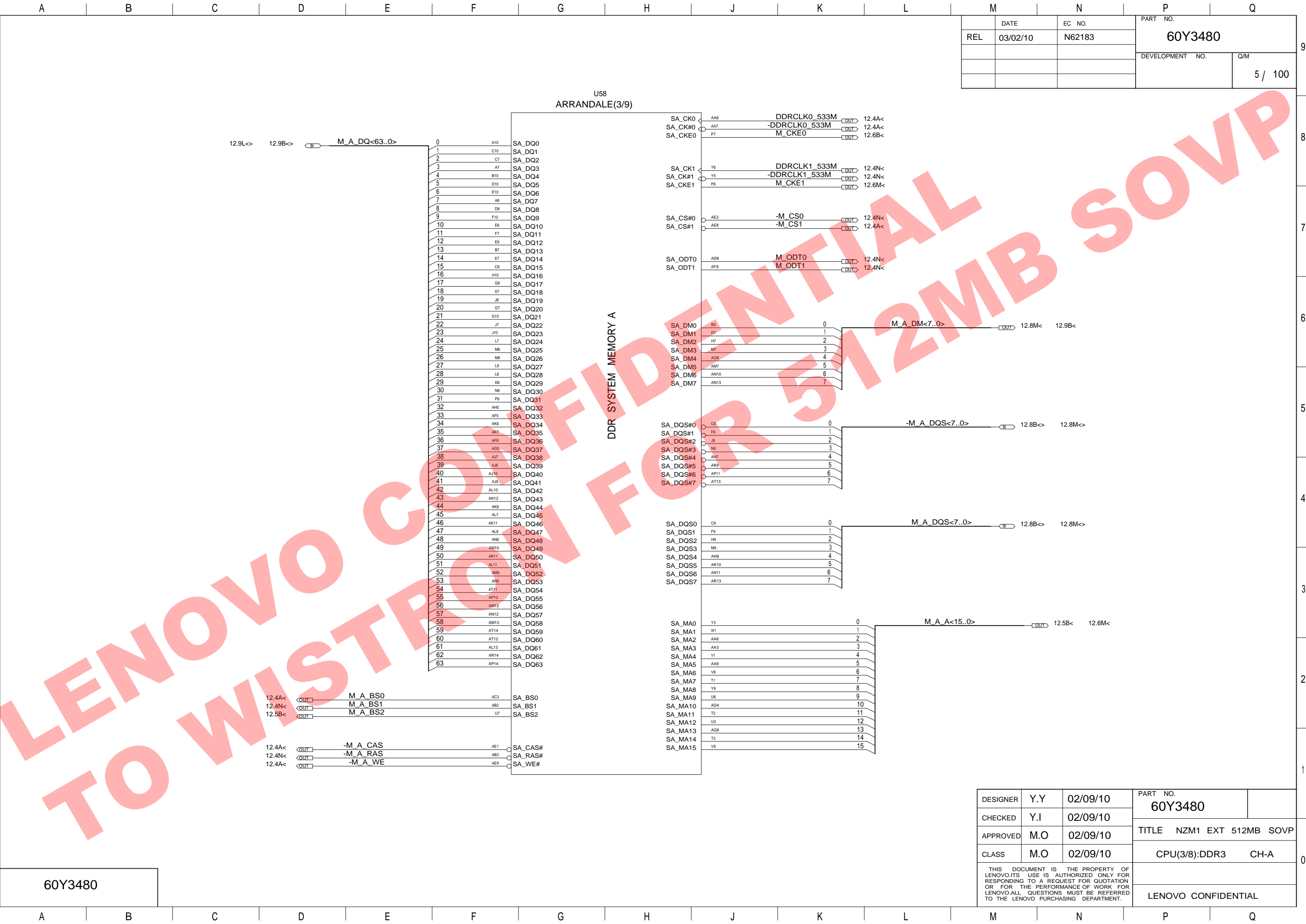


M		N		P		Q	
	DATE	EC NO.		PART NO. 60Y3480			
REL	03/02/10	N62183					
				DEVELOPMENT NO.		Q/M	
						3 / 100	

60Y3480

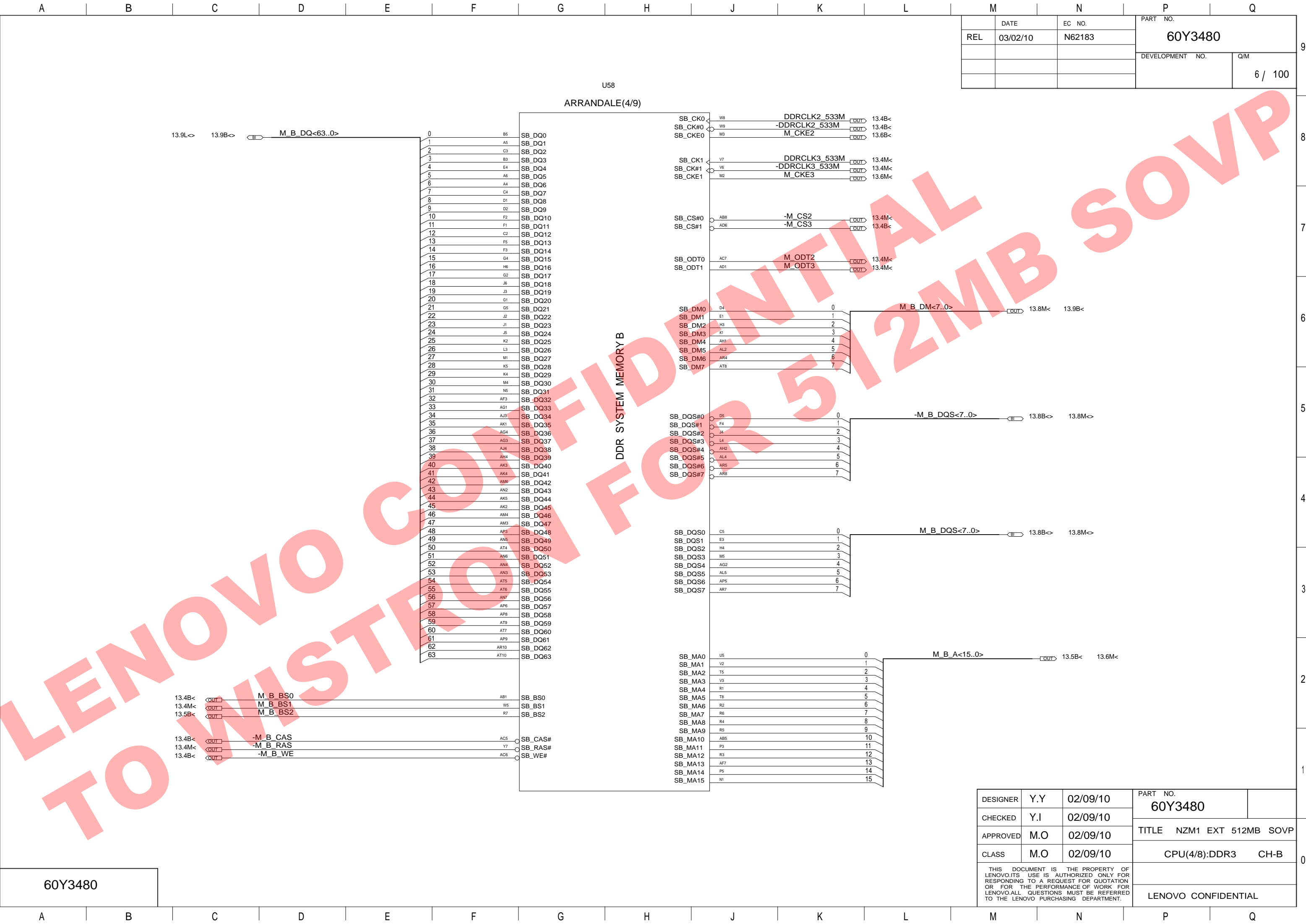
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CHECKED	Y.I	02/09/10	60Y3480		
APPROVED	M.O	02/09/10	TITLE NZM1 EXT 512MB SOVP		
CLASS	M.O	02/09/10	CPU(1/8):DMI/PEG/FDI		
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.					
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M		N		P		Q	
REL		DATE	EC NO.	PART NO.			
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						5 / 100	

60Y3480

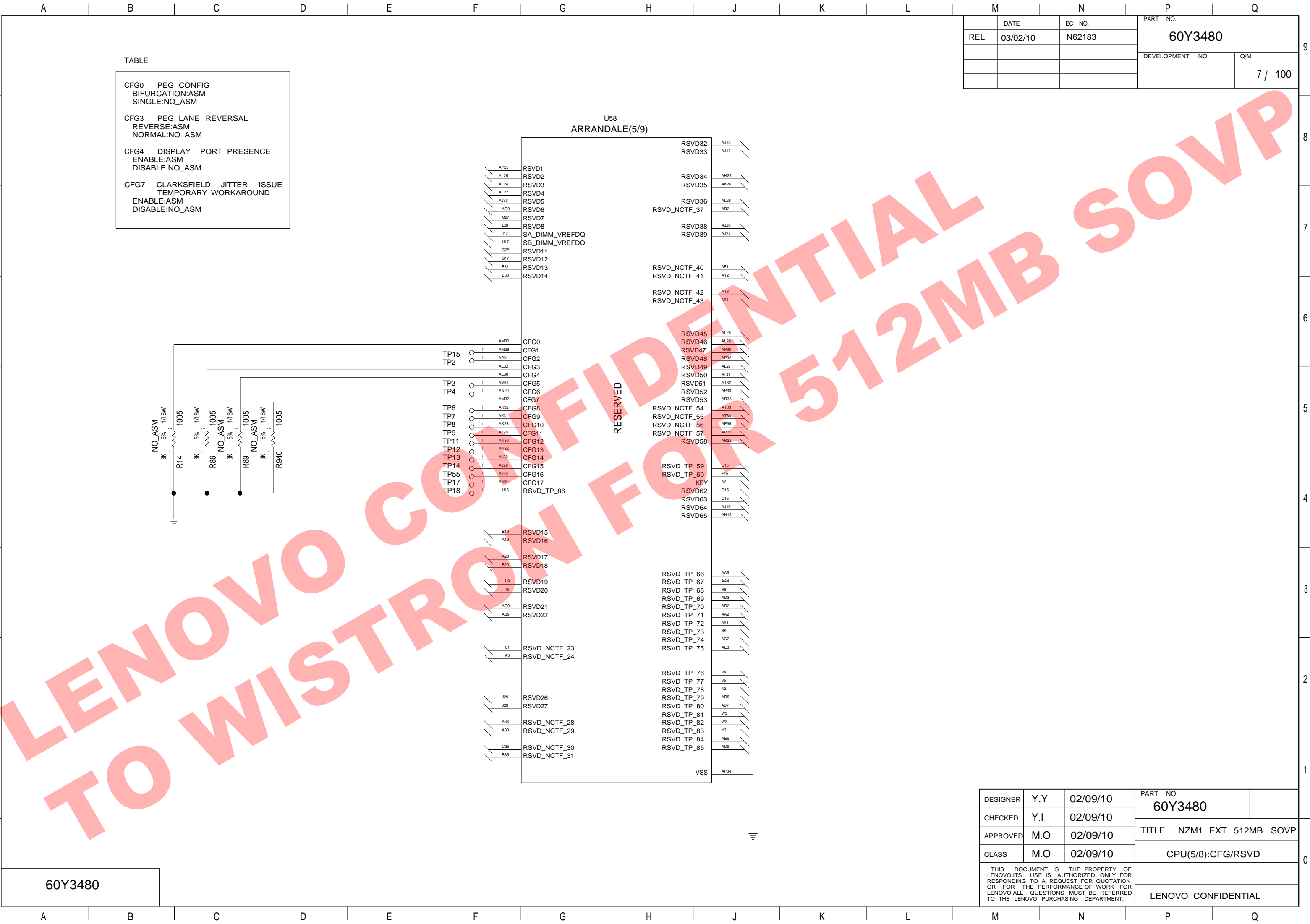
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CHECKED	Y.I	02/09/10	60Y3480		
APPROVED	M.O	02/09/10	TITLE NZM1 EXT 512MB SOVP		
CLASS	M.O	02/09/10	CPU(3/8):DDR3		CH-A
THIS DOCUMENT IS THE PROPERTY OF LENOVO.ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO.ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.					
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REL	03/02/10	N62183		
			DEVELOPMENT NO.	Q/M
				6 / 100

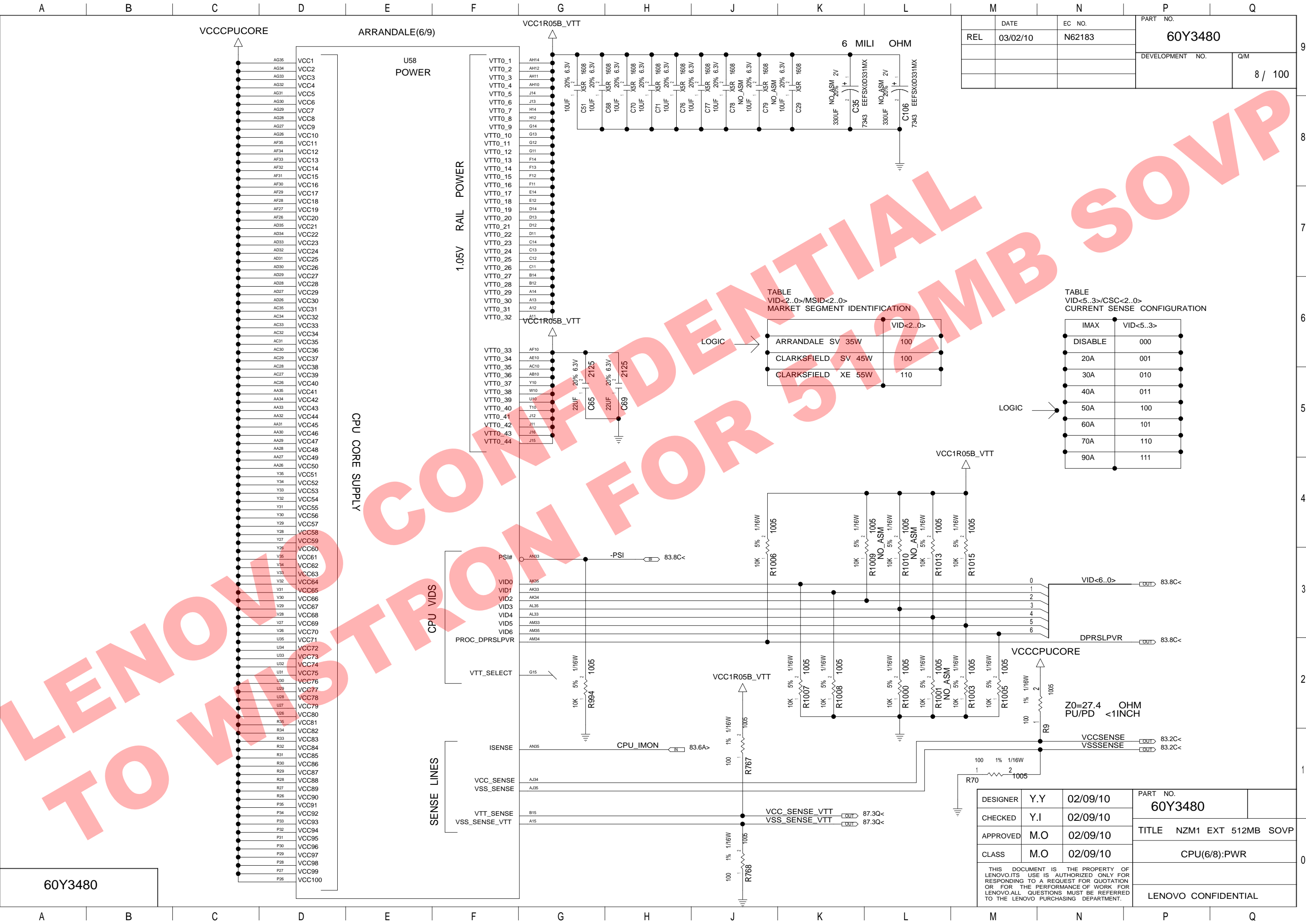
60Y3480

DESIGNER	Y.Y	02/09/10	PART NO. 60Y3480	
CHECKED	Y.I	02/09/10		
APPROVED	M.O	02/09/10	TITLE NZM1 EXT 512MB SOVP	
CLASS	M.O	02/09/10	CPU(4/8):DDR3 CH-B	
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		DATE		EC NO.		PART NO.	
REL		03/02/10		N62183		60Y3480	
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						Q/M	
						7 / 100	

DESIGNER	Y.Y	02/09/10	PART NO.	
CHECKED	Y.I	02/09/10	60Y3480	
APPROVED	M.O	02/09/10	TITLE NZM1 EXT 512MB SOVP	
CLASS	M.O	02/09/10	CPU(5/8):CFG/RSVD	
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REL		03/02/10	N62183	
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			DEVELOPMENT NO.	Q/M
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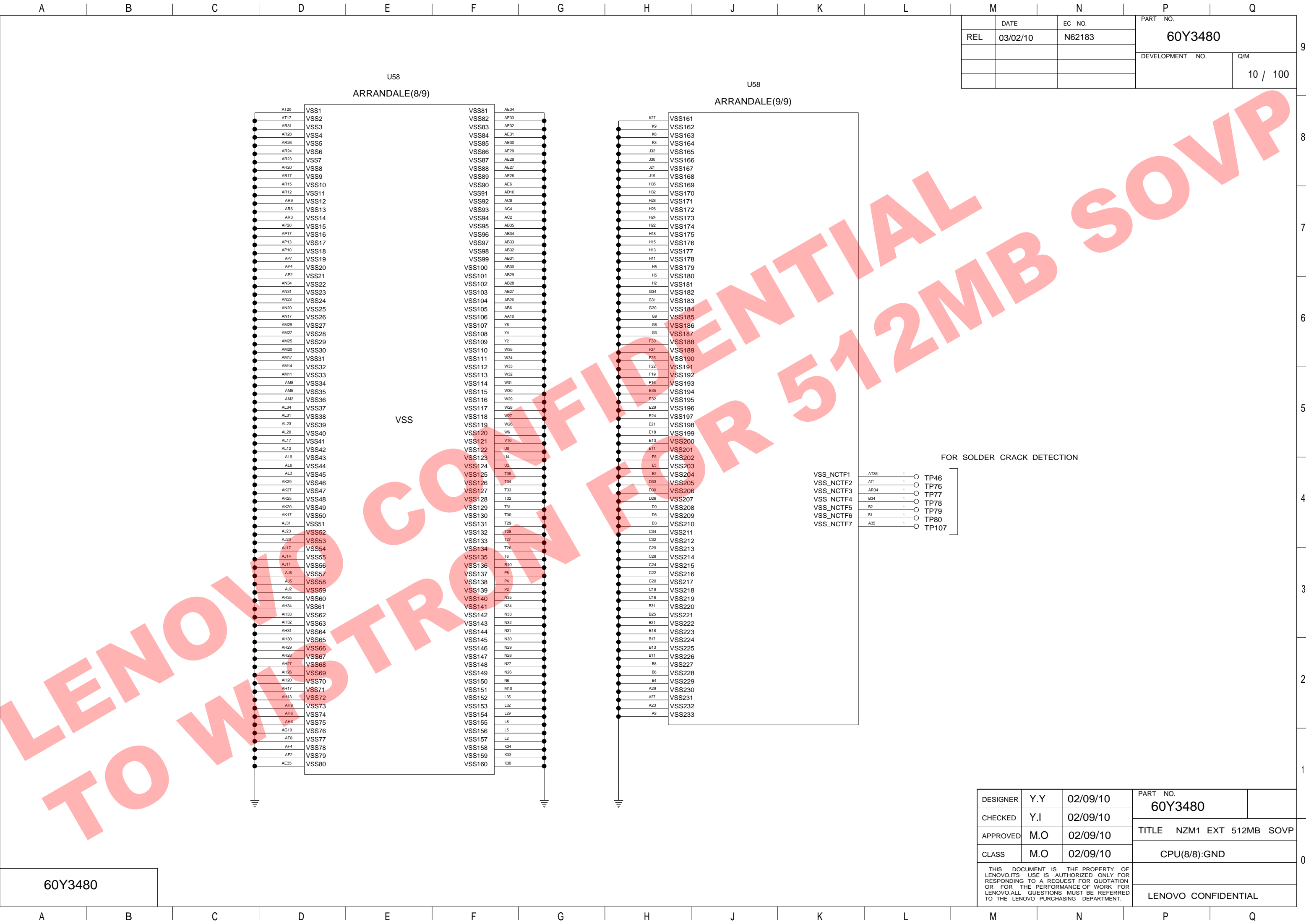
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CLARKSFIELD SV 45W	100
CLARKSFIELD XE 55W	110

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VID<5..3>/CSC<2..0>
CURRENT SENSE CONFIGURATION

IMAX	VID<5..3>
DISABLE	000
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30A	010
40A	011
50A	100
60A	101
70A	110
90A	111

DESIGNER	Y.Y	02/09/10	PART NO.	
CHECKED	Y.I	02/09/10	60Y3480	
APPROVED	M.O	02/09/10	TITLE NZM1 EXT 512MB SOVP	
CLASS	M.O	02/09/10	CPU(6/8):PWR	
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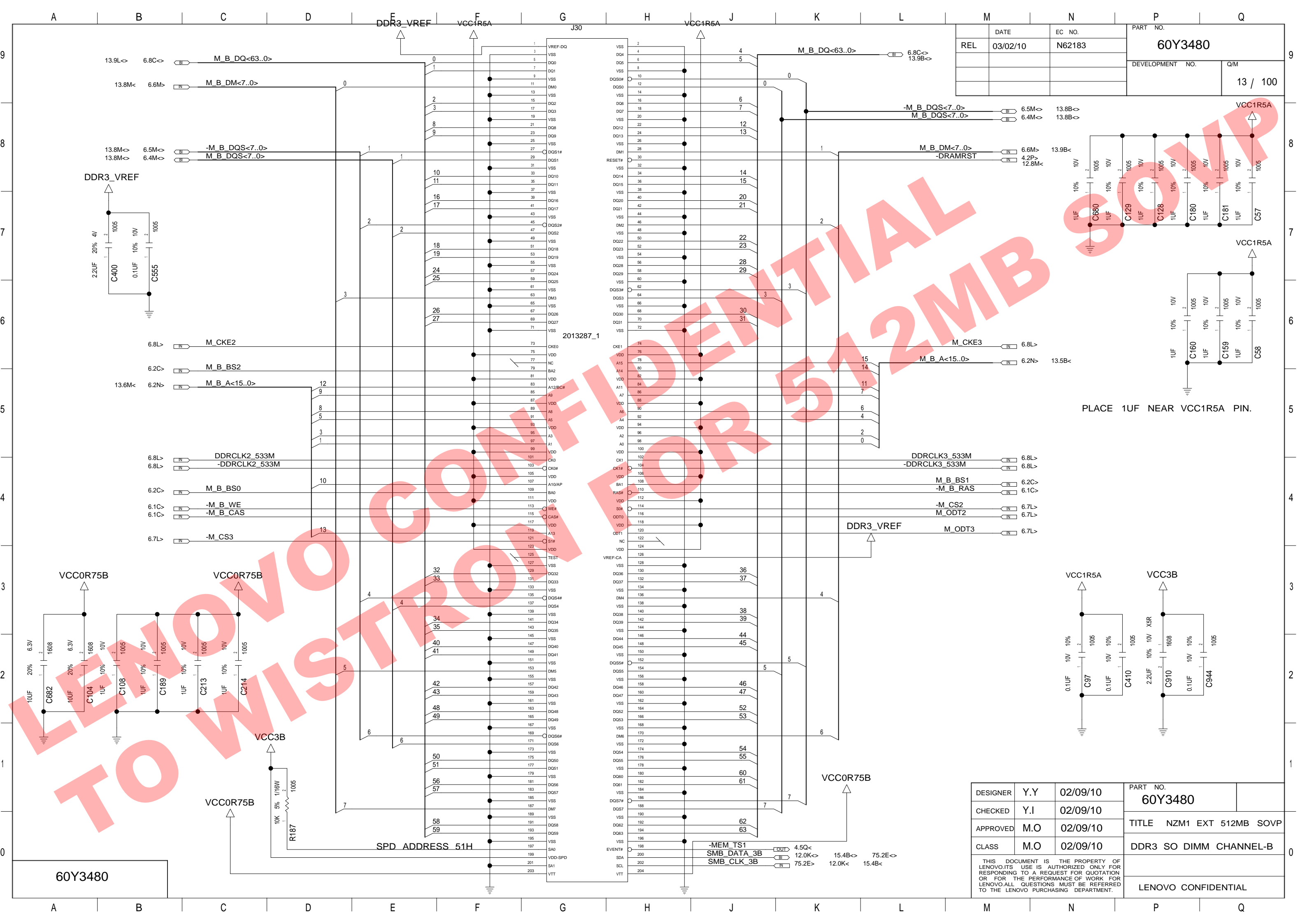


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REL		03/02/10		N62183		60Y3480	
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						Q/M	
						10 / 100	

FOR SOLDER CRACK DETECTION

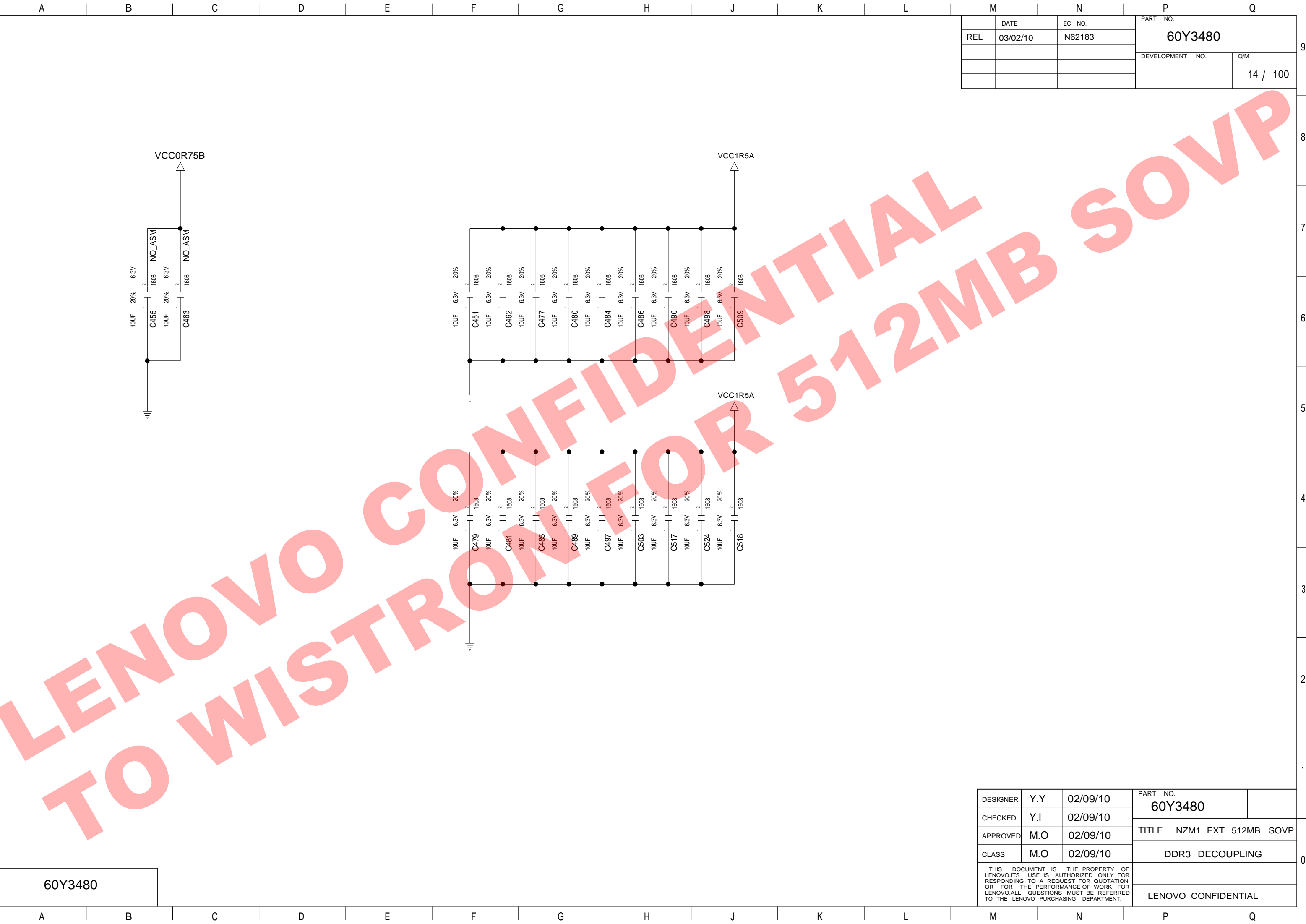
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VSS_NCTF5	B2	1	TP79
VSS_NCTF6	B1	1	TP80
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DESIGNER	Y.Y	02/09/10	PART NO.	
CHECKED	Y.I	02/09/10	60Y3480	
APPROVED	M.O	02/09/10	TITLE NZM1 EXT 512MB SOVP	
CLASS	M.O	02/09/10	CPU(8/8):GND	
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DATE		EC NO.	PART NO.	
REL		03/02/10	N62183	
			60Y3480	
			DEVELOPMENT NO.	Q/M
				13 / 100

