXANT CX20548	
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			LENOVO CONFIDENTIAL	





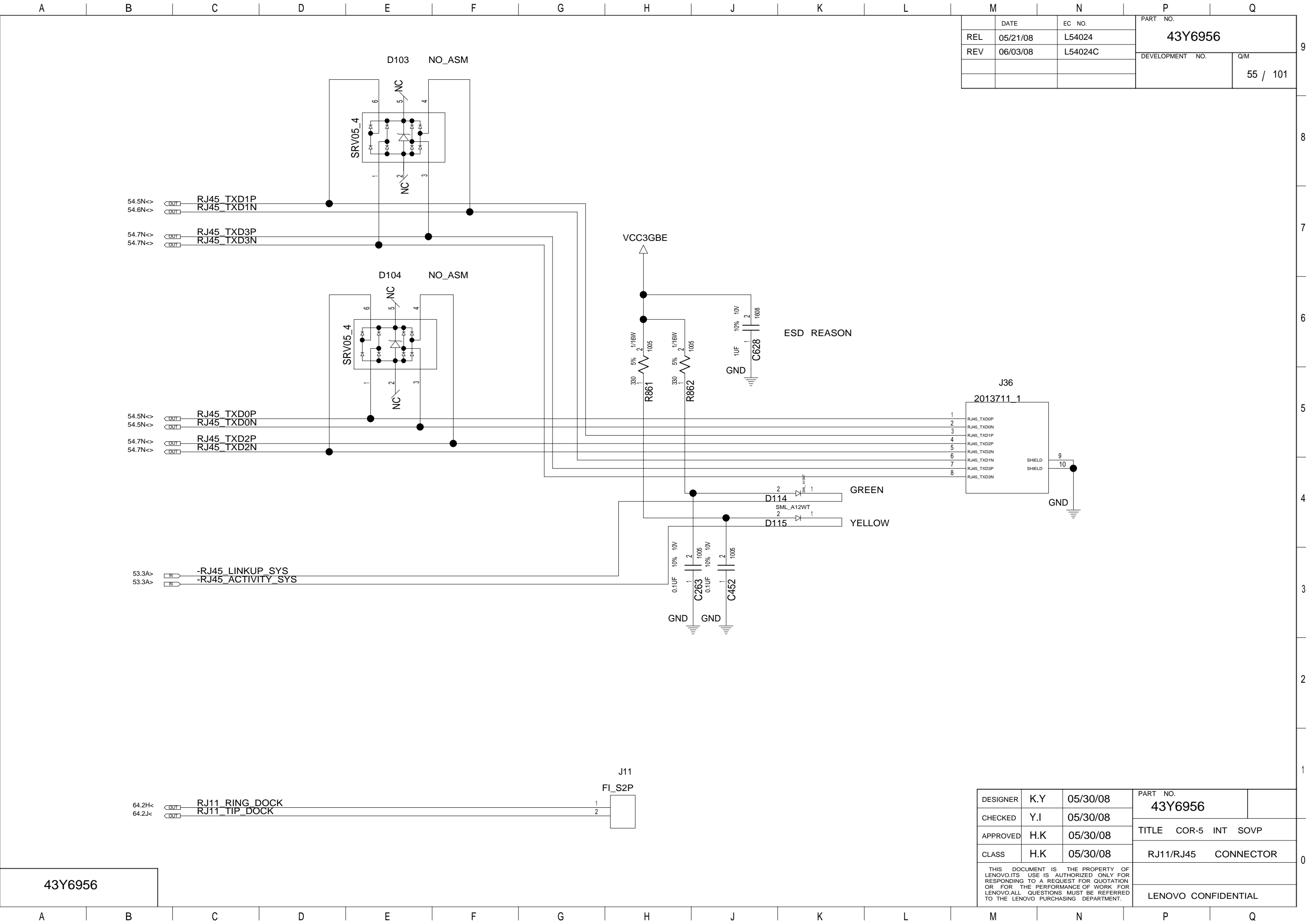
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		DEVELOPMENT NO.	
		Q/M	
		53 / 101	

DESIGNER	K.Y	05/30/08	PART NO.	
CHECKED	Y.I	05/30/08	43Y6956	
APPROVED	H.K	05/30/08	TITLE COR-5 INT SOVP	
CLASS	H.K	05/30/08	GBE LAN SWITCH	
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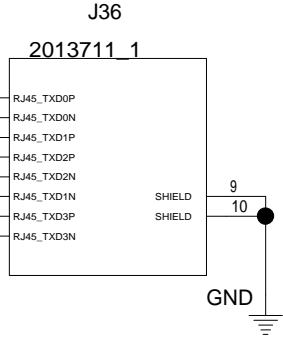


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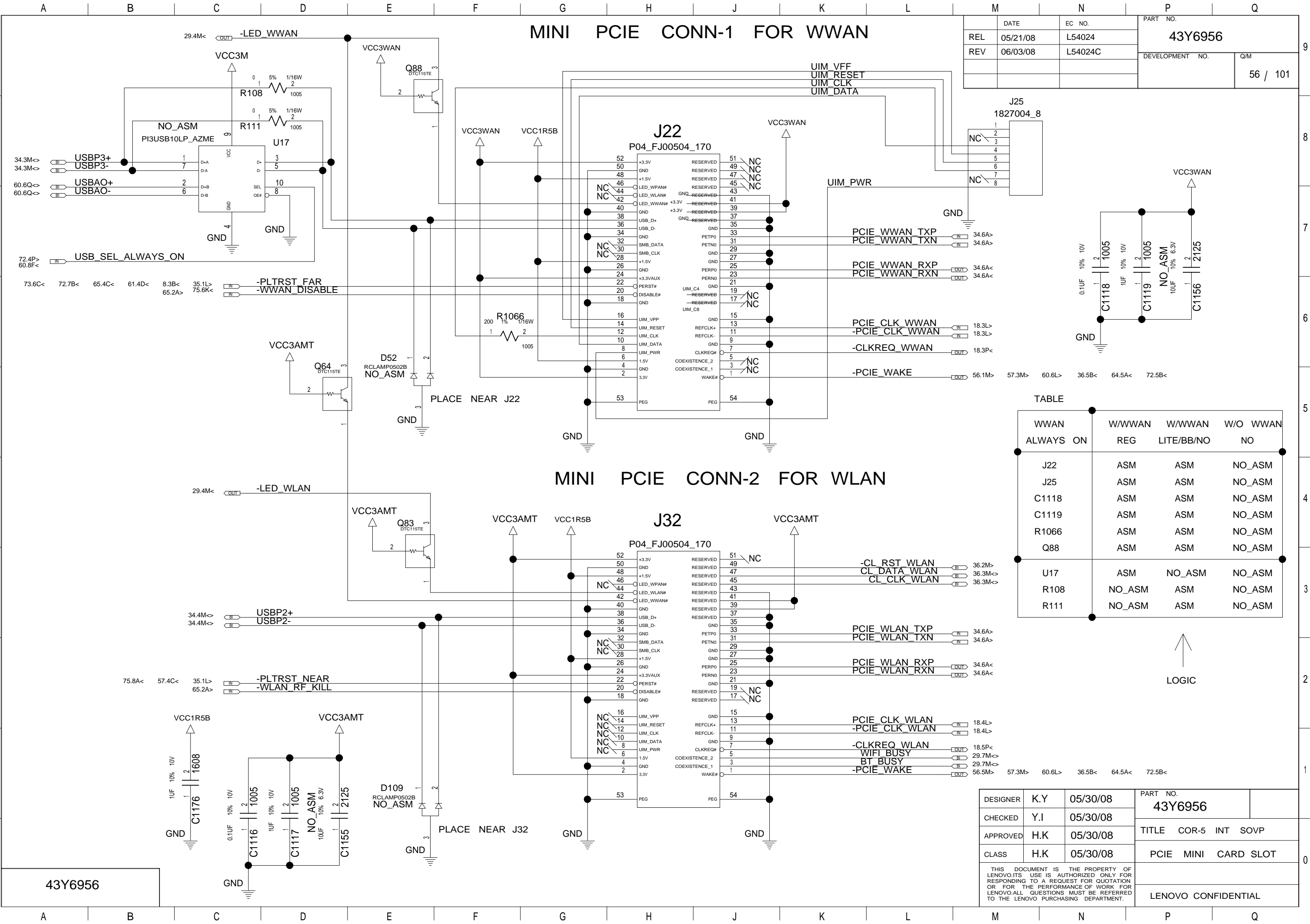
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CHECKED	Y.I	05/30/08	TITLE	COR-5 INT SOVP
APPROVED	H.K	05/30/08		
CLASS	H.K	05/30/08		
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	DATE	EC NO.	PART NO. 43Y6956	
REL	05/21/08	L54024		
REV	06/03/08	L54024C	DEVELOPMENT NO. Q/M 55 / 101	



DESIGNER	K.Y	05/30/08	PART NO. 43Y6956	
CHECKED	Y.I	05/30/08		
APPROVED	H.K	05/30/08	TITLE COR-5 INT SOVP	
CLASS	H.K	05/30/08	RJ11/RJ45 CONNECTOR	
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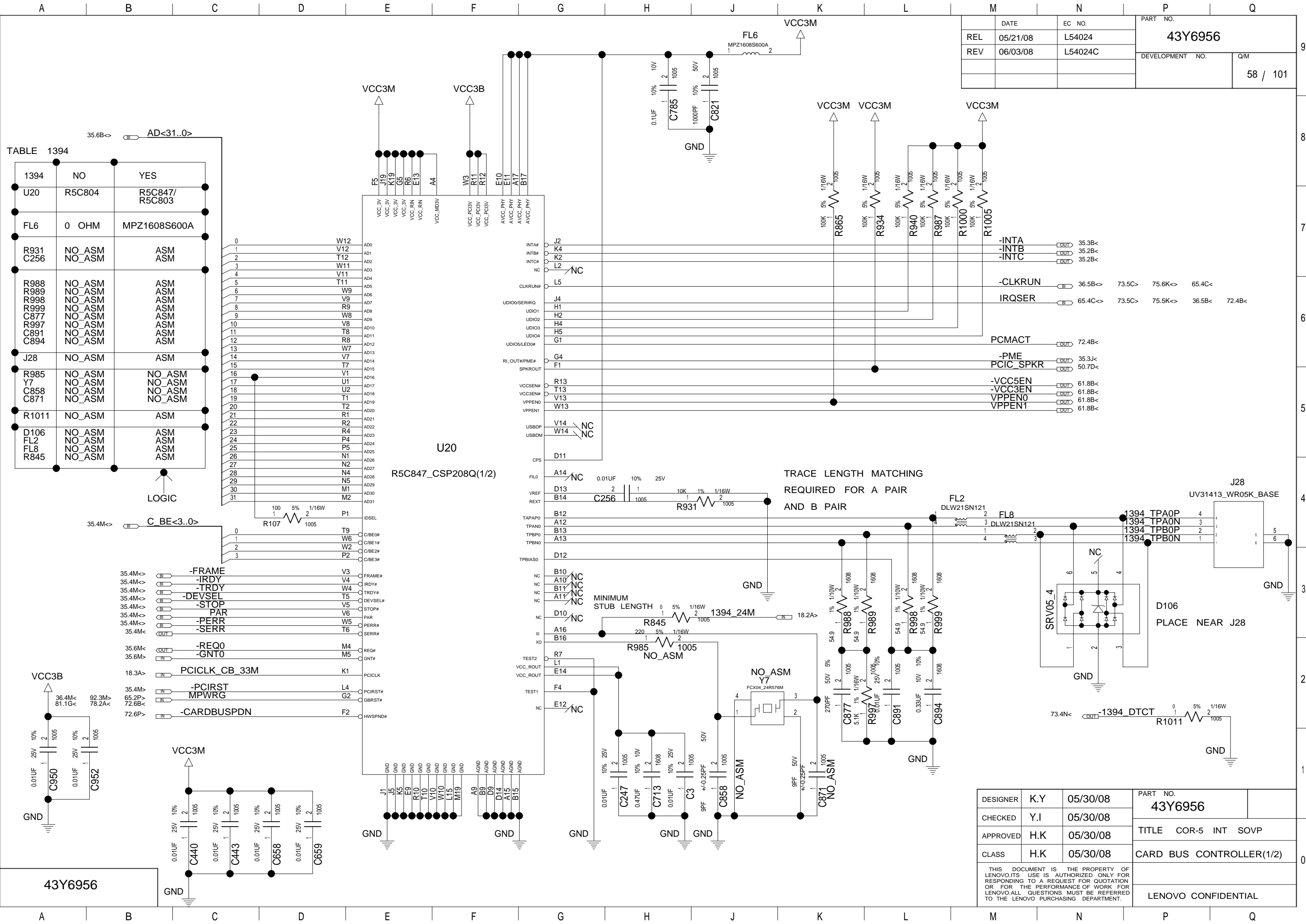
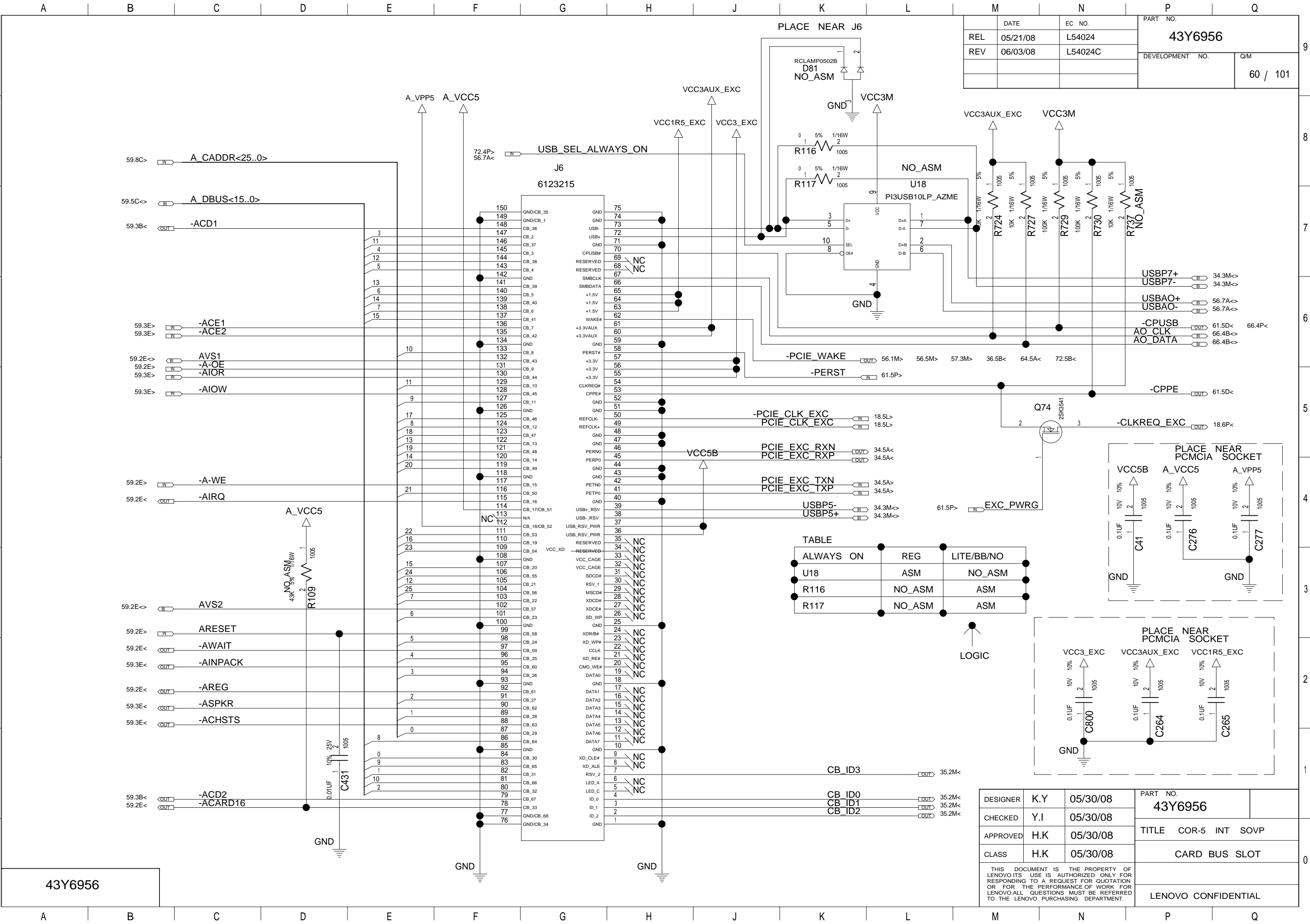
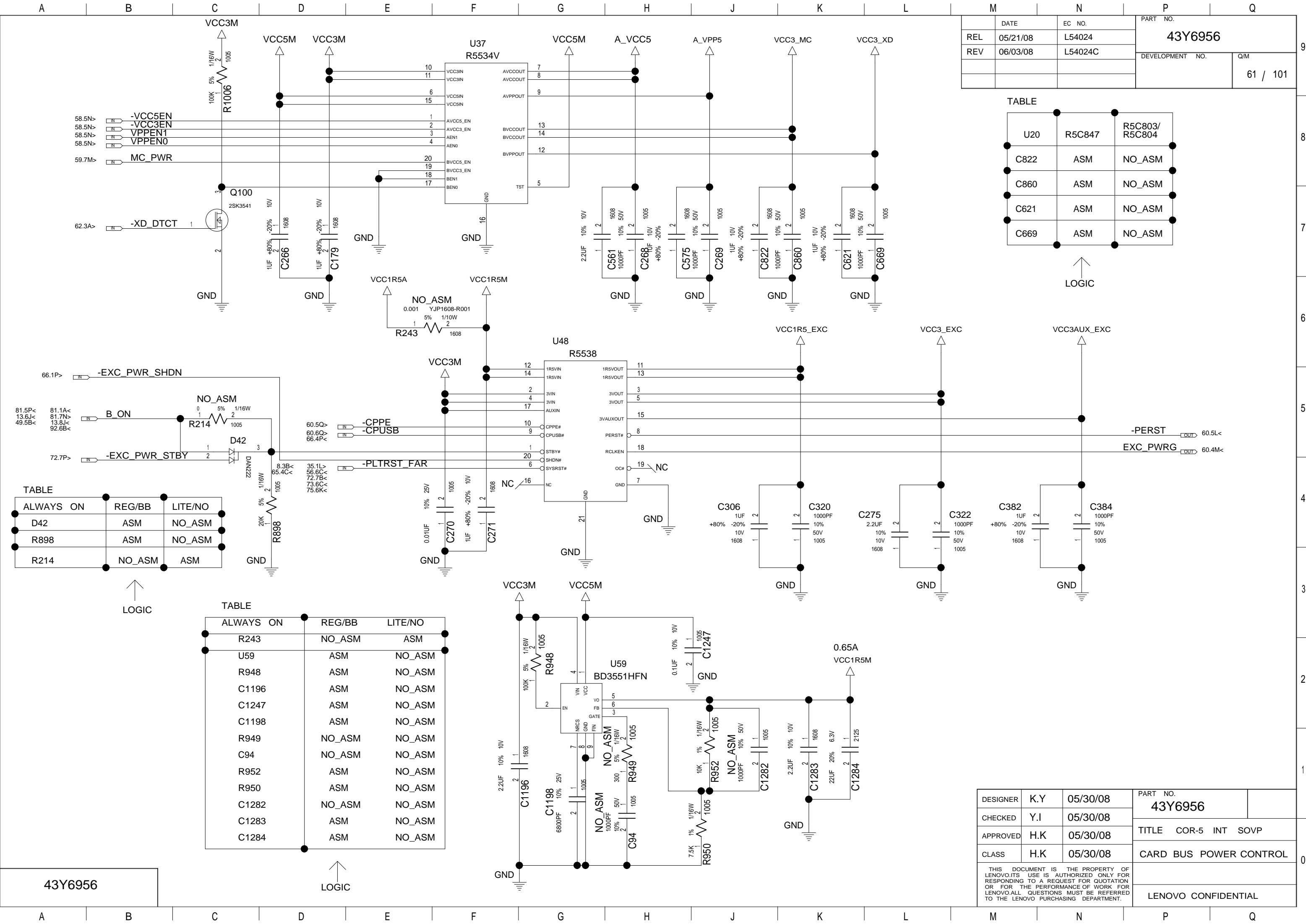


