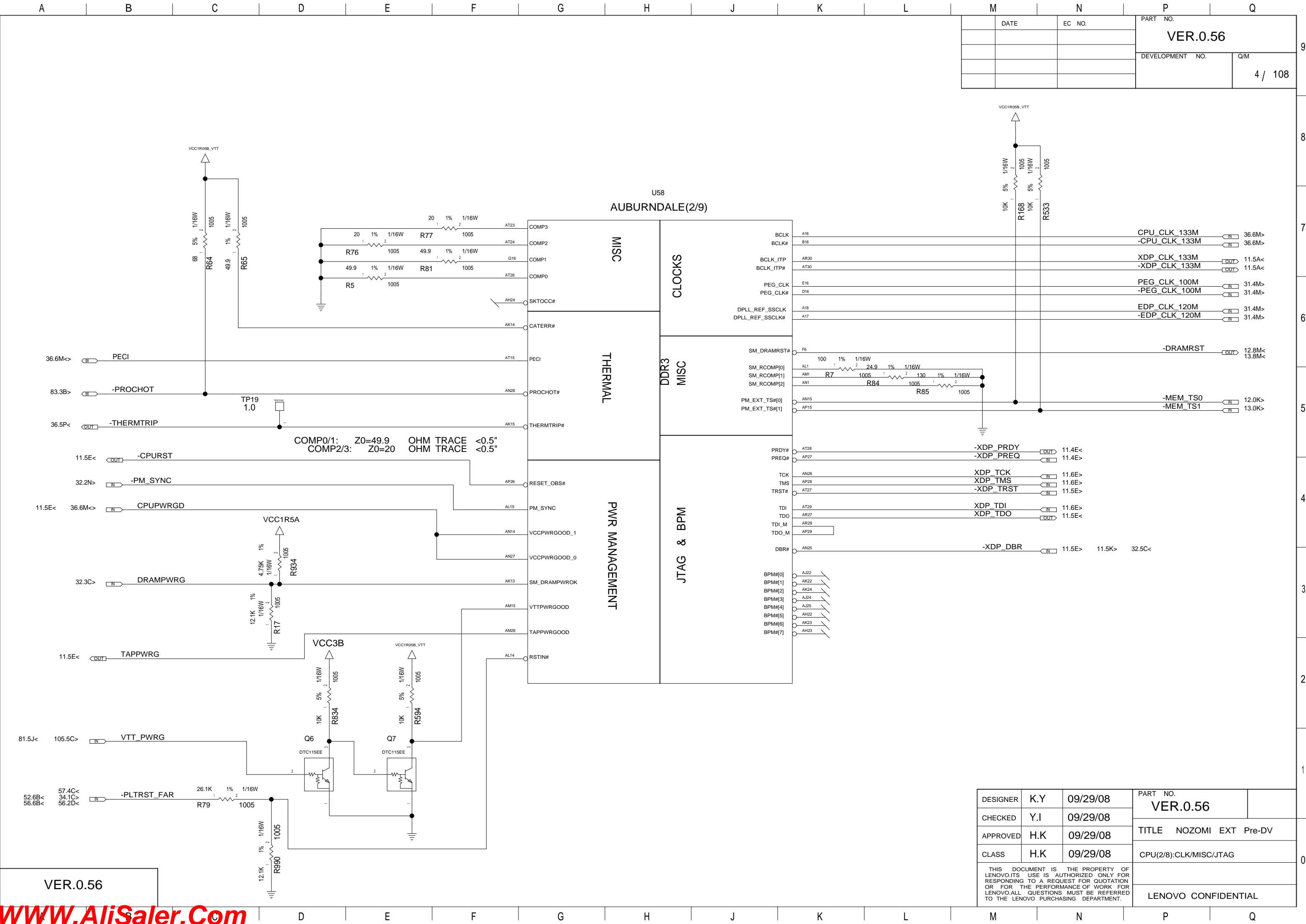
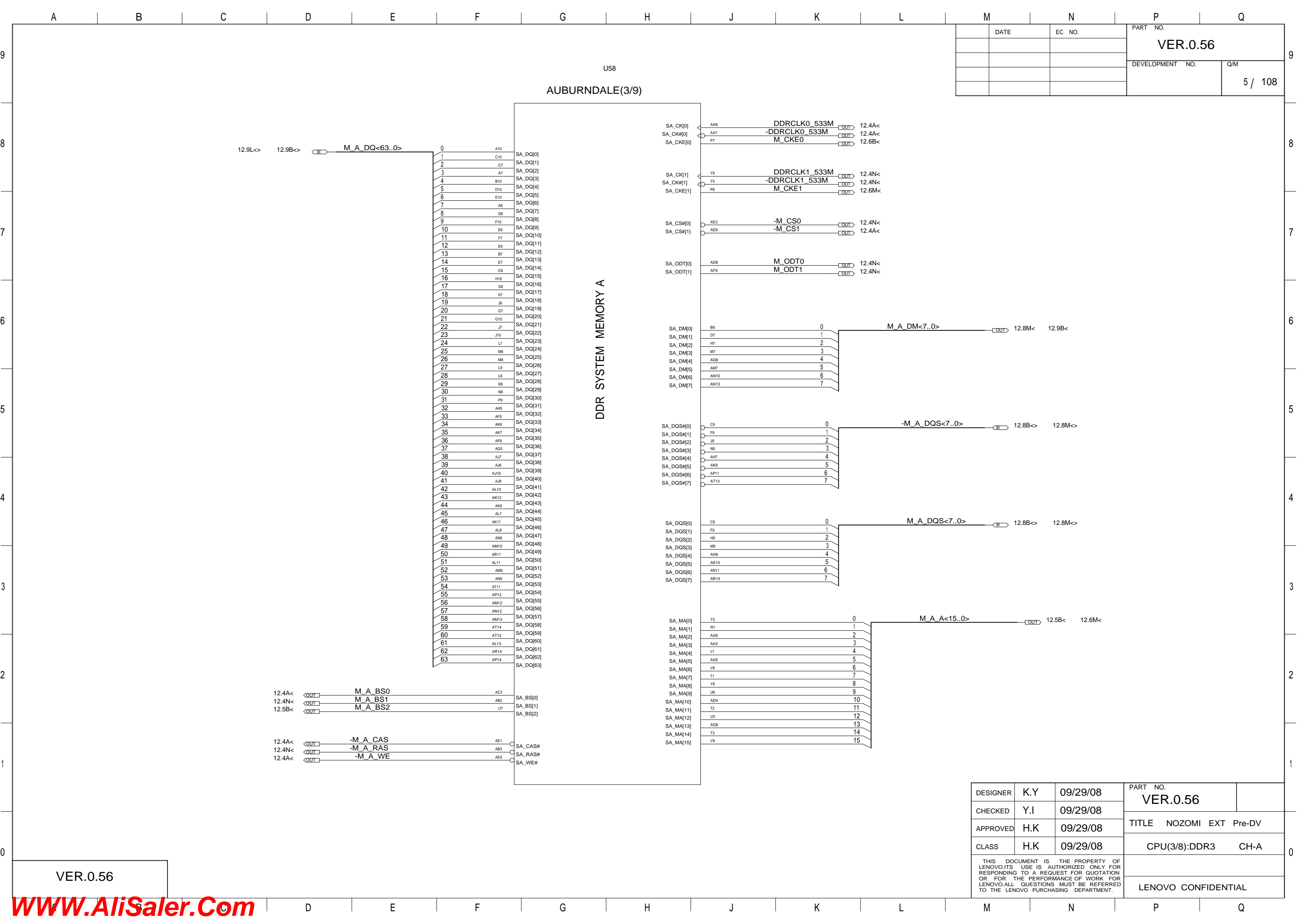


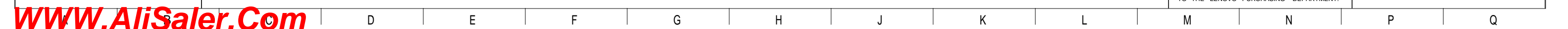
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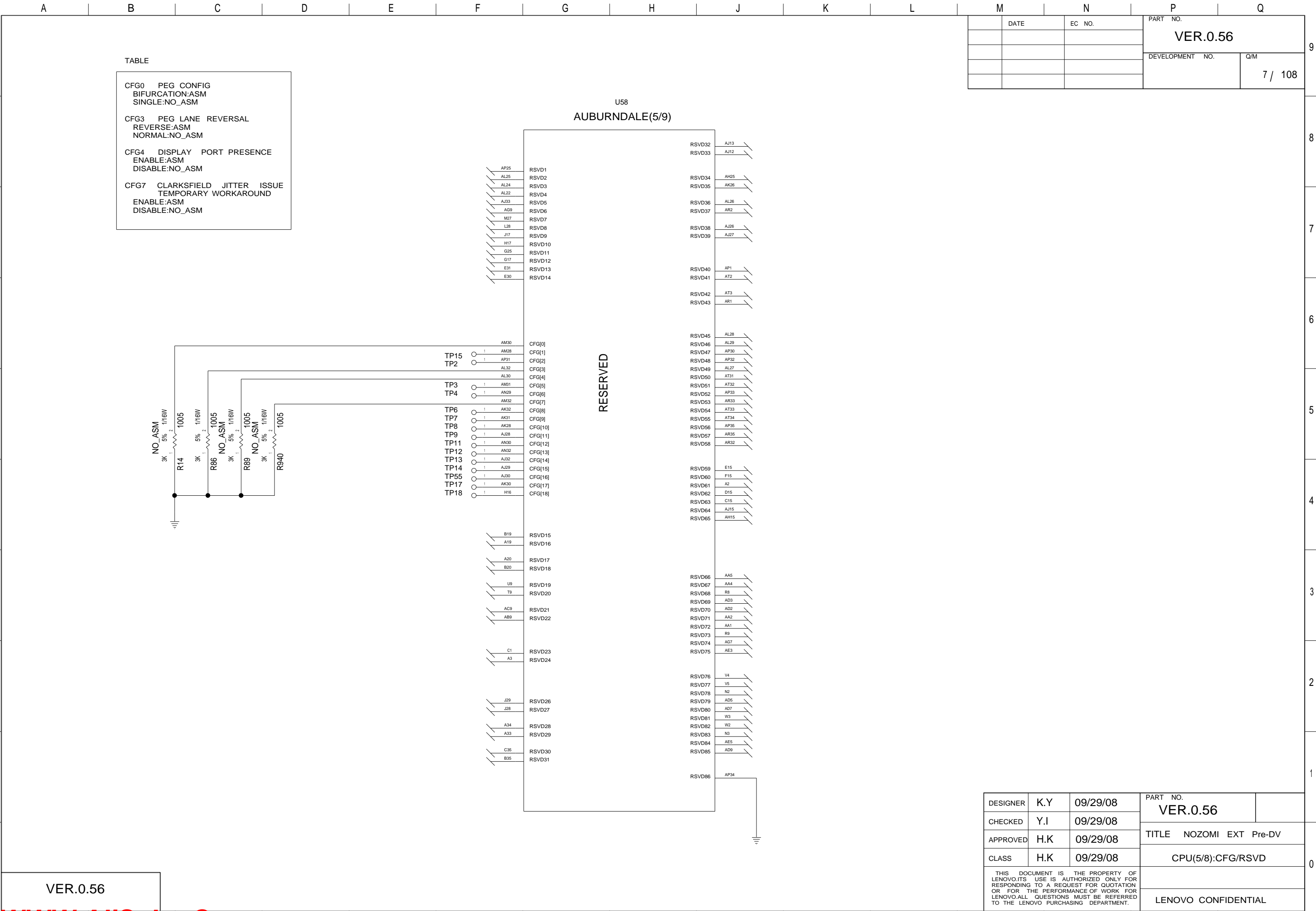