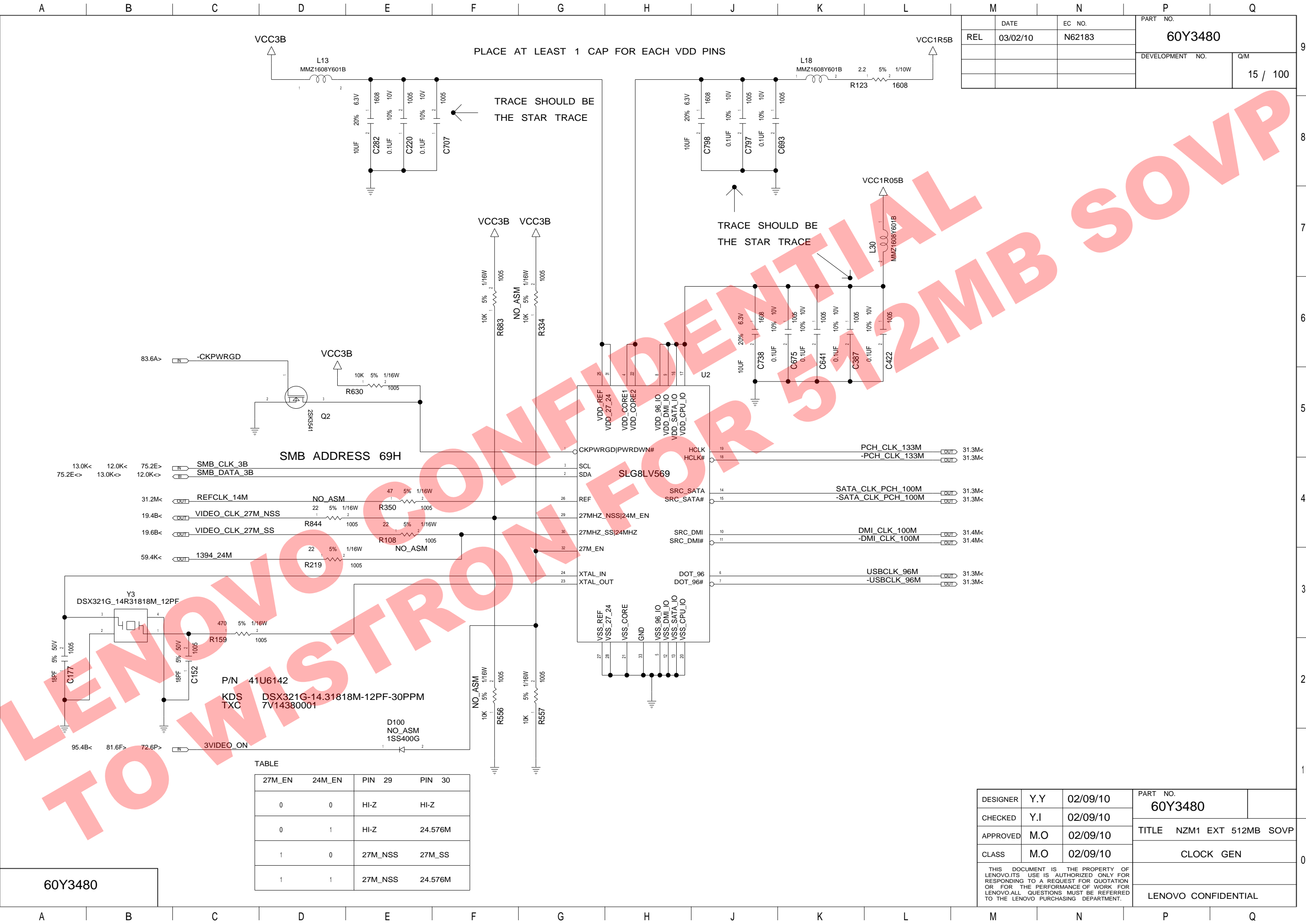
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CHECKED	Y.I	02/09/10	60Y3480	
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CLASS	M.O	02/09/10	DDR3 SO DIMM CHANNEL-B	
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	DATE	EC NO.	PART NO. 60Y3480	
REL	03/02/10	N62183		
			DEVELOPMENT NO.	Q/M
				14 / 100

60Y3480

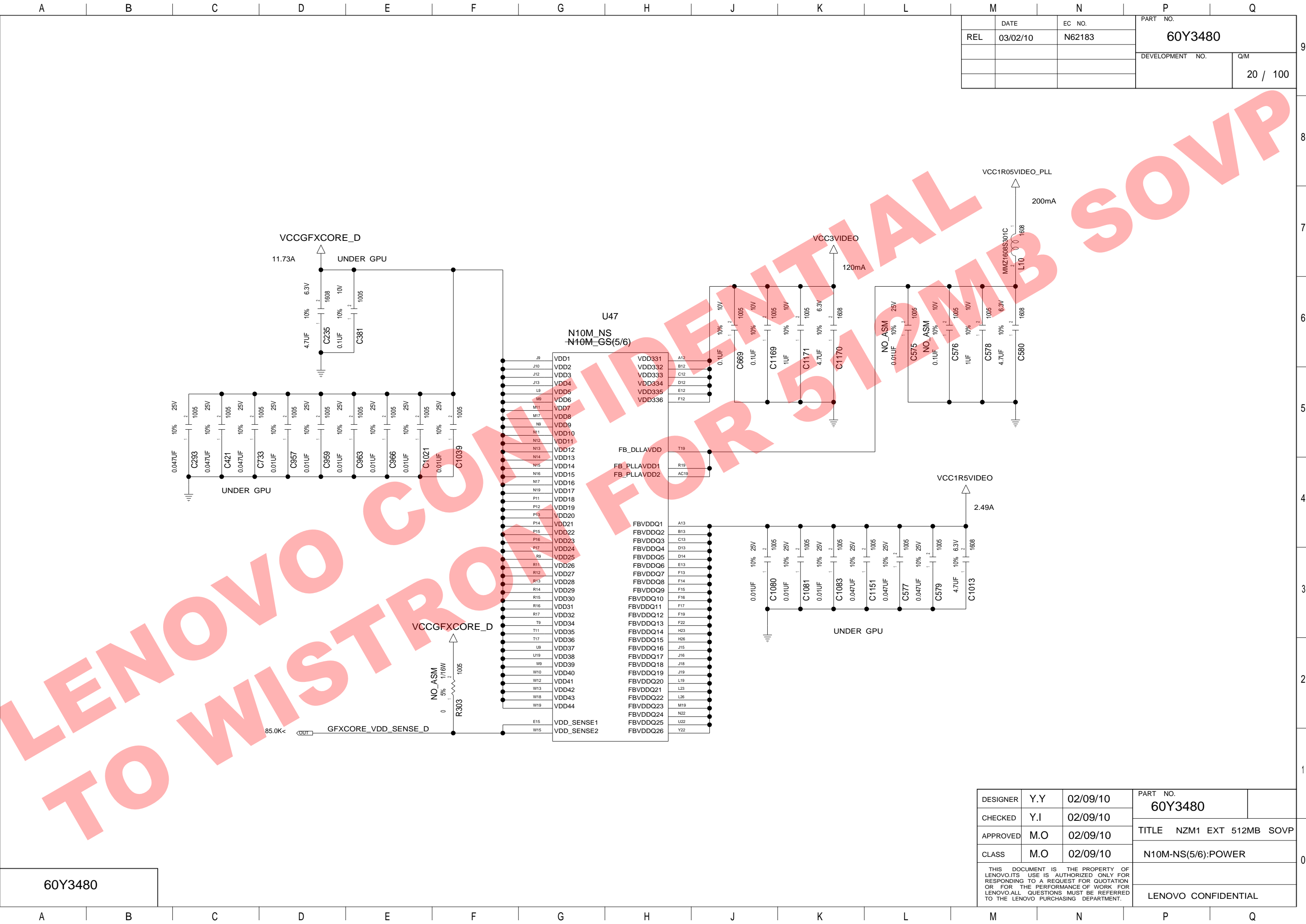
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CLASS	M.O	02/09/10	DDR3 DECOUPLING		
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DATE		EC NO.	PART NO.	
REL		03/02/10	N62183	
			60Y3480	
			DEVELOPMENT NO.	Q/M
				15 / 100

TABLE				
27M_EN	24M_EN	PIN 29	PIN 30	
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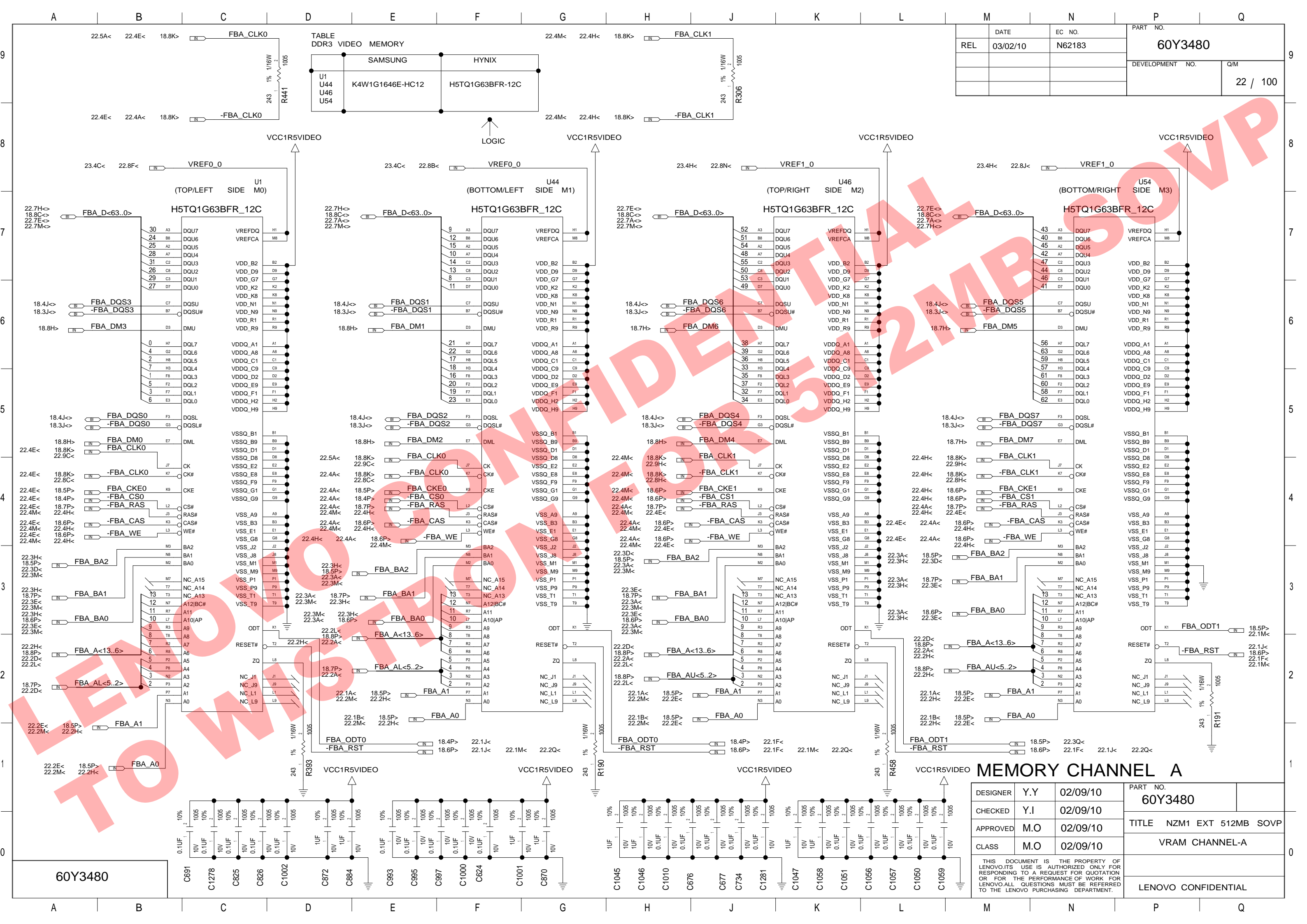
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CLASS	M.O	02/09/10	CLOCK GEN	
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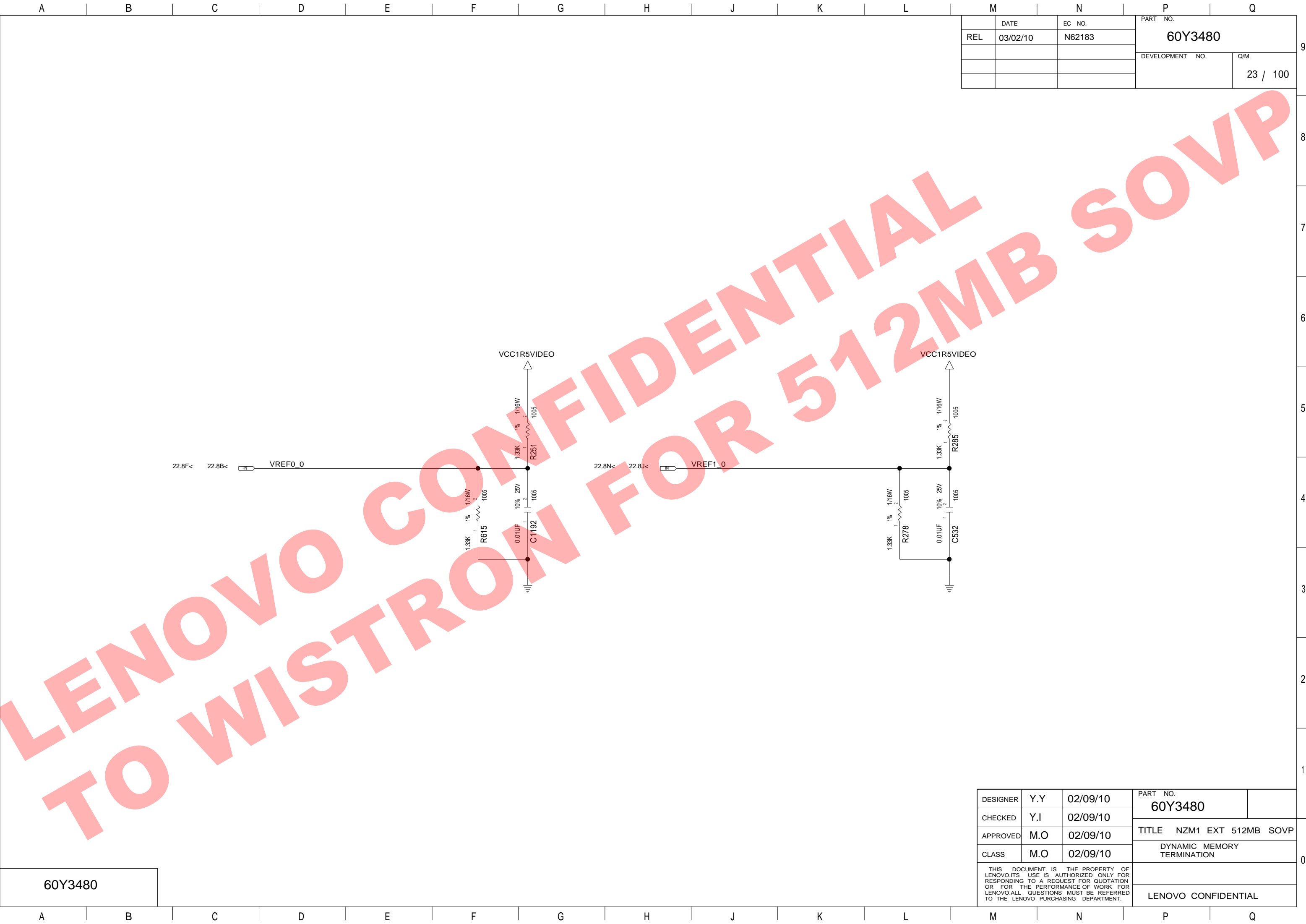


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REL	03/02/10	N62183		
			DEVELOPMENT NO.	Q/M
				20 / 100

60Y3480

DESIGNER	Y.Y	02/09/10	PART NO.	
CHECKED	Y.I	02/09/10	60Y3480	
APPROVED	M.O	02/09/10	TITLE NZM1 EXT 512MB SOVP	
CLASS	M.O	02/09/10	N10M-NS(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.				
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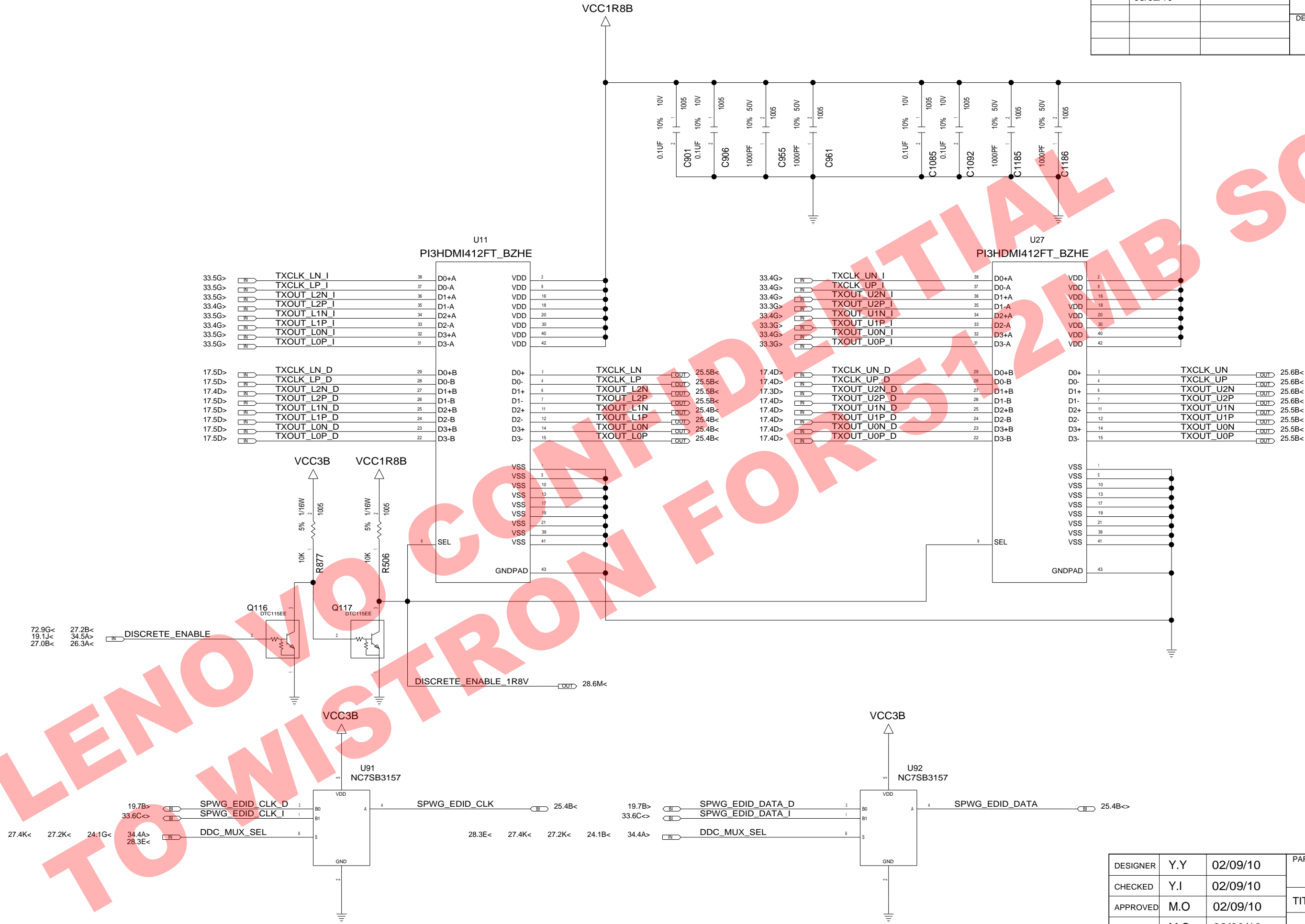


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REL	03/02/10	N62183					
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60Y3480

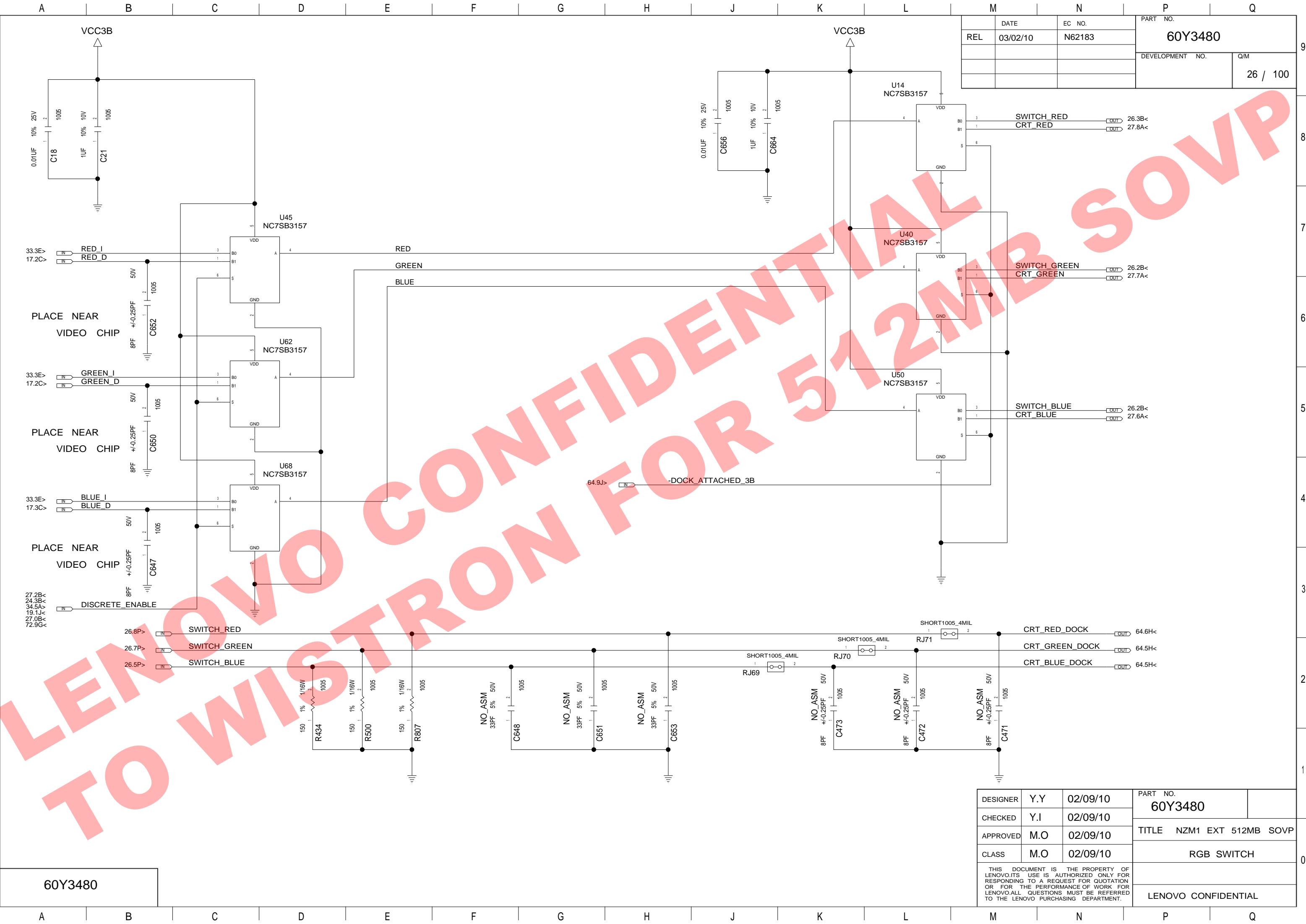
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APPROVED	M.O	02/09/10	TITLE NZM1 EXT 512MB SOVP		
CLASS	M.O	02/09/10	DYNAMIC MEMORY TERMINATION		
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	DATE	EC NO.	PART NO.	
REL	03/02/10	N62183	60Y3480	
			DEVELOPMENT NO.	Q/M
				24 / 100



DESIGNER	Y.Y	02/09/10	PART NO.	
CHECKED	Y.I	02/09/10	60Y3480	
APPROVED	M.O	02/09/10	TITLE NZM1 EXT 512MB SOVP	
CLASS	M.O	02/09/10	LVDS 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	