TABLE 1394		
1394	NO	YES
U20	R5C804	R5C847/ R5C803
FL6	0 OHM	MPZ1608S600A
R931	NO_ASM	ASM
C256	NO_ASM	NO_ASM
R988	NO_ASM	ASM
R989	NO_ASM	ASM
R998	NO_ASM	ASM
R999	NO_ASM	ASM
C877	NO_ASM	ASM
R997	NO_ASM	ASM
C891	NO_ASM	ASM
C894	NO_ASM	ASM
J28	NO_ASM	ASM
R985	NO_ASM	NO_ASM
Y7	NO_ASM	NO_ASM
C858	NO_ASM	NO_ASM
C871	NO_ASM	NO_ASM
R1011	NO_ASM	ASM
D106	NO_ASM	ASM
FL2	NO_ASM	ASM
FL8	NO_ASM	ASM
R845	NO_ASM	ASM

DATE		EC NO.	PART NO.	
REL	05/21/08	L54024	43Y6956	
REV	06/03/08	L54024C	DEVELOPMENT NO.	
			Q/M	
			58 / 101	

DESIGNER	K.Y	05/30/08	PART NO.	
CHECKED	Y.I	05/30/08	43Y6956	
APPROVED	H.K	05/30/08	TITLE COR-5 INT SOVP	
CLASS	H.K	05/30/08	CARD BUS CONTROLLER(1/2)	
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	DATE	EC NO.	PART NO.	
REL	05/21/08	L54024	43Y6956	
REV	06/03/08	L54024C	DEVELOPMENT NO.	Q/M
				61 / 101

TABLE		
U20	R5C847	R5C803/ R5C804
C822	ASM	NO_ASM
C860	ASM	NO_ASM
C621	ASM	NO_ASM
C669	ASM	NO_ASM

LOGIC

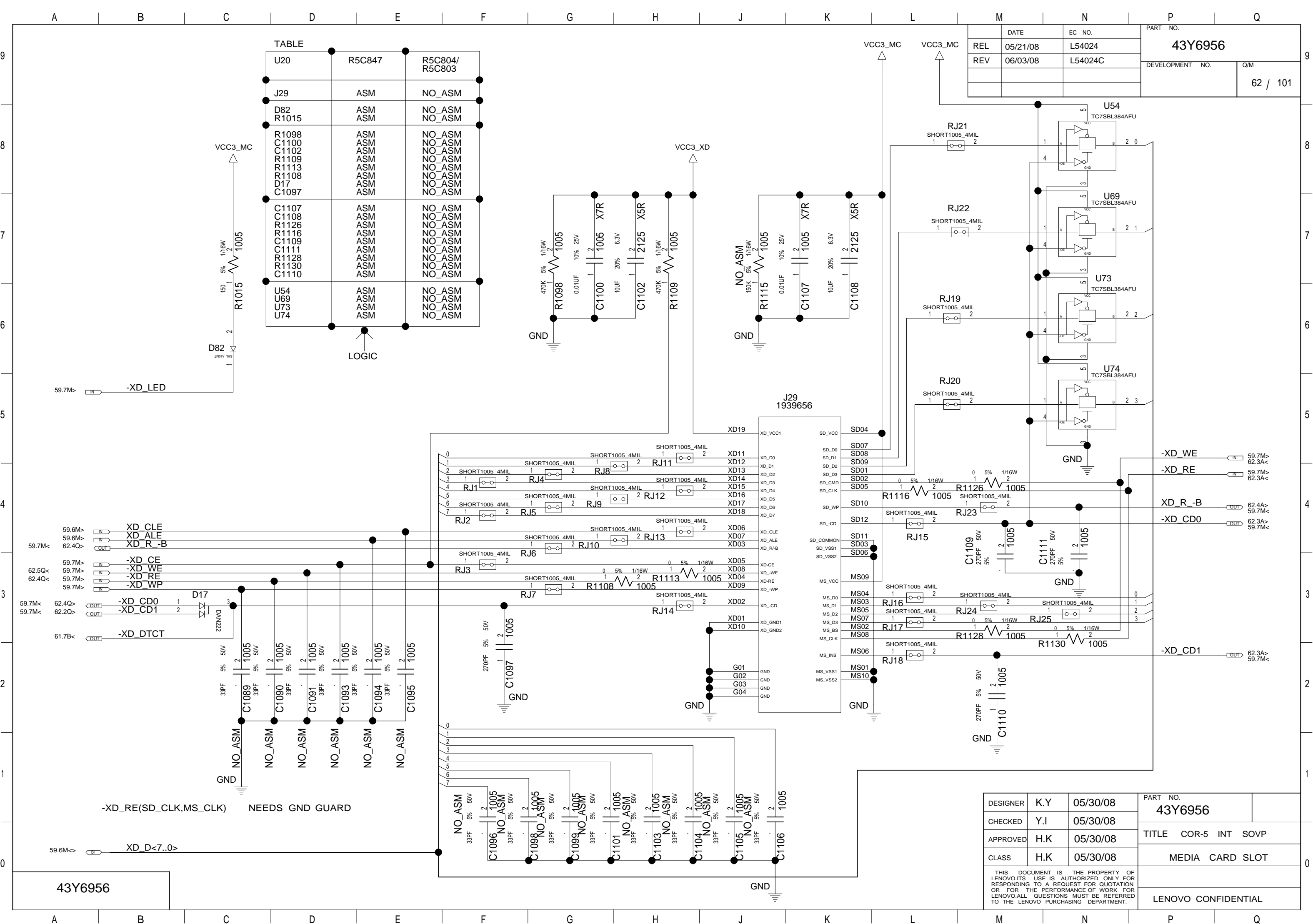
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D42	ASM	NO_ASM
R898	ASM	NO_ASM
R214	NO_ASM	ASM

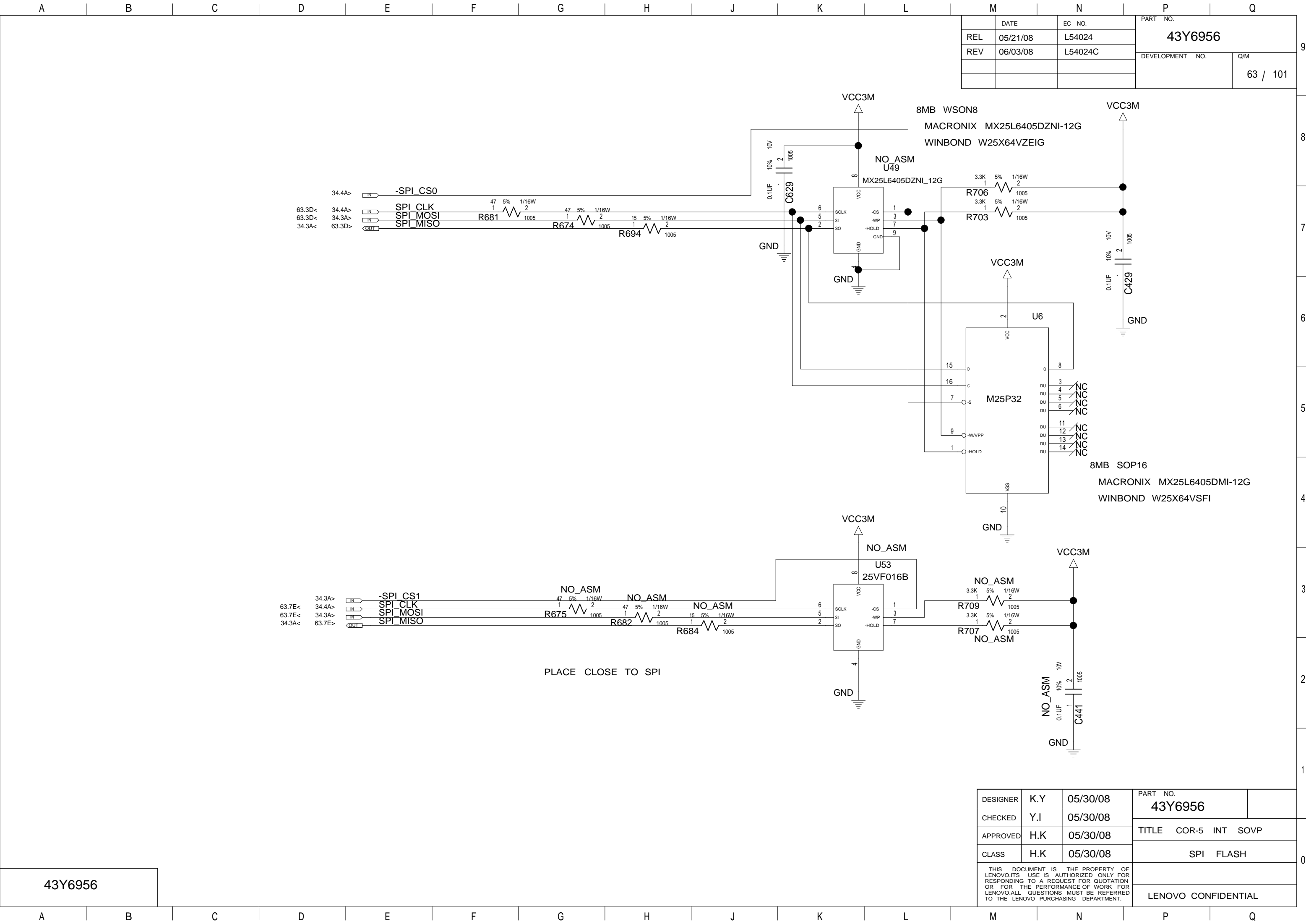
LOGIC

TABLE		
ALWAYS ON	REG/BB	LITE/NO
R243	NO_ASM	ASM
U59	ASM	NO_ASM
R948	ASM	NO_ASM
C1196	ASM	NO_ASM
C1247	ASM	NO_ASM
C1198	ASM	NO_ASM
R949	NO_ASM	NO_ASM
C94	NO_ASM	NO_ASM
R952	ASM	NO_ASM
R950	ASM	NO_ASM
C1282	NO_ASM	NO_ASM
C1283	ASM	NO_ASM
C1284	ASM	NO_ASM

LOGIC

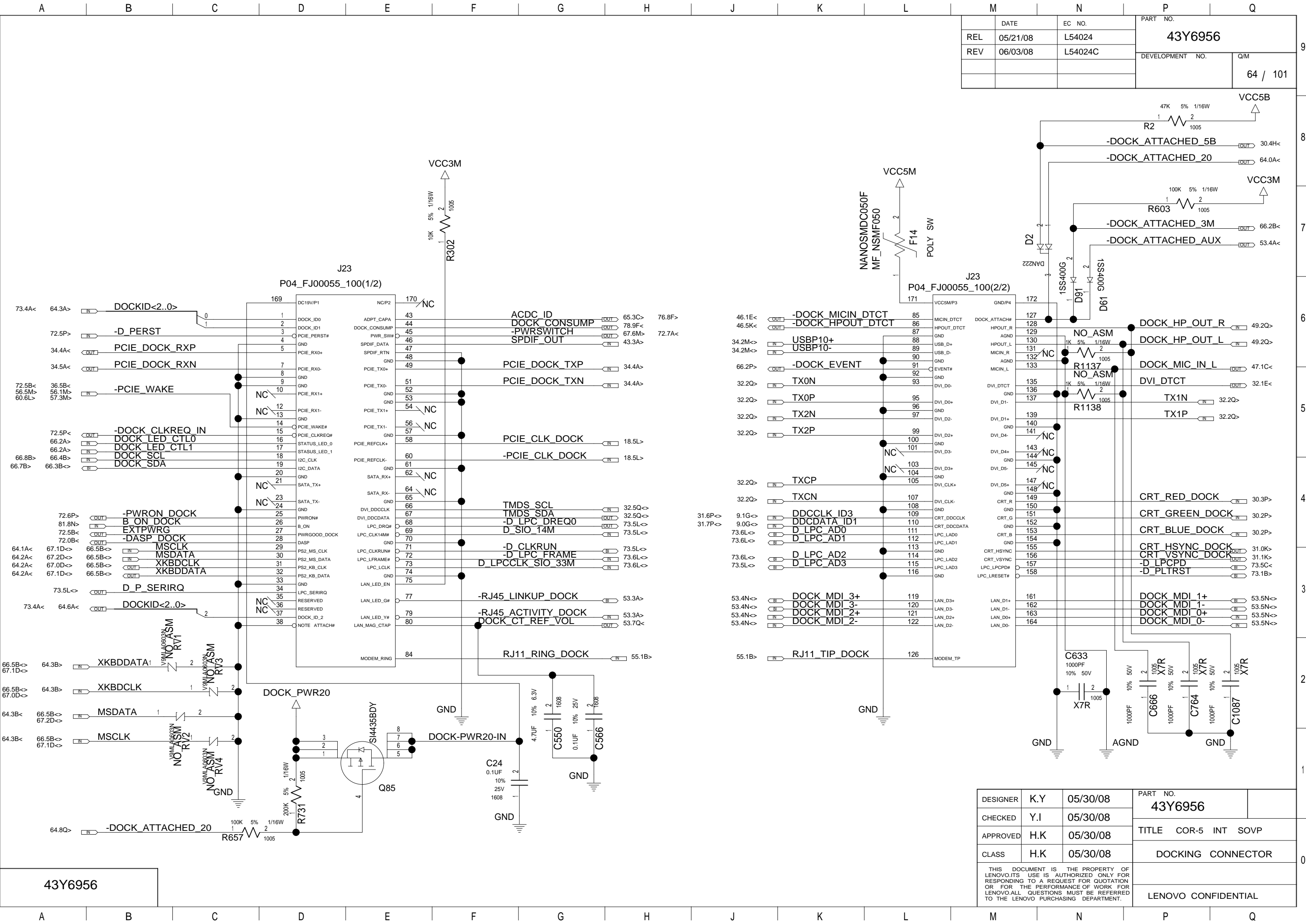
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CHECKED	Y.I	05/30/08	43Y6956	
APPROVED	H.K	05/30/08	TITLE COR-5 INT SOVP	
CLASS	H.K	05/30/08	CARD BUS POWER CONTROL	
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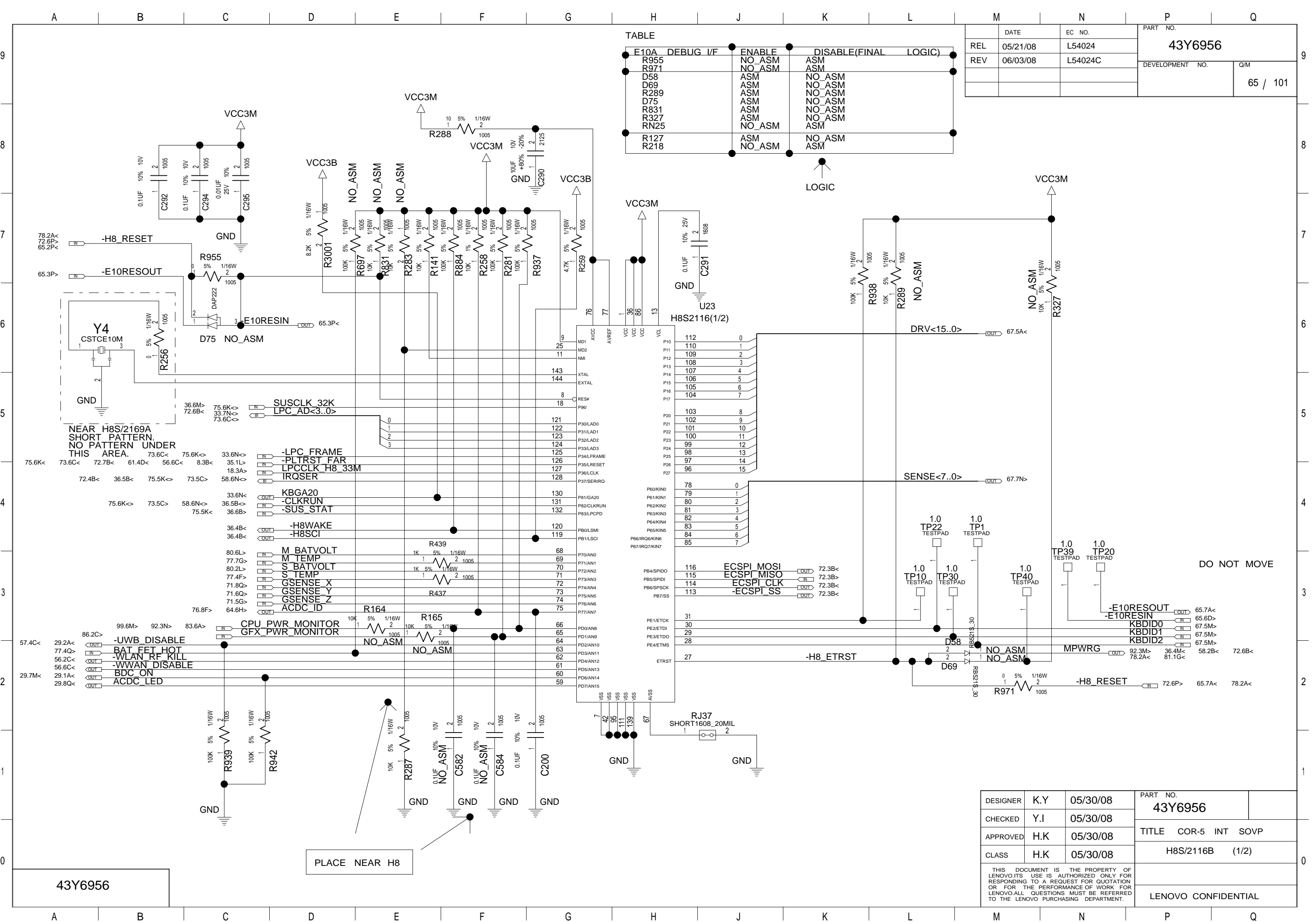
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REL	05/21/08	L54024		
REV	06/03/08	L54024C	DEVELOPMENT NO.	Q/M
				63 / 101