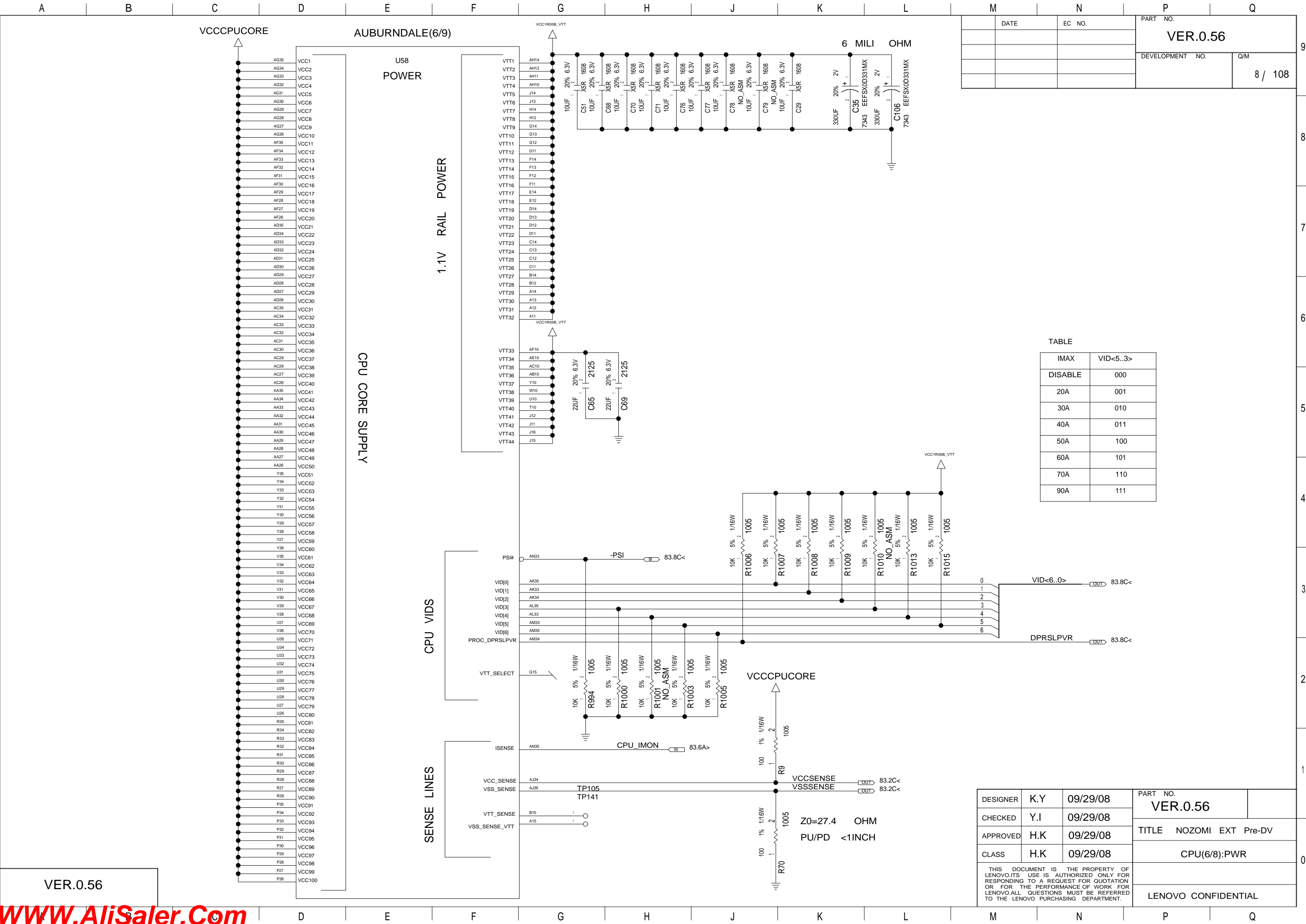


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APPROVED	H.K	09/29/08	TITLE NOZOMI EXT Pre-DV	
CLASS	H.K	09/29/08	CPU(2/8):CLK/MISC/JTAG	
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