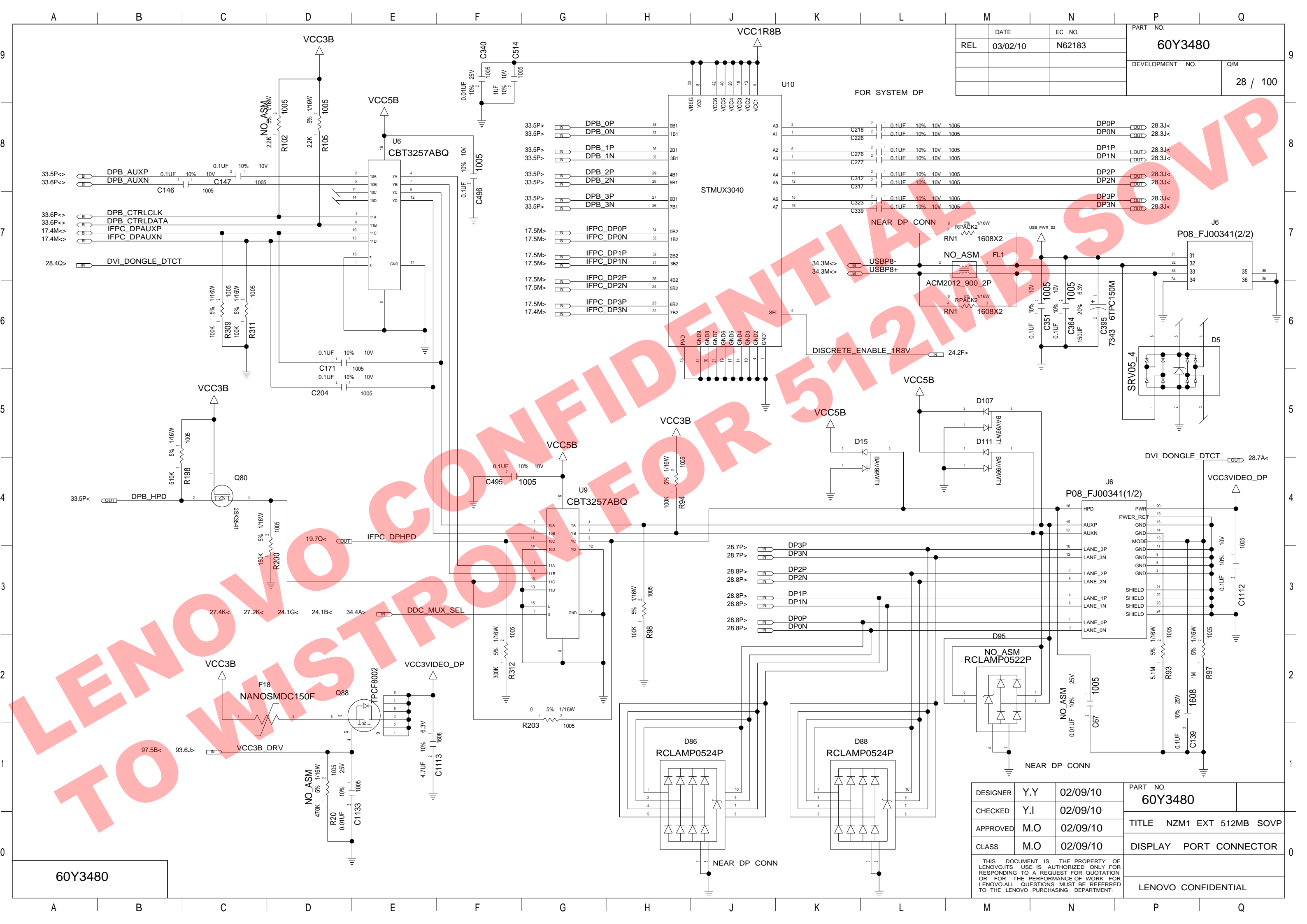
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REL		03/02/10	N62183	
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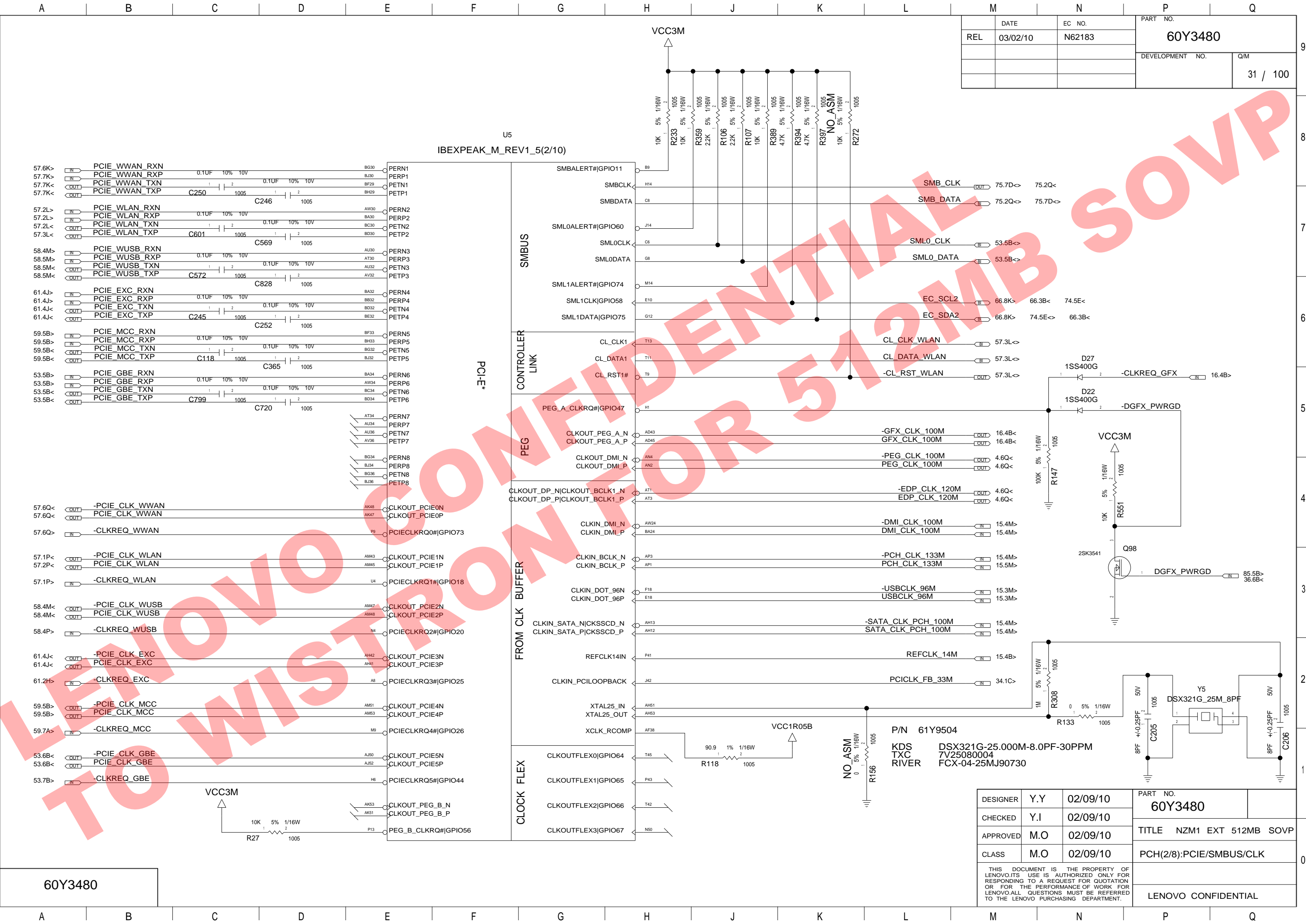
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DESIGNER	Y.Y	02/09/10	PART NO.	
CHECKED	Y.I	02/09/10	60Y3480	
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CLASS	M.O	02/09/10	RGB SWITCH	
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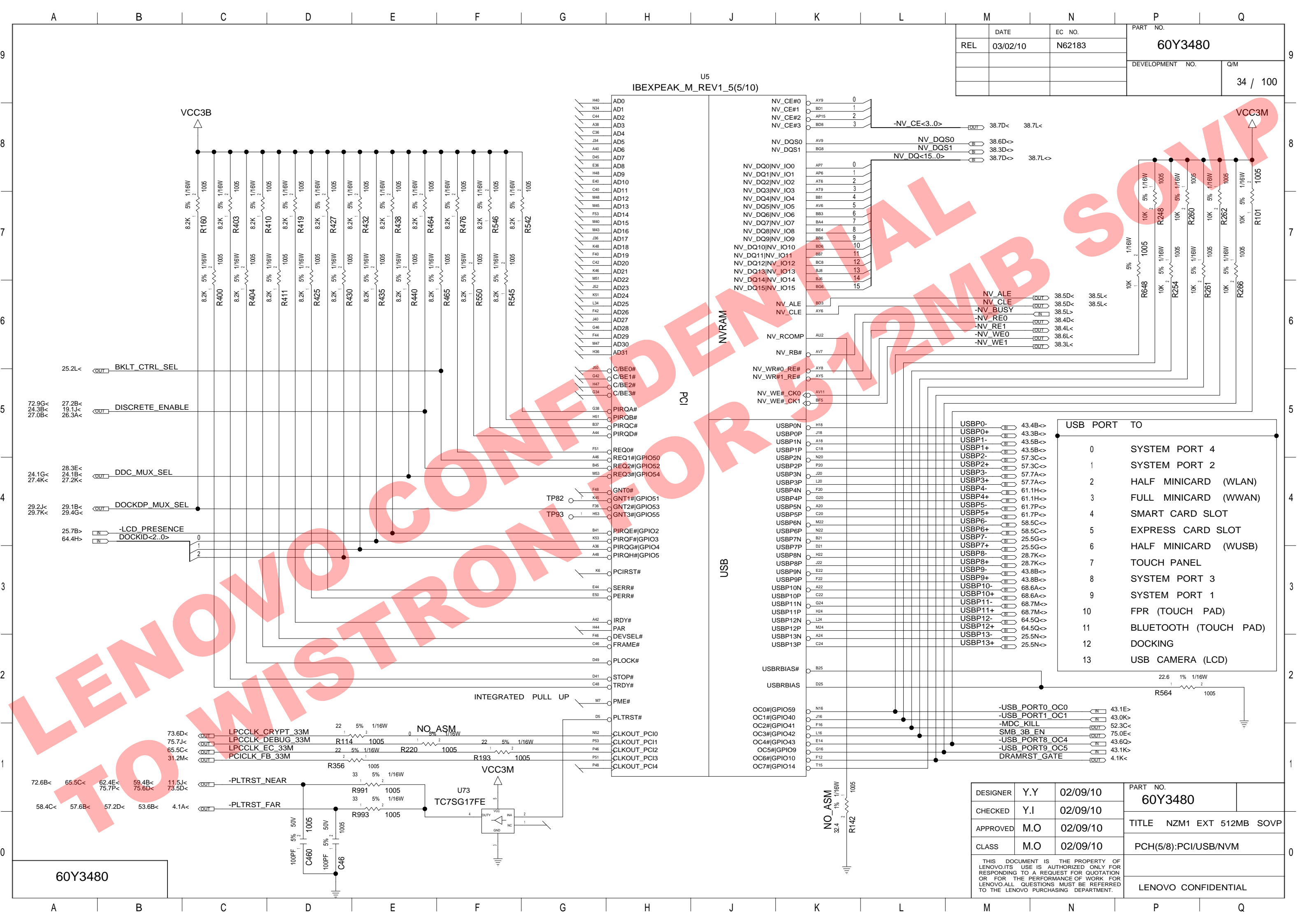
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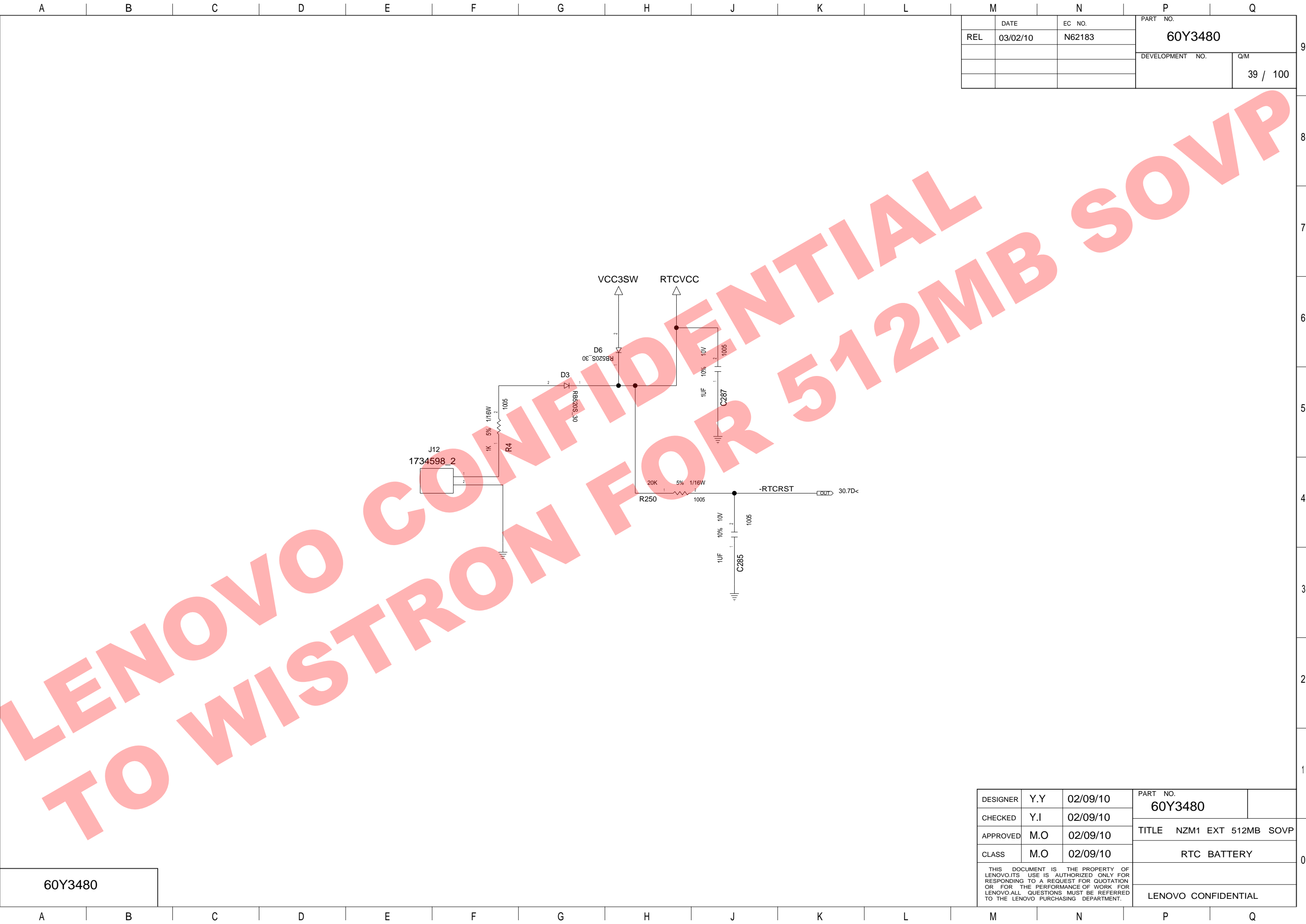
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APPROVED	M.O	02/09/10	TITLE NZM1 EXT 512MB SOVP	
CLASS	M.O	02/09/10	DISPLAY PORT CONNECTOR	
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DATE		EC NO.	PART NO.	
REL		03/02/10	N62183	
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DESIGNER	Y.Y	02/09/10	PART NO.	
CHECKED	Y.I	02/09/10	60Y3480	
APPROVED	M.O	02/09/10	TITLE NZM1 EXT 512MB SOVP	
CLASS	M.O	02/09/10	PCH(2/8):PCIE/SMBUS/CLK	
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	

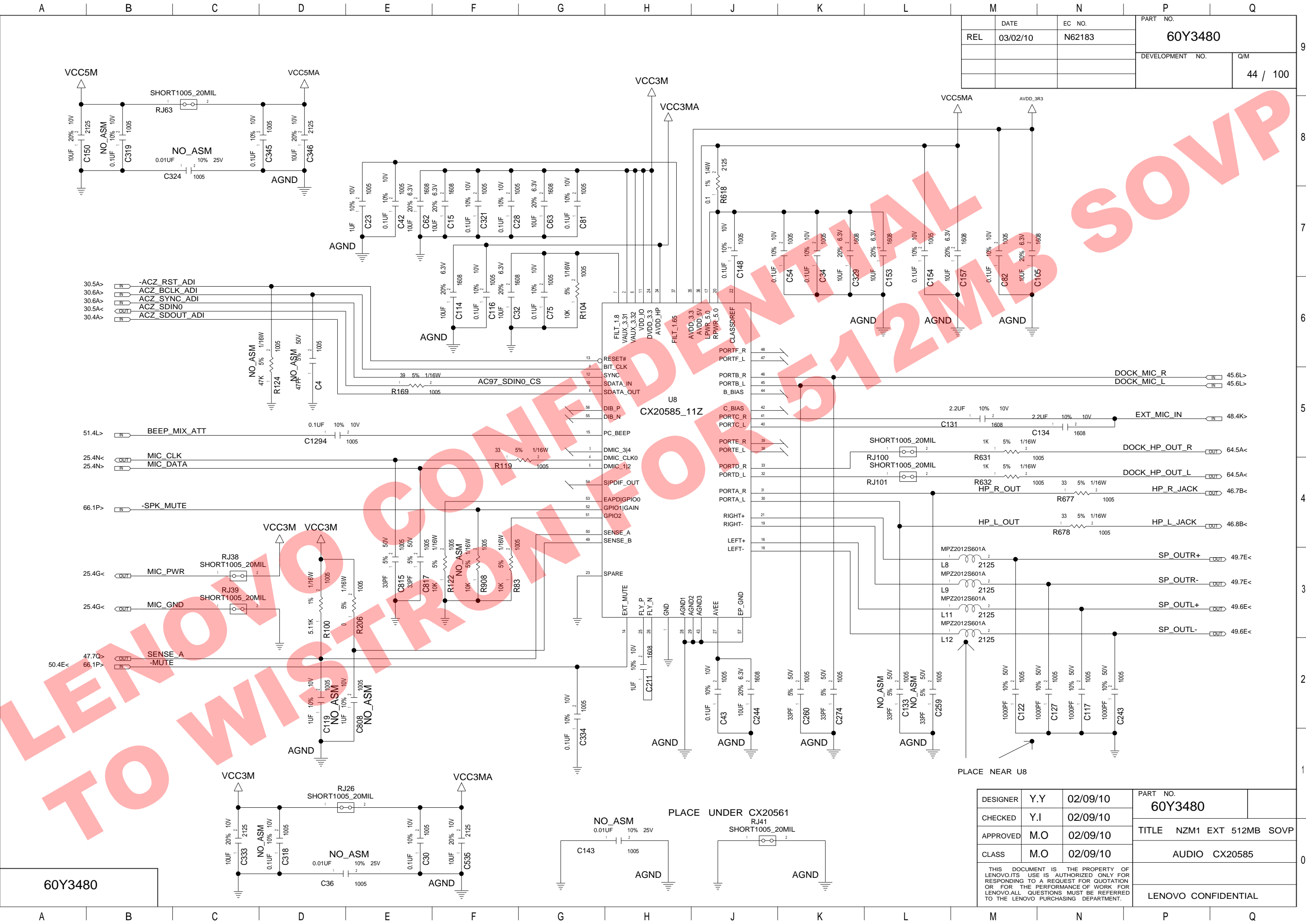




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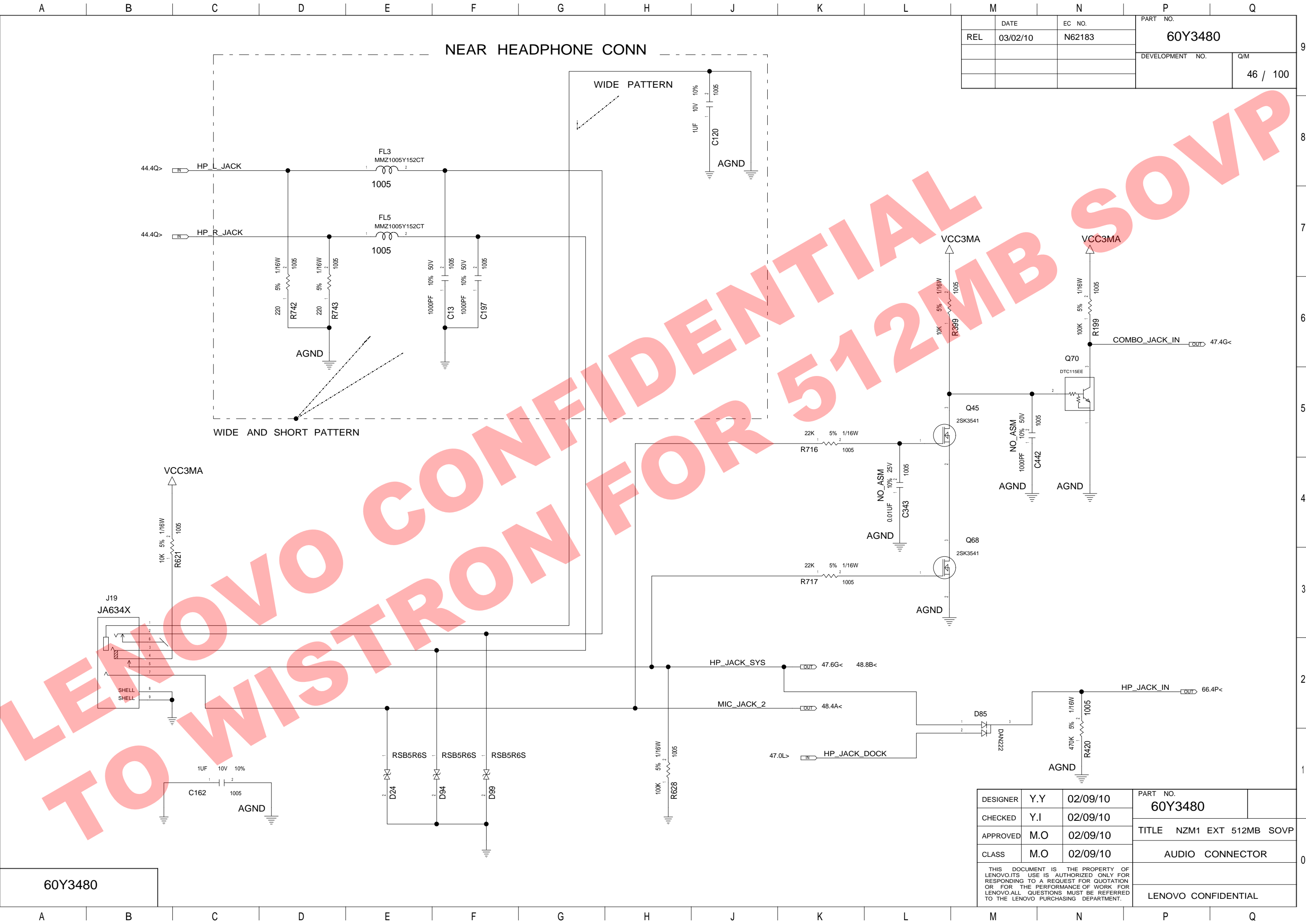
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DESIGNER	Y.Y	02/09/10	PART NO.		
CHECKED	Y.I	02/09/10	60Y3480		
APPROVED	M.O	02/09/10	TITLE NZM1 EXT 512MB SOVP		
CLASS	M.O	02/09/10	RTC BATTERY		
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DATE		EC NO.	PART NO.	
REL		03/02/10	N62183	
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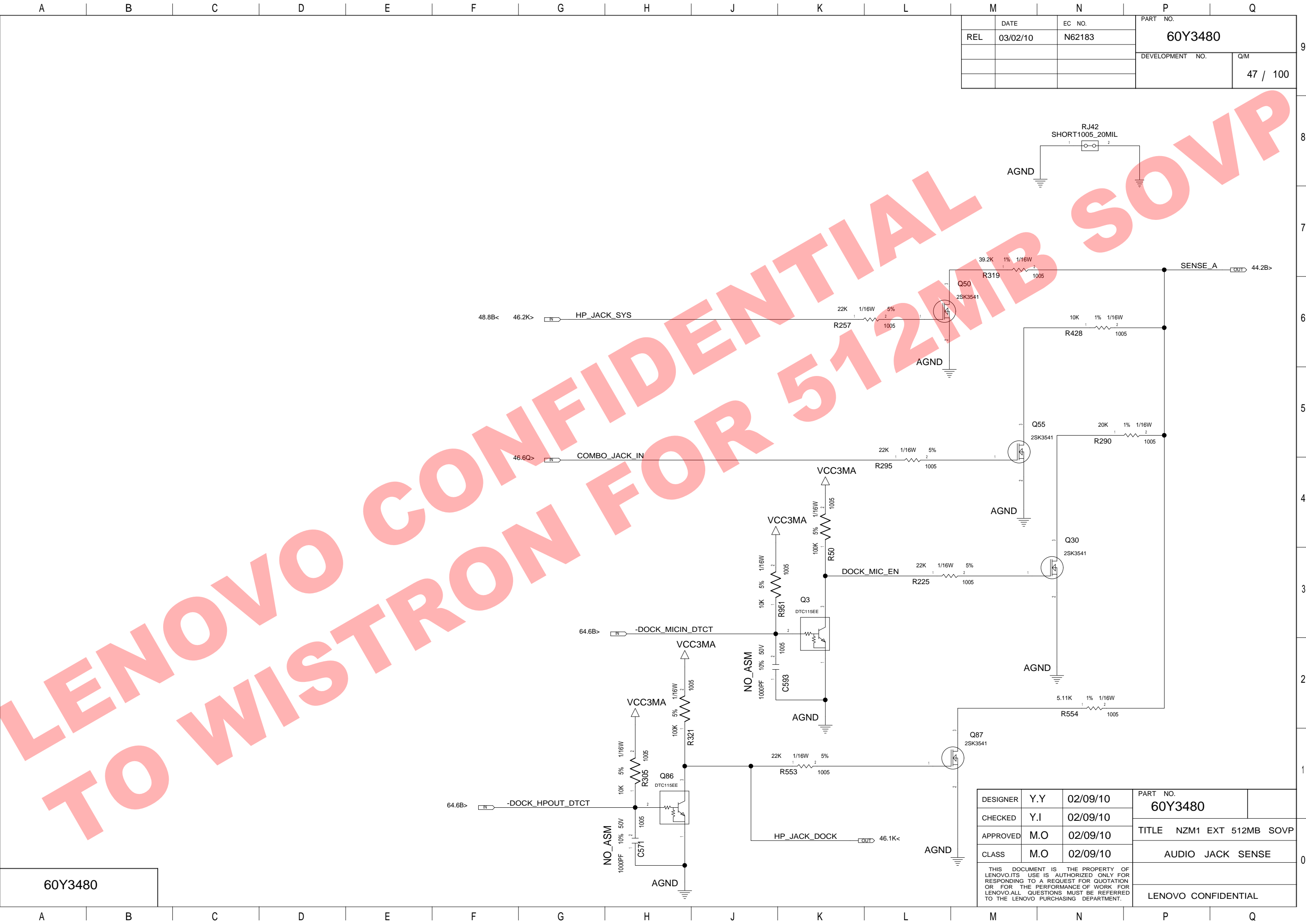
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CLASS	M.O	02/09/10	AUDIO CX20585	
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DATE		EC NO.	PART NO.	
REL		03/02/10	N62183	
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60Y3480

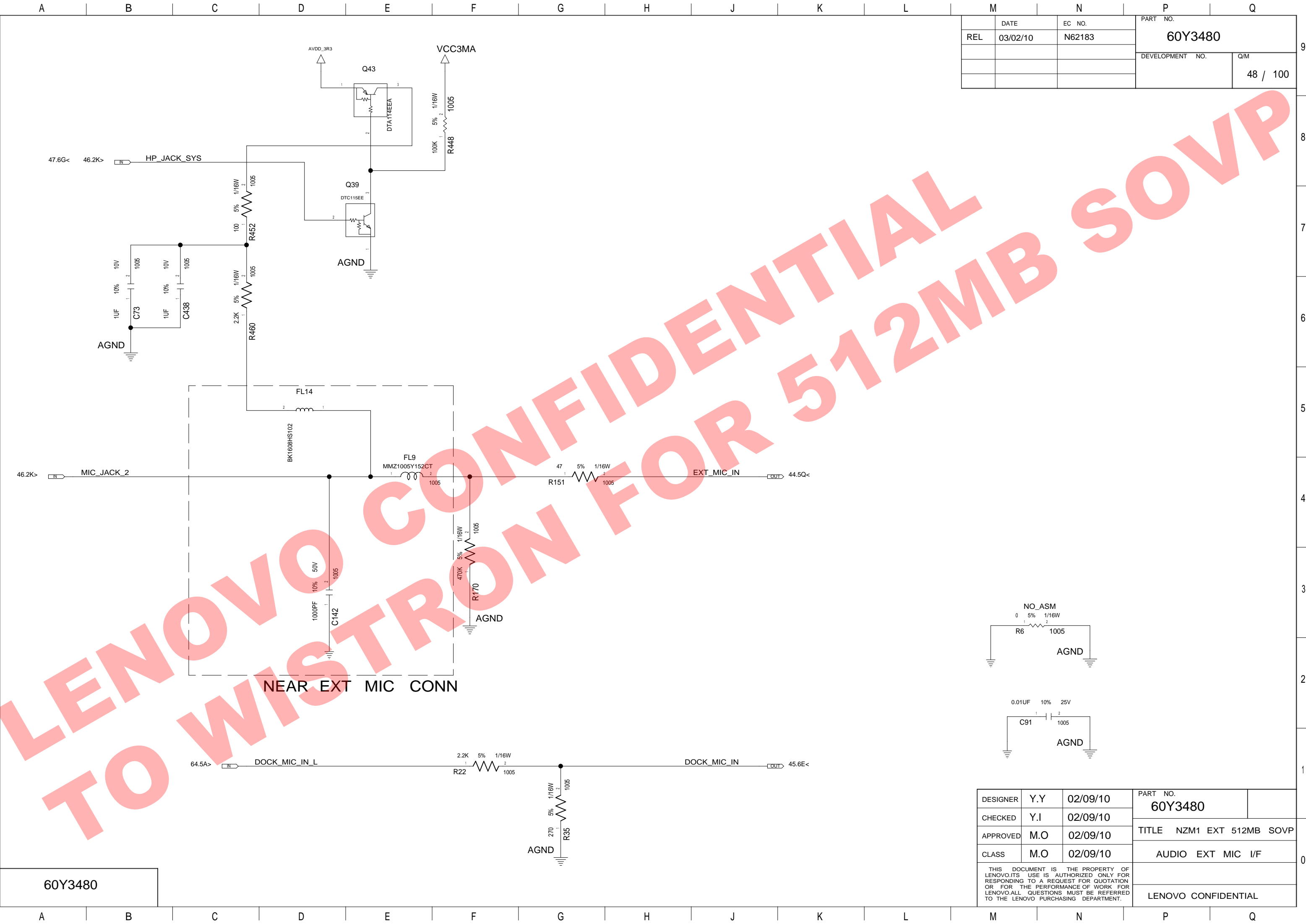
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CLASS	M.O	02/09/10	AUDIO CONNECTOR	
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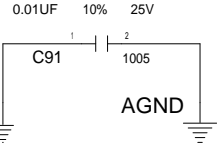
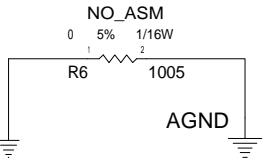
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60Y3480

DESIGNER	Y.Y	02/09/10	PART NO.	
CHECKED	Y.I	02/09/10	60Y3480	
APPROVED	M.O	02/09/10	TITLE NZM1 EXT 512MB SOVP	
CLASS	M.O	02/09/10	AUDIO JACK SENSE	
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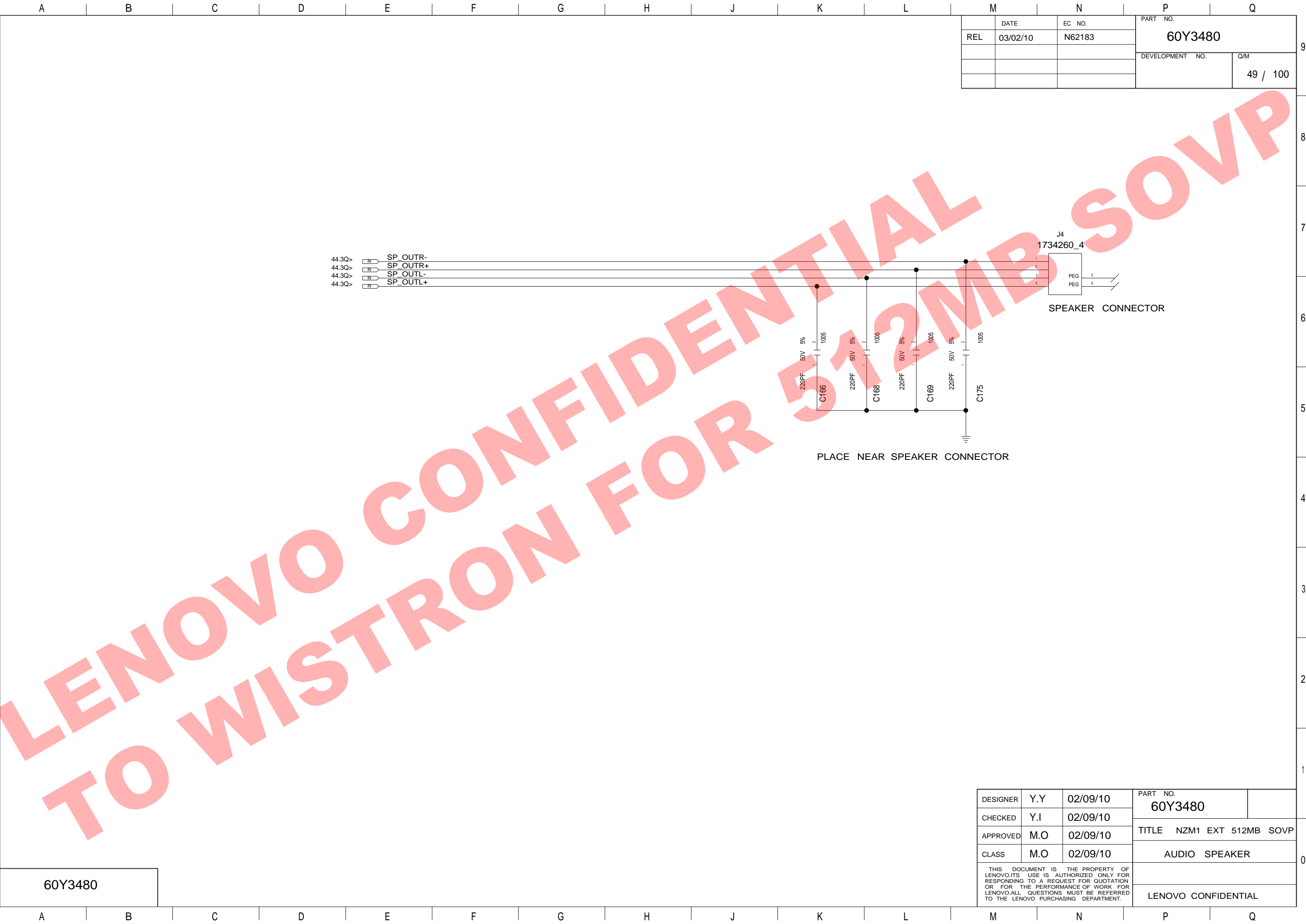