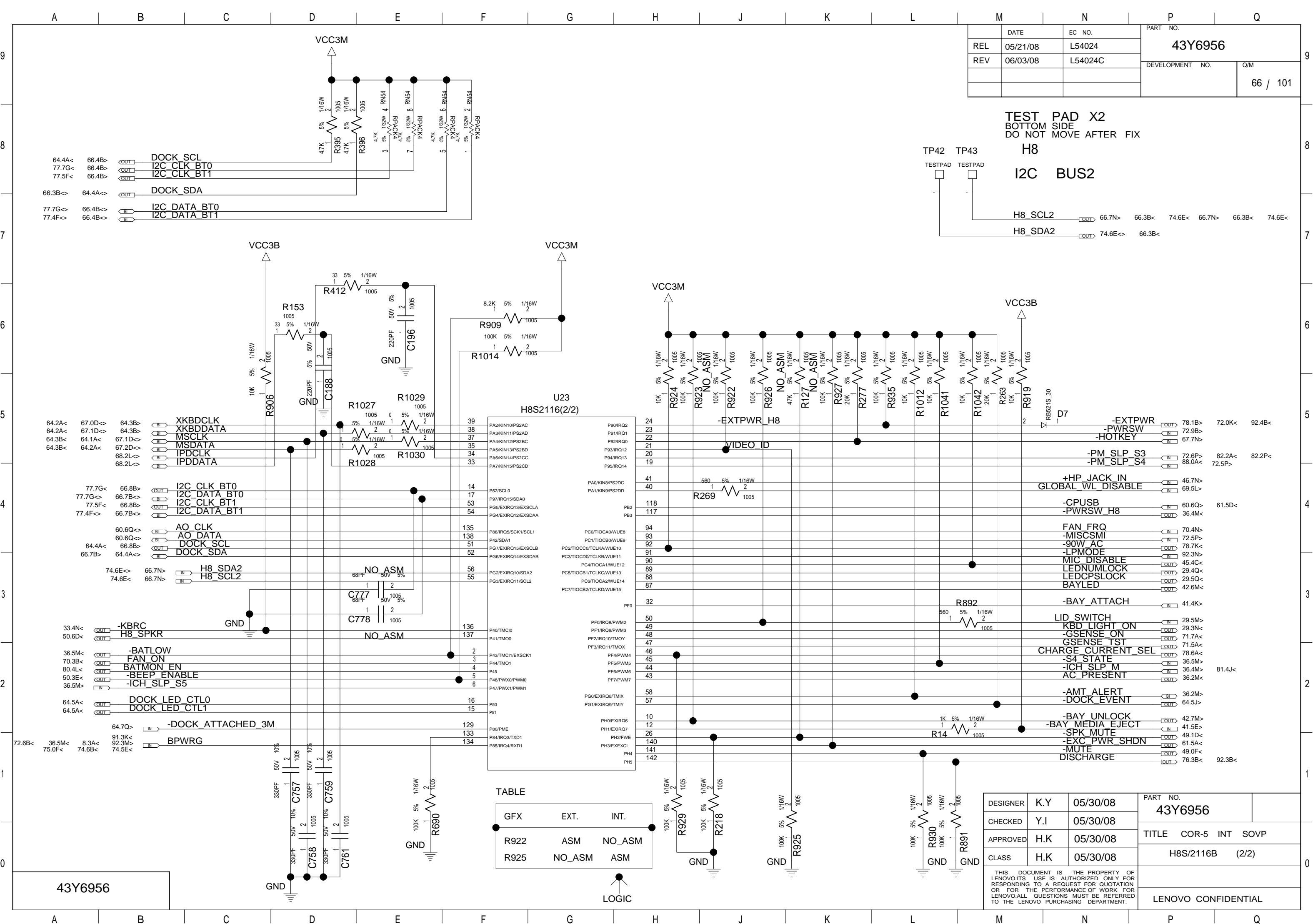
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CHECKED	Y.I	05/30/08		
APPROVED	H.K	05/30/08	TITLE COR-5 INT SOVP	
CLASS	H.K	05/30/08	SPI FLASH	
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			LENOVO CONFIDENTIAL	

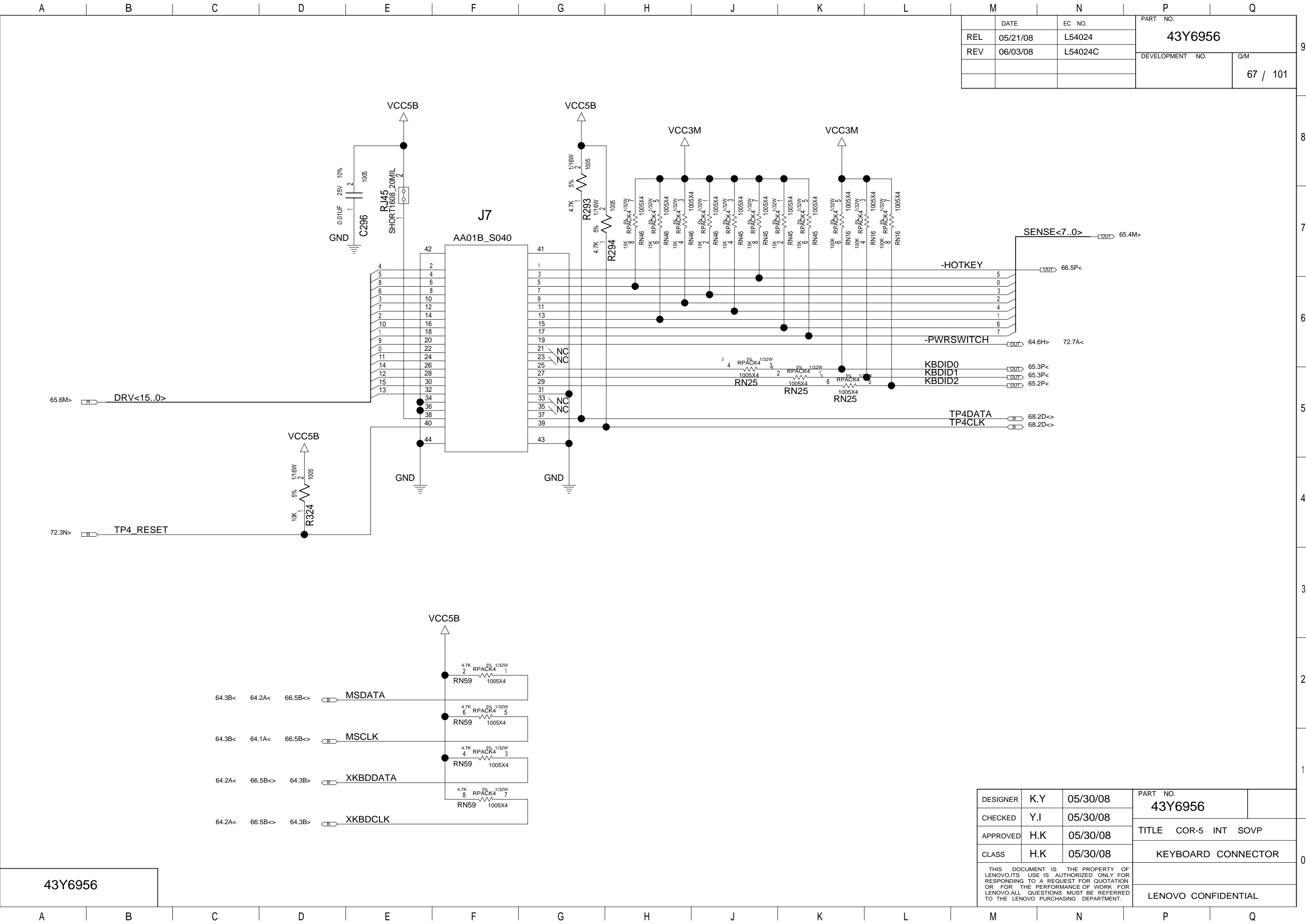


	DATE	EC NO.	PART NO.	
REL	05/21/08	L54024	43Y6956	
REV	06/03/08	L54024C	DEVELOPMENT NO.	Q/M
				64 / 101

DESIGNER	K.Y	05/30/08	PART NO.	
CHECKED	Y.I	05/30/08	43Y6956	
APPROVED	H.K	05/30/08	TITLE COR-5 INT SOVP	
CLASS	H.K	05/30/08	DOCKING CONNECTOR	
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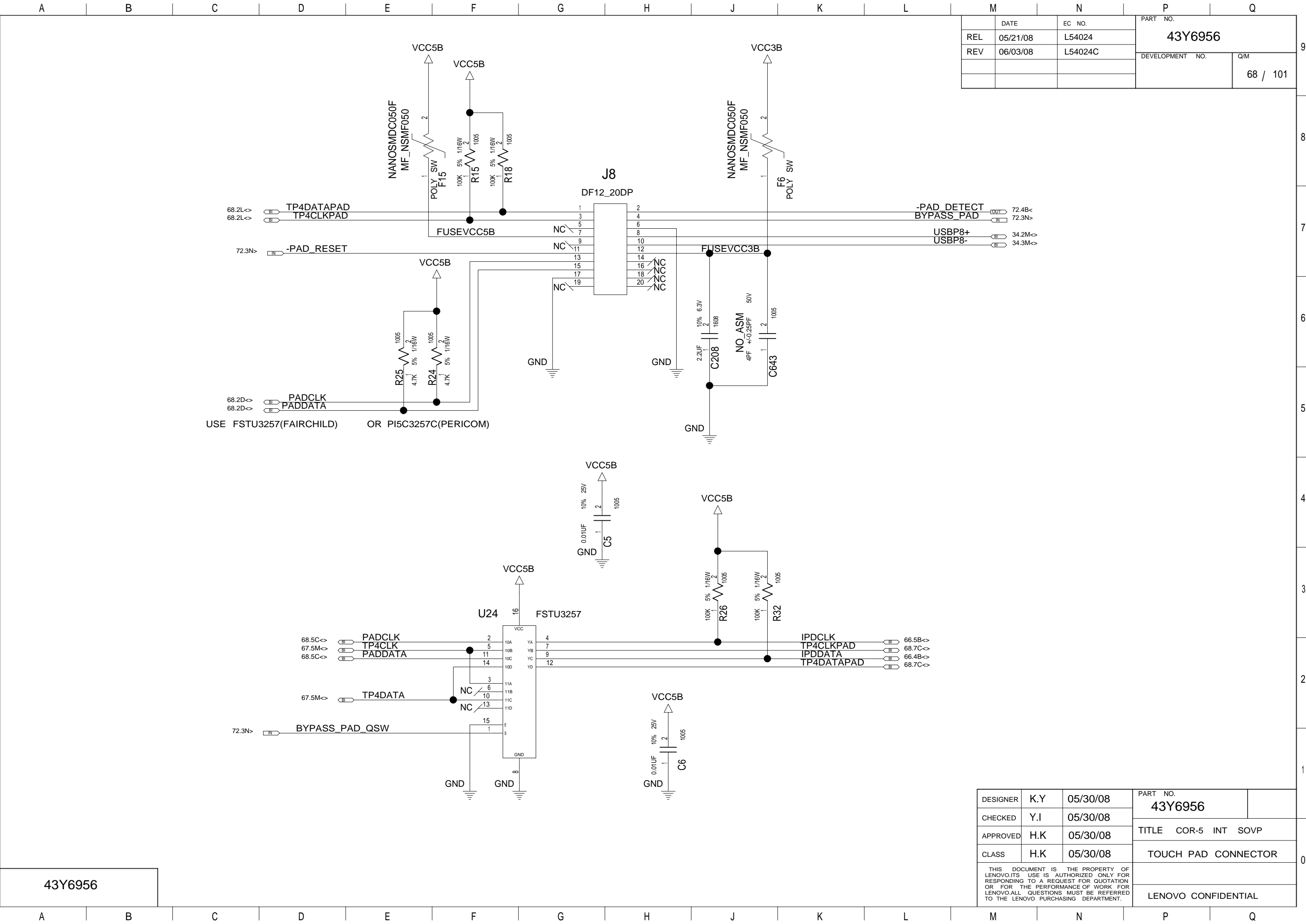




		PART NO.	
REL		L54024	
REV		L54024C	

43Y6956

DESIGNER	K.Y	05/30/08	PART NO.	
CHECKED	Y.I	05/30/08	43Y6956	
APPROVED	H.K	05/30/08	TITLE COR-5 INT SOVP	
CLASS	H.K	05/30/08	KEYBOARD CONNECTOR	
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			LENOVO CONFIDENTIAL	



		PART NO.	
REL		L54024	
REV		L54024C	

43Y6956

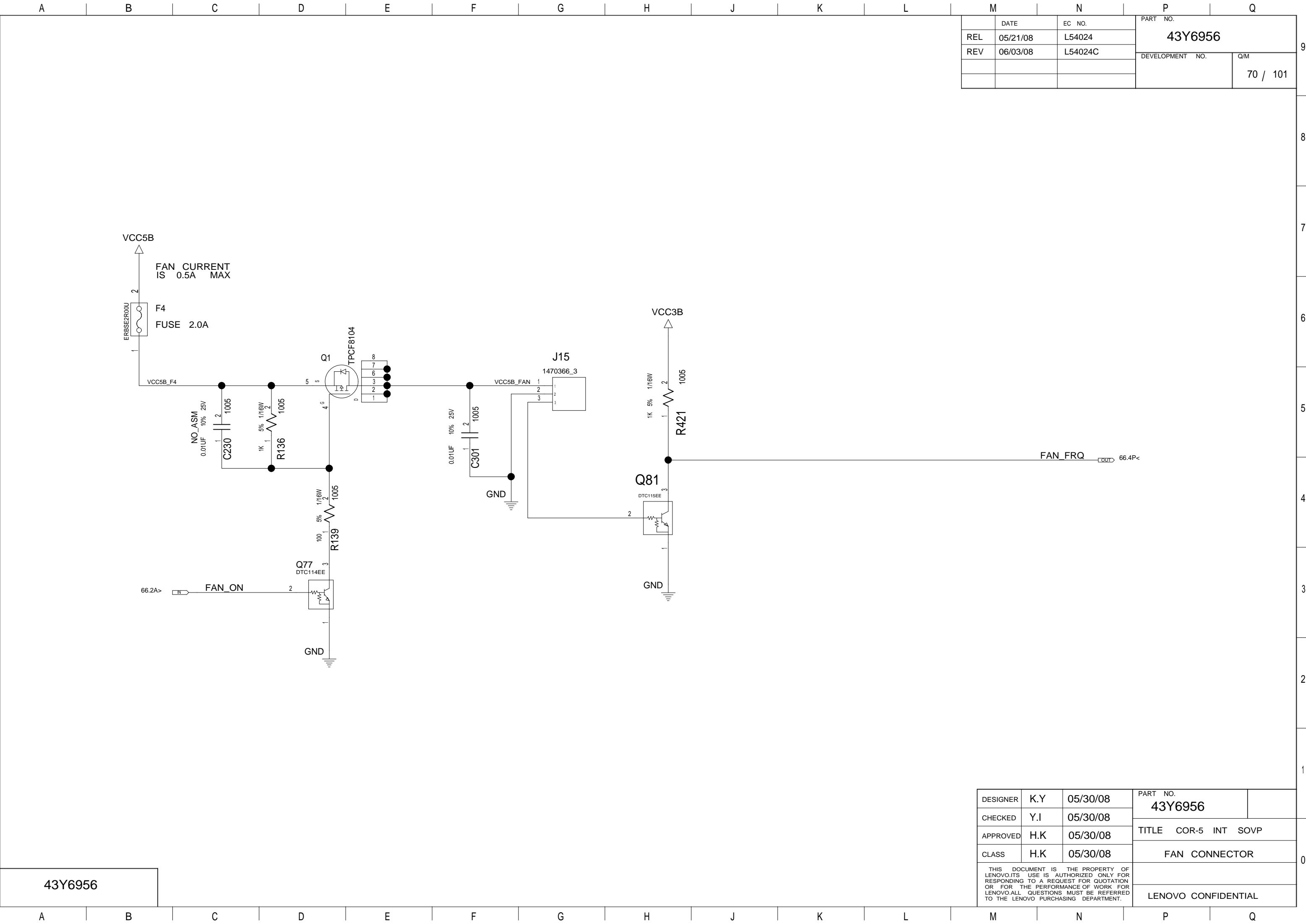
DEVELOPMENT NO.

Q/M

68 / 101

43Y6956

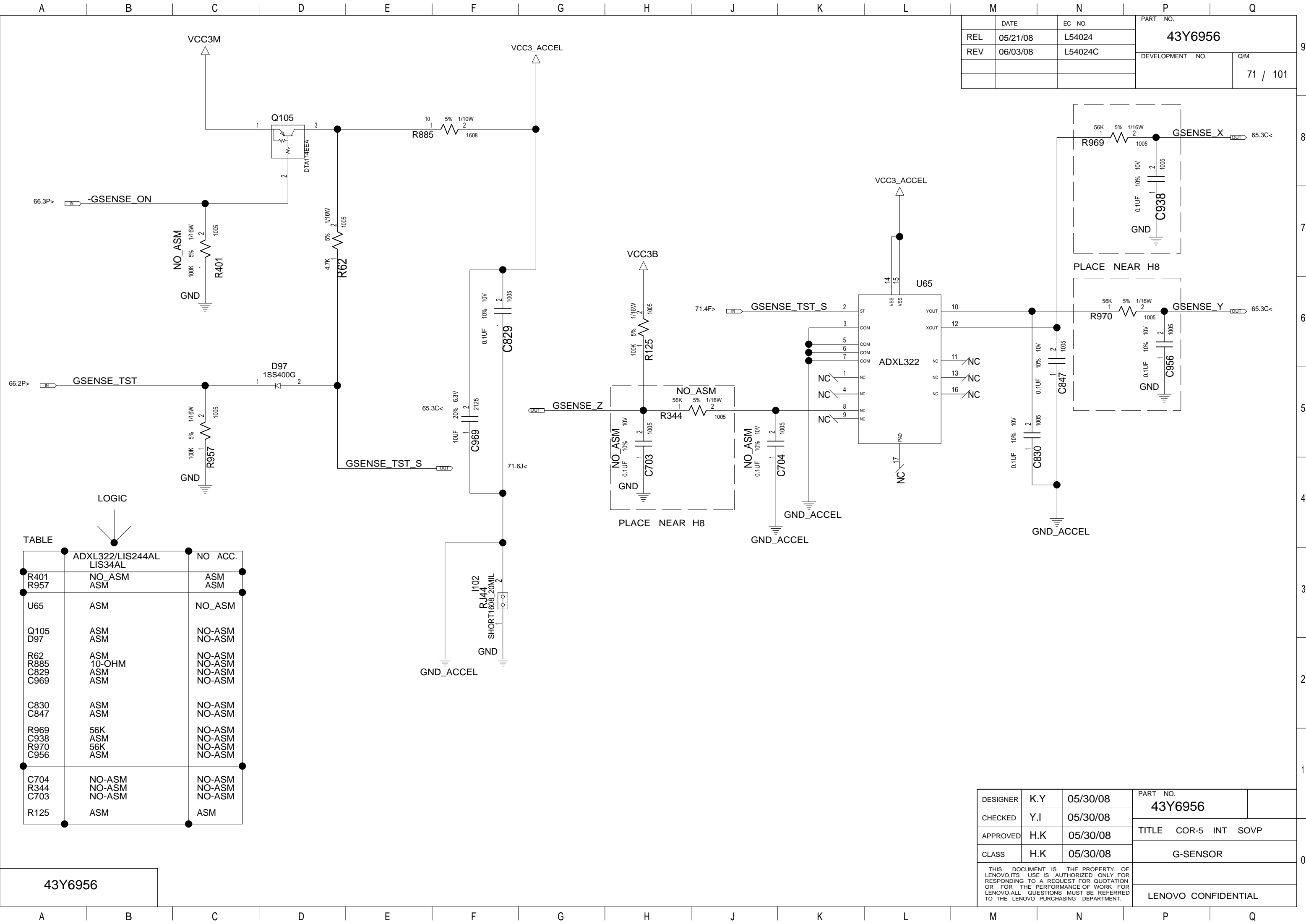
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CHECKED	Y.I	05/30/08	43Y6956	
APPROVED	H.K	05/30/08	TITLE COR-5 INT SOVP	
CLASS	H.K	05/30/08	TOUCH PAD CONNECTOR	
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M		N		P		Q	
	DATE	EC NO.		PART NO. 43Y6956			
REL	05/21/08	L54024					
REV	06/03/08	L54024C		DEVELOPMENT NO. Q/M 70 / 101			