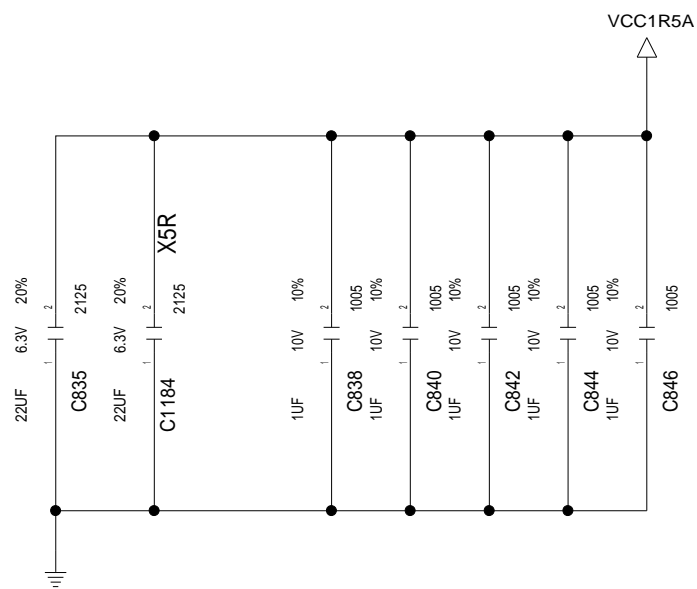
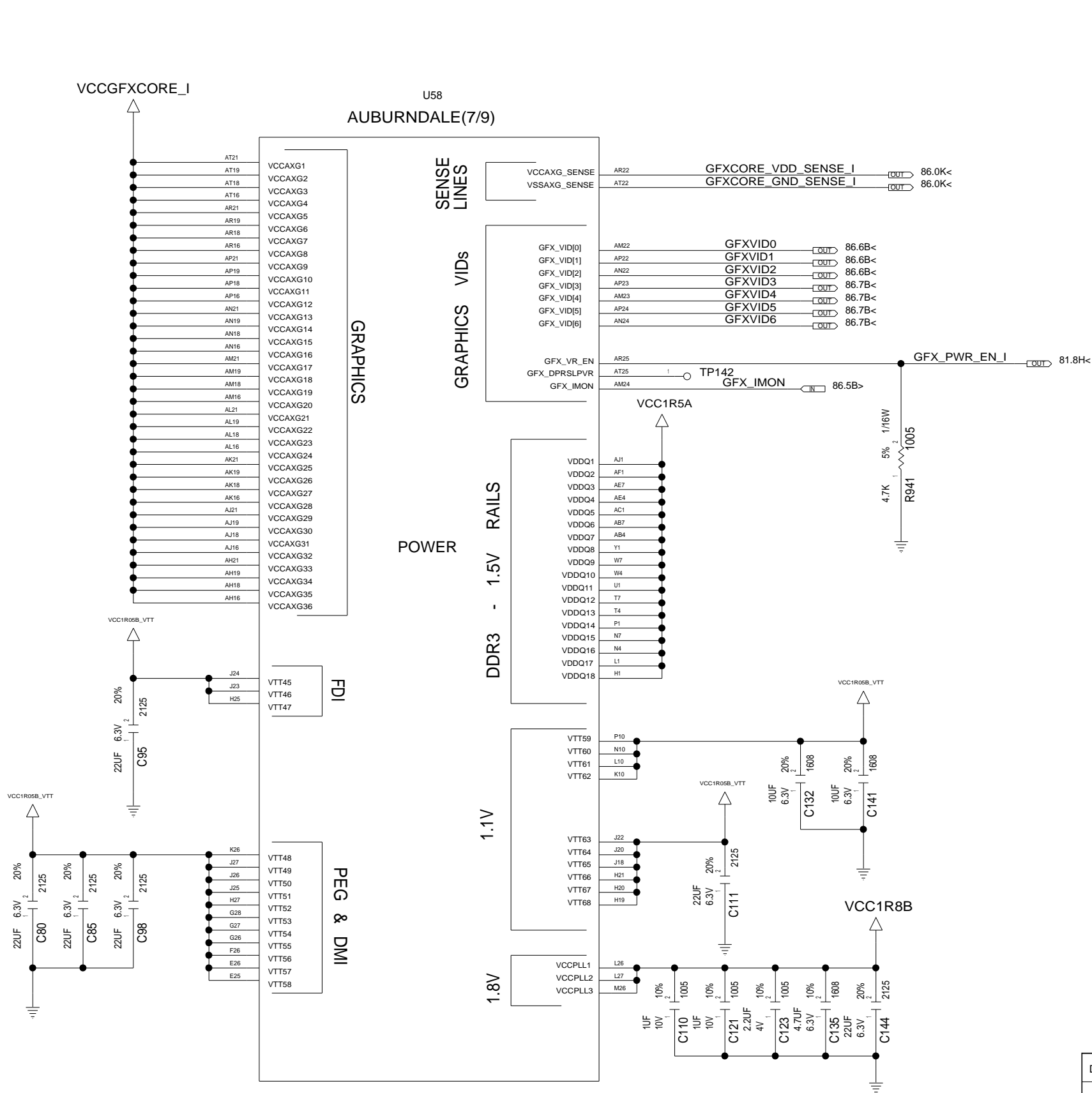
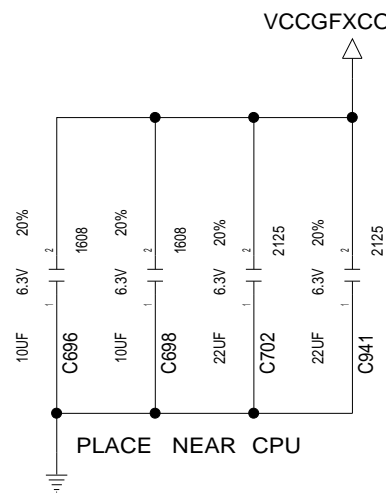




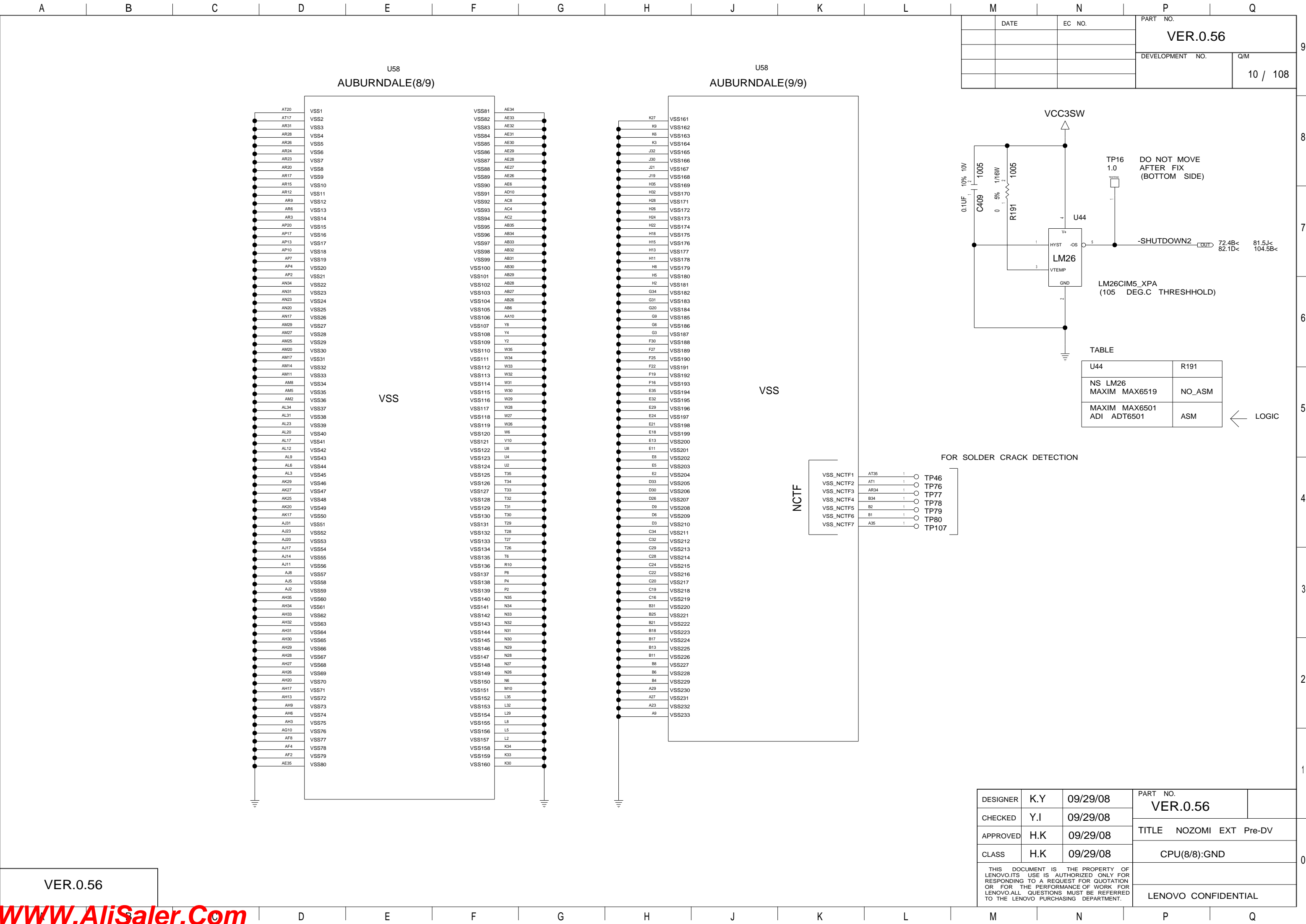


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CHECKED	