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REL		03/02/10		N62183		60Y3480	
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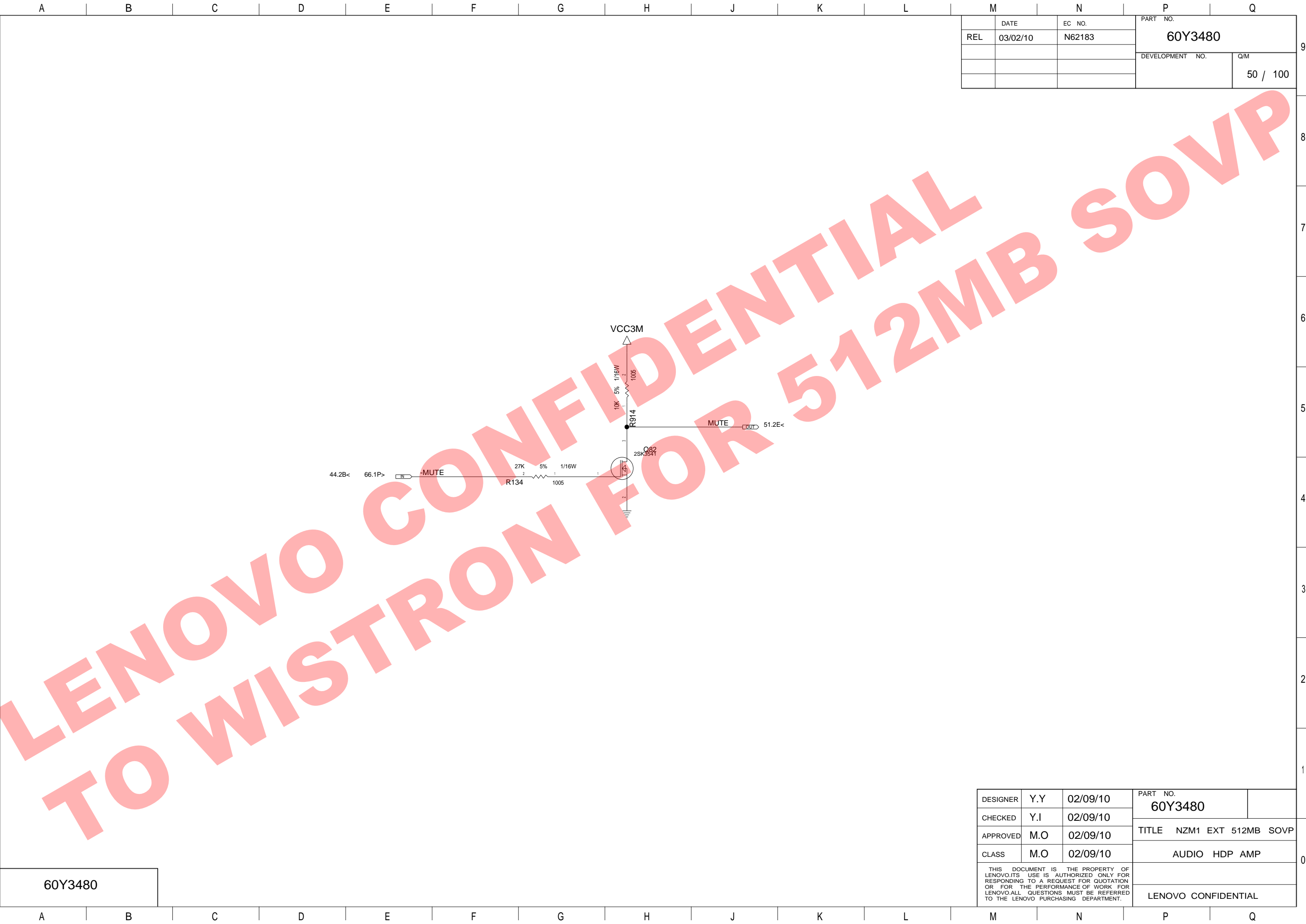
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CLASS	M.O	02/09/10	AUDIO EXT MIC I/F	
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60Y3480

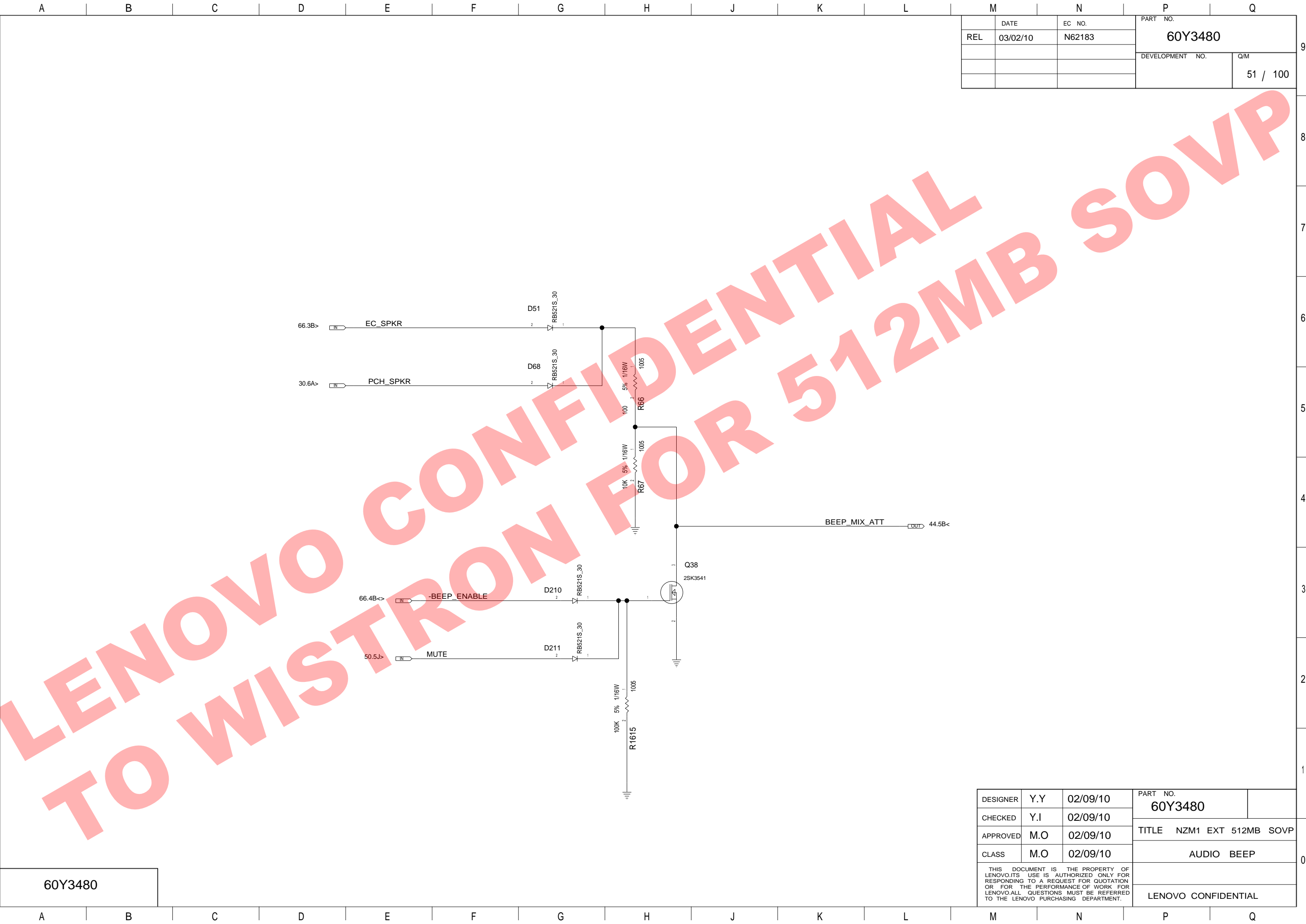
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CLASS	M.O	02/09/10	AUDIO SPEAKER		
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M		N		P		Q			
DATE		EC NO.		PART NO. 60Y3480					
REL	03/02/10	N62183							
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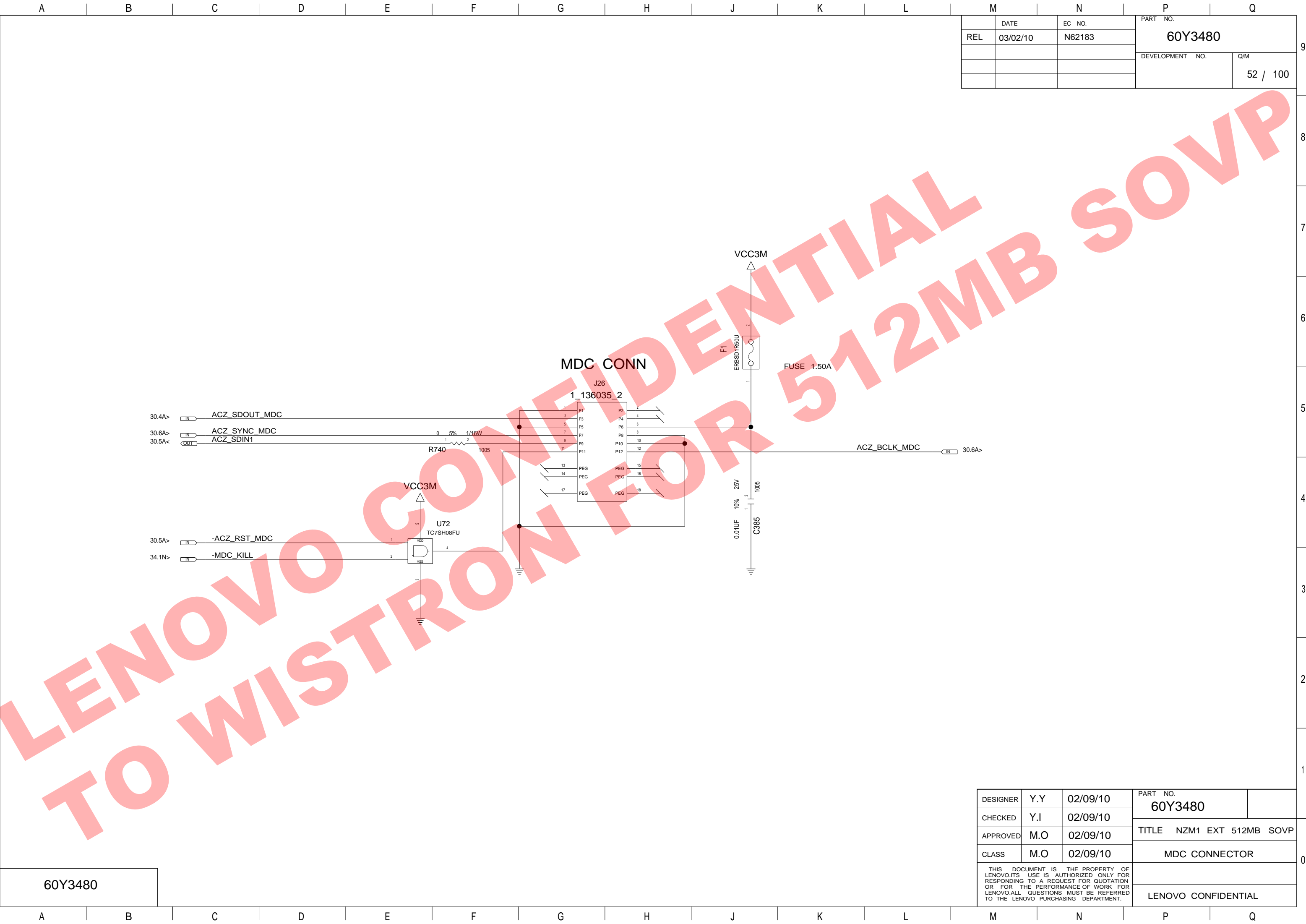
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CLASS	M.O	02/09/10	AUDIO HDP AMP		
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REL		60Y3480	
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DESIGNER	Y.Y	02/09/10	PART NO.	
CHECKED	Y.I	02/09/10	60Y3480	
APPROVED	M.O	02/09/10	TITLE NZM1 EXT 512MB SOVP	
CLASS	M.O	02/09/10	AUDIO BEEP	
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		M		N		P		Q			
		DATE		EC NO.		PART NO.					
REL		03/02/10		N62183		60Y3480					
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60Y3480

DESIGNER	Y.Y	02/09/10	PART NO.		
CHECKED	Y.I	02/09/10	60Y3480		
APPROVED	M.O	02/09/10	TITLE NZM1 EXT 512MB SOVP		
CLASS	M.O	02/09/10	MDC CONNECTOR		
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			LENOVO CONFIDENTIAL		

	DATE	EC NO.	PART NO.	
REL	03/02/10	N62183	60Y3480	
			DEVELOPMENT NO.	Q/M
				53 / 100

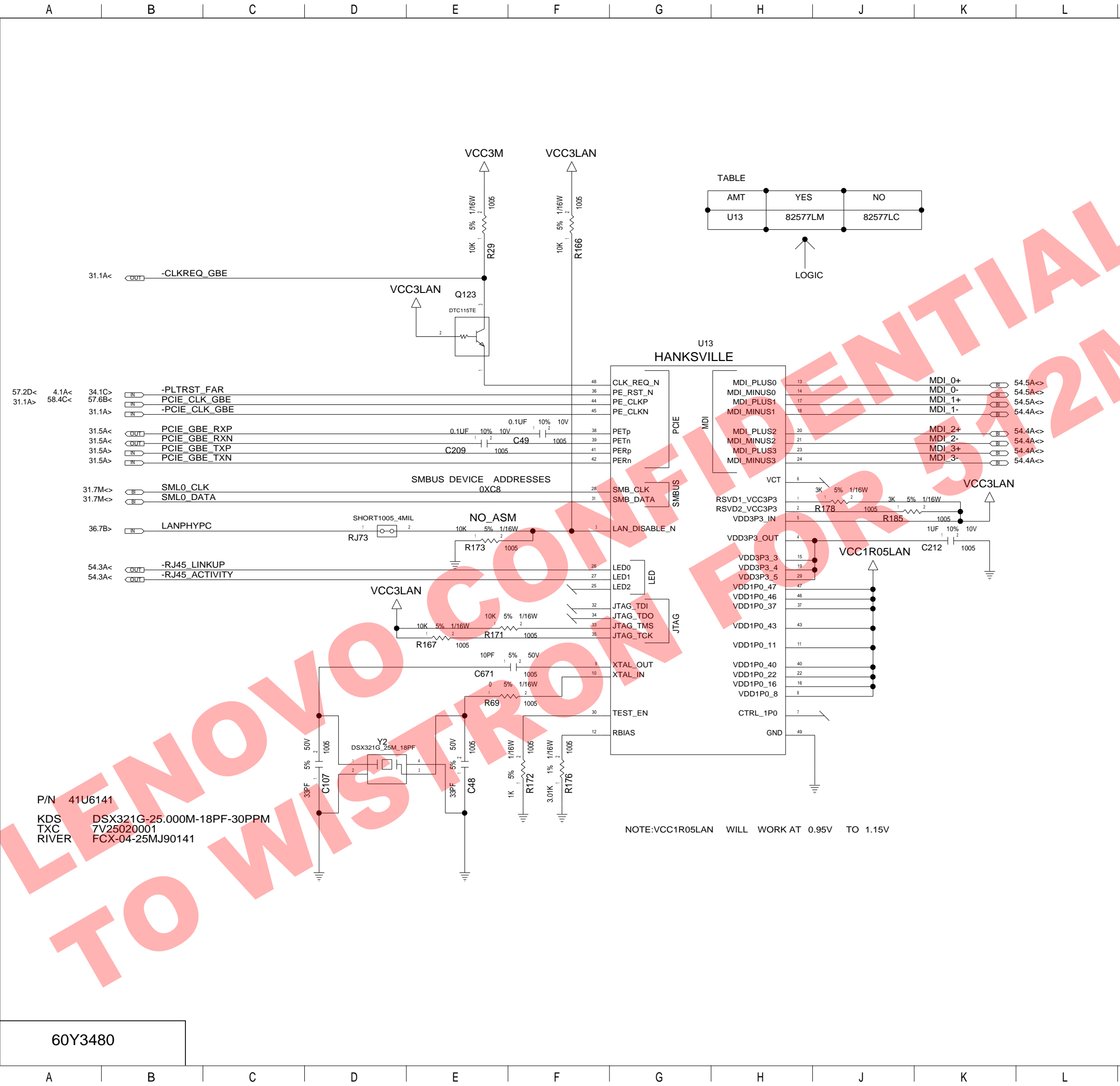
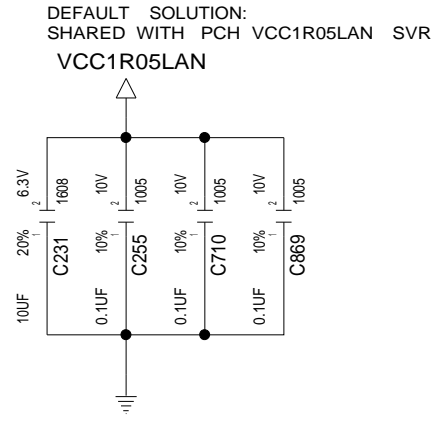
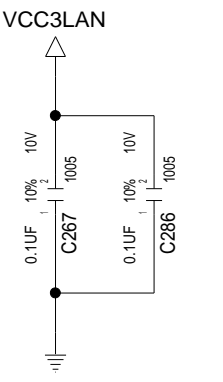
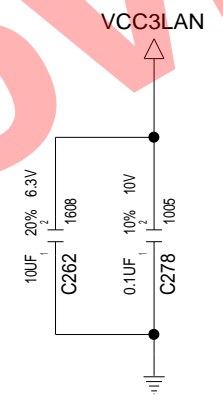


TABLE		
AMT	YES	NO
U13	82577LM	82577LC

LOGIC

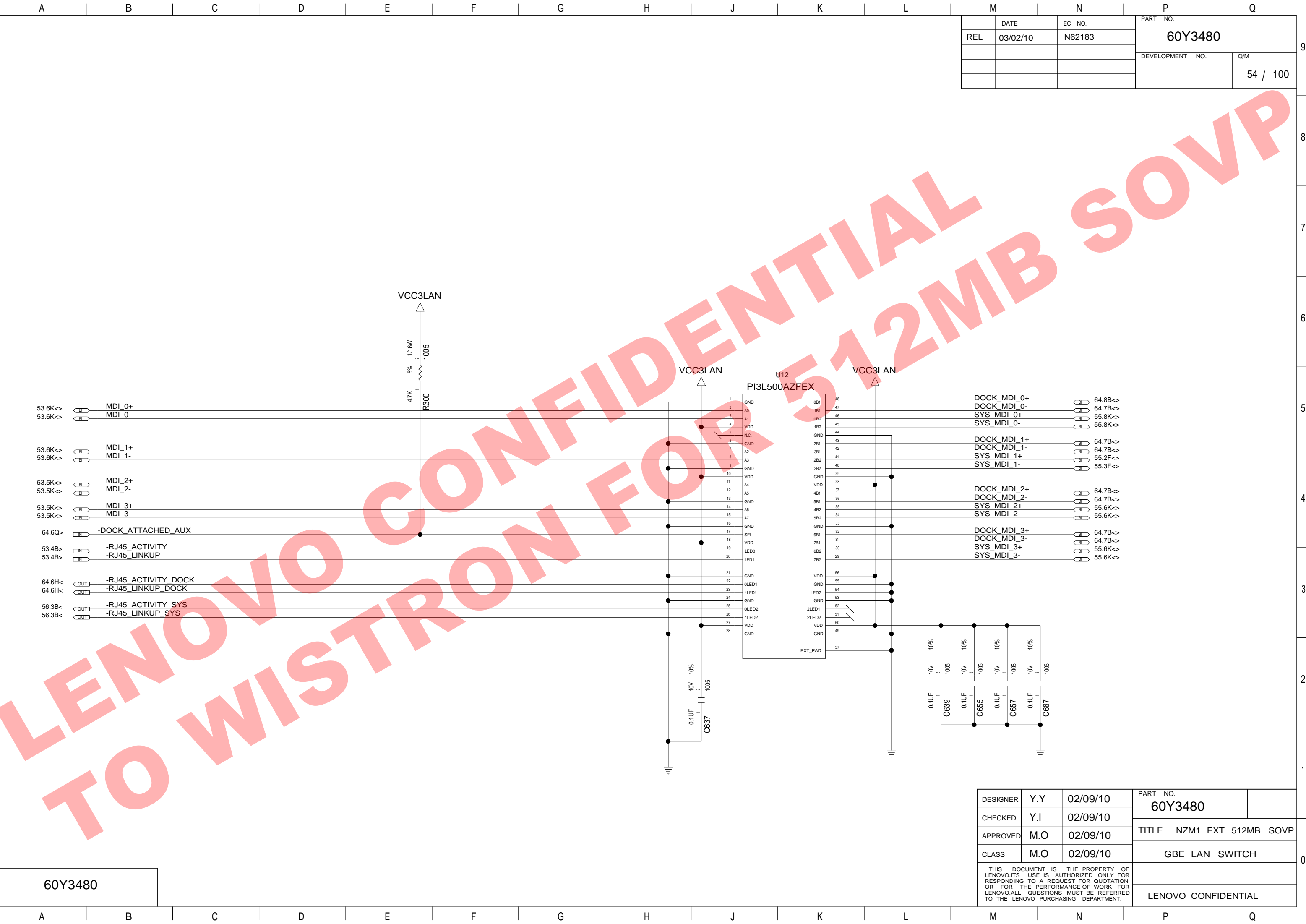


NOTE:VCC1R05LAN WILL WORK AT 0.95V TO 1.15V

P/N 41U6141
KDS DSX321G-25.000M-18PF-30PPM
TXC 7V25020001
RIVER FCX-04-25MJ90141

60Y3480

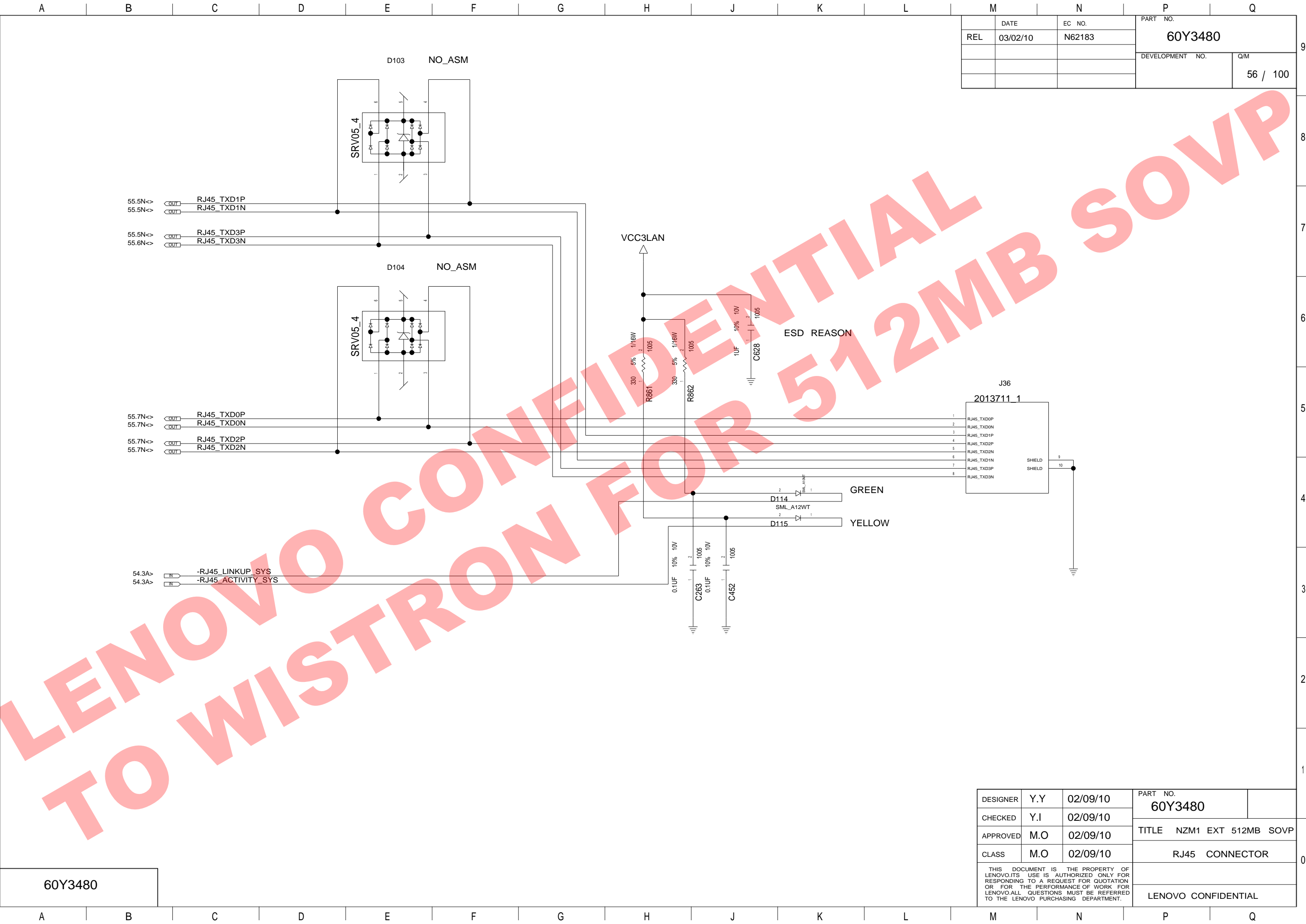
DESIGNER	Y.Y	02/09/10	PART NO.	
CHECKED	Y.I	02/09/10	60Y3480	
APPROVED	M.O	02/09/10	TITLE NZM1 EXT 512MB SOVP	
CLASS	M.O	02/09/10	GBE HANKSVILLE	
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		M		N		P		Q			
		DATE		EC NO.		PART NO.					
REL		03/02/10		N62183		60Y3480					
						DEVELOPMENT NO.		Q/M			
								54 / 100			

60Y3480

DESIGNER	Y.Y	02/09/10	PART NO.		60Y3480			
CHECKED	Y.I	02/09/10						
APPROVED	M.O	02/09/10	TITLE NZM1 EXT 512MB SOVP					
CLASS	M.O	02/09/10	GBE LAN SWITCH					
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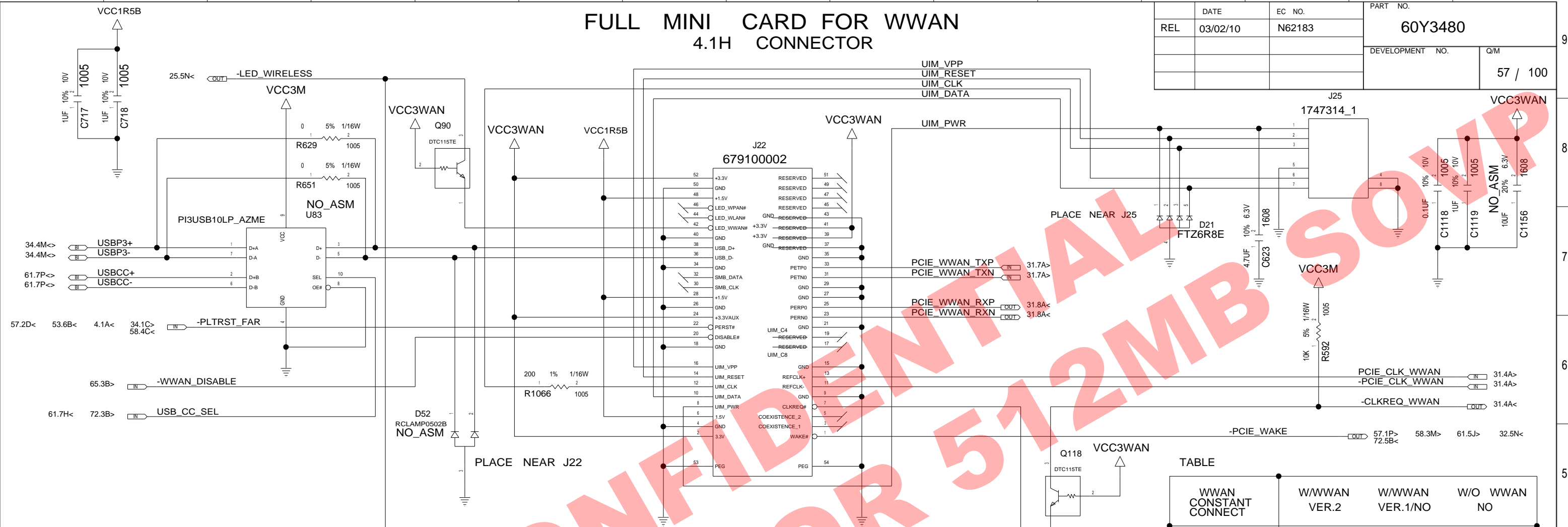
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		DATE		EC NO.		PART NO.					
REL		03/02/10		N62183		60Y3480					
						DEVELOPMENT NO.		Q/M			
								56 / 100			