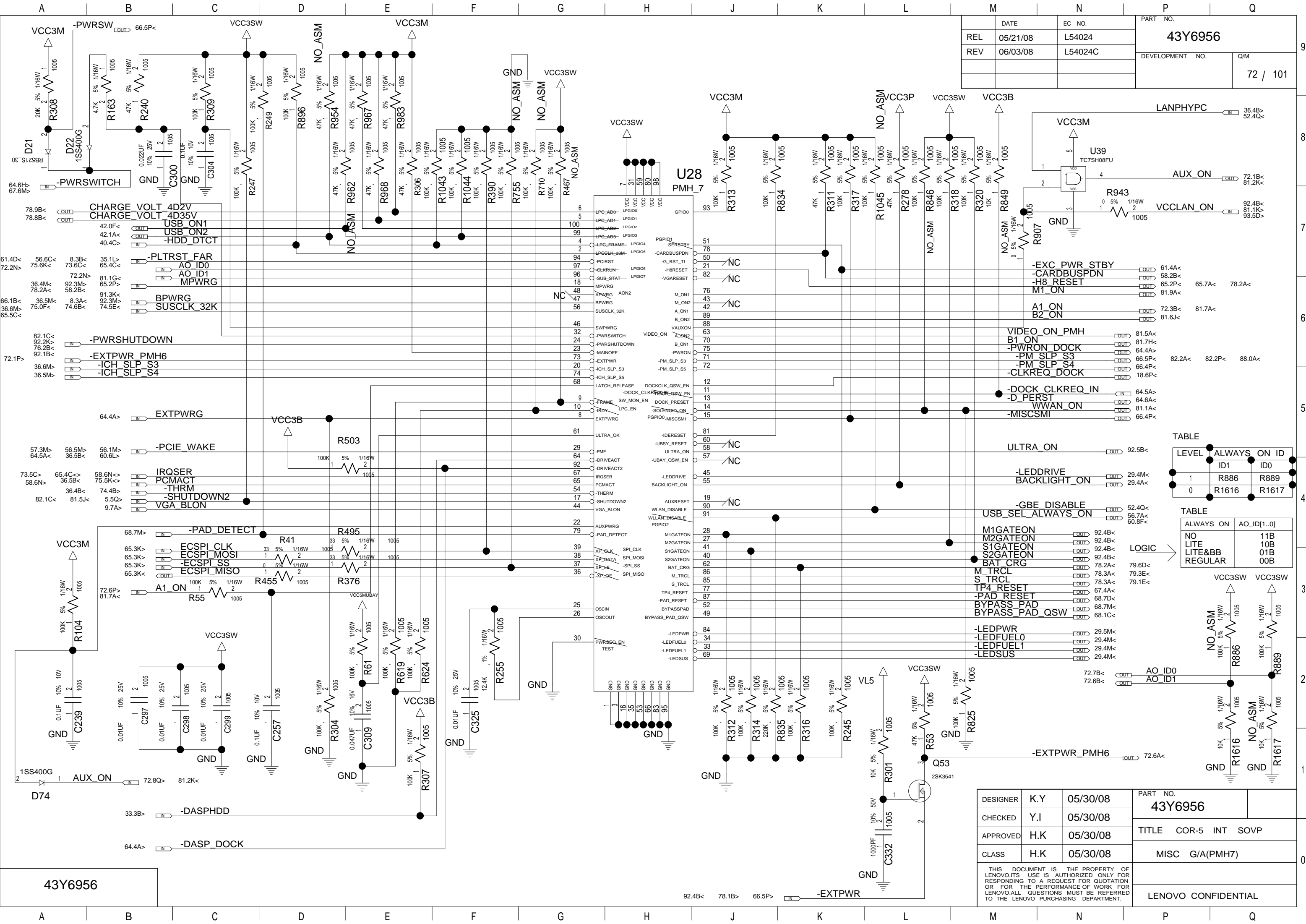
43Y6956

DESIGNER	K.Y	05/30/08	PART NO.		
CHECKED	Y.I	05/30/08	43Y6956		
APPROVED	H.K	05/30/08	TITLE COR-5 INT SOVP		
CLASS	H.K	05/30/08	FAN CONNECTOR		
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			LENOVO CONFIDENTIAL		



	DATE	EC NO.	PART NO. 43Y6956	
REL	05/21/08	L54024		
REV	06/03/08	L54024C	DEVELOPMENT NO.	Q/M
				71 / 101

DESIGNER	K.Y	05/30/08	PART NO. 43Y6956	
CHECKED	Y.I	05/30/08		
APPROVED	H.K	05/30/08	TITLE COR-5 INT SOVP	
CLASS	H.K	05/30/08	G-SENSOR	
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REL	05/21/08	EC NO.	L54024	PART NO.	
REV	06/03/08		L54024C	43Y6956	
				DEVELOPMENT NO.	Q/M
					72 / 101

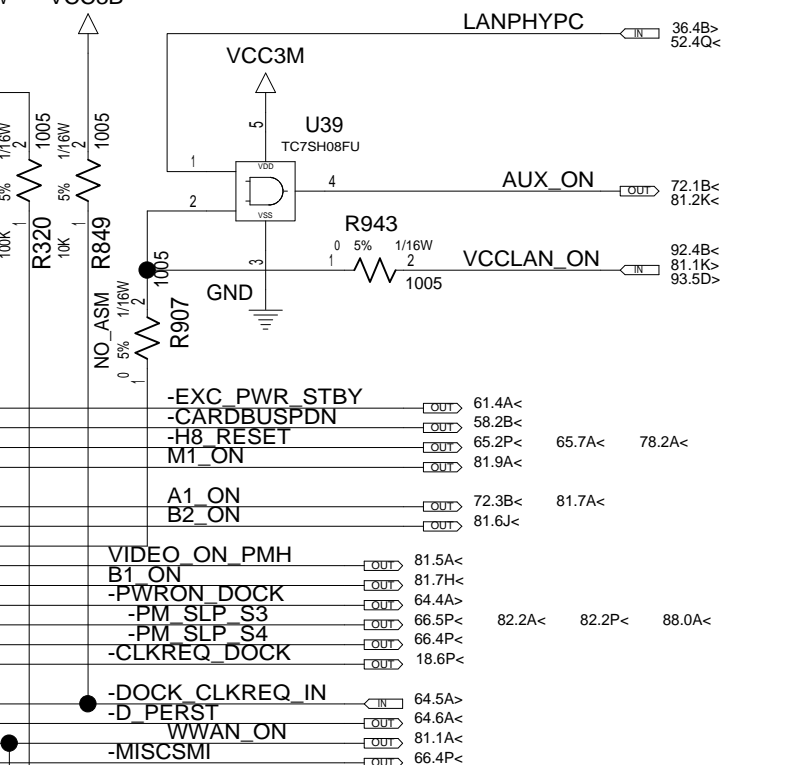
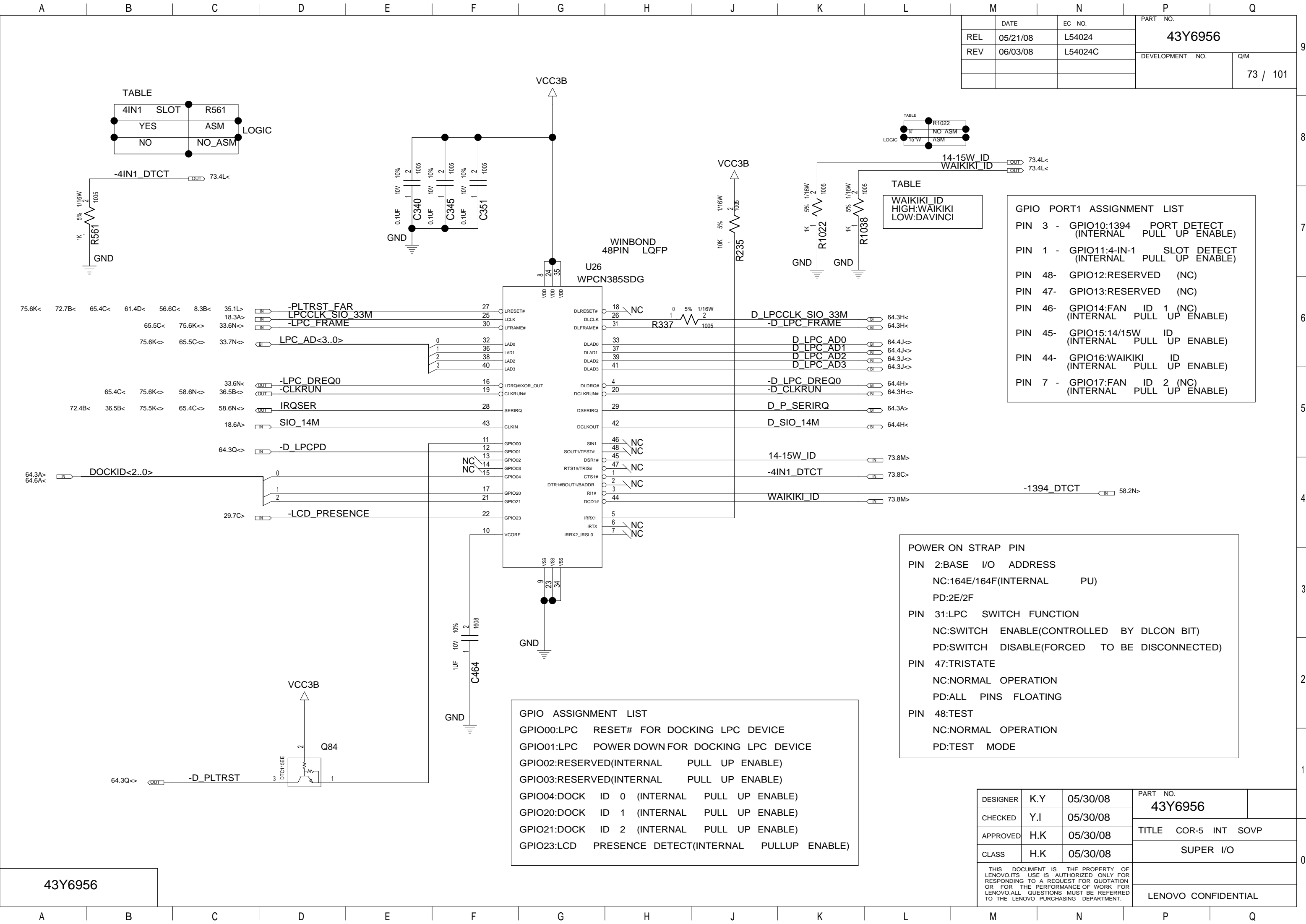


TABLE		
LEVEL	ALWAYS ON	ID
1	R886	R889
0	R1616	R1617

TABLE	
ALWAYS ON	AO_ID[1..0]
NO	11B
LITE	10B
LITE&BB	01B
REGULAR	00B

LOGIC

DESIGNER	K.Y	05/30/08	PART NO.	
CHECKED	Y.I	05/30/08	43Y6956	
APPROVED	H.K	05/30/08	TITLE COR-5 INT SOVP	
CLASS	H.K	05/30/08	MISC G/A(PMH7)	
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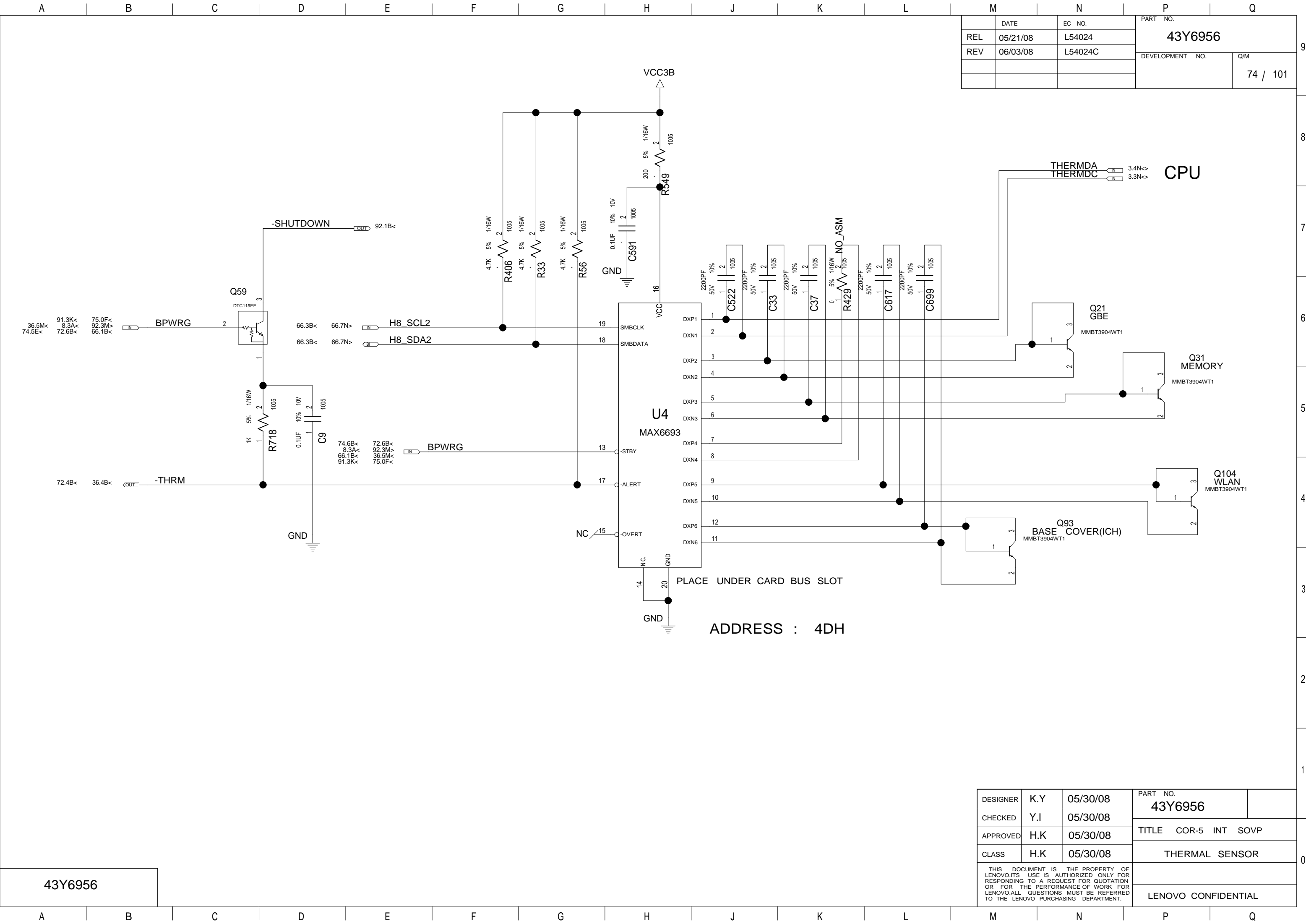
		PART NO.	
REL		43Y6956	
REV		L54024C	
		DEVELOPMENT NO.	
		Q/M	
		73 / 101	

GPIO PORT1 ASSIGNMENT LIST			
PIN 3	-	GPIO10:1394	PORT DETECT (INTERNAL PULL UP ENABLE)
PIN 1	-	GPIO11:4-IN-1	SLOT DETECT (INTERNAL PULL UP ENABLE)
PIN 48	-	GPIO12:RESERVED	(NC)
PIN 47	-	GPIO13:RESERVED	(NC)
PIN 46	-	GPIO14:FAN ID 1	(NC) (INTERNAL PULL UP ENABLE)
PIN 45	-	GPIO15:14/15W ID	(INTERNAL PULL UP ENABLE)
PIN 44	-	GPIO16:WAIKIKI ID	(INTERNAL PULL UP ENABLE)
PIN 7	-	GPIO17:FAN ID 2	(NC) (INTERNAL PULL UP ENABLE)

POWER ON STRAP PIN			
PIN 2	BASE I/O ADDRESS	NC:164E/164F(INTERNAL PU)	
		PD:2E/2F	
PIN 31	LPC SWITCH FUNCTION	NC:SWITCH ENABLE(CONTROLLED BY DLCON BIT)	
		PD:SWITCH DISABLE(FORCED TO BE DISCONNECTED)	
PIN 47	TRISTATE	NC:NORMAL OPERATION	
		PD:ALL PINS FLOATING	
PIN 48	TEST	NC:NORMAL OPERATION	
		PD:TEST MODE	

GPIO ASSIGNMENT LIST			
GPIO00	LPC RESET#	FOR DOCKING LPC DEVICE	
GPIO01	LPC POWER DOWN	FOR DOCKING LPC DEVICE	
GPIO02	RESERVED	(INTERNAL PULL UP ENABLE)	
GPIO03	RESERVED	(INTERNAL PULL UP ENABLE)	
GPIO04	DOCK ID 0	(INTERNAL PULL UP ENABLE)	
GPIO20	DOCK ID 1	(INTERNAL PULL UP ENABLE)	
GPIO21	DOCK ID 2	(INTERNAL PULL UP ENABLE)	
GPIO23	LCD PRESENCE DETECT	(INTERNAL PULLUP ENABLE)	

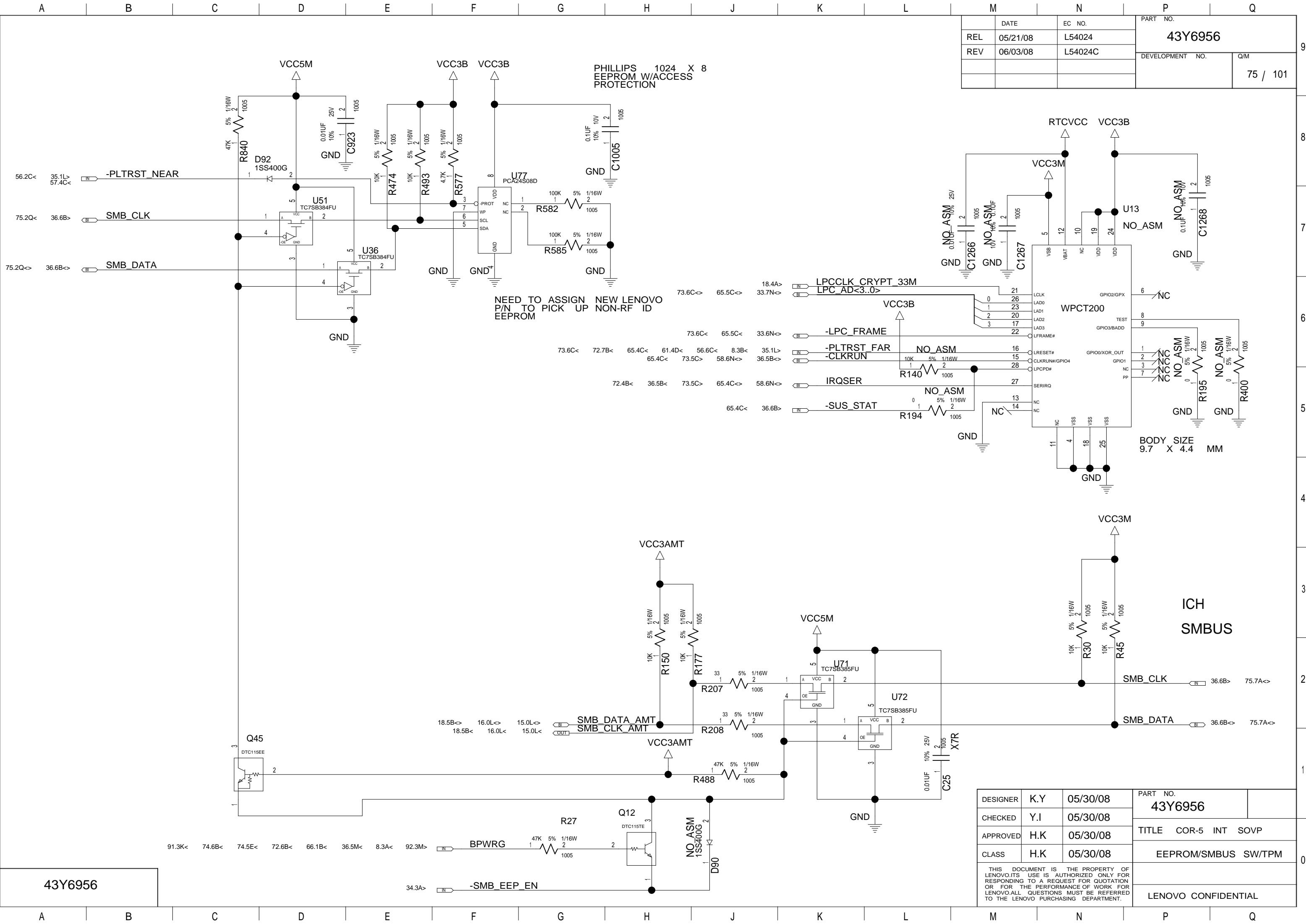
DESIGNER	K.Y	05/30/08	PART NO.	
CHECKED	Y.I	05/30/08	43Y6956	
APPROVED	H.K	05/30/08	TITLE COR-5 INT SOVP	
CLASS	H.K	05/30/08	SUPER I/O	
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		PART NO.	
REL		43Y6956	
REV		L54024C	
		DEVELOPMENT NO.	
		Q/M	
		74 / 101	