Y.I	09/29/08	TITLE	NOZOMI EXT Pre-DV
APPROVED	H.K	09/29/08		
CLASS	H.K	09/29/08		
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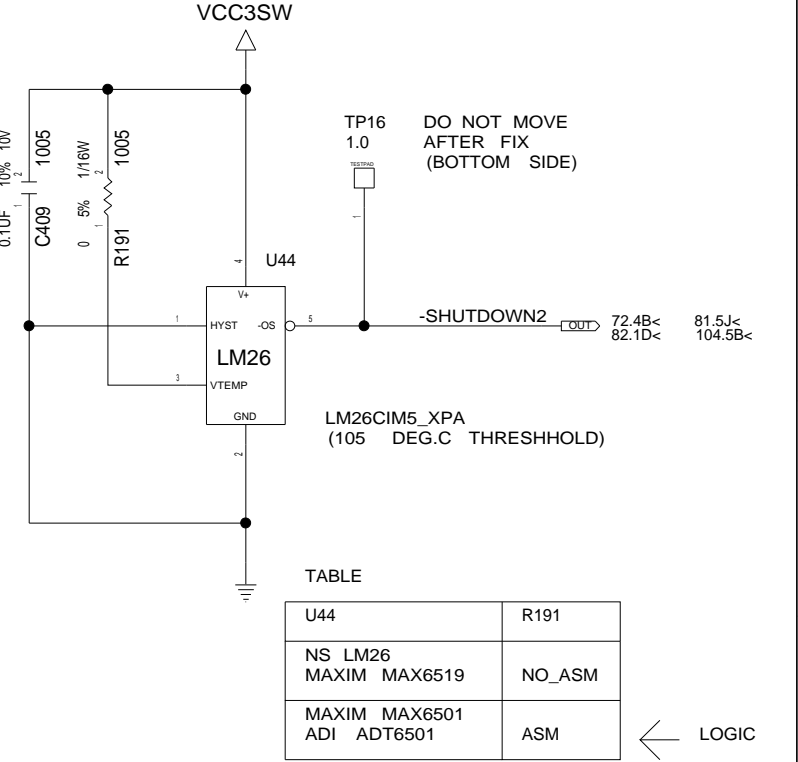