60Y3480

DESIGNER	Y.Y	02/09/10	PART NO.		
CHECKED	Y.I	02/09/10	60Y3480		
APPROVED	M.O	02/09/10	TITLE NZM1 EXT 512MB SOVP		
CLASS	M.O	02/09/10	RJ45 CONNECTOR		
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			LENOVO CONFIDENTIAL		

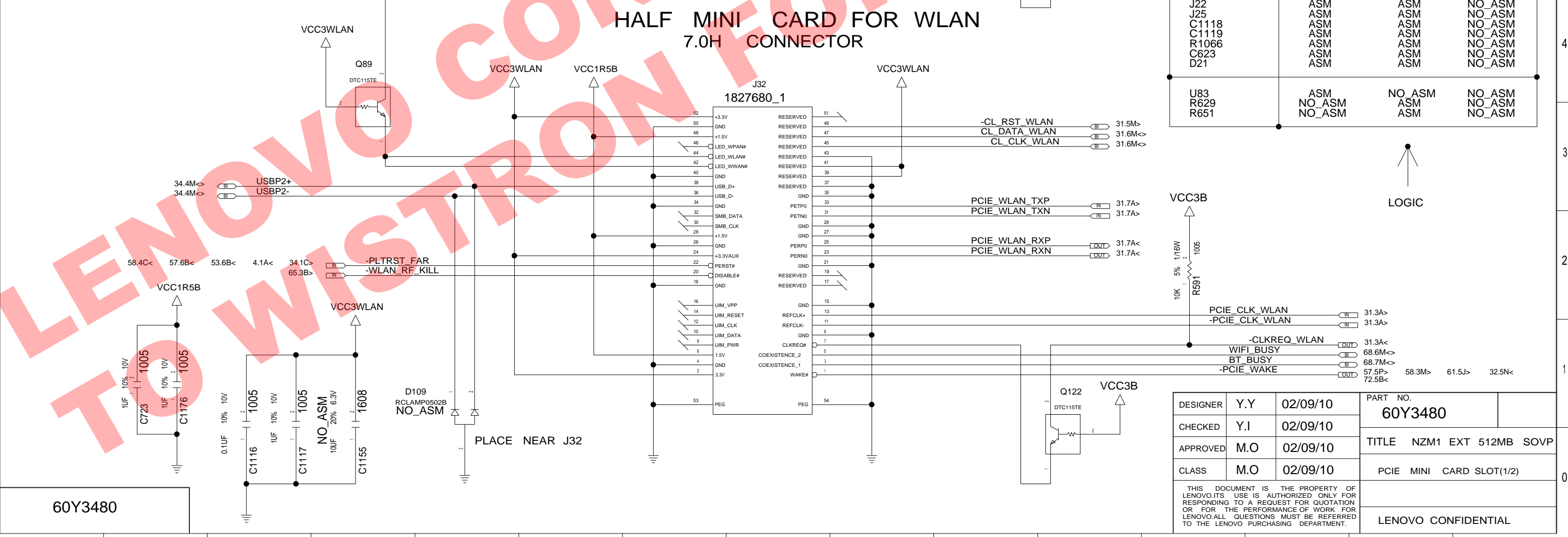
FULL MINI CARD FOR WWAN
4.1H CONNECTOR

	DATE	EC NO.	PART NO.	
REL	03/02/10	N62183	60Y3480	
			DEVELOPMENT NO.	Q/M
				57 / 100



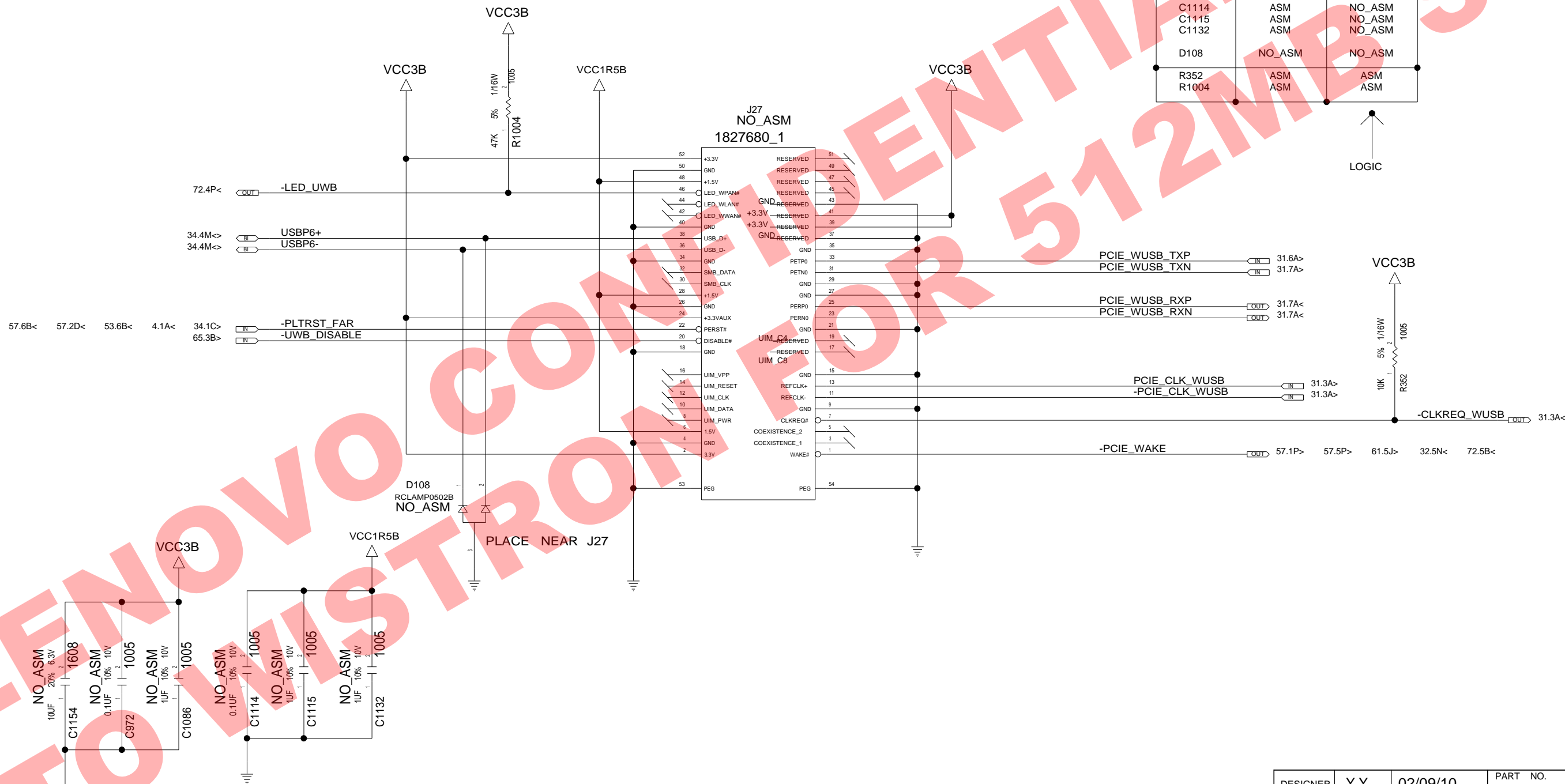
HALF MINI CARD FOR WLAN
7.0H CONNECTOR

WWAN CONSTANT CONNECT	W/WWAN VER.2	W/WWAN VER.1/NO	W/O WWAN NO
J22 J25 C1118 C1119 R1066 C623 D21	ASM ASM ASM ASM ASM ASM ASM	ASM ASM ASM ASM ASM ASM ASM	NO_ASM NO_ASM NO_ASM NO_ASM NO_ASM NO_ASM NO_ASM
U83 R629 R651	ASM NO_ASM NO_ASM	NO_ASM ASM ASM	NO_ASM NO_ASM NO_ASM



DESIGNER	Y.Y	02/09/10	PART NO.	
CHECKED	Y.I	02/09/10	60Y3480	
APPROVED	M.O	02/09/10	TITLE NZM1 EXT 512MB SOVP	
CLASS	M.O	02/09/10	PCIE MINI CARD SLOT(1/2)	
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HALF MINI CARD FOR WUSB
7.0H CONNECTOR



TABLE

WUSB	YES	NO
J27	ASM	NO_ASM
C972	ASM	NO_ASM
C1086	ASM	NO_ASM
C1154	NO_ASM	NO_ASM
C1114	ASM	NO_ASM
C1115	ASM	NO_ASM
C1132	ASM	NO_ASM
D108	NO_ASM	NO_ASM
R352	ASM	ASM
R1004	ASM	ASM

LOGIC

DESIGNER	Y.Y	02/09/10	PART NO.	60Y3480
CHECKED	Y.I	02/09/10	TITLE NZM1 EXT 512MB SOVP	
APPROVED	M.O	02/09/10		
CLASS	M.O	02/09/10	PCIE MINI CARD SLOT(2/2)	
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	DATE	EC NO.	PART NO.	
REL	03/02/10	N62183	60Y3480	
			DEVELOPMENT NO.	Q/M
				59 / 100

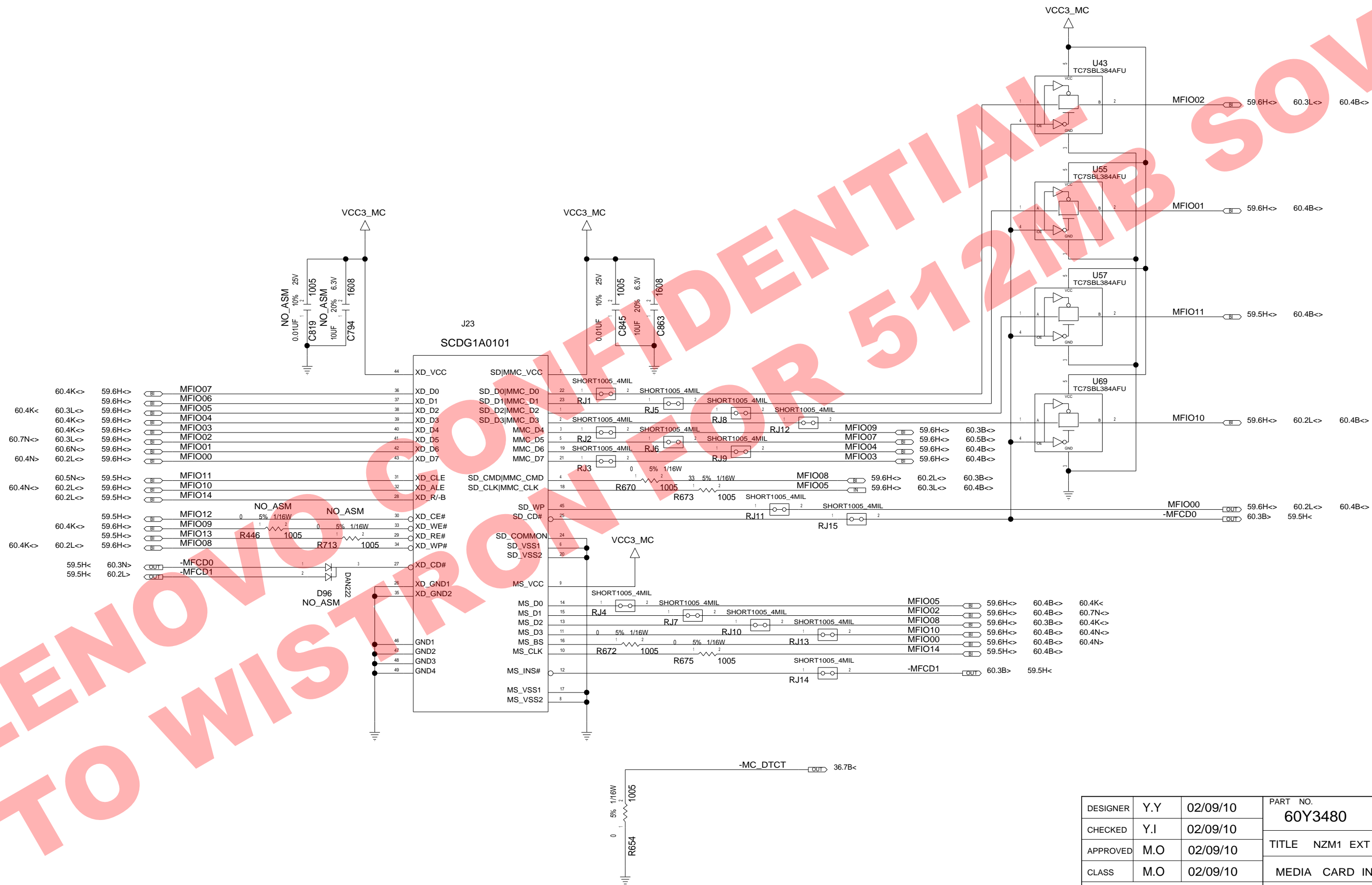
TABLE

MEDIA	I/F	SD/MMC	MEMORYSTICK	XD
MFIO00		SDWP#	MSBS	XD_D7
MFIO01		SD_D1		XD_D6
MFIO02		SD_D0	MS_D1	XD_D5
MFIO03		(SD_D7)		XD_D4
MFIO04		(SD_D6)	(MS_D5)	XD_D3
MFIO05		SD_CLK	MS_D0	XD_D2
MFIO06				XD_D1
MFIO07		(SD_D5)	(MS_D4)	XD_D0
MFIO08		SD_CMD	MS_D2	XD_WP#
MFIO09		(SD_D4)	(MS_D6)	XD_WE#
MFIO10		SD_D3	MS_D3	XD_ALE
MFIO11		SD_D2		XD_CLE
MFIO12				XD_CE#
MFIO13			(MS_D7)	XD_RE#
MFIO14			MS_CLK	XD_R/B#
MFCD0#		SDCD#		XD_CD0#
MFCD1#			MSINS#	XD_CD1#

1394	TPA0P	43.3P<>
1394	TPA0N	43.3P<>
1394	TPB0P	43.3P<>
1394	TPB0N	43.3P<>

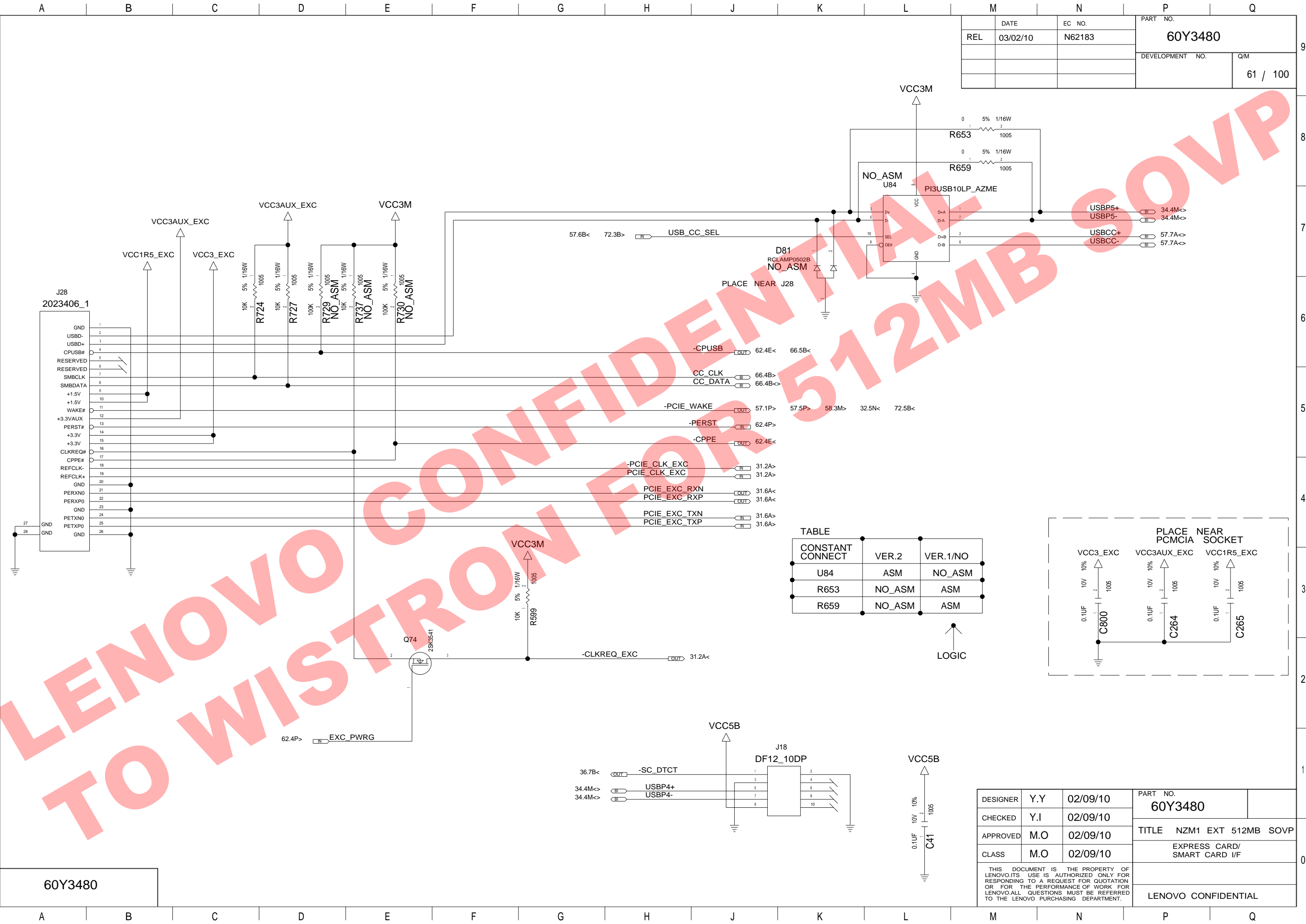
DESIGNER	Y.Y	02/09/10	PART NO.	
CHECKED	Y.I	02/09/10	60Y3480	
APPROVED	M.O	02/09/10	TITLE NZM1 EXT 512MB SOVP	
CLASS	M.O	02/09/10	1394/MEDIA CARD CONTROLLER	
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DATE		EC NO.	PART NO.	
REL		03/02/10	N62183	
			60Y3480	
			DEVELOPMENT NO.	Q/M
				60 / 100



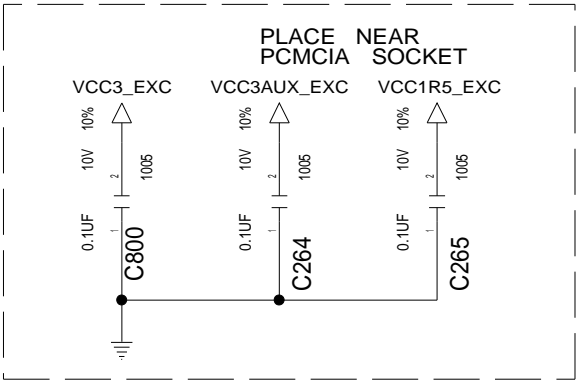
60Y3480

DESIGNER	Y.Y	02/09/10	PART NO.	60Y3480
CHECKED	Y.I	02/09/10	TITLE NZM1 EXT 512MB SOVP	
APPROVED	M.O	02/09/10	MEDIA CARD INTERFACE	
CLASS	M.O	02/09/10	LENOVO CONFIDENTIAL	
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DATE		EC NO.	PART NO.	
REL		03/02/10	N62183	
			60Y3480	
			DEVELOPMENT NO.	Q/M
				61 / 100

TABLE		
CONSTANT CONNECT	VER.2	VER.1/NO
U84	ASM	NO_ASM
R653	NO_ASM	ASM
R659	NO_ASM	ASM



DESIGNER	Y.Y	02/09/10	PART NO.	
CHECKED	Y.I	02/09/10	60Y3480	
APPROVED	M.O	02/09/10	TITLE NZM1 EXT 512MB SOVP	
CLASS	M.O	02/09/10	EXPRESS CARD/SMART CARD I/F	
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60Y3480

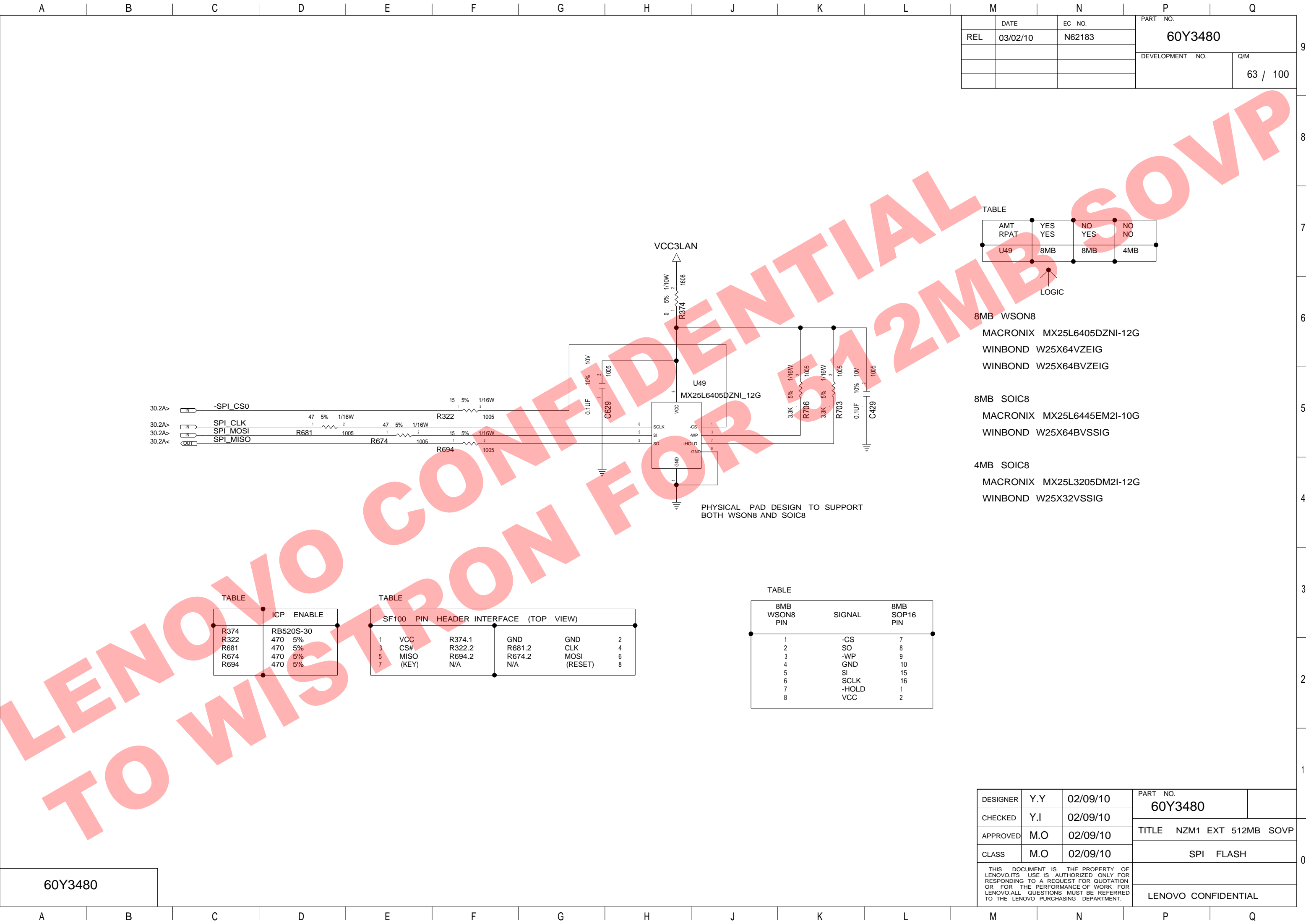


TABLE			
AMT RPAT	YES YES	NO YES	NO NO
U49	8MB	8MB	4MB

8MB WSON8
MACRONIX MX25L6405DZNI-12G
WINBOND W25X64VZEIG
WINBOND W25X64BVZEIG

8MB SOIC8
MACRONIX MX25L6445EM2I-10G
WINBOND W25X64BVSSIG

4MB SOIC8
MACRONIX MX25L3205DM2I-12G
WINBOND W25X32VSSIG

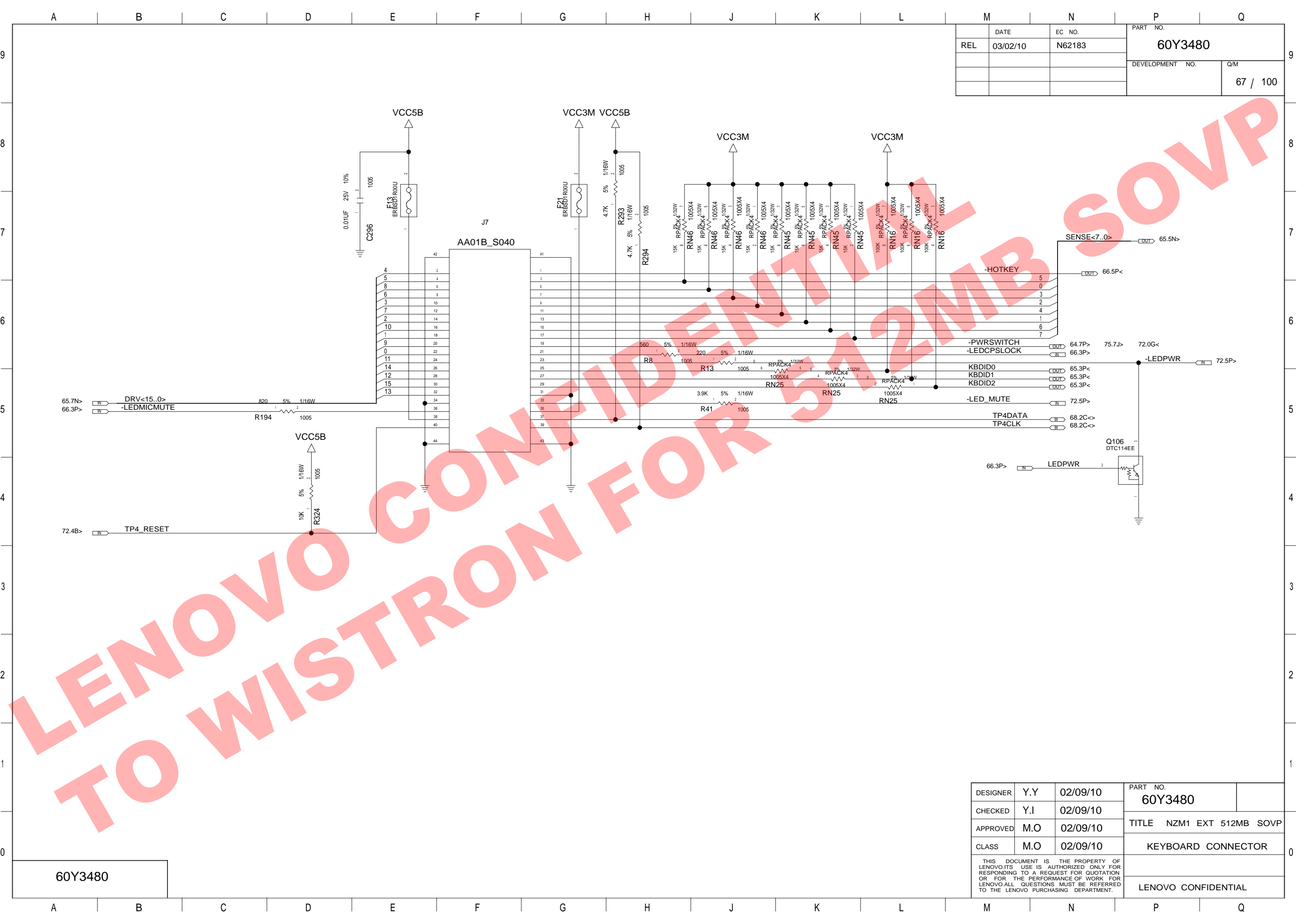
TABLE		
	ICP	ENABLE
R374	RB520S-30	
R322	470 5%	
R681	470 5%	
R674	470 5%	
R694	470 5%	

TABLE						
SF100	PIN	HEADER	INTERFACE	(TOP	VIEW)	
1	VCC	R374.1	GND	GND	2	
3	CS#	R322.2	R681.2	CLK	4	
5	MISO	R694.2	R674.2	MOSI	6	
7	(KEY)	N/A	N/A	(RESET)	8	