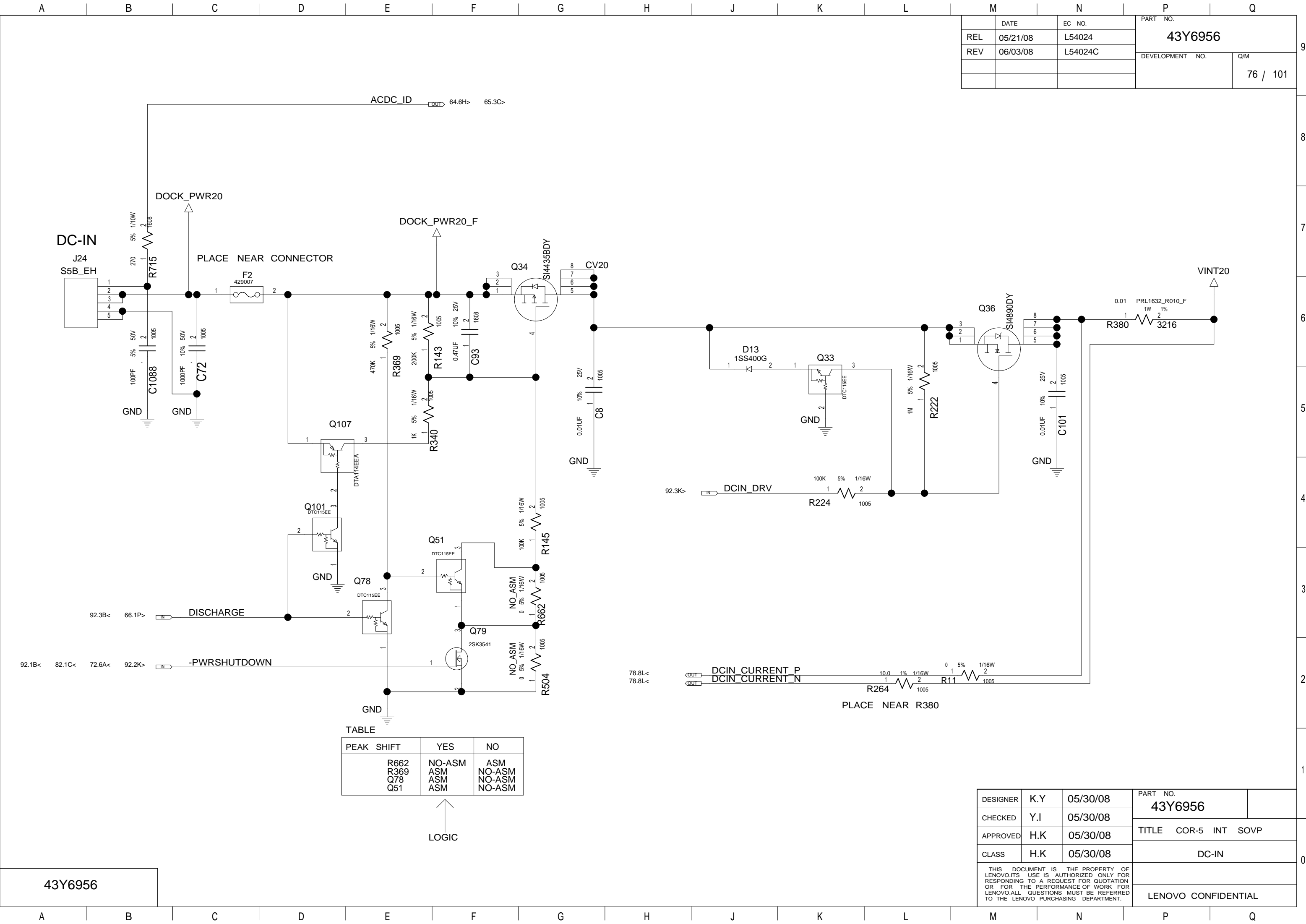
43Y6956

DESIGNER	K.Y	05/30/08	PART NO.	
CHECKED	Y.I	05/30/08	43Y6956	
APPROVED	H.K	05/30/08	TITLE COR-5 INT SOVP	
CLASS	H.K	05/30/08	THERMAL SENSOR	
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M		N		P		Q	
	DATE	EC NO.		PART NO. 43Y6956			
REL	05/21/08	L54024					
REV	06/03/08	L54024C		DEVELOPMENT NO. Q/M 75 / 101			

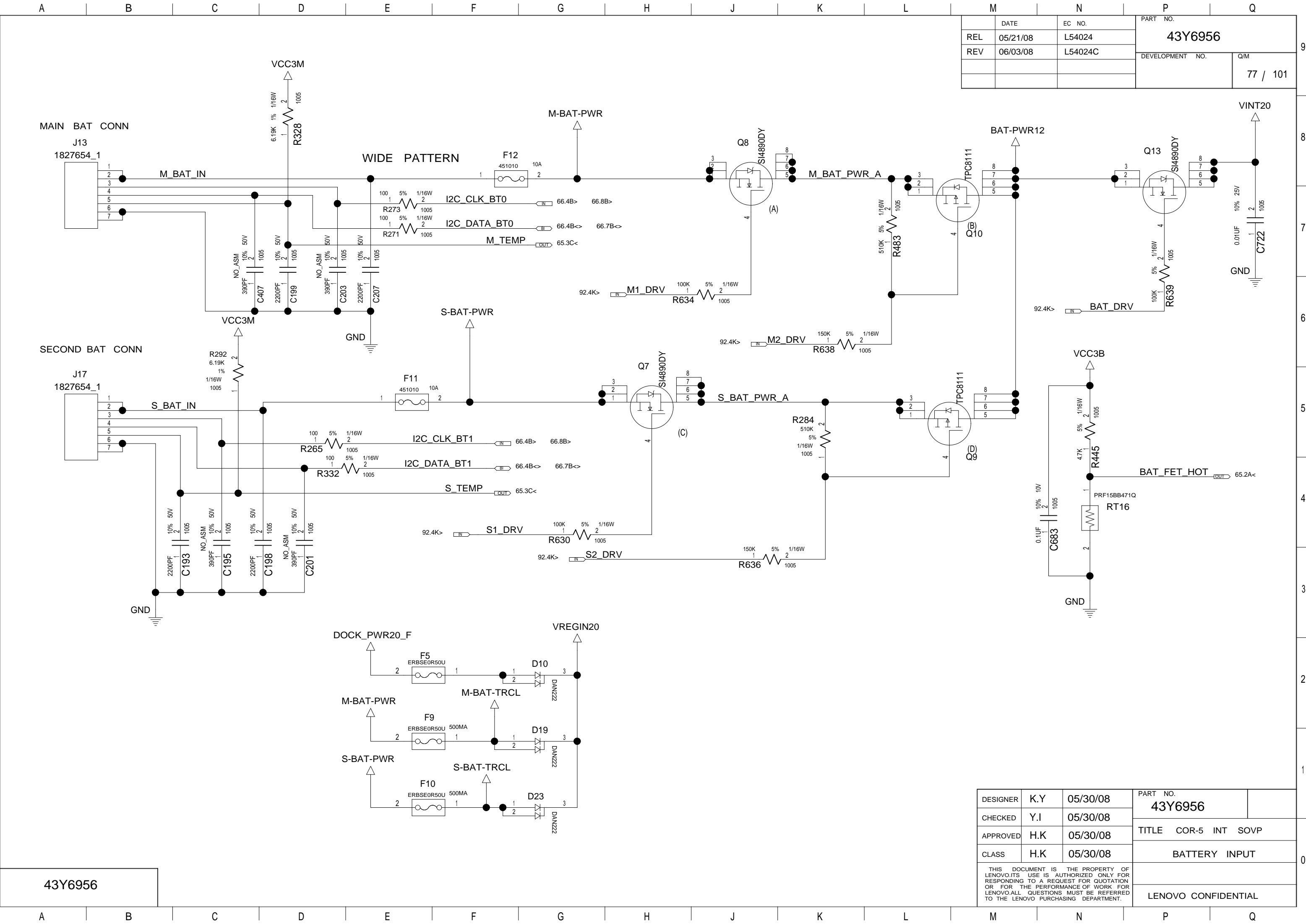
DESIGNER	K.Y	05/30/08	PART NO.	
CHECKED	Y.I	05/30/08	43Y6956	
APPROVED	H.K	05/30/08	TITLE COR-5 INT SOVP	
CLASS	H.K	05/30/08	EEPROM/SMBUS SW/TPM	
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	DATE	EC NO.	PART NO. 43Y6956	
REL	05/21/08	L54024		
REV	06/03/08	L54024C	DEVELOPMENT NO.	Q/M
				76 / 101

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

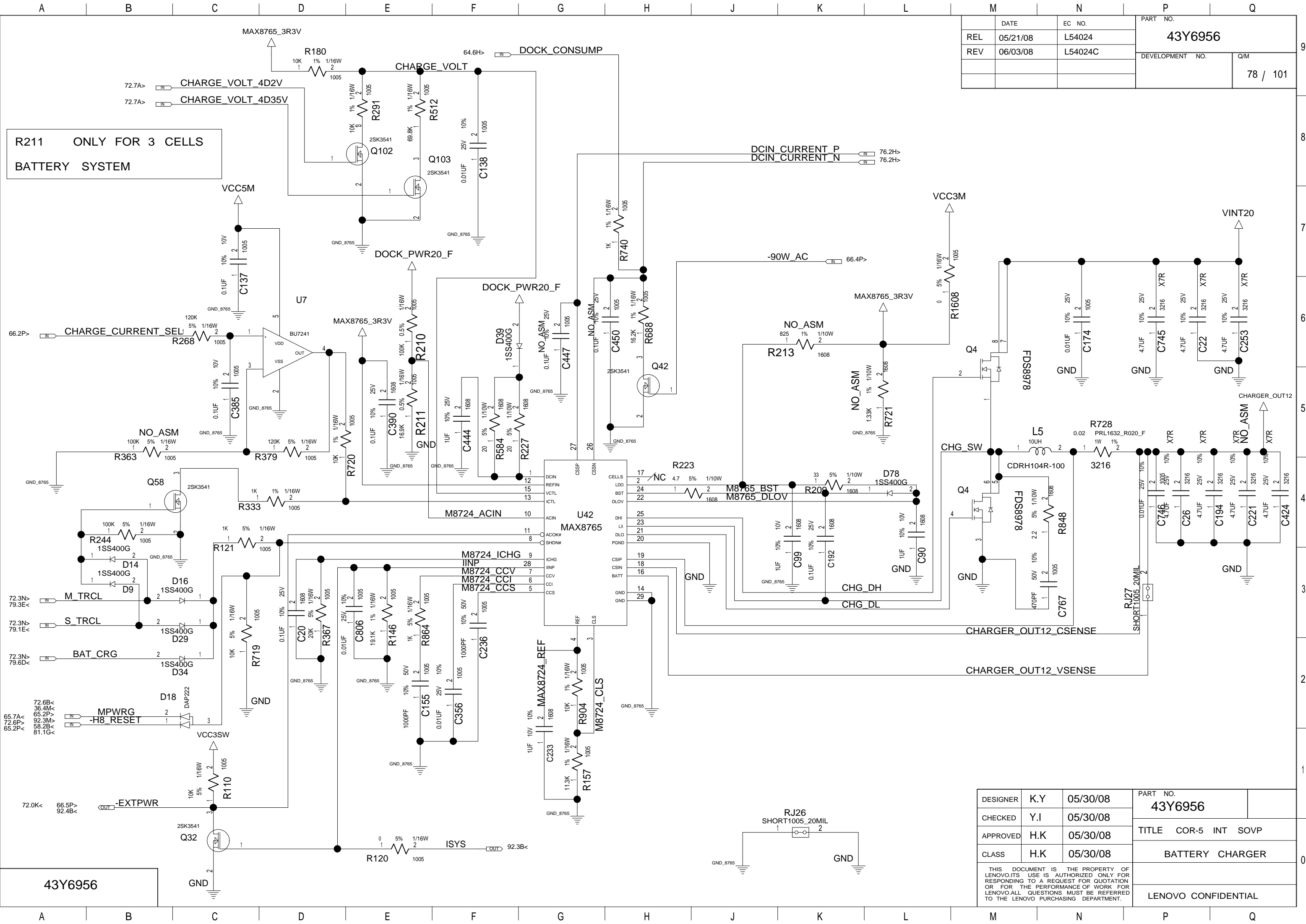
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CHECKED	Y.I	05/30/08	43Y6956	
APPROVED	H.K	05/30/08	TITLE	COR-5 INT SOVP
CLASS	H.K	05/30/08		DC-IN
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	DATE	EC NO.	PART NO. 43Y6956	
REL	05/21/08	L54024		
REV	06/03/08	L54024C	DEVELOPMENT NO.	Q/M
				77 / 101

DESIGNER	K.Y	05/30/08	PART NO. 43Y6956	
CHECKED	Y.I	05/30/08		
APPROVED	H.K	05/30/08	TITLE COR-5 INT SOVP	
CLASS	H.K	05/30/08	BATTERY INPUT	
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43Y6956

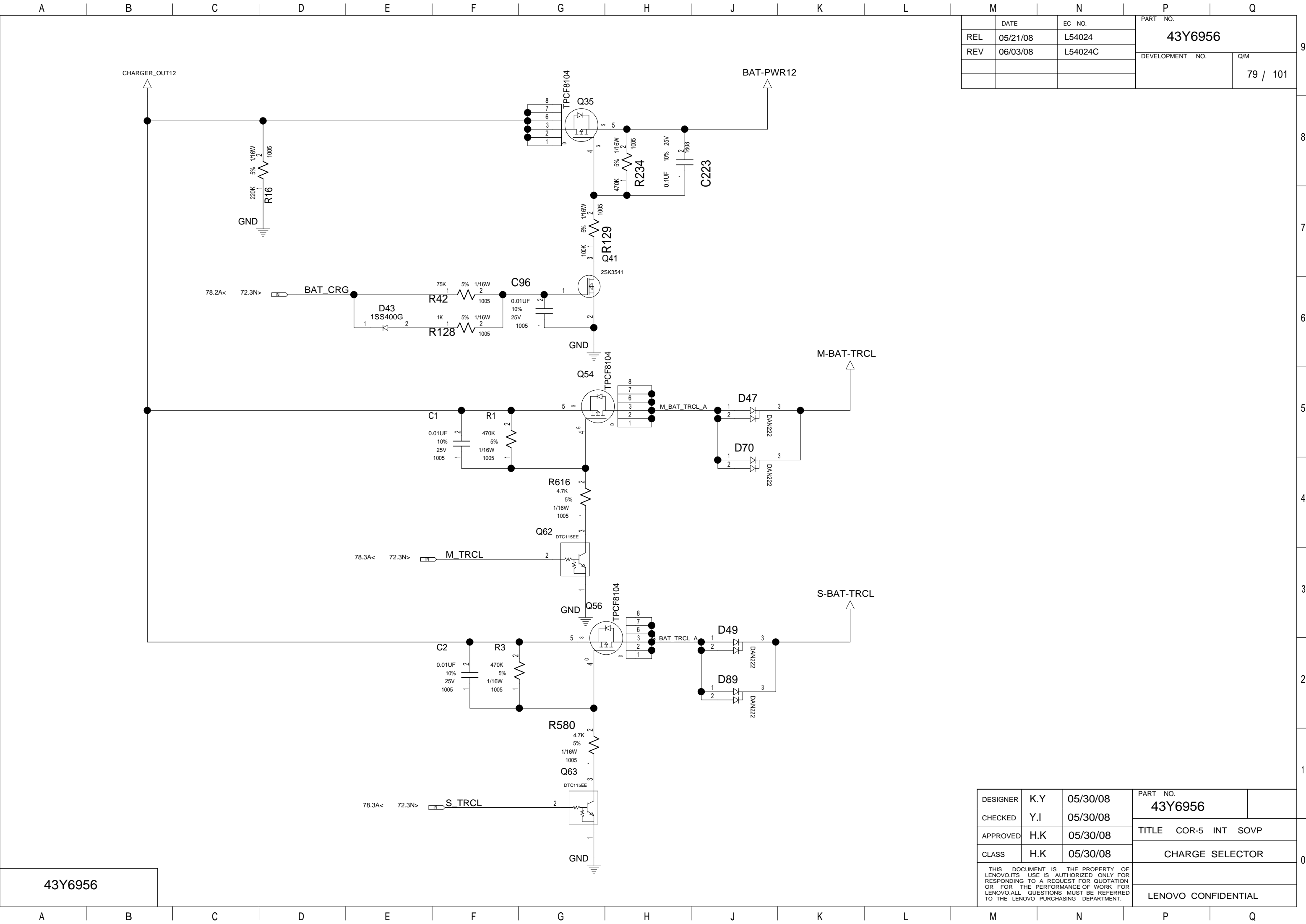


R211 ONLY FOR 3 CELLS
BATTERY SYSTEM

43Y6956

	DATE	EC NO.	PART NO.	
REL	05/21/08	L54024	43Y6956	
REV	06/03/08	L54024C	DEVELOPMENT NO.	Q/M
				78 / 101

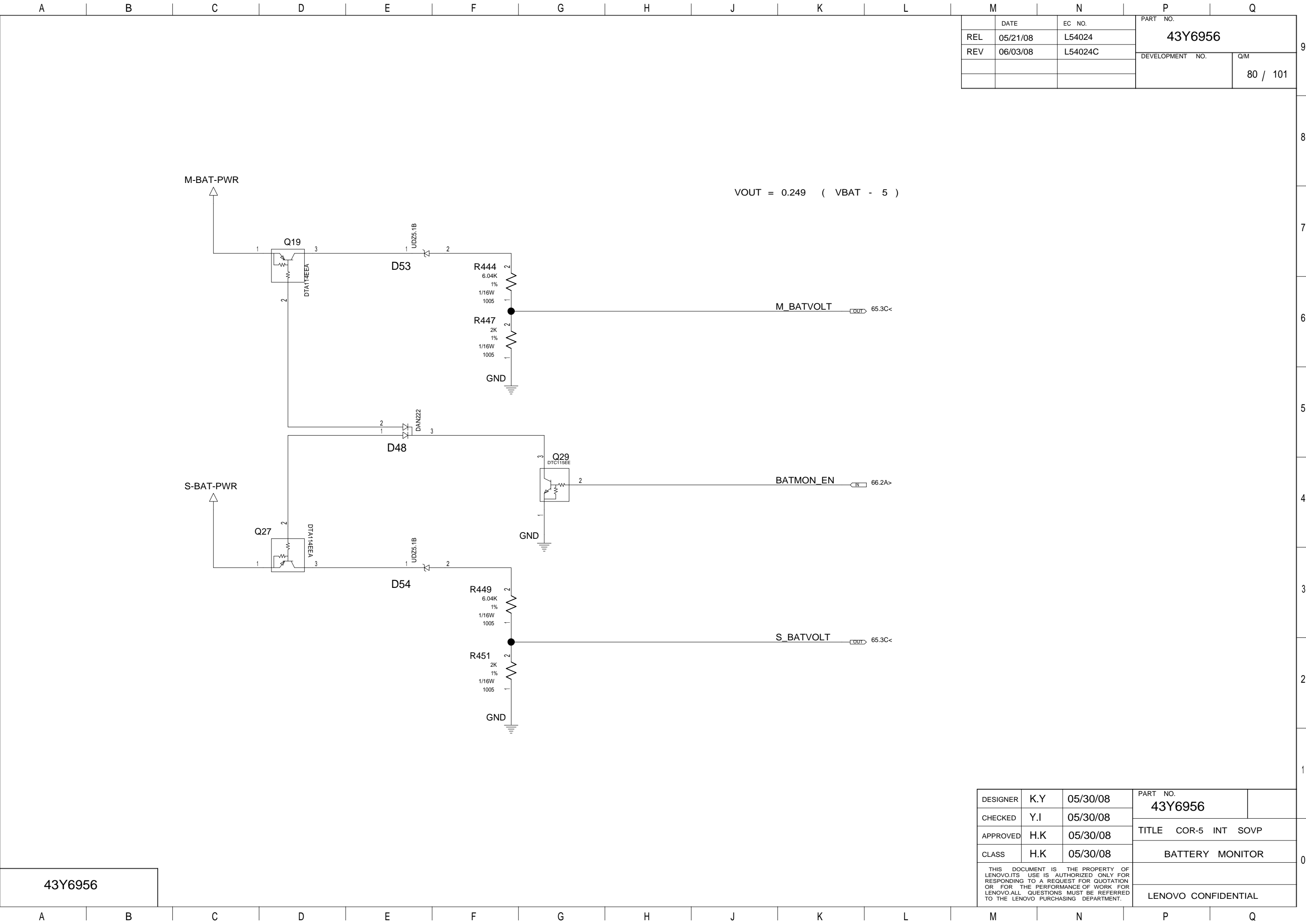
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CHECKED	Y.I	05/30/08	43Y6956	
APPROVED	H.K	05/30/08	TITLE COR-5 INT SOVP	
CLASS	H.K	05/30/08	BATTERY CHARGER	
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	DATE	EC NO.	PART NO.	
REL	05/21/08	L54024	43Y6956	
REV	06/03/08	L54024C	DEVELOPMENT NO.	Q/M
				79 / 101