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						9 / 108	



DESIGNER	K.Y	09/29/08	PART NO. VER.0.56	
CHECKED	Y.I	09/29/08		
APPROVED	H.K	09/29/08	TITLE NOZOMI EXT Pre-DV	
CLASS	H.K	09/29/08	CPU(7/8):GFX/PWR	
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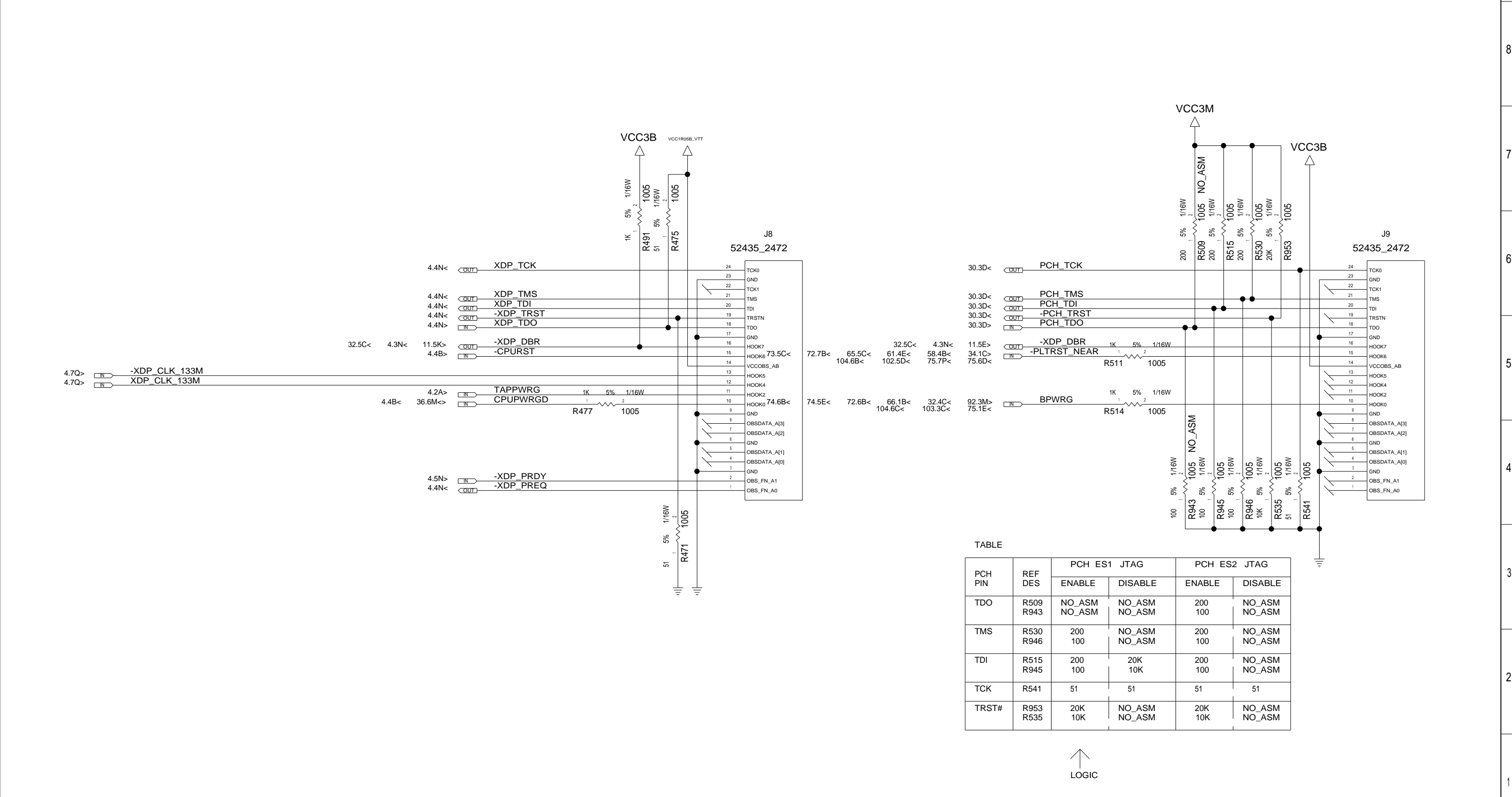
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			VER.0.56	
			DEVELOPMENT NO.	Q/M
				10 / 108



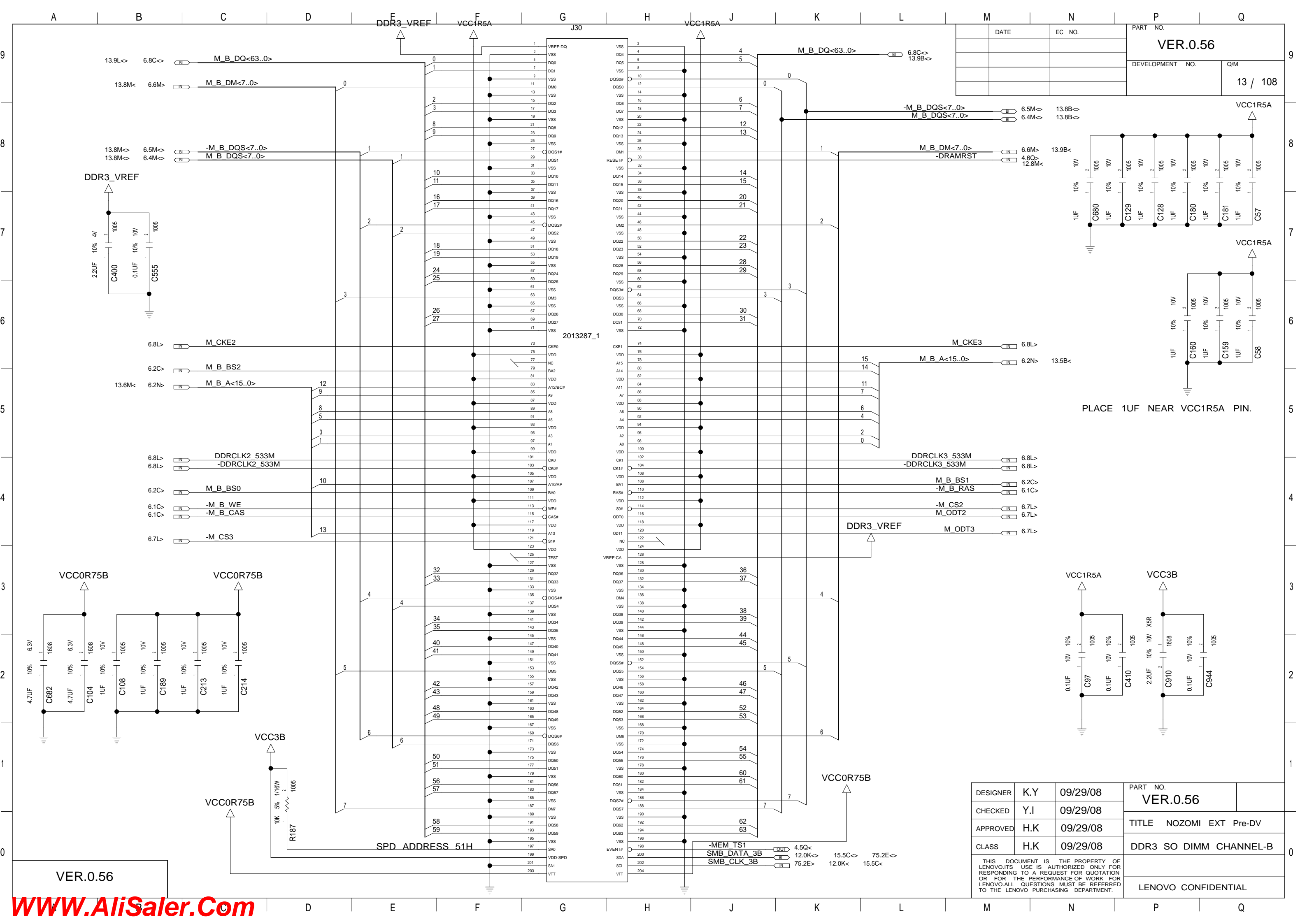
FOR SOLDER CRACK DETECTION

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VSS_NCTF2	AT1	1	TP76
VSS_NCTF3	AR34	1	TP77
VSS_NCTF4	B34	1	TP78
VSS_NCTF5	B2	1	TP79
VSS_NCTF6	B1	1	TP80
VSS_NCTF7	A35	1	TP107

DESIGNER	K.Y	09/29/08	PART NO.	