TABLE		
8MB WSON8 PIN	SIGNAL	8MB SOP16 PIN
1	-CS	7
2	SO	8
3	-WP	9
4	GND	10
5	SI	15
6	SCLK	16
7	-HOLD	1
8	VCC	2

DESIGNER	Y.Y	02/09/10	PART NO.	60Y3480
CHECKED	Y.I	02/09/10		
APPROVED	M.O	02/09/10	TITLE	NZM1 EXT 512MB SOVP
CLASS	M.O	02/09/10	SPI FLASH	
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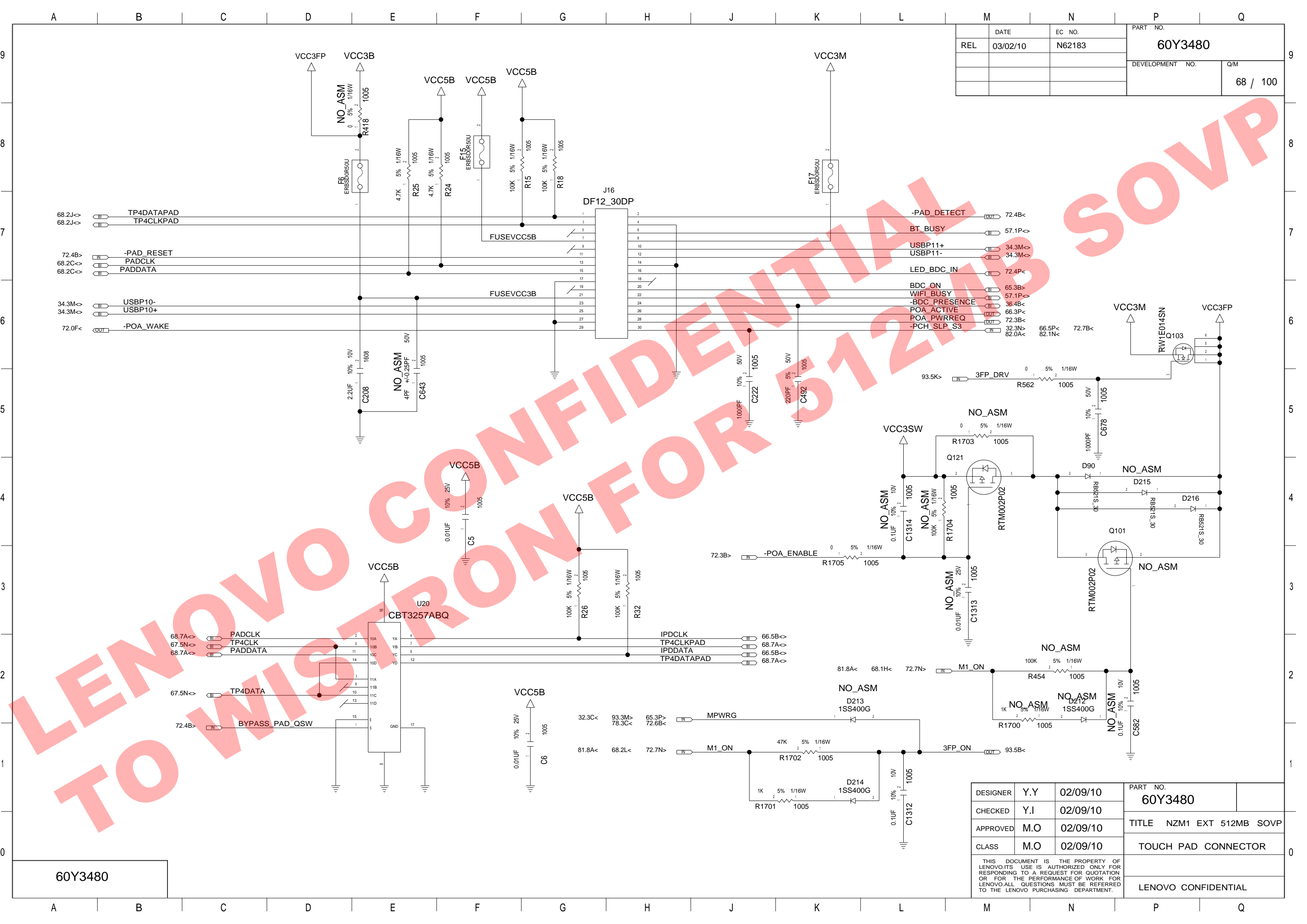
60Y3480



DATE		EC NO.	PART NO.	
REL		03/02/10	N62183	
			60Y3480	
DEVELOPMENT NO.			Q/M	
			67 / 100	

60Y3480

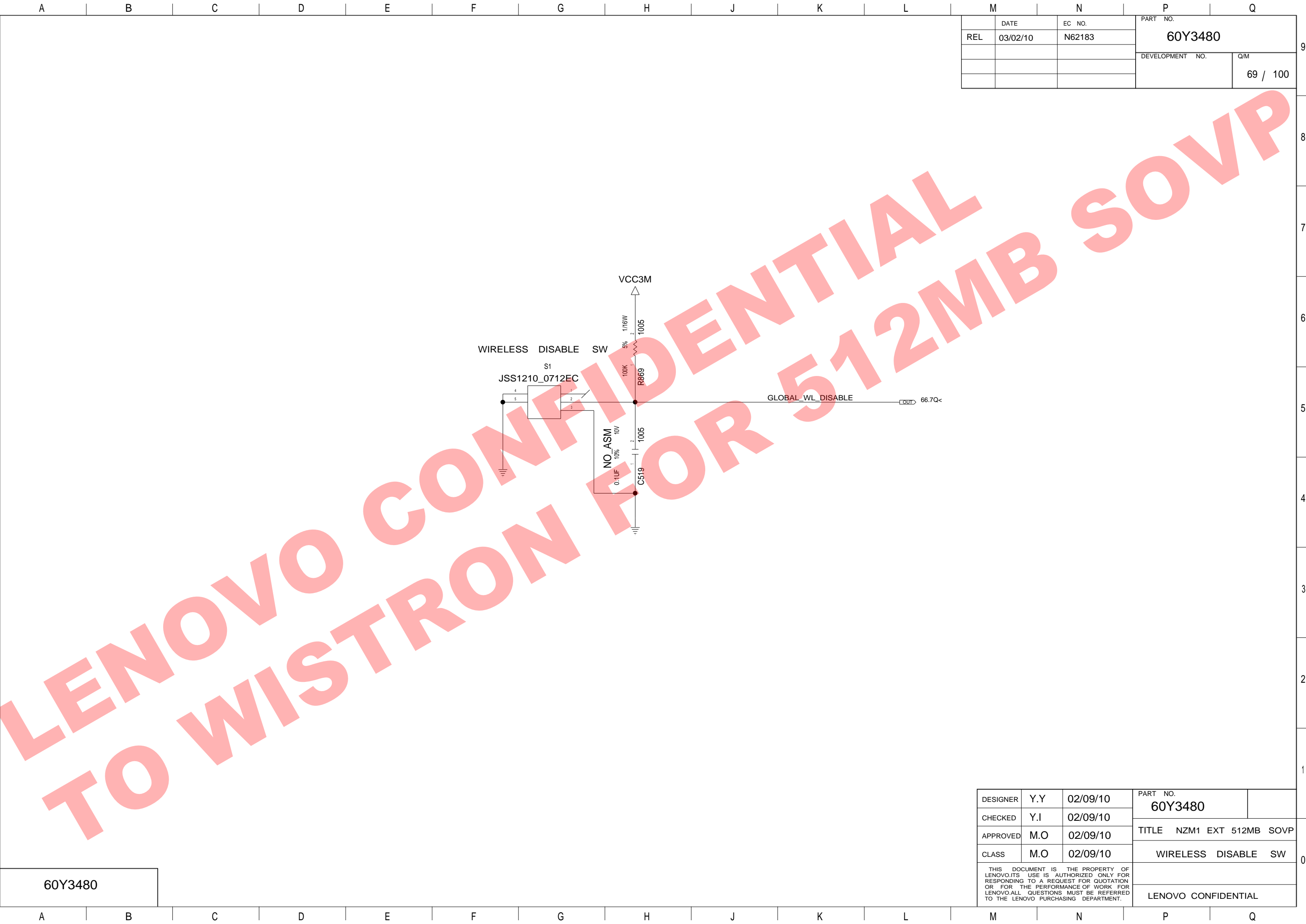
DESIGNER	Y.Y	02/09/10	PART NO.	
CHECKED	Y.I	02/09/10	60Y3480	
APPROVED	M.O	02/09/10	TITLE NZM1 EXT 512MB SOVP	
CLASS	M.O	02/09/10	KEYBOARD CONNECTOR	
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DATE		EC NO.	PART NO.	
REL 03/02/10		N62183	60Y3480	
			DEVELOPMENT NO.	Q/M
				68 / 100

DESIGNER	Y.Y	02/09/10	PART NO.	
CHECKED	Y.I	02/09/10	60Y3480	
APPROVED	M.O	02/09/10	TITLE NZM1 EXT 512MB SOVP	
CLASS	M.O	02/09/10	TOUCH PAD CONNECTOR	
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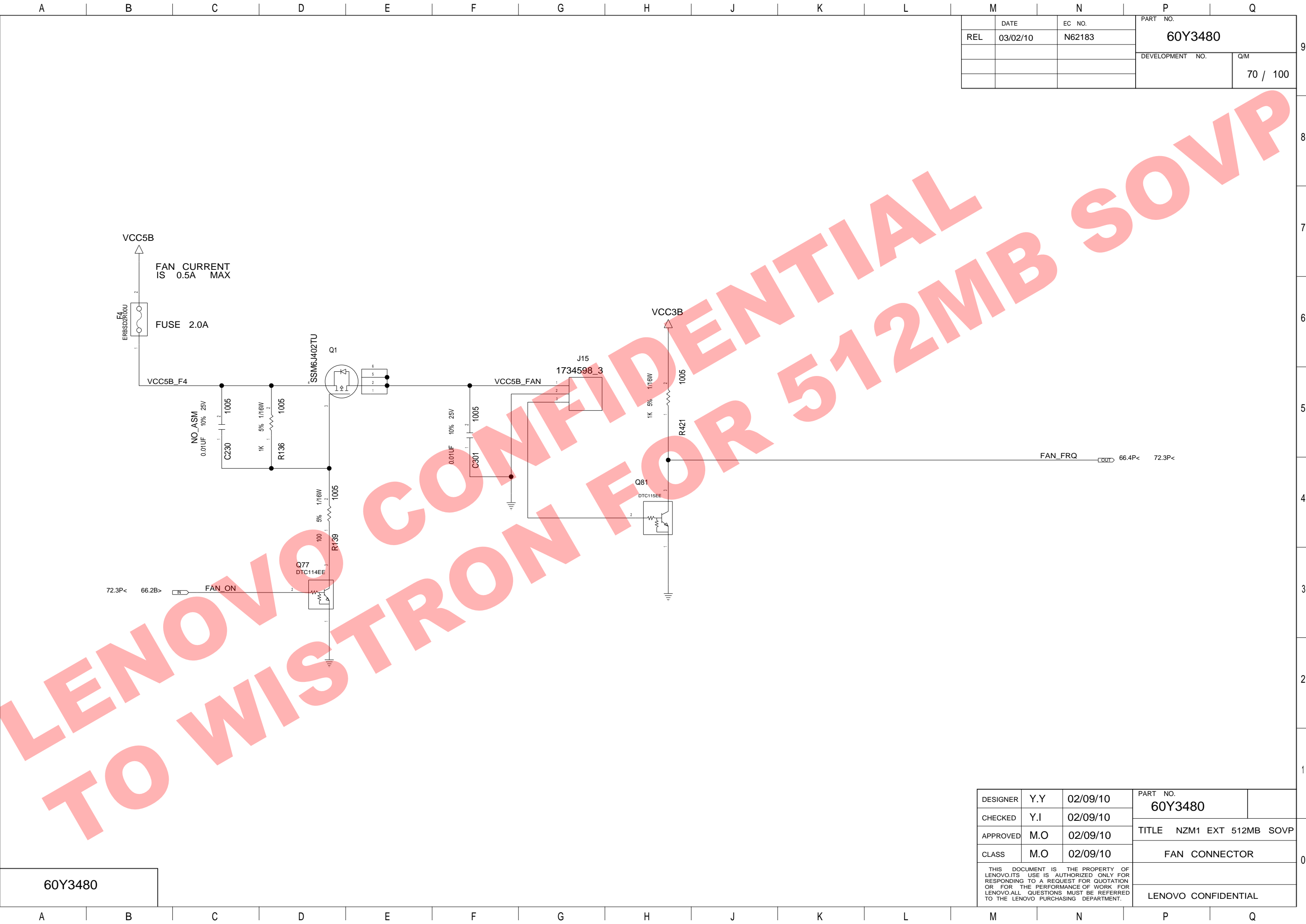
60Y3480



		PART NO.	
REL		60Y3480	
DATE		EC NO.	
03/02/10		N62183	

60Y3480

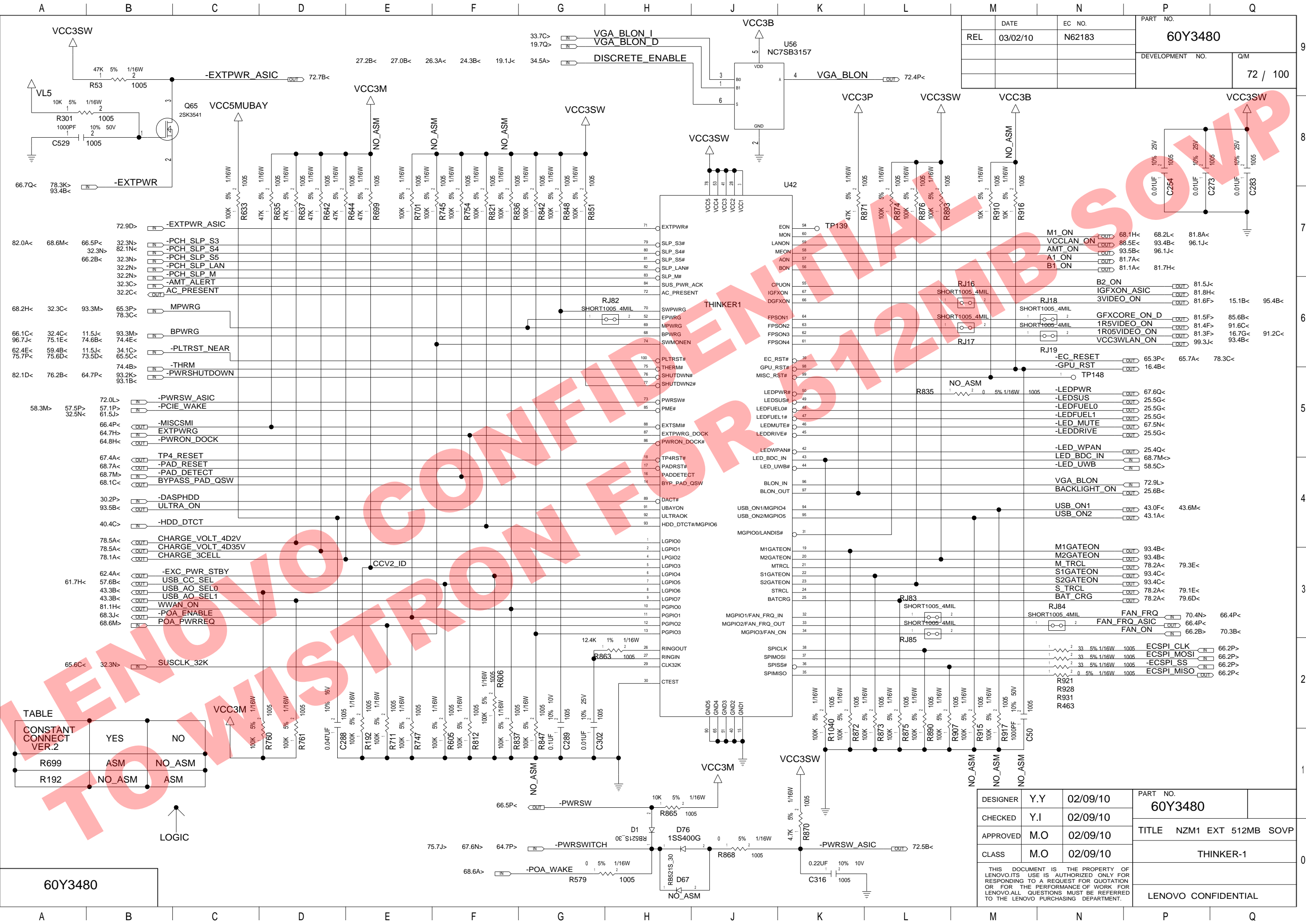
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CHECKED	Y.I	02/09/10	60Y3480	
APPROVED	M.O	02/09/10	TITLE NZM1 EXT 512MB SOVP	
CLASS	M.O	02/09/10	WIRELESS DISABLE SW	
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		M		N		P		Q			
		DATE		EC NO.		PART NO.					
REL		03/02/10		N62183		60Y3480					
						DEVELOPMENT NO.		Q/M			
								70 / 100			

60Y3480

DESIGNER	Y.Y	02/09/10	PART NO.		
CHECKED	Y.I	02/09/10	60Y3480		
APPROVED	M.O	02/09/10	TITLE NZM1 EXT 512MB SOVP		
CLASS	M.O	02/09/10	FAN CONNECTOR		
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			LENOVO CONFIDENTIAL		



TABLE

CONSTANT CONNECT VER.2	YES	NO
R699	ASM	NO_ASM
R192	NO_ASM	ASM

LOGIC

60Y3480

DATE	EC NO.	PART NO.
REL 03/02/10	N62183	60Y3480
DEVELOPMENT NO.		Q/M
		72 / 100

DESIGNER	Y.Y	02/09/10	PART NO.
CHECKED	Y.I	02/09/10	60Y3480
APPROVED	M.O	02/09/10	TITLE NZM1 EXT 512MB SOVP
CLASS	M.O	02/09/10	THINKER-1
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	DATE	EC NO.	PART NO.	
REL	03/02/10	N62183	60Y3480	
			DEVELOPMENT NO.	Q/M
				73 / 100

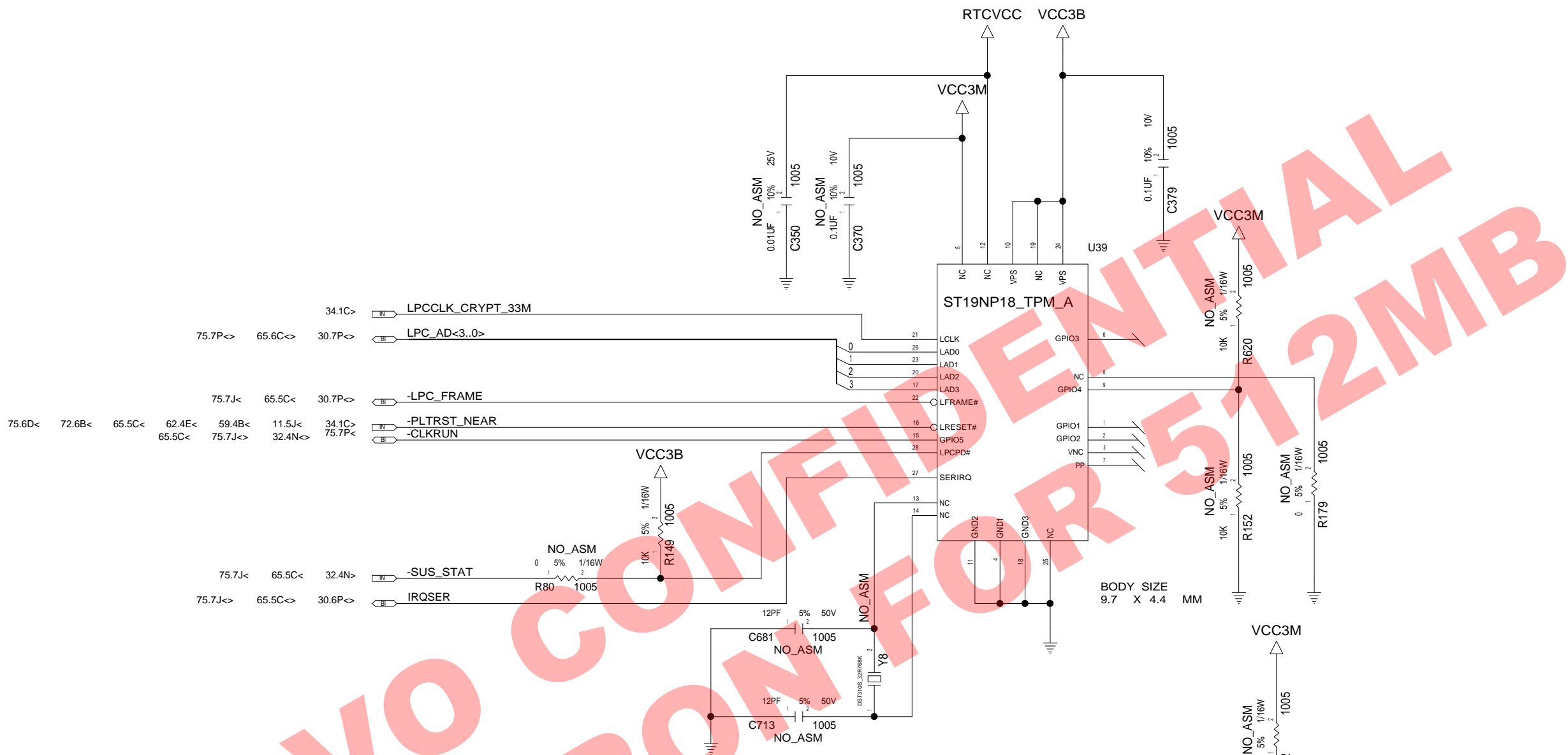


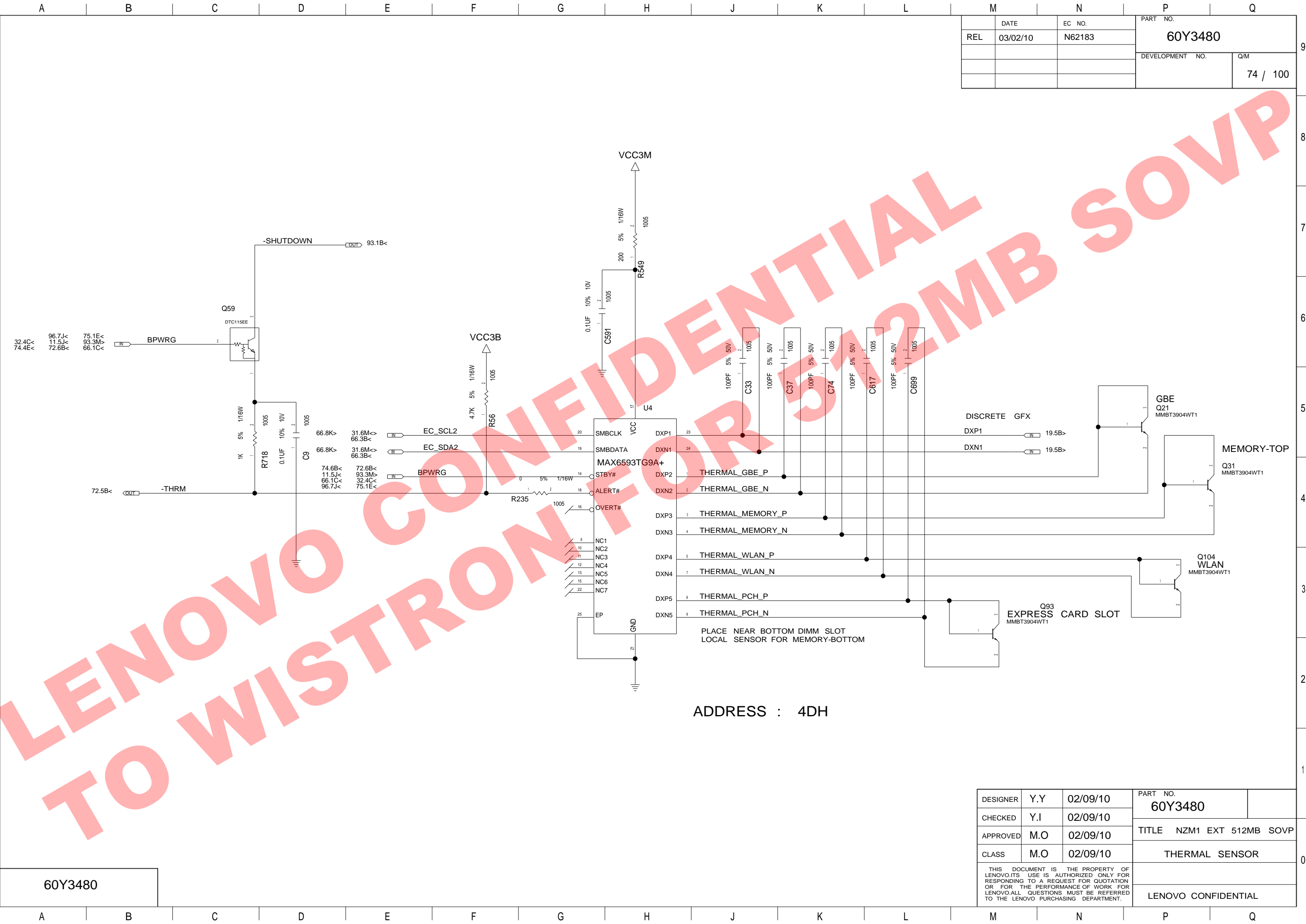
TABLE						
REF	DES	NO TPM	WINBOND WPCT200	NUVOTON WPCT210A	ST MICRO ST19NP18-TPM-A	INFINEON SLB9635TT
U39		NO_ASM	ASM	ASM	ASM	ASM
C350		NO_ASM	ASM	NO_ASM	NO_ASM	NO_ASM
C370		NO_ASM	ASM	ASM	ASM	ASM
C379		NO_ASM	ASM	ASM	ASM	ASM
R80		NO_ASM	NO_ASM	NO_ASM	NO_ASM	NO_ASM
R149		NO_ASM	ASM	ASM	ASM	ASM
R179		NO_ASM	NO_ASM	NO_ASM	NO_ASM	ASM
R152		NO_ASM	NO_ASM	NO_ASM	NO_ASM	NO_ASM
R620		NO_ASM	NO_ASM	NO_ASM	NO_ASM	ASM
Y8		NO_ASM	NO_ASM	NO_ASM	NO_ASM	ASM
C681		NO_ASM	NO_ASM	NO_ASM	NO_ASM	ASM
C713		NO_ASM	NO_ASM	NO_ASM	NO_ASM	ASM
R212		ASM	NO_ASM	NO_ASM	NO_ASM	NO_ASM
R270		NO_ASM	ASM	ASM	ASM	ASM

LOGIC

60Y3480

DESIGNER	Y.Y	02/09/10	PART NO.	
CHECKED	Y.I	02/09/10	60Y3480	
APPROVED	M.O	02/09/10	TITLE NZM1 EXT 512MB SOVP	
CLASS	M.O	02/09/10	TPM	
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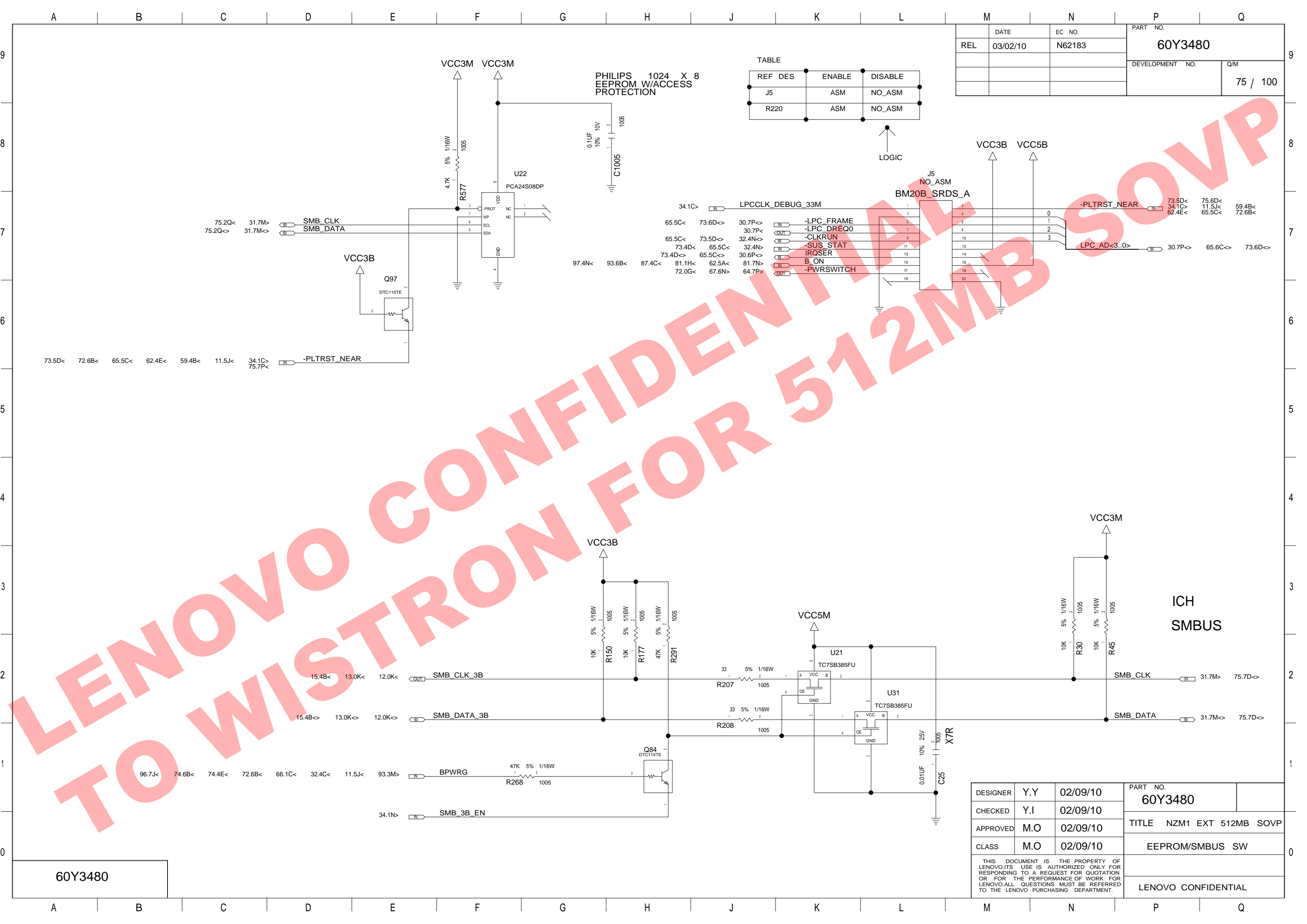
	DATE	EC NO.	PART NO.	
REL	03/02/10	N62183	60Y3480	
			DEVELOPMENT NO.	Q/M
				74 / 100