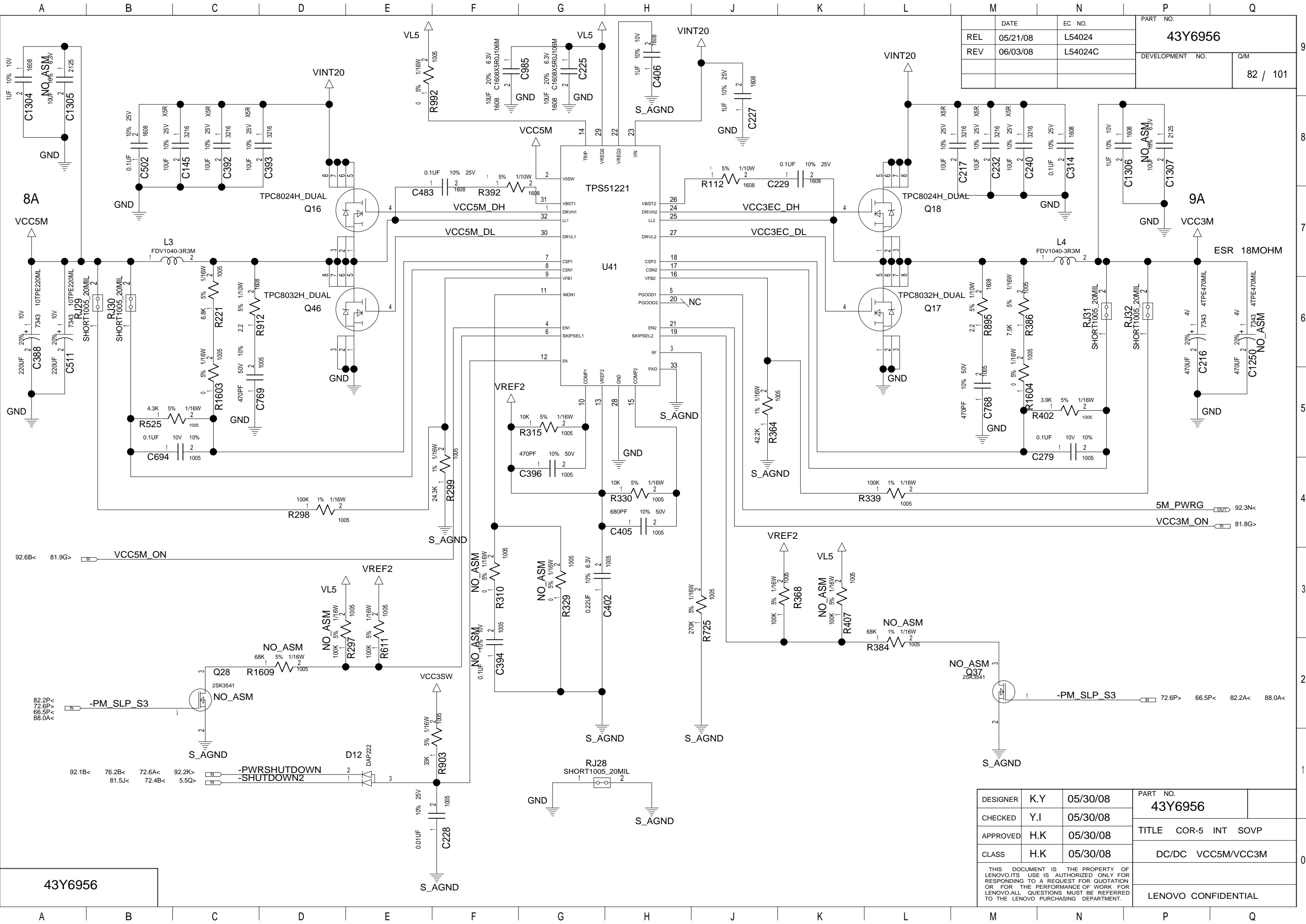
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DESIGNER	K.Y	05/30/08	PART NO.	
CHECKED	Y.I	05/30/08	43Y6956	
APPROVED	H.K	05/30/08	TITLE COR-5 INT SOVP	
CLASS	H.K	05/30/08	CHARGE SELECTOR	
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M		N		P		Q	
	DATE	EC NO.		PART NO. 43Y6956			
REL	05/21/08	L54024					
REV	06/03/08	L54024C					
				DEVELOPMENT NO.		Q/M	
						80 / 101	

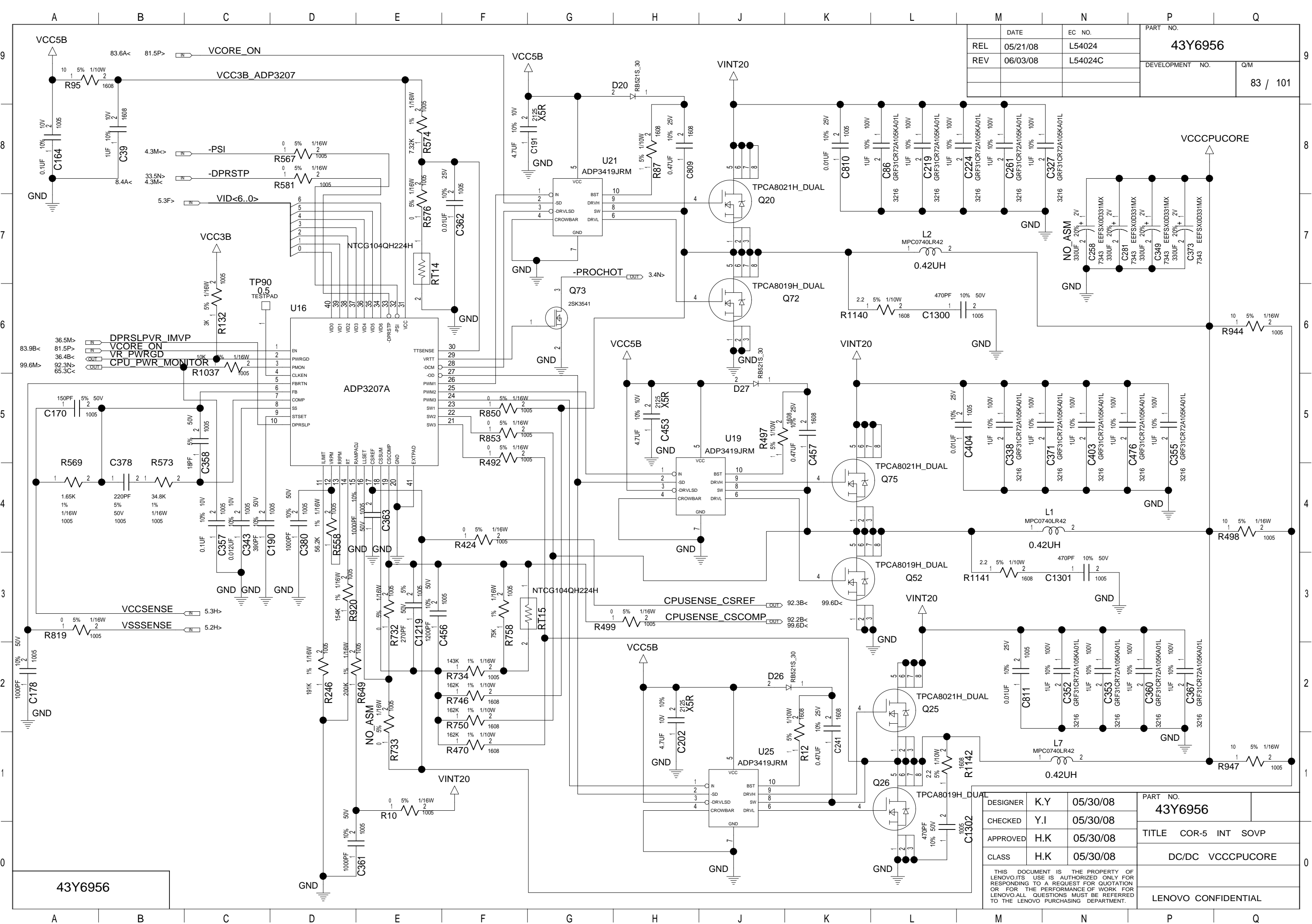
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CHECKED	Y.I	05/30/08	43Y6956		
APPROVED	H.K	05/30/08	TITLE COR-5 INT SOVP		
CLASS	H.K	05/30/08	BATTERY MONITOR		
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			LENOVO CONFIDENTIAL		



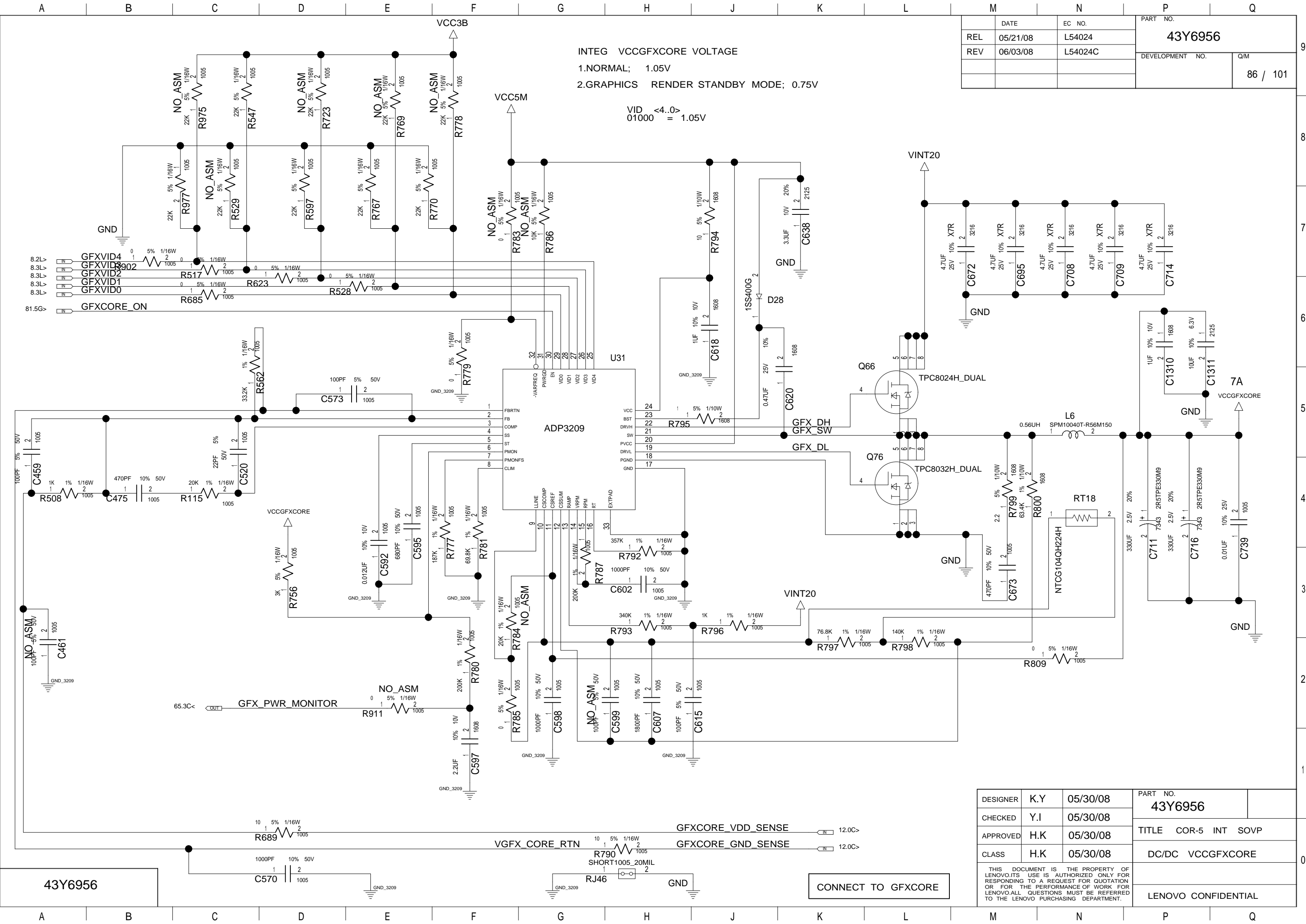
DATE		EC NO.	PART NO.	
REL		05/21/08	L54024	
REV		06/03/08	L54024C	
			DEVELOPMENT NO.	Q/M
			82 / 101	

43Y6956

DESIGNER	K.Y	05/30/08	PART NO.	
CHECKED	Y.I	05/30/08	43Y6956	
APPROVED	H.K	05/30/08	TITLE COR-5 INT SOVP	
CLASS	H.K	05/30/08	DC/DC VCC5M/VCC3M	
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	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q			
9														DATE	EC NO.	PART NO. 43Y6956		
													REL	05/21/08	L54024			
													REV	06/03/08	L54024C			
																DEVELOPMENT NO.	Q/M 85 / 101	
8																		
7																		
6																		
5																		
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3																		
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1																		
0																		
	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q			
9														DATE	EC NO.	PART NO. 43Y6956		
													CHECKED	Y.I	05/30/08			
													APPROVED	H.K	05/30/08			
													CLASS	H.K	05/30/08	TITLE COR-5 INT SOVP		
													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
8																		
7																		
6																		
5																		
4																		
3																		
2																		
1																		
0																		



INTEG VCCGFXCORE VOLTAGE
1.NORMAL; 1.05V
2.GRAPHICS RENDER STANDBY MODE; 0.75V

VID <4.0>
01000 = 1.05V

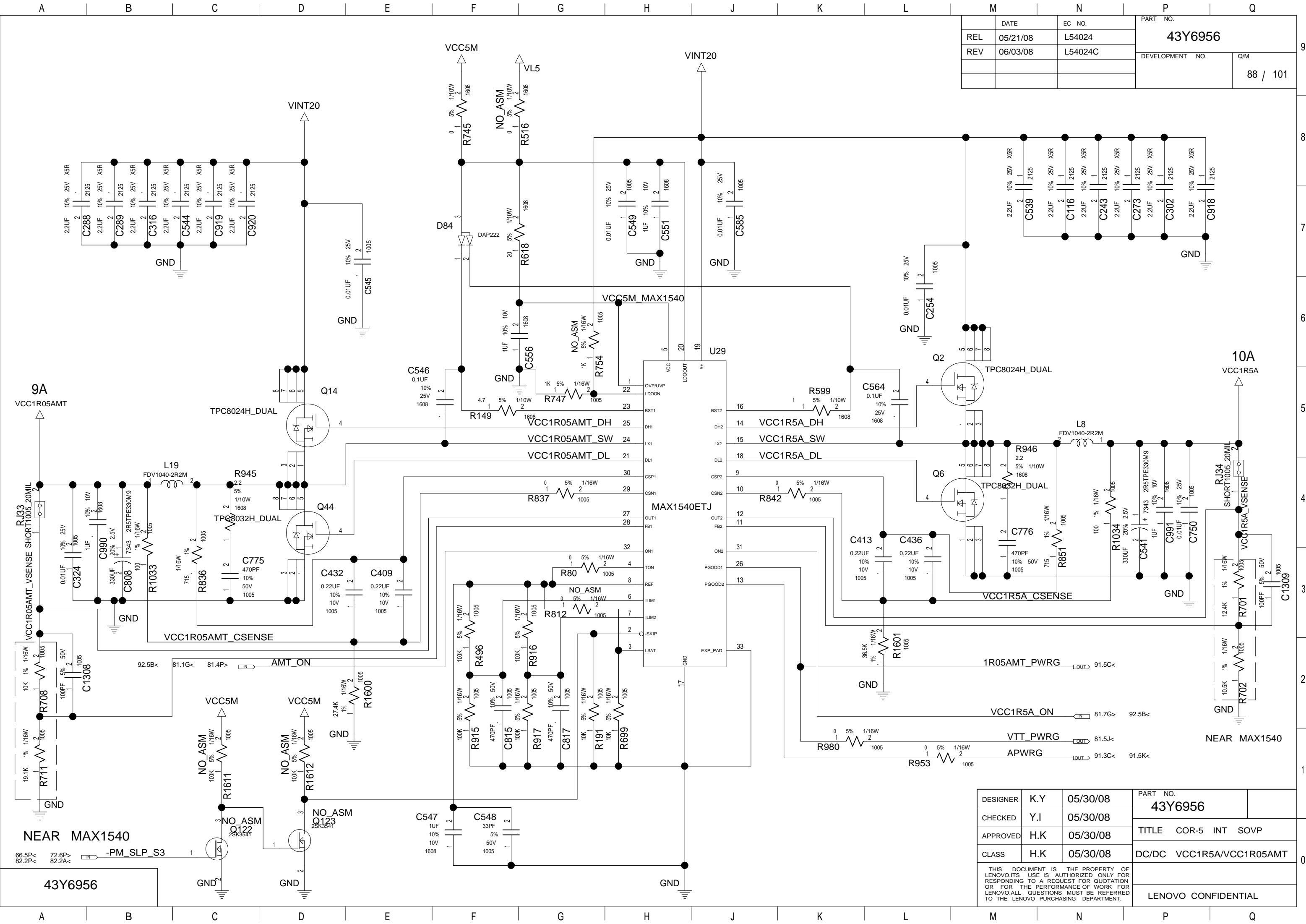
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REL	05/21/08	L54024	43Y6956	
REV	06/03/08	L54024C	DEVELOPMENT NO.	Q/M
				86 / 101

DESIGNER	K.Y	05/30/08	PART NO.	
CHECKED	Y.I	05/30/08	43Y6956	
APPROVED	H.K	05/30/08	TITLE COR-5 INT SOVP	
CLASS	H.K	05/30/08	DC/DC VCCGFXCORE	
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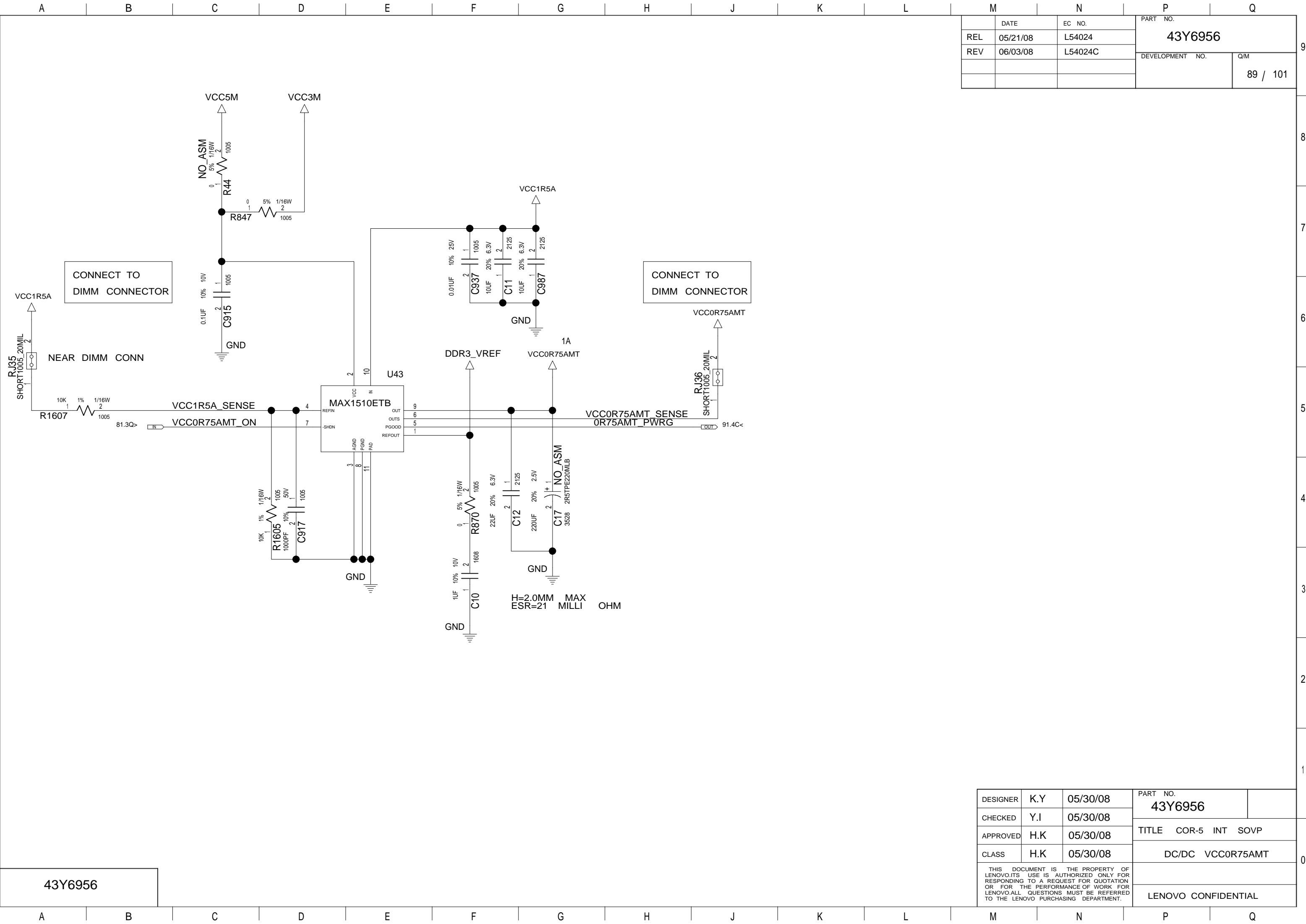
CONNECT TO GFXCORE

[illegible]



DATE		EC NO.	PART NO.	
REL		05/21/08		
REV		06/03/08	L54024C	DEVELOPMENT NO.
				Q/M
				88 / 101

DESIGNER	K.Y	05/30/08	PART NO.	
CHECKED	Y.I	05/30/08		
APPROVED	H.K	05/30/08	TITLE COR-5 INT SOVP	
CLASS	H.K	05/30/08	DC/DC VCC1R5A/VCC1R05AMT	
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		PART NO.	
REL		DATE	EC NO.
REV		05/21/08	L54024
		06/03/08	L54024C

43Y6956	
DEVELOPMENT NO.	
Q/M	
89 / 101	

43Y6956

DESIGNER	K.Y	05/30/08	PART NO.	
CHECKED	Y.I	05/30/08	43Y6956	
APPROVED	H.K	05/30/08	TITLE COR-5 INT SOVP	
CLASS	H.K	05/30/08	DC/DC VCC0R75AMT	
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		DATE		EC NO.		PART NO.			
REL	05/21/08			L54024		43Y6956			
REV	06/03/08			L54024C		DEVELOPMENT NO.		Q/M	
								90 / 101	

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DESIGNER	K.Y	05/30/08	PART NO.			
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APPROVED	H.K	05/30/08	TITLE COR-5 INT SOVP			
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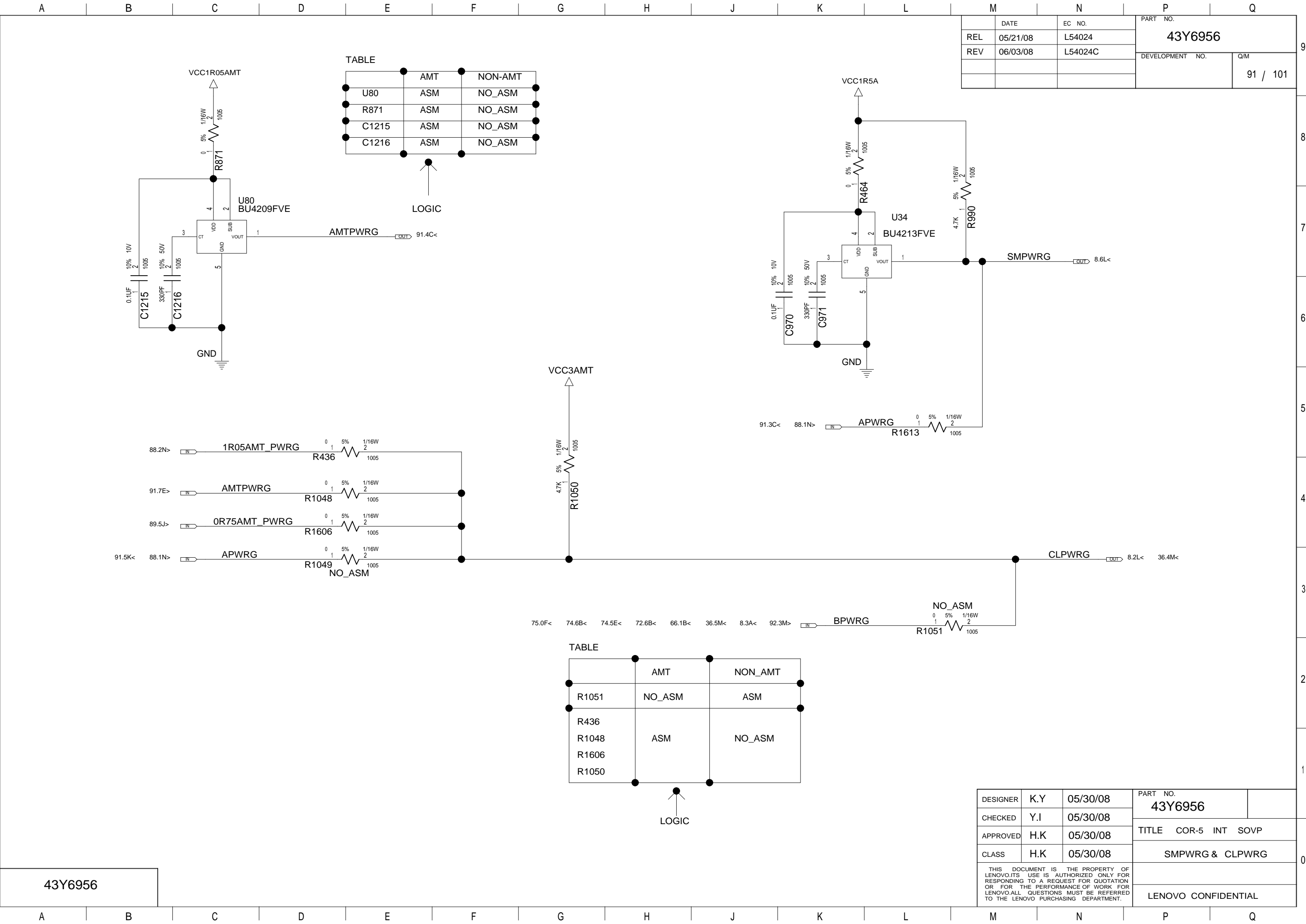


TABLE		
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U80	ASM	NO_ASM
R871	ASM	NO_ASM
C1215	ASM	NO_ASM
C1216	ASM	NO_ASM

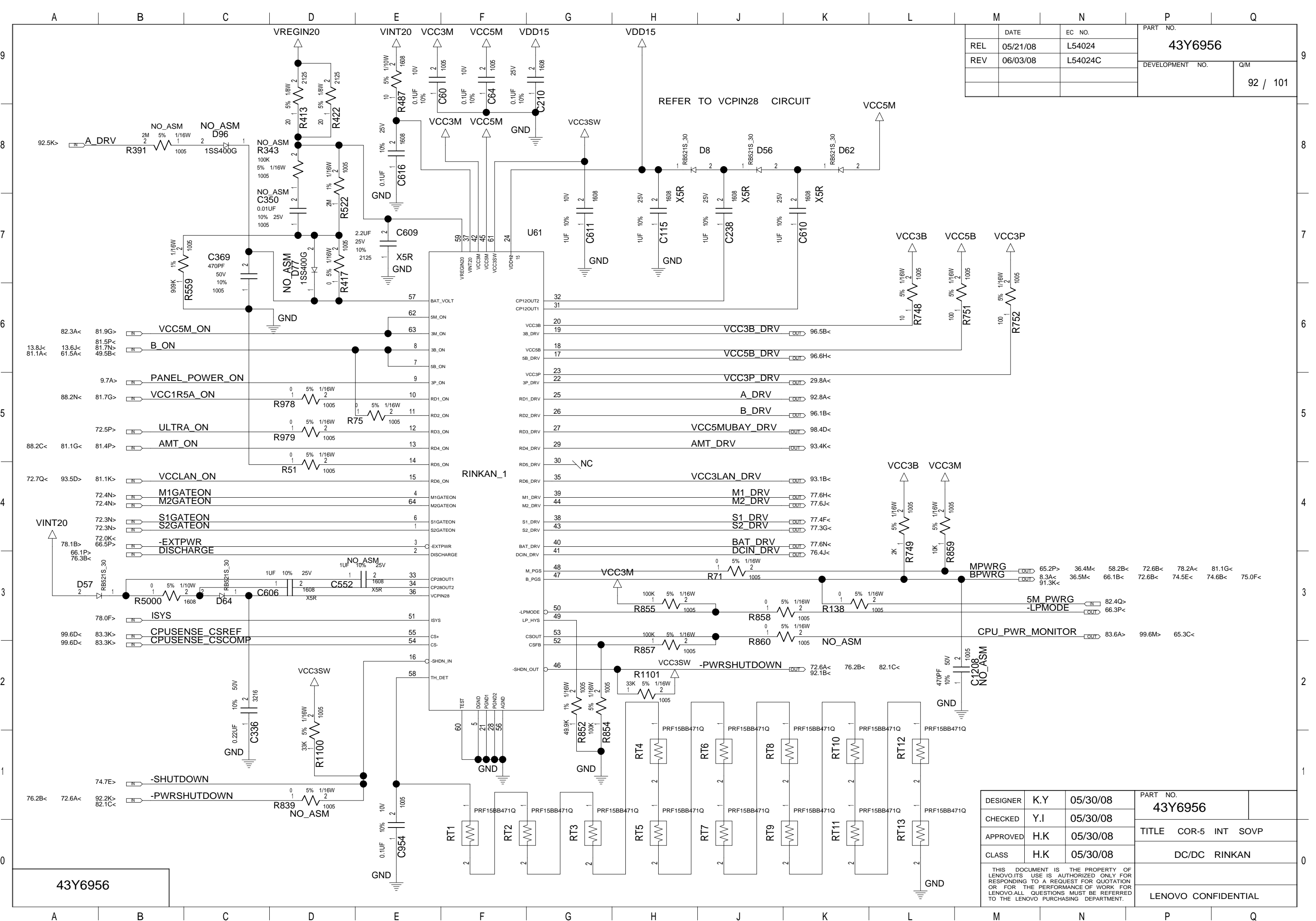
LOGIC

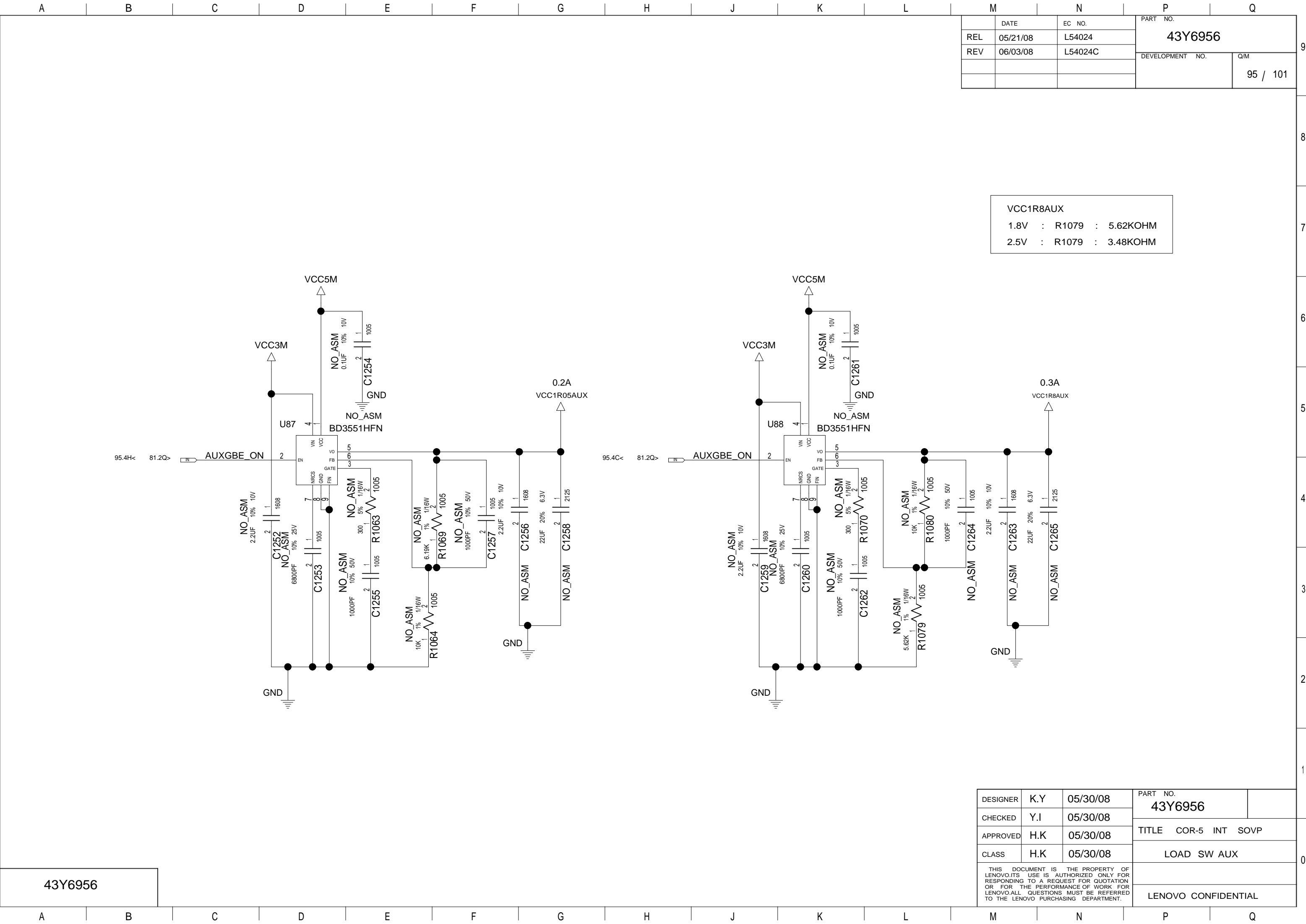
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R1051	NO_ASM	ASM
R436	ASM	NO_ASM
R1048	ASM	NO_ASM
R1606	ASM	NO_ASM
R1050	ASM	NO_ASM

LOGIC

DATE		EC NO.	PART NO. 43Y6956	
REL	05/21/08	L54024		
REV	06/03/08	L54024C	DEVELOPMENT NO.	
			Q/M	
			91 / 101	

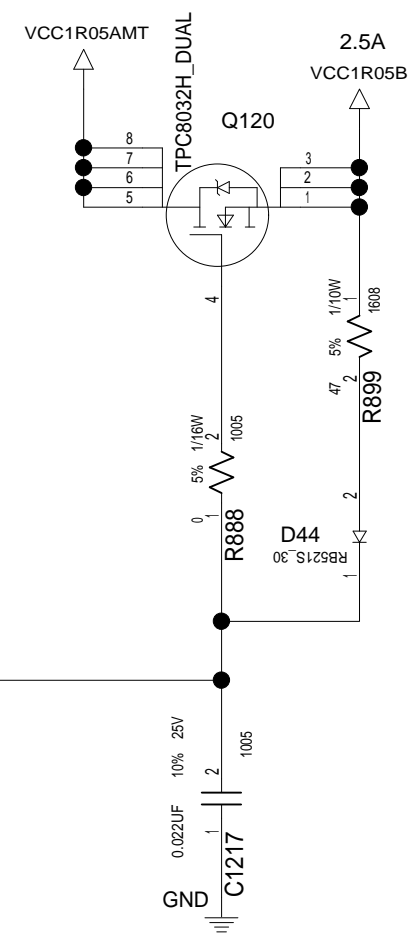
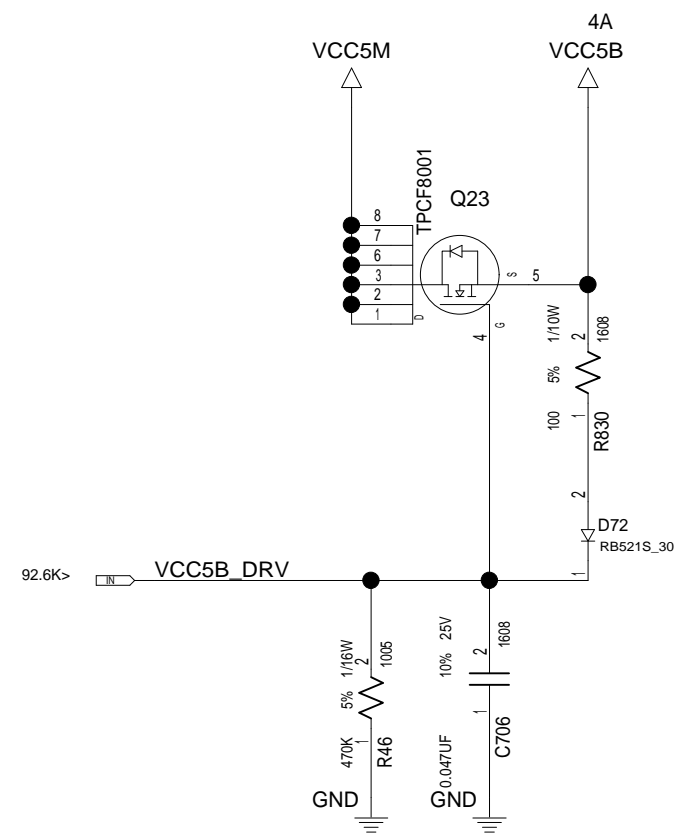
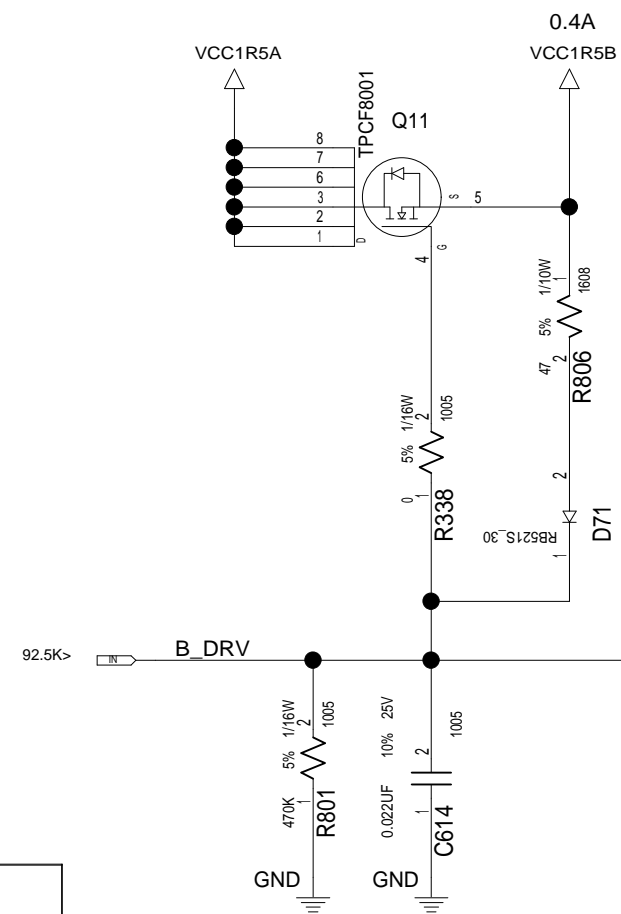
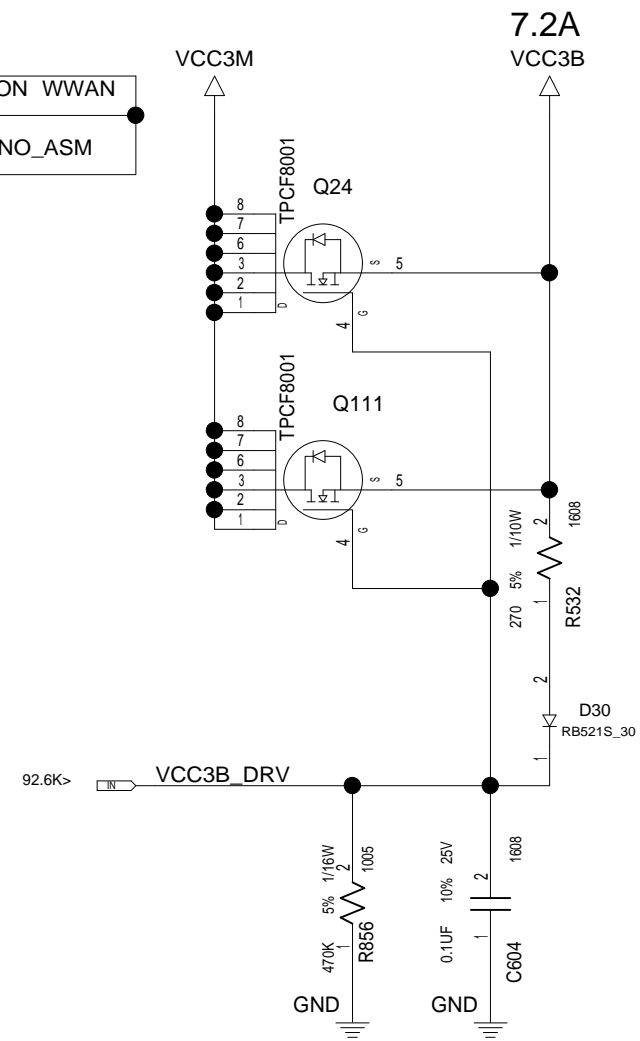
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CHECKED	Y.I	05/30/08	TITLE COR-5 INT SOVP	
APPROVED	H.K	05/30/08		
CLASS	H.K	05/30/08	SMPWRG & CLPWRG	
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VCC1R8AUX		
1.8V	: R1079	: 5.62KOHM
2.5V	: R1079	: 3.48KOHM