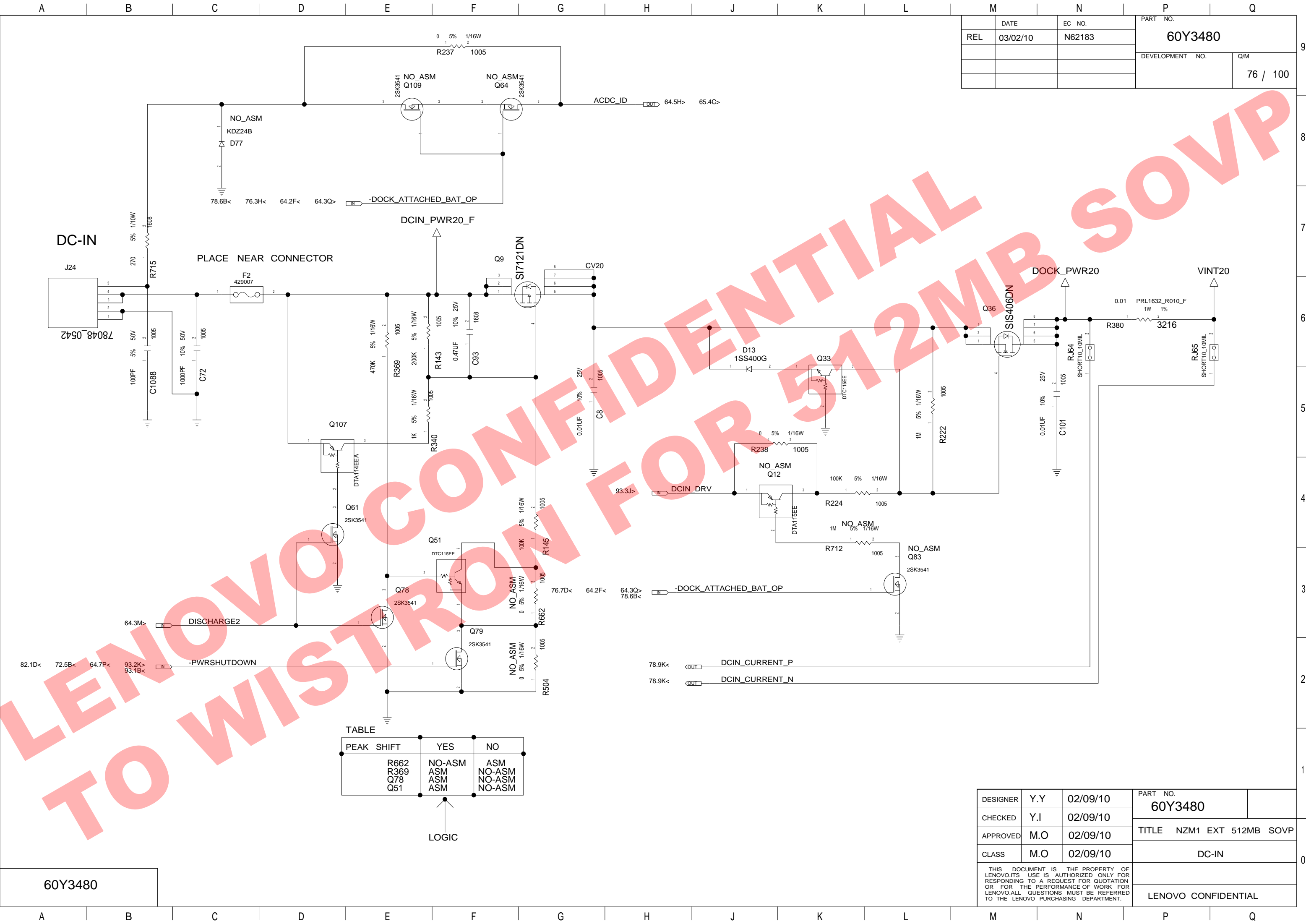


ADDRESS : 4DH

60Y3480

DESIGNER	Y.Y	02/09/10	PART NO.	
CHECKED	Y.I	02/09/10	60Y3480	
APPROVED	M.O	02/09/10	TITLE NZM1 EXT 512MB SOVP	
CLASS	M.O	02/09/10	THERMAL SENSOR	
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			LENOVO CONFIDENTIAL	



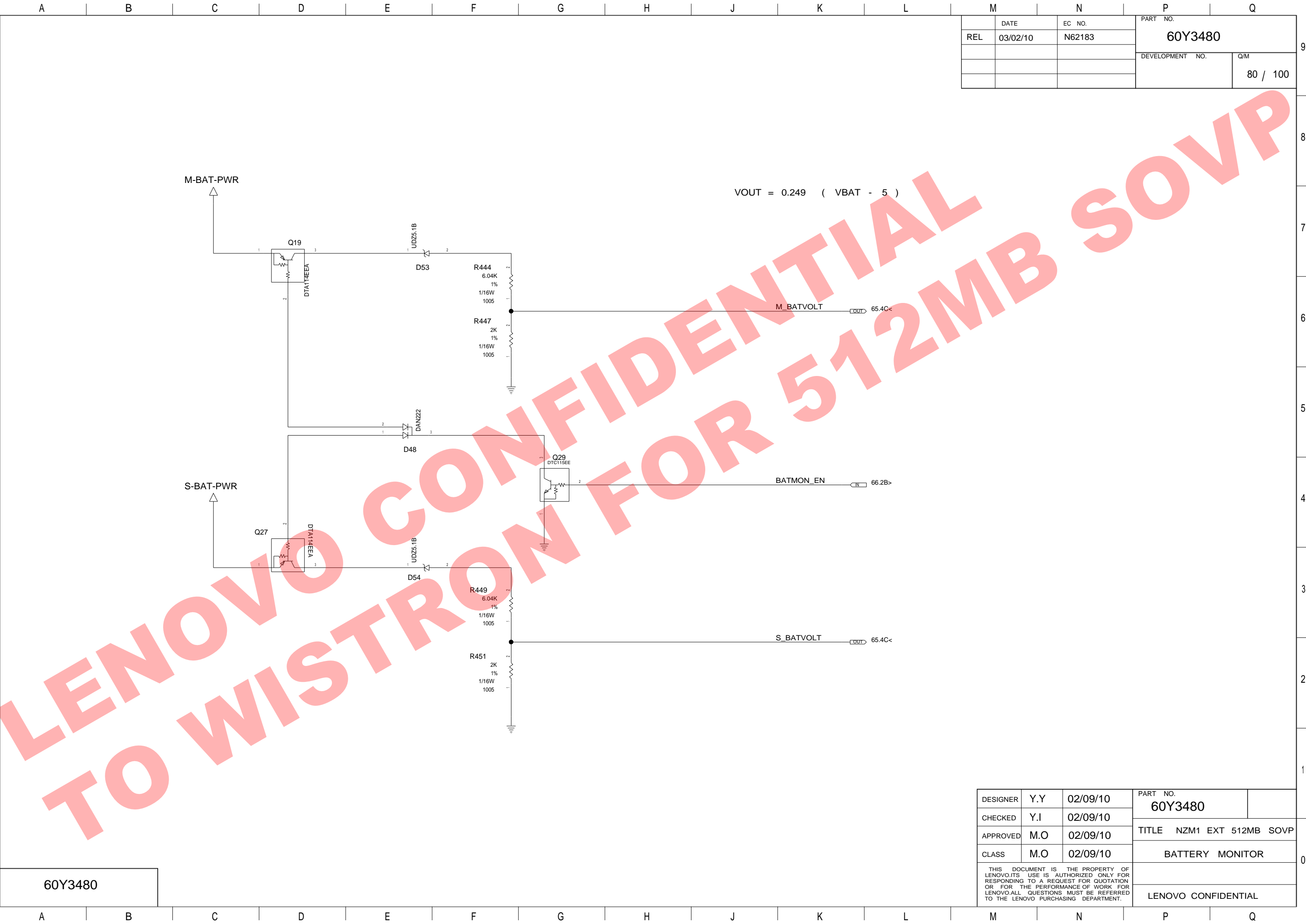


DATE		EC NO.	PART NO.	
REL		03/02/10	N62183	
			60Y3480	
			DEVELOPMENT NO.	Q/M
				76 / 100

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

LOGIC

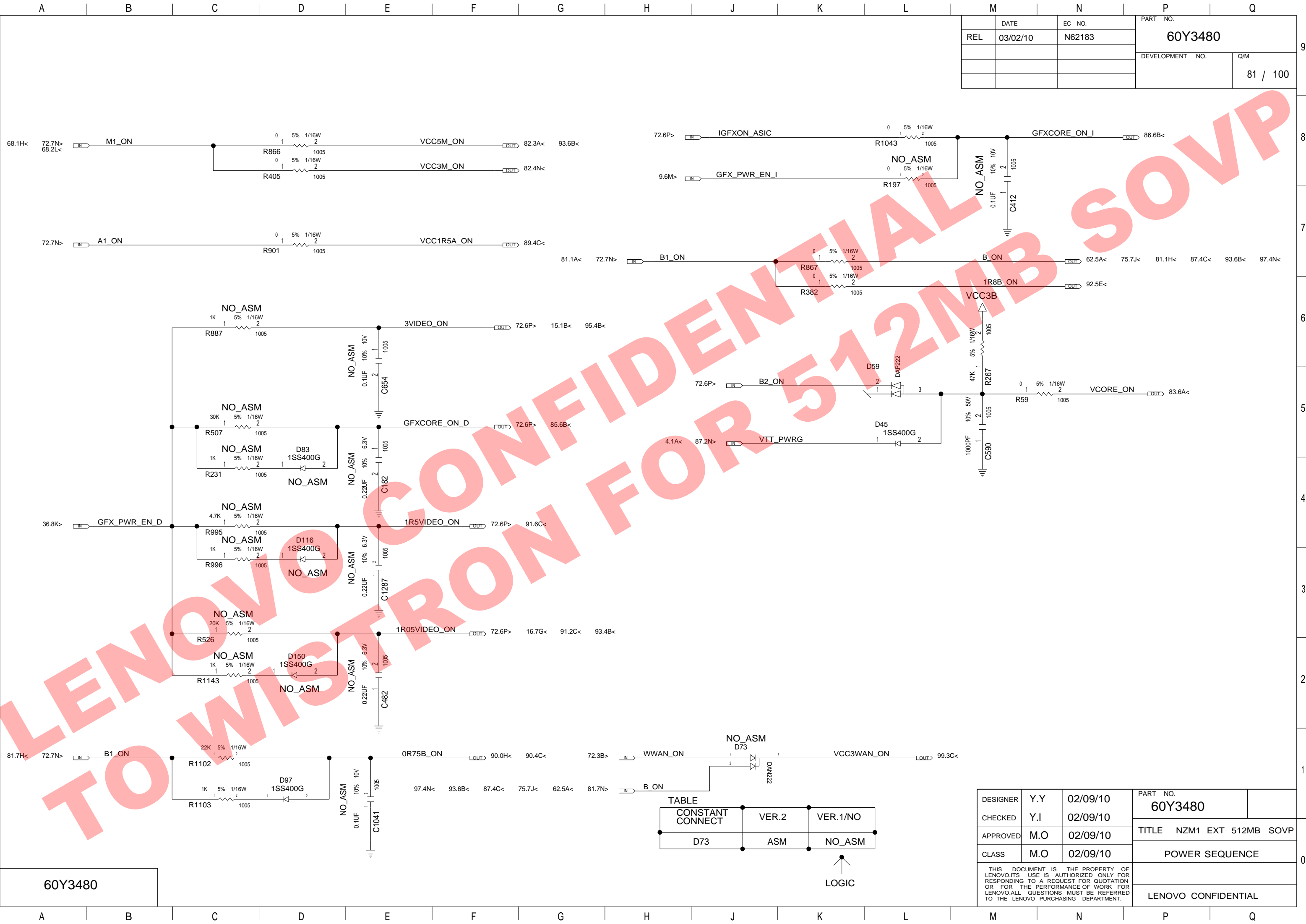
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CHECKED	Y.I	02/09/10	60Y3480	
APPROVED	M.O	02/09/10	TITLE NZM1 EXT 512MB SOVP	
CLASS	M.O	02/09/10	DC-IN	
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	DATE	EC NO.	PART NO.	
REL	03/02/10	N62183	60Y3480	
			DEVELOPMENT NO.	Q/M
				80 / 100

60Y3480

DESIGNER	Y.Y	02/09/10	PART NO.	
CHECKED	Y.I	02/09/10	60Y3480	
APPROVED	M.O	02/09/10	TITLE NZM1 EXT 512MB SOVP	
CLASS	M.O	02/09/10	BATTERY MONITOR	
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			LENOVO CONFIDENTIAL	

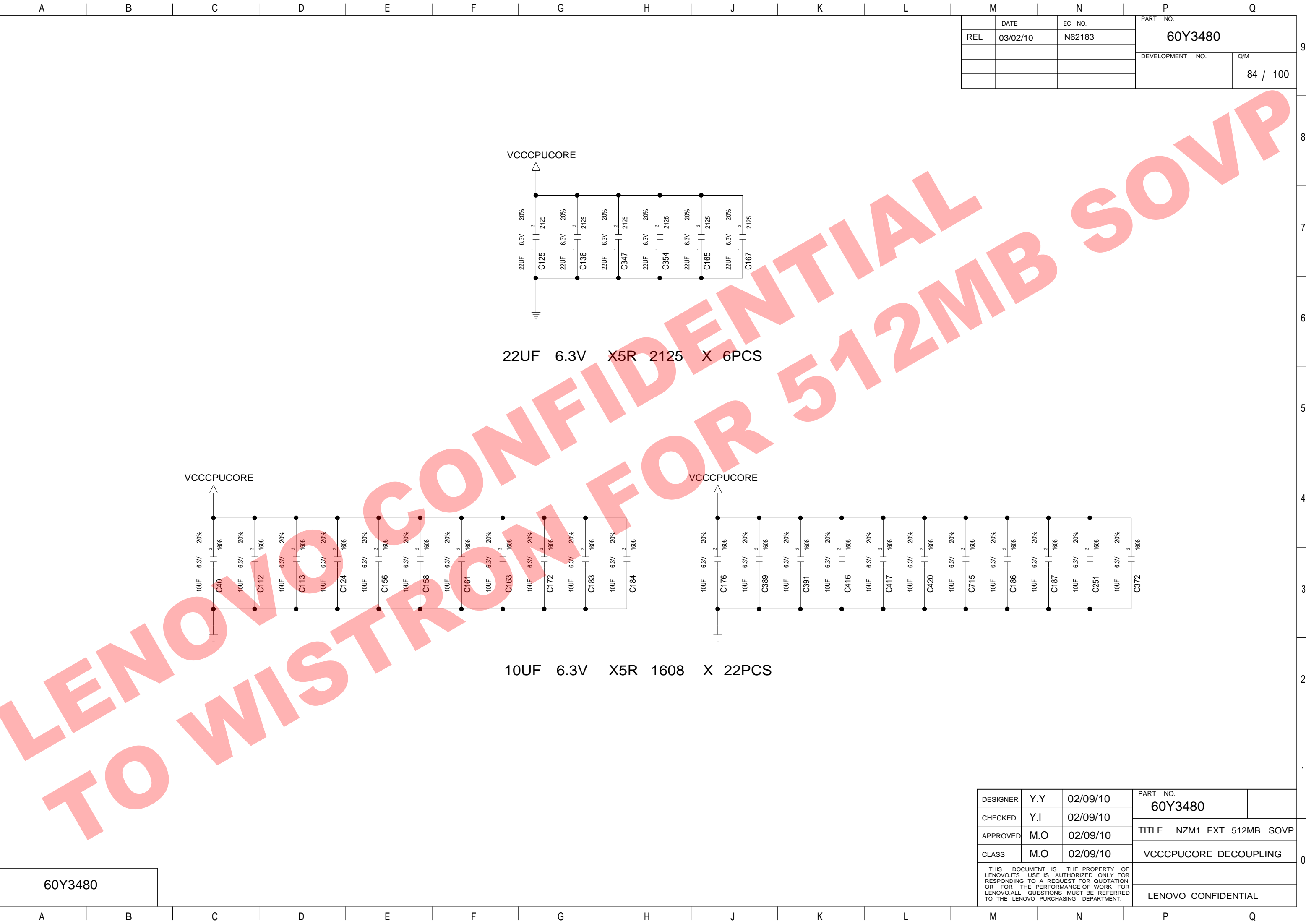


60Y3480

DATE		EC NO.	PART NO.	
REL		03/02/10	N62183	
			DEVELOPMENT NO.	Q/M
				81 / 100

TABLE		
CONSTANT CONNECT	VER.2	VER.1/NO
D73	ASM	NO_ASM

DESIGNER	Y.Y	02/09/10	PART NO.	
CHECKED	Y.I	02/09/10	60Y3480	
APPROVED	M.O	02/09/10	TITLE NZM1 EXT 512MB SOVP	
CLASS	M.O	02/09/10	POWER SEQUENCE	
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			LENOVO CONFIDENTIAL	



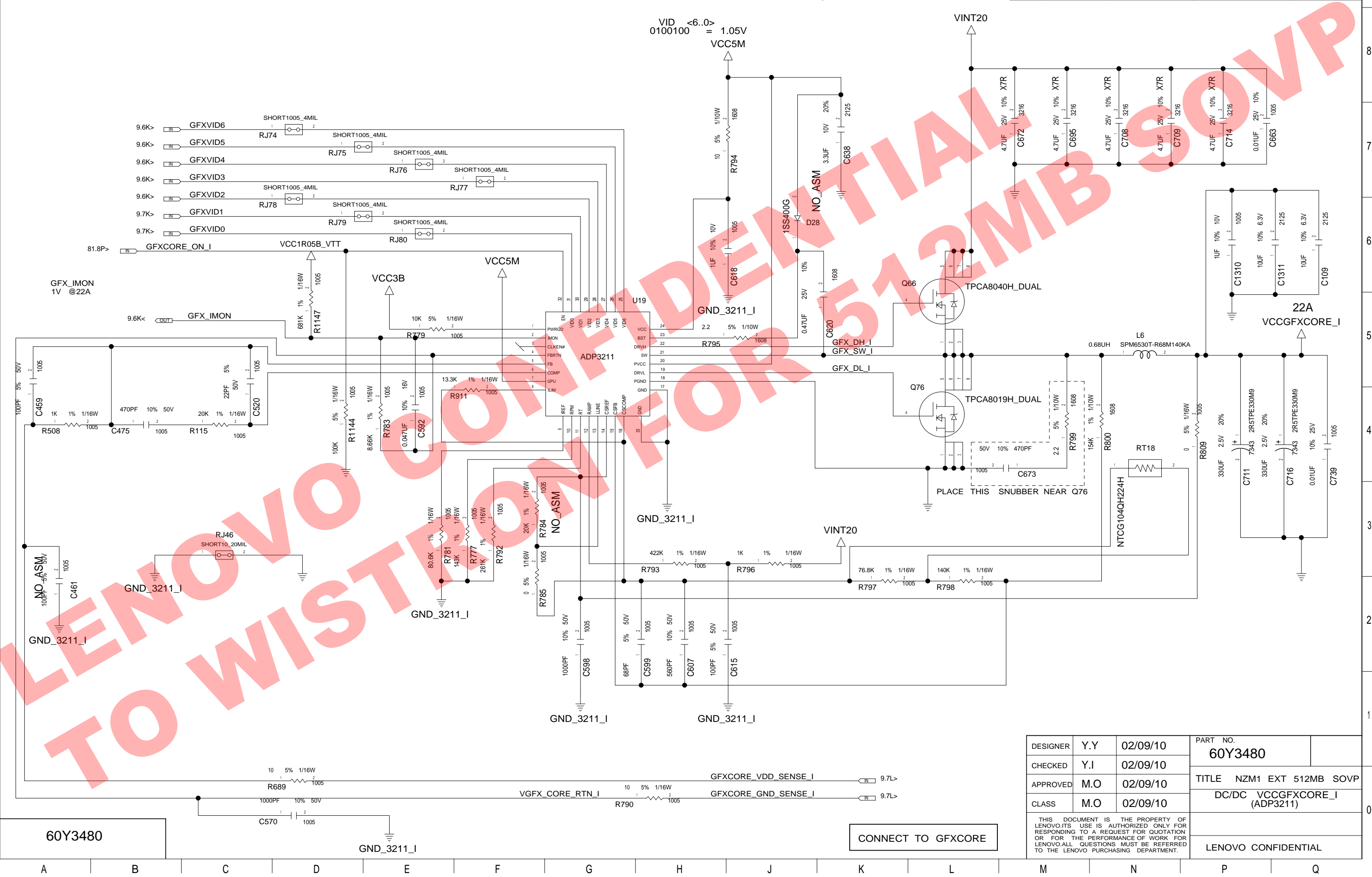
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		DATE		EC NO.		PART NO.					
REL		03/02/10		N62183		60Y3480					
						DEVELOPMENT NO.			Q/M		
									84 / 100		

60Y3480

DESIGNER	Y.Y	02/09/10	PART NO.		
CHECKED	Y.I	02/09/10	60Y3480		
APPROVED	M.O	02/09/10	TITLE NZM1 EXT 512MB SOVP		
CLASS	M.O	02/09/10	VCCCPUCORE DECOUPLING		
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			LENOVO CONFIDENTIAL		

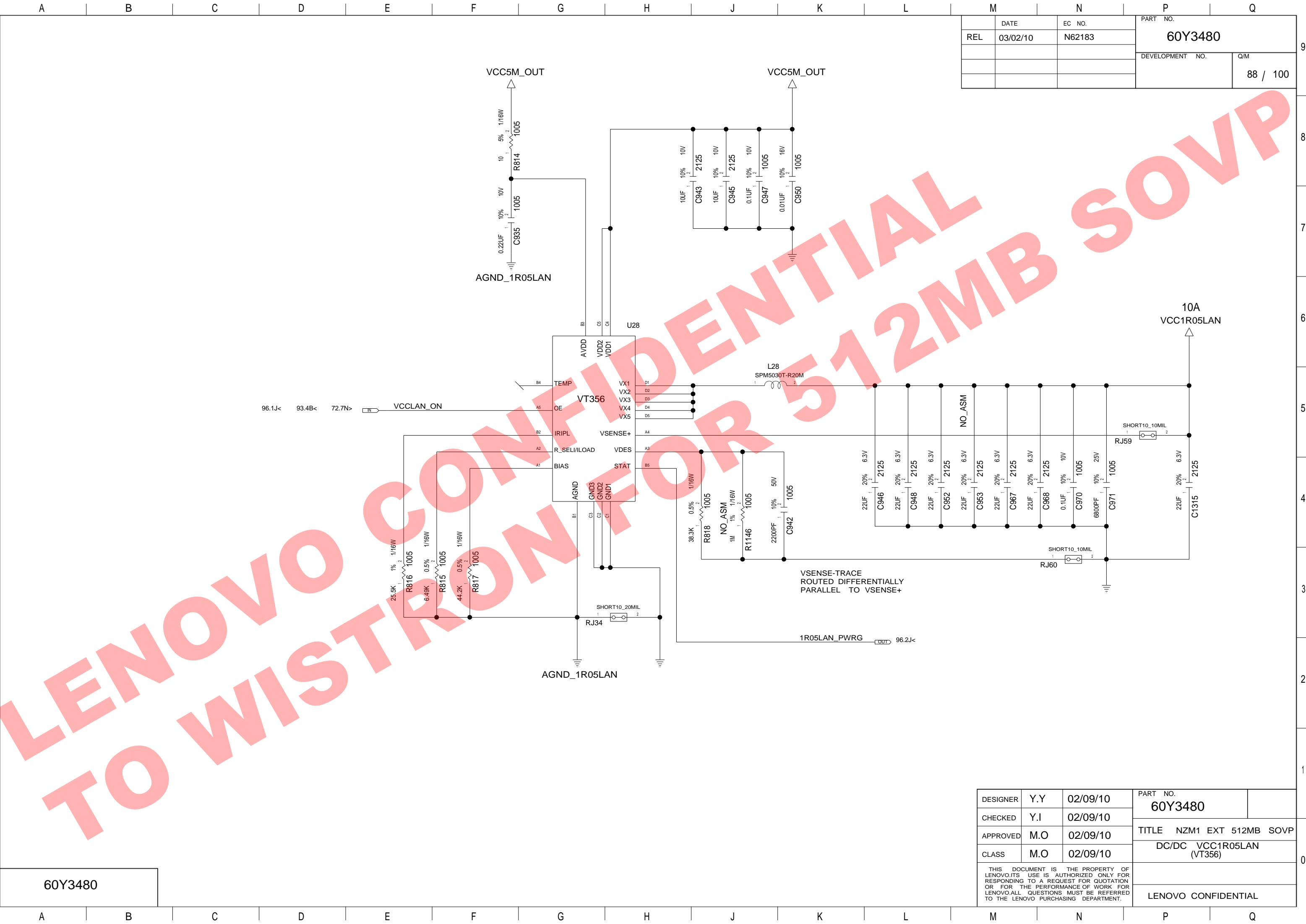
INTEG VCCGFXCORE VOLTAGE
1.NORMAL; 1.05V
2.GRAPHICS RENDER STANDBY MODE; 0.75V

	DATE	EC NO.	PART NO.	
REL	03/02/10	N62183	60Y3480	
			DEVELOPMENT NO.	Q/M
				86 / 100



DESIGNER	Y.Y	02/09/10	PART NO.	
CHECKED	Y.I	02/09/10	60Y3480	
APPROVED	M.O	02/09/10	TITLE NZM1 EXT 512MB SOVP	
CLASS	M.O	02/09/10	DC/DC VCCGFXCORE_I (ADP3211)	
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CONNECT TO GFXCORE