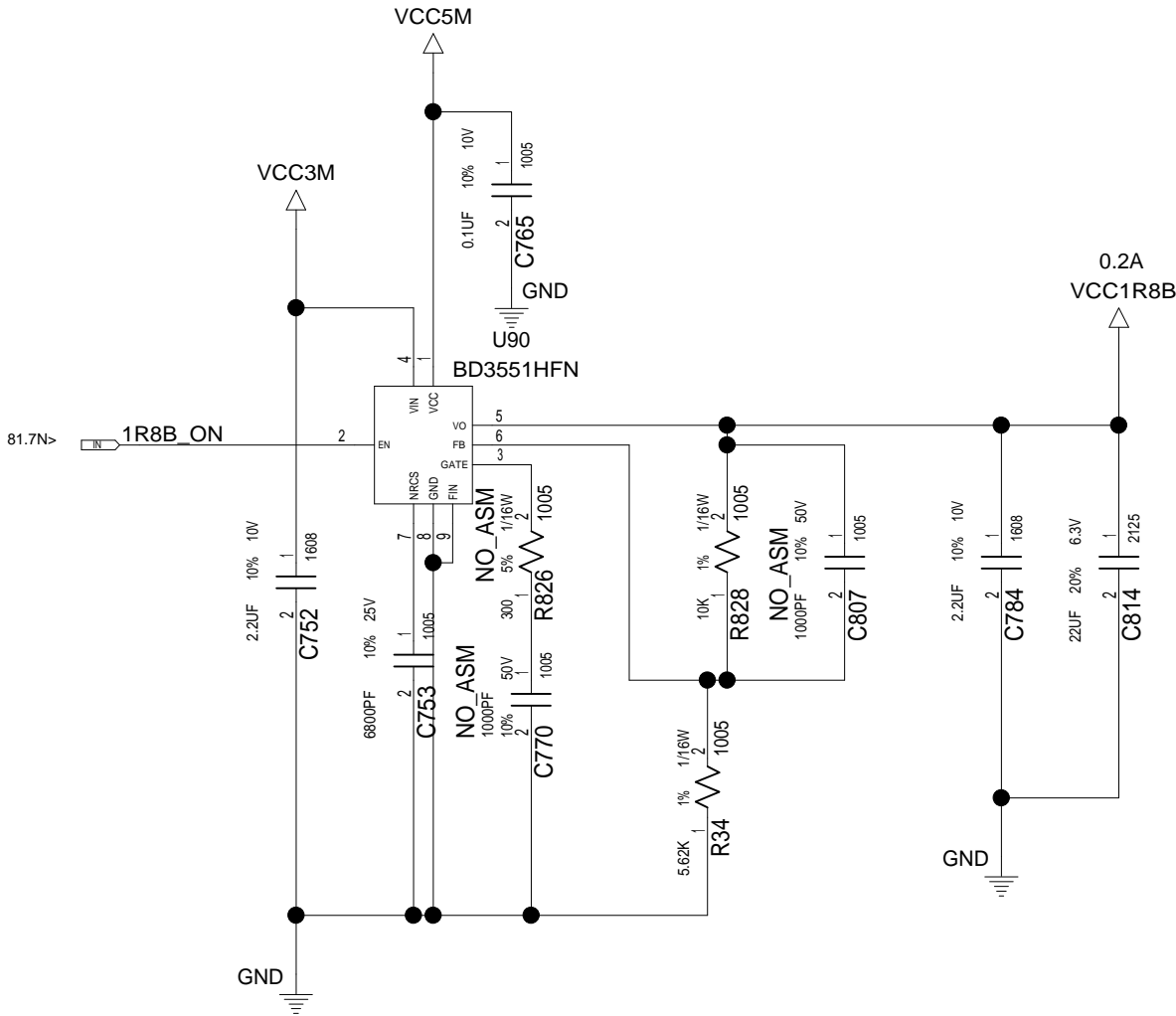
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CHECKED	Y.I	05/30/08	43Y6956	
APPROVED	H.K	05/30/08	TITLE COR-5 INT SOVP	
CLASS	H.K	05/30/08	LOAD SW AUX	
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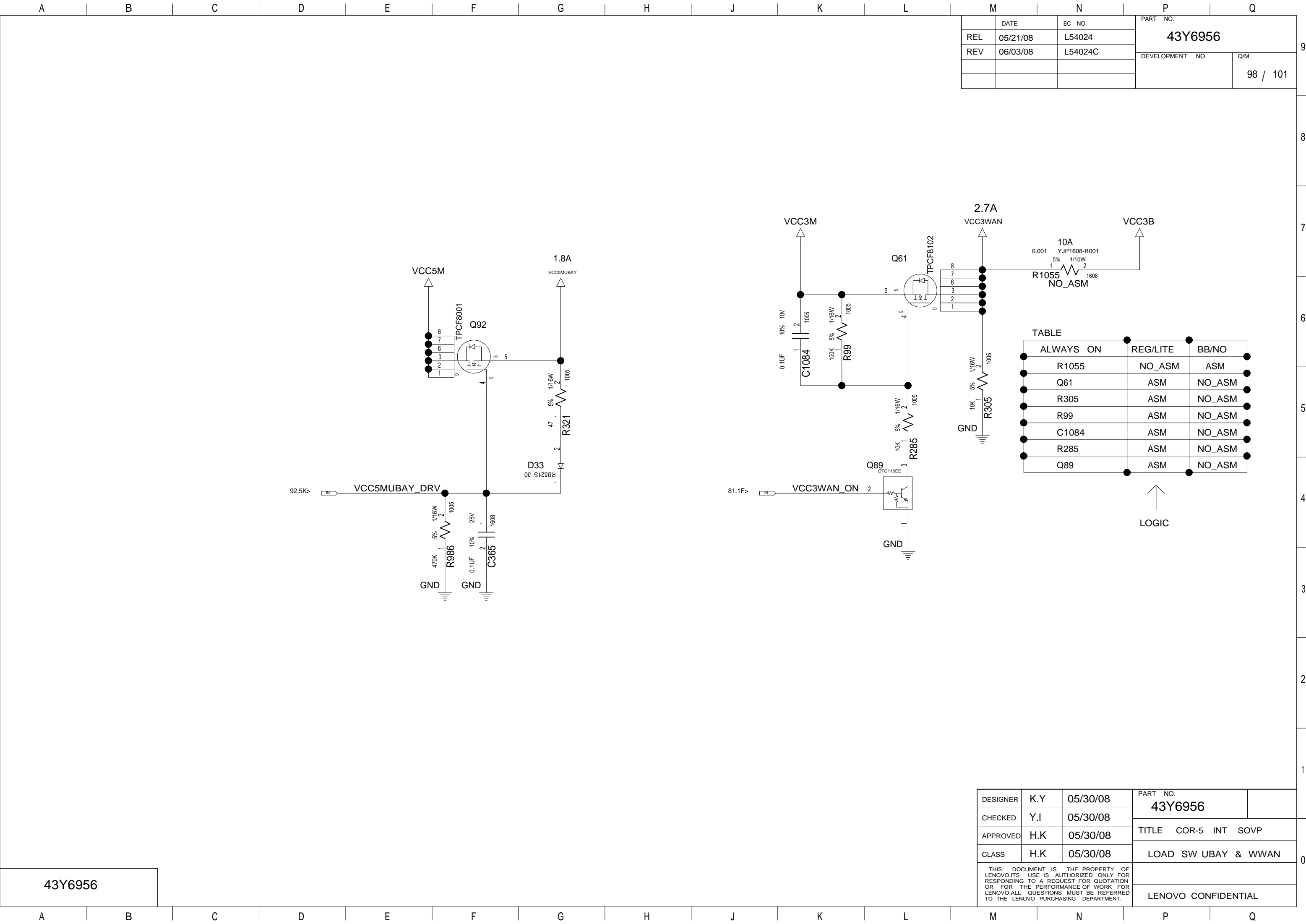


M		N		P		Q	
	DATE	EC NO.		PART NO. <div>43Y6956</div>			
REL	05/21/08	L54024					
REV	06/03/08	L54024C		DEVELOPMENT NO.		Q/M	
						96 / 101	

DESIGNER	K.Y	05/30/08	PART NO. 43Y6956	
CHECKED	Y.I	05/30/08		
APPROVED	H.K	05/30/08	TITLE COR-5 INT SOVP	
CLASS	H.K	05/30/08	LOAD SW B	
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			LENOVO CONFIDENTIAL	

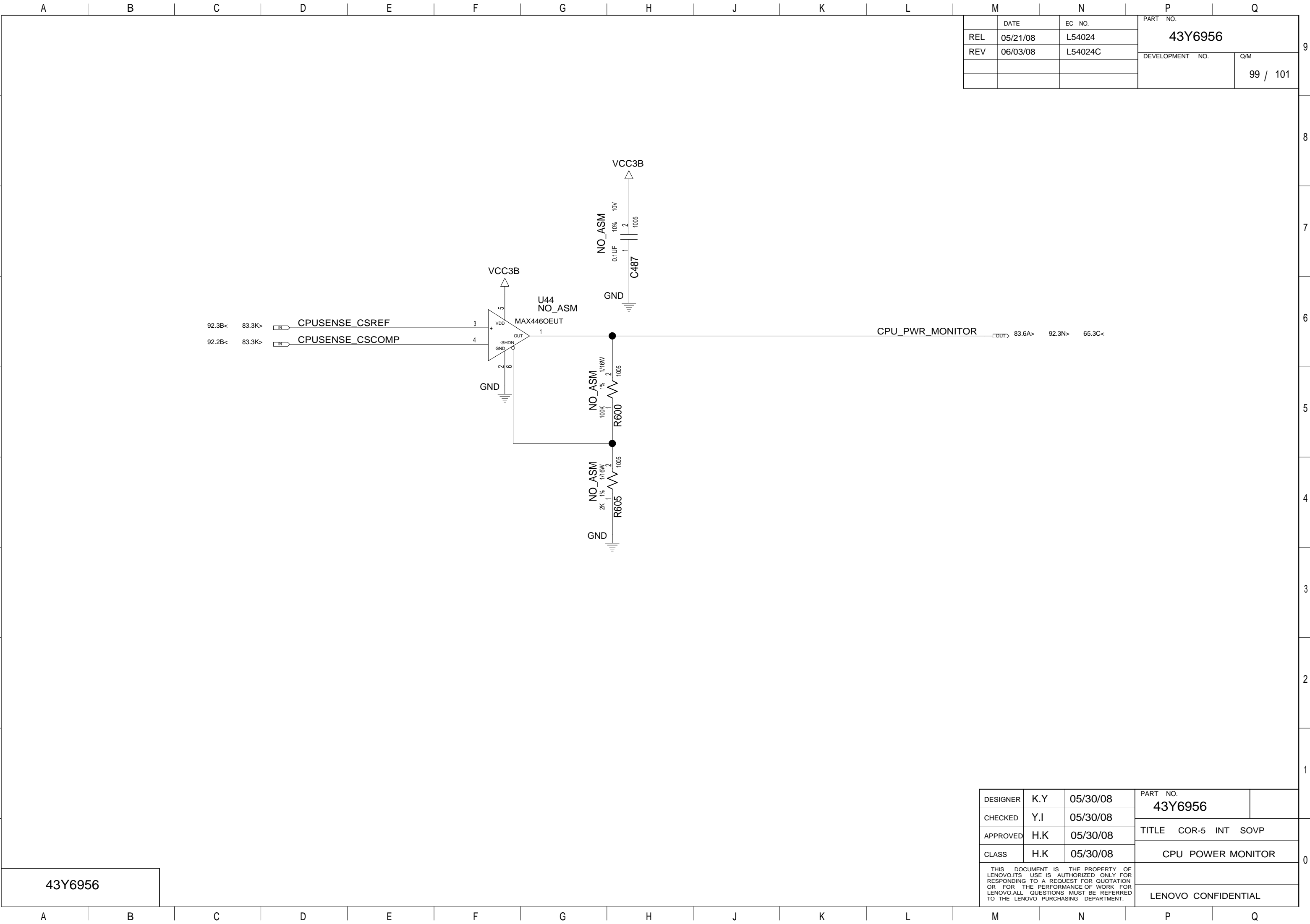
43Y6956

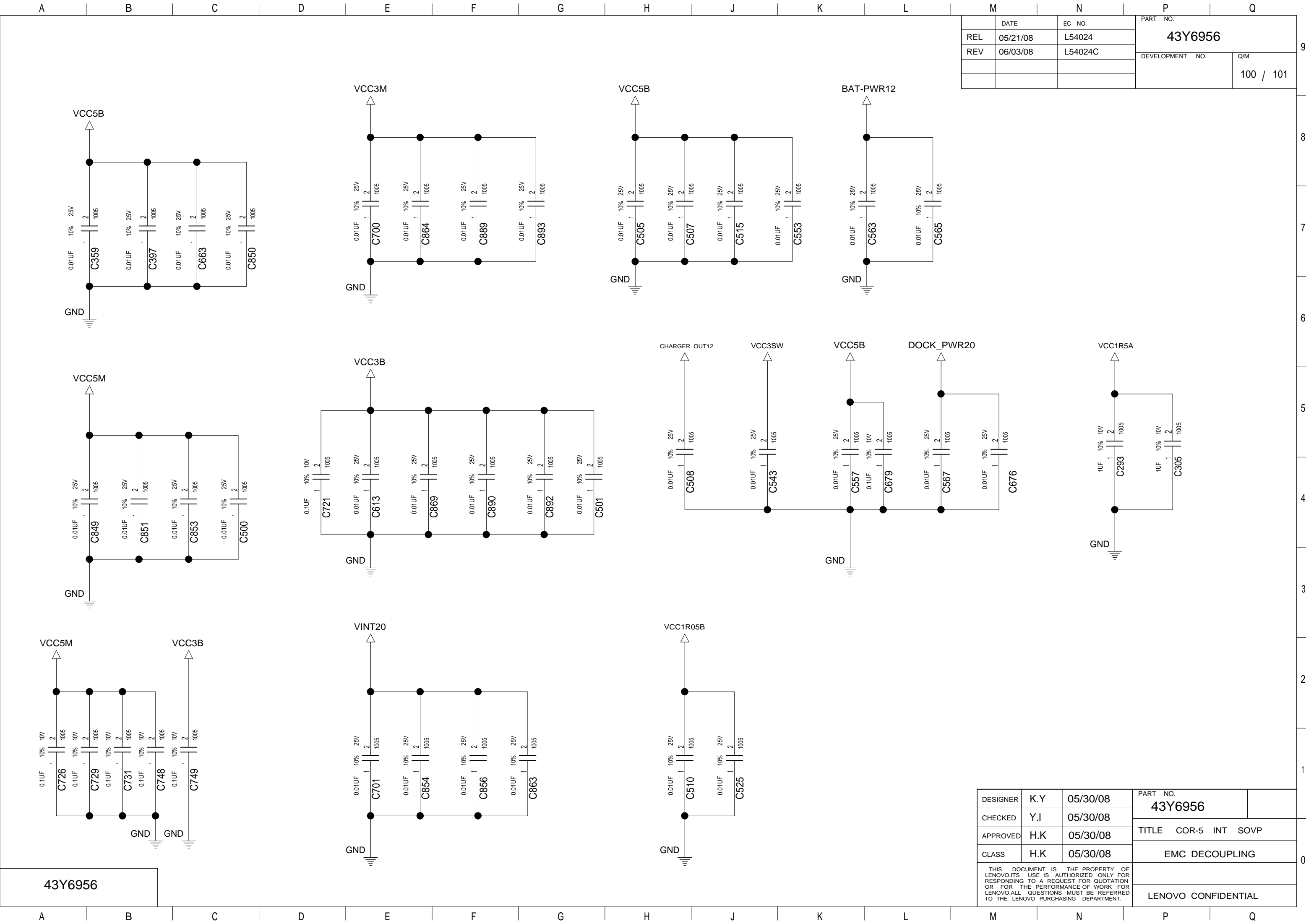




		PART NO.	
		43Y6956	
		DEVELOPMENT NO.	
		Q/M	
		98 / 101	

DESIGNER	K.Y	05/30/08	PART NO.	
CHECKED	Y.I	05/30/08	43Y6956	
APPROVED	H.K	05/30/08	TITLE COR-5 INT SOVP	
CLASS	H.K	05/30/08	LOAD SW UBAY & WWAN	
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	DATE	EC NO.	PART NO. 43Y6956	
REL	05/21/08	L54024		
REV	06/03/08	L54024C	DEVELOPMENT NO. Q/M	
			100 / 101	

DESIGNER	K.Y	05/30/08	PART NO. 43Y6956	
CHECKED	Y.I	05/30/08		
APPROVED	H.K	05/30/08	TITLE COR-5 INT SOVP	
CLASS	H.K	05/30/08	EMC DECOUPLING	
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