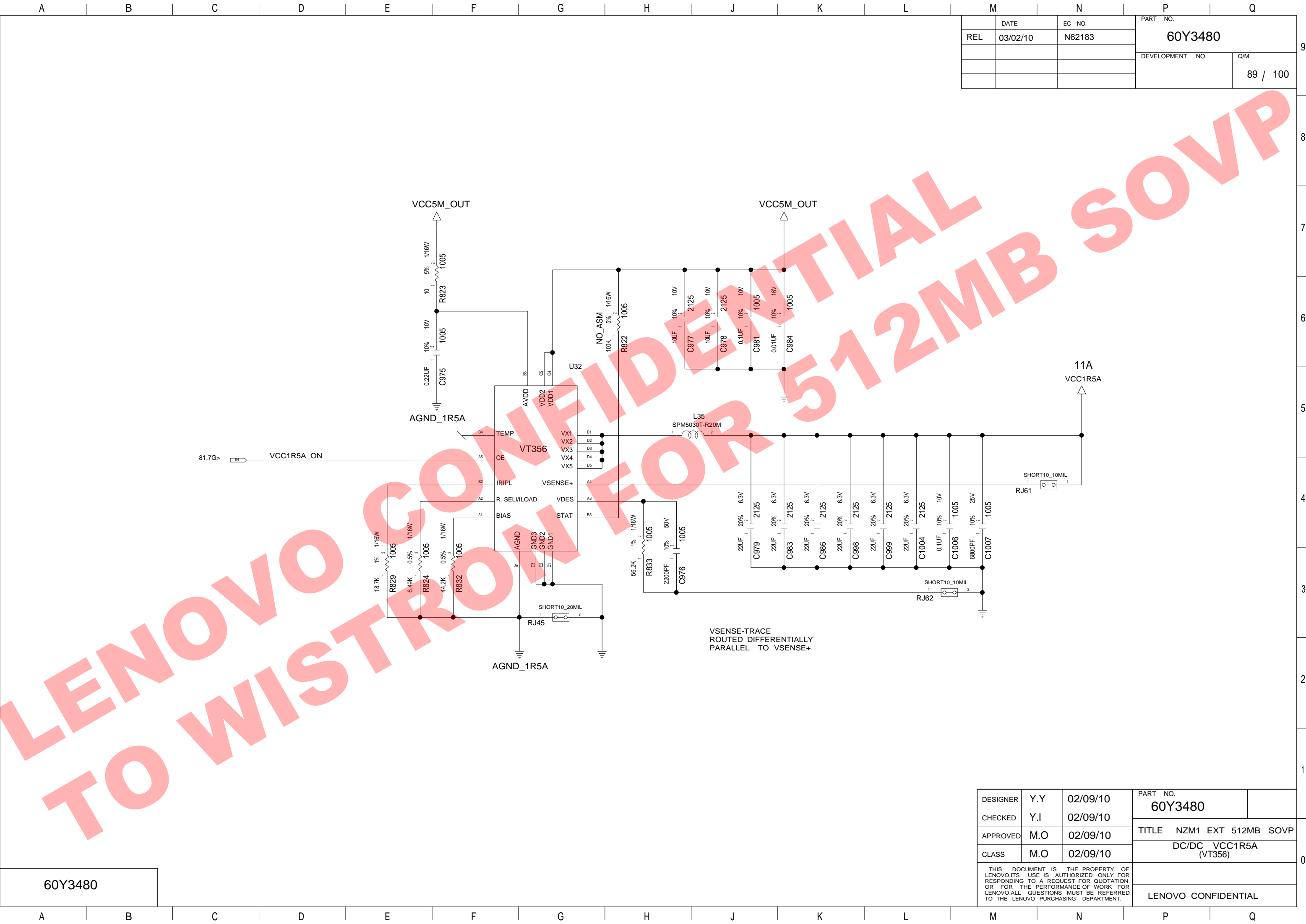


DATE		EC NO.	PART NO.	
REL		03/02/10	N62183	

PART NO.		60Y3480	
DEVELOPMENT NO.		Q/M	
		88 / 100	

DESIGNER	Y.Y	02/09/10	PART NO.	
CHECKED	Y.I	02/09/10	60Y3480	
APPROVED	M.O	02/09/10	TITLE NZM1 EXT 512MB SOVP	
CLASS	M.O	02/09/10	DC/DC VCC1R05LAN (VT356)	
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			LENOVO CONFIDENTIAL	

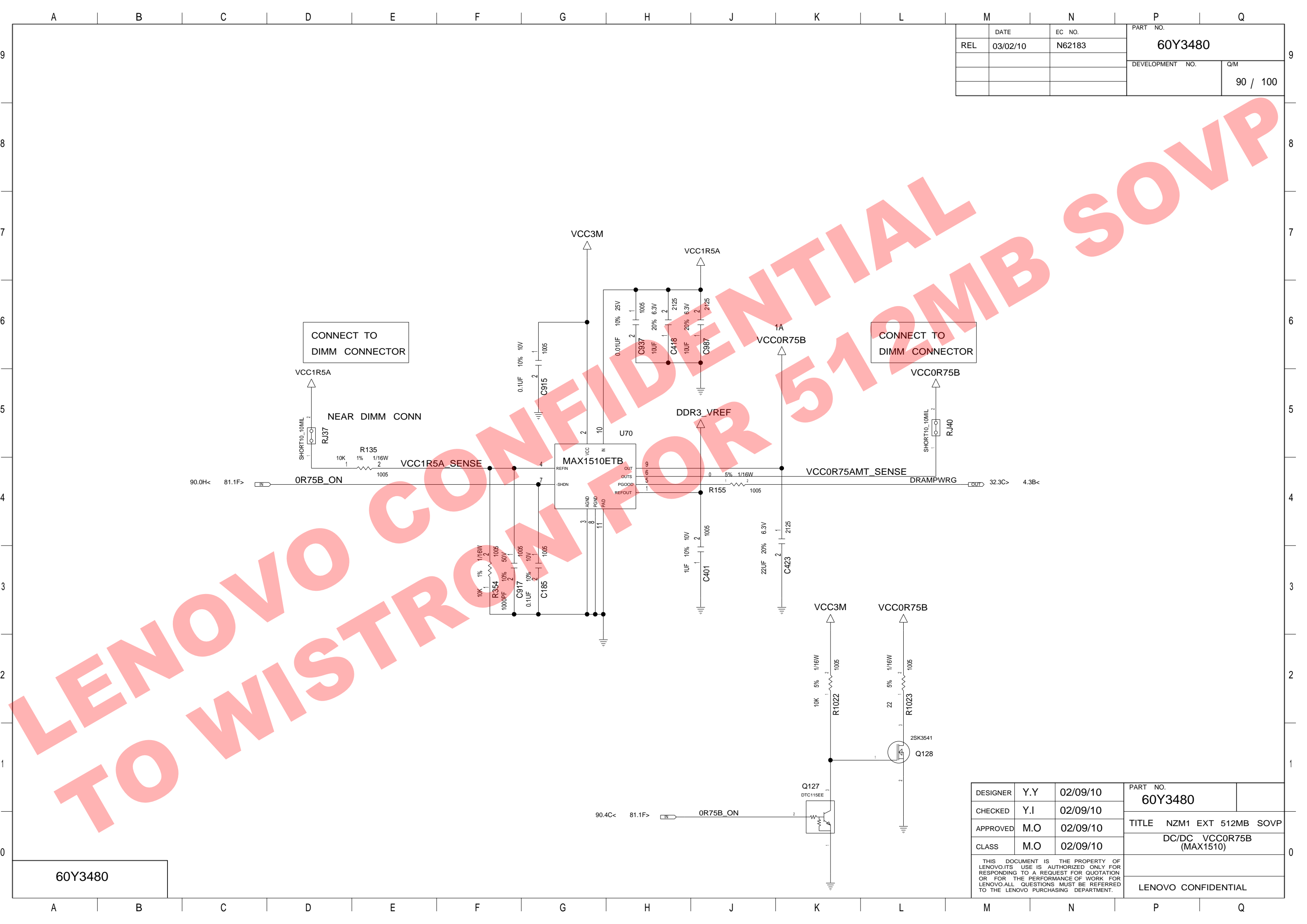
60Y3480



M		N		P		Q	
REL		DATE	03/02/10	EC NO.		PART NO.	
						60Y3480	
						DEVELOPMENT NO.	Q/M
							89 / 100

60Y3480

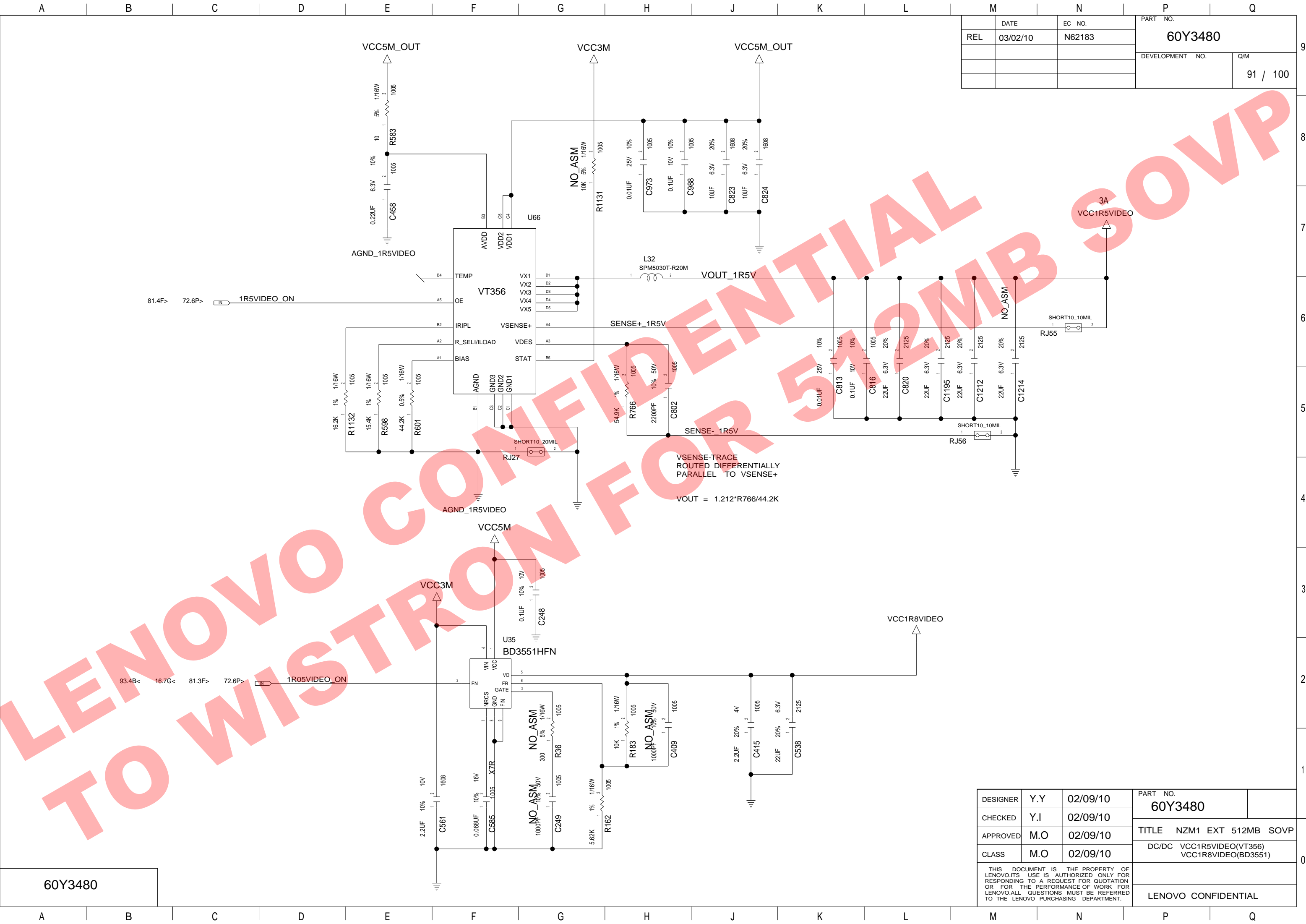
DESIGNER	Y.Y	02/09/10	PART NO.		
CHECKED	Y.I	02/09/10	60Y3480		
APPROVED	M.O	02/09/10	TITLE NZM1 EXT 512MB SOVP		
CLASS	M.O	02/09/10	DC/DC VCC1R5A (VT356)		
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DATE		EC NO.	PART NO. 60Y3480	
REL	03/02/10	N62183		
			DEVELOPMENT NO.	Q/M
				90 / 100

DESIGNER	Y.Y	02/09/10	PART NO. 60Y3480	
CHECKED	Y.I	02/09/10		
APPROVED	M.O	02/09/10	TITLE NZM1 EXT 512MB SOVP	
CLASS	M.O	02/09/10	DC/DC VCC0R75B (MAX1510)	
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			LENOVO CONFIDENTIAL	

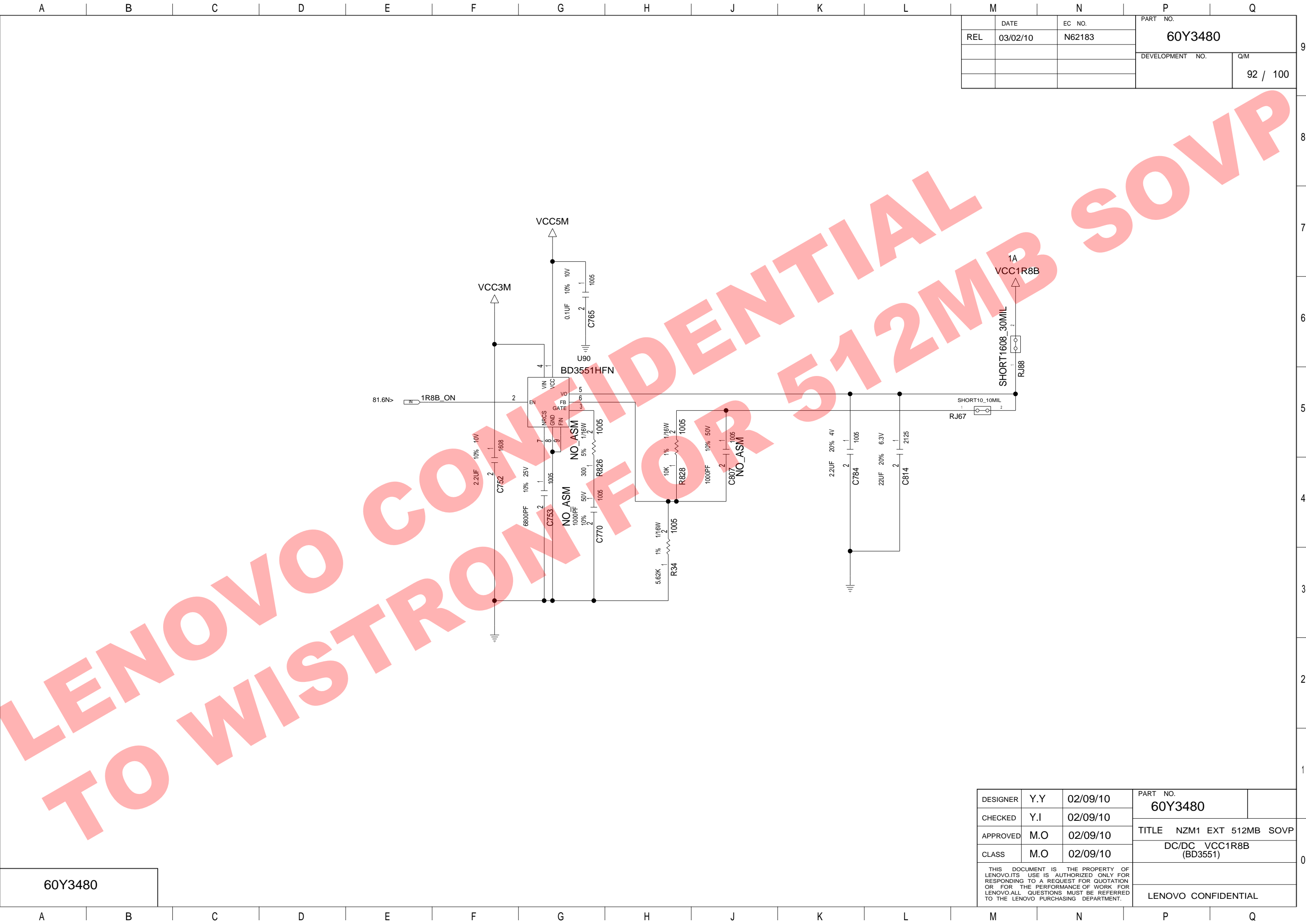
60Y3480



	DATE	EC NO.	PART NO.	
REL	03/02/10	N62183	60Y3480	
			DEVELOPMENT NO.	Q/M
				91 / 100

60Y3480

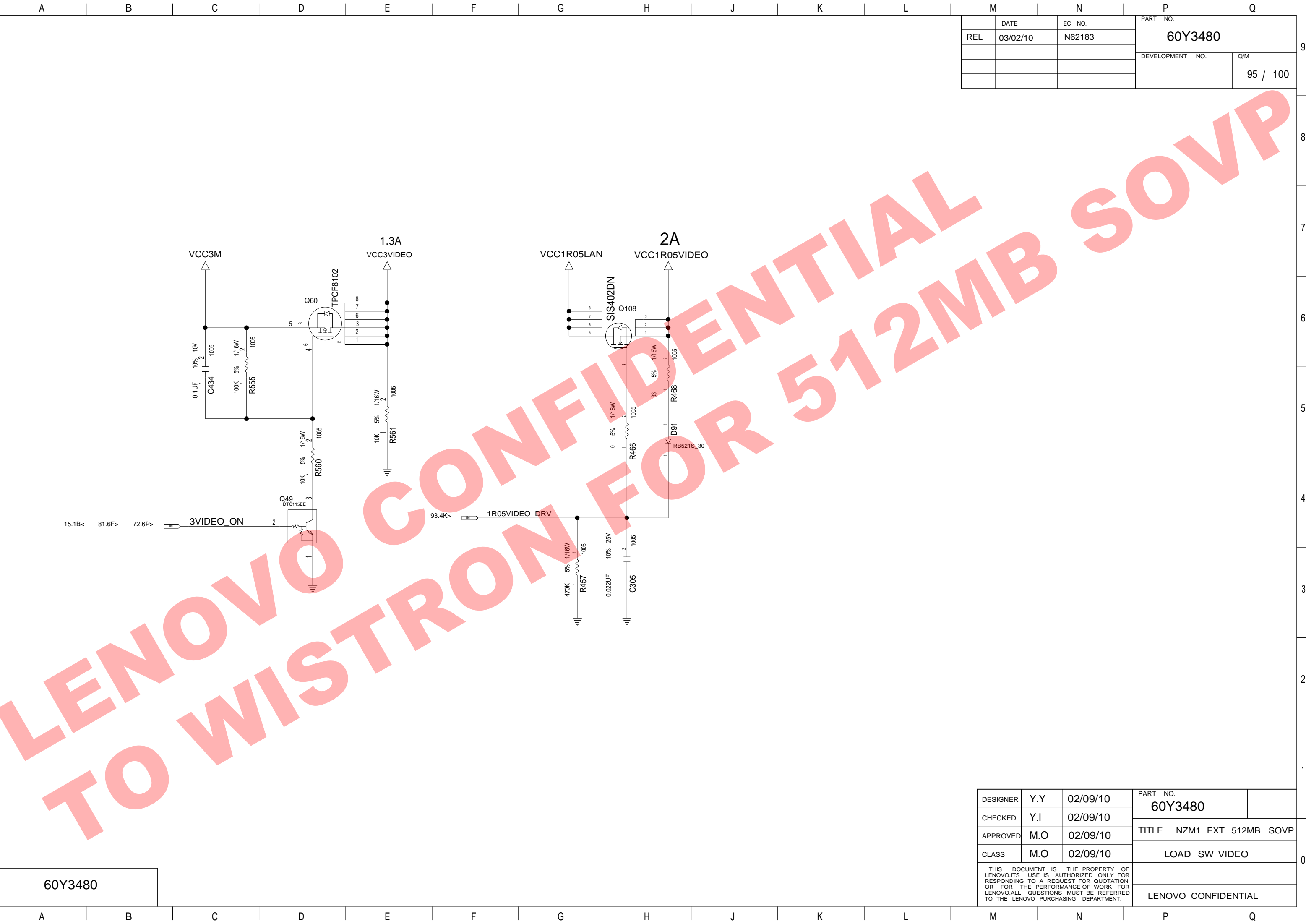
DESIGNER	Y.Y	02/09/10	PART NO.	
CHECKED	Y.I	02/09/10	60Y3480	
APPROVED	M.O	02/09/10	TITLE NZM1 EXT 512MB SOVP	
CLASS	M.O	02/09/10	DC/DC VCC1R5VIDEO(VT356) VCC1R8VIDEO(BD3551)	
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		M		N		P		Q	
		DATE		EC NO.		PART NO.			
REL		03/02/10		N62183		60Y3480			
						DEVELOPMENT NO.		Q/M	
								92 / 100	

60Y3480

DESIGNER	Y.Y	02/09/10	PART NO.		60Y3480			
CHECKED	Y.I	02/09/10						
APPROVED	M.O	02/09/10	TITLE NZM1 EXT 512MB SOVP					
CLASS	M.O	02/09/10	DC/DC VCC1R8B (BD3551)					
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DATE		EC NO.	PART NO. 60Y3480	
REL	03/02/10	N62183		
			DEVELOPMENT NO.	Q/M
				95 / 100

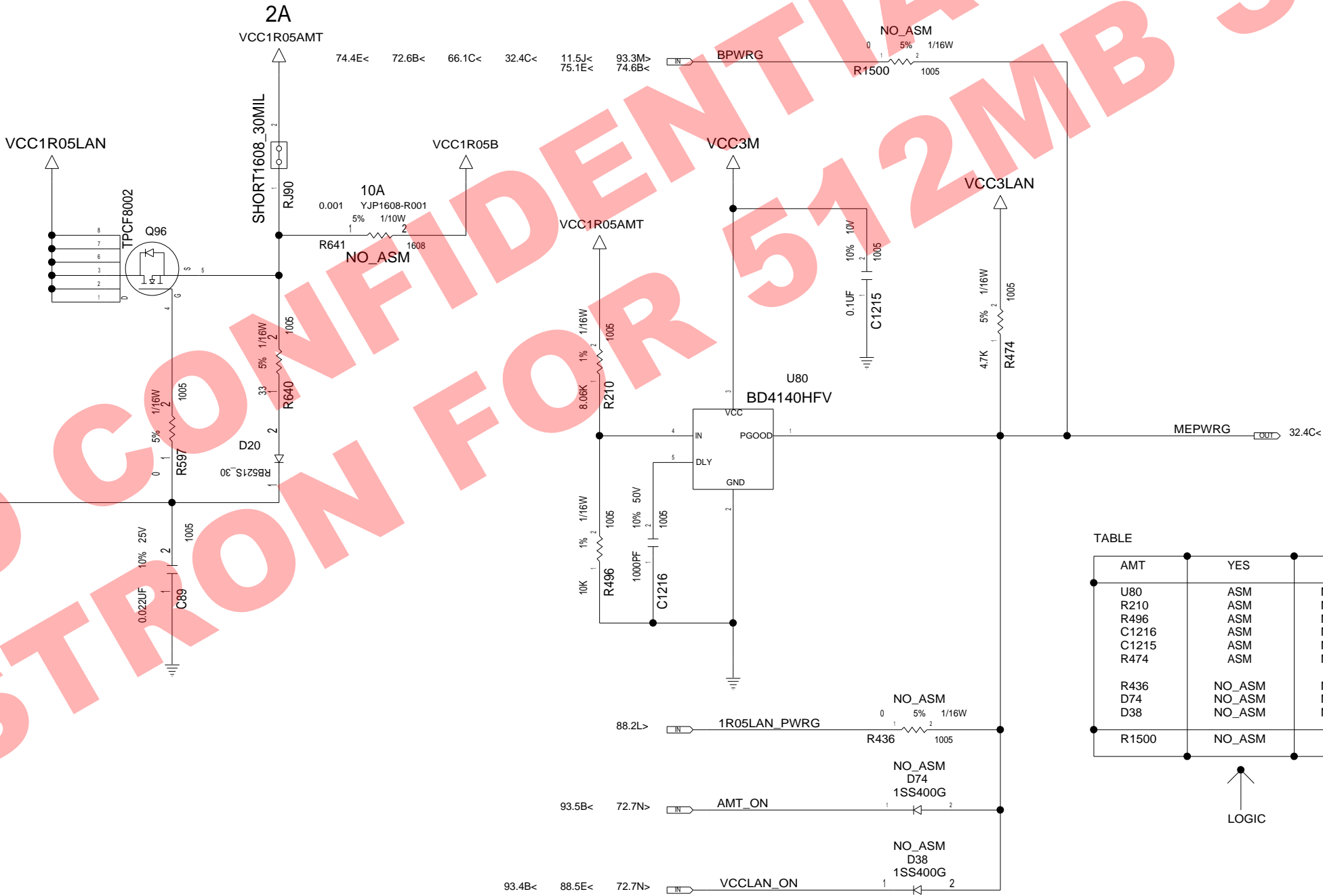
60Y3480

DESIGNER	Y.Y	02/09/10	PART NO. 60Y3480	
CHECKED	Y.I	02/09/10	TITLE NZM1 EXT 512MB SOVP	
APPROVED	M.O	02/09/10		
CLASS	M.O	02/09/10	LOAD SW VIDEO	
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			LENOVO CONFIDENTIAL	

	DATE	EC NO.	PART NO. 60Y3480	
REL	03/02/10	N62183		
			DEVELOPMENT NO.	Q/M
				96 / 100

TABLE		
AMT	YES	NO
Q96	ASM	NO_ASM
R597	ASM	NO_ASM
R640	ASM	NO_ASM
D20	ASM	NO_ASM
R547	ASM	NO_ASM
C89	ASM	NO_ASM
R641	NO_ASM	ASM

LOGIC

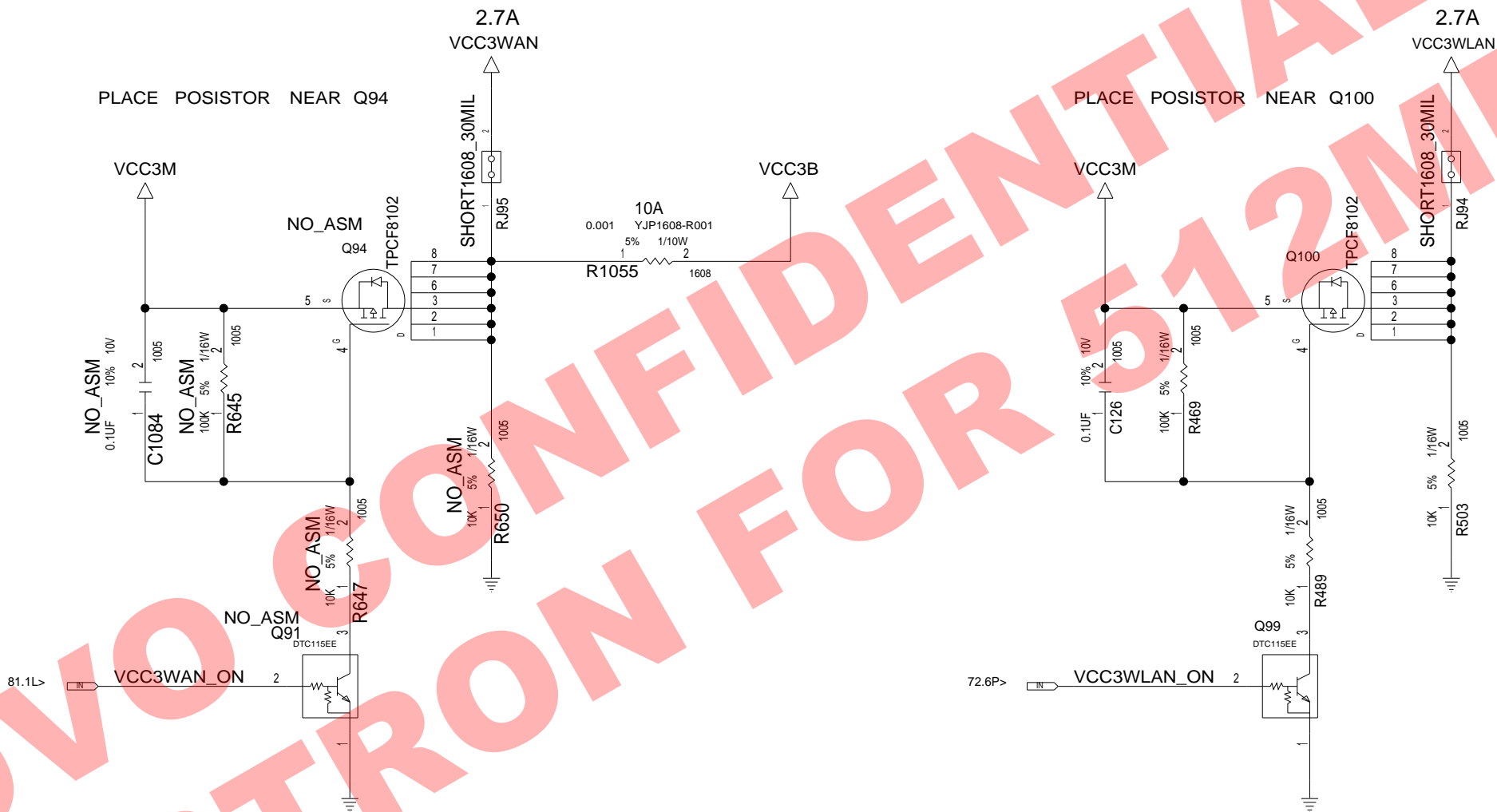


AMT	YES	NO
U80	ASM	NO_ASM
R210	ASM	NO_ASM
R496	ASM	NO_ASM
C1216	ASM	NO_ASM
C1215	ASM	NO_ASM
R474	ASM	NO_ASM
R436	NO_ASM	NO_ASM
D74	NO_ASM	NO_ASM
D38	NO_ASM	NO_ASM
R1500	NO_ASM	ASM

LOGIC

DESIGNER	Y.Y	02/09/10	PART NO. 60Y3480	
CHECKED	Y.I	02/09/10		
APPROVED	M.O	02/09/10	TITLE NZM1 EXT 512MB SOVP	
CLASS	M.O	02/09/10	LOAD SW AMT / MEPWRG	
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			LENOVO CONFIDENTIAL	

	DATE	EC NO.	PART NO.	
REL	03/02/10	N62183	60Y3480	
			DEVELOPMENT NO.	Q/M
				99 / 100



CONSTANT CONNECT	VER.2	VER.1/NO
R1055	NO_ASM	ASM
Q94	ASM	NO_ASM
R650	ASM	NO_ASM
R645	ASM	NO_ASM
C1084	ASM	NO_ASM
R647	ASM	NO_ASM
Q91	ASM	NO_ASM

LOGIC

DESIGNER	Y.Y	02/09/10	PART NO.	60Y3480
CHECKED	Y.I	02/09/10	TITLE NZM1 EXT 512MB SOVP	
APPROVED	M.O	02/09/10	LOAD SW WAN & WLAN	
CLASS	M.O	02/09/10	LENovo CONFIDENTIAL	
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