CHECKED	Y.I	09/29/08	VER.0.56	
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CLASS	H.K	09/29/08	CPU(8/8):GND	
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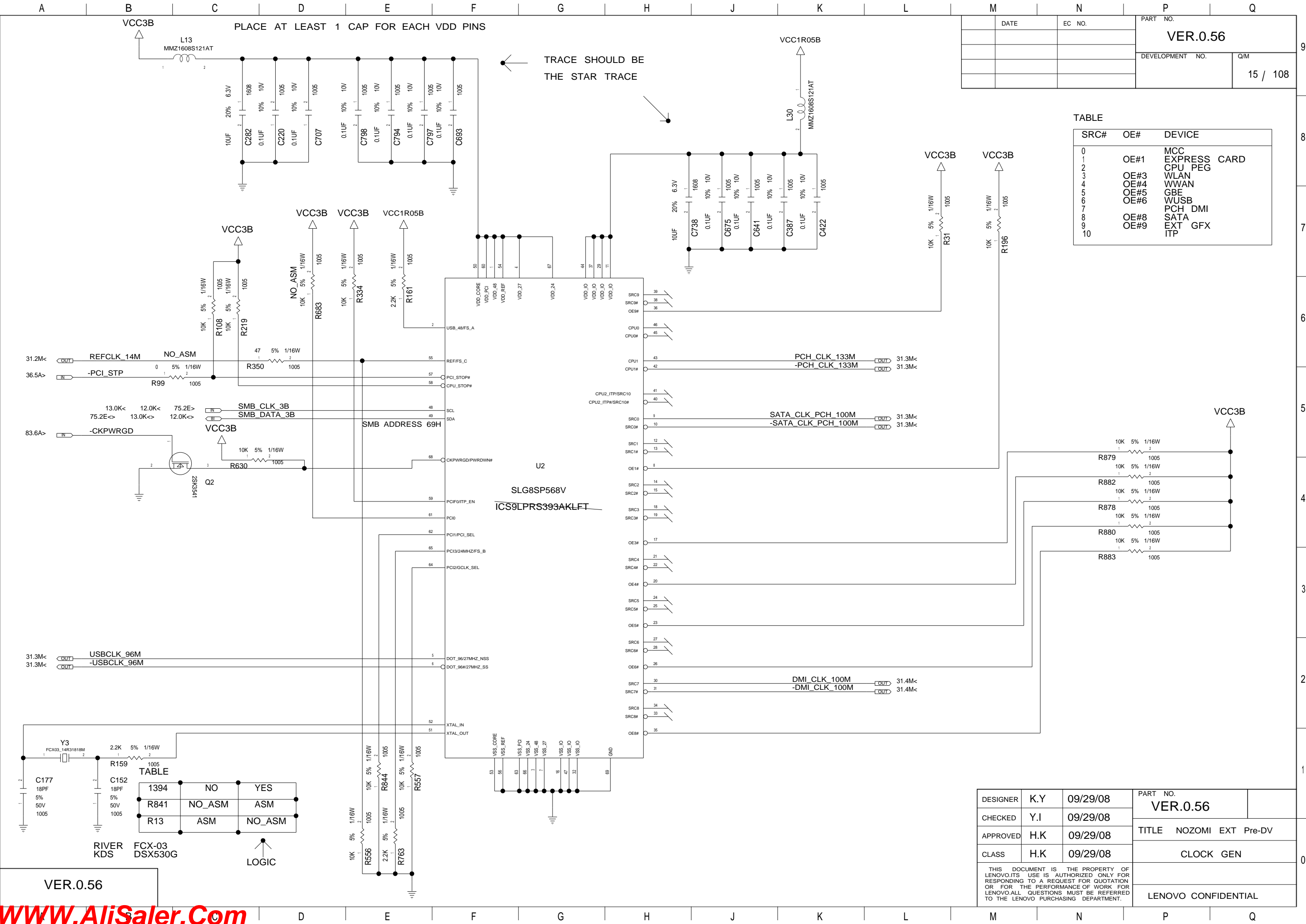




DATE	EC NO.	PART NO.	
		VER.0.56	
		DEVELOPMENT NO.	Q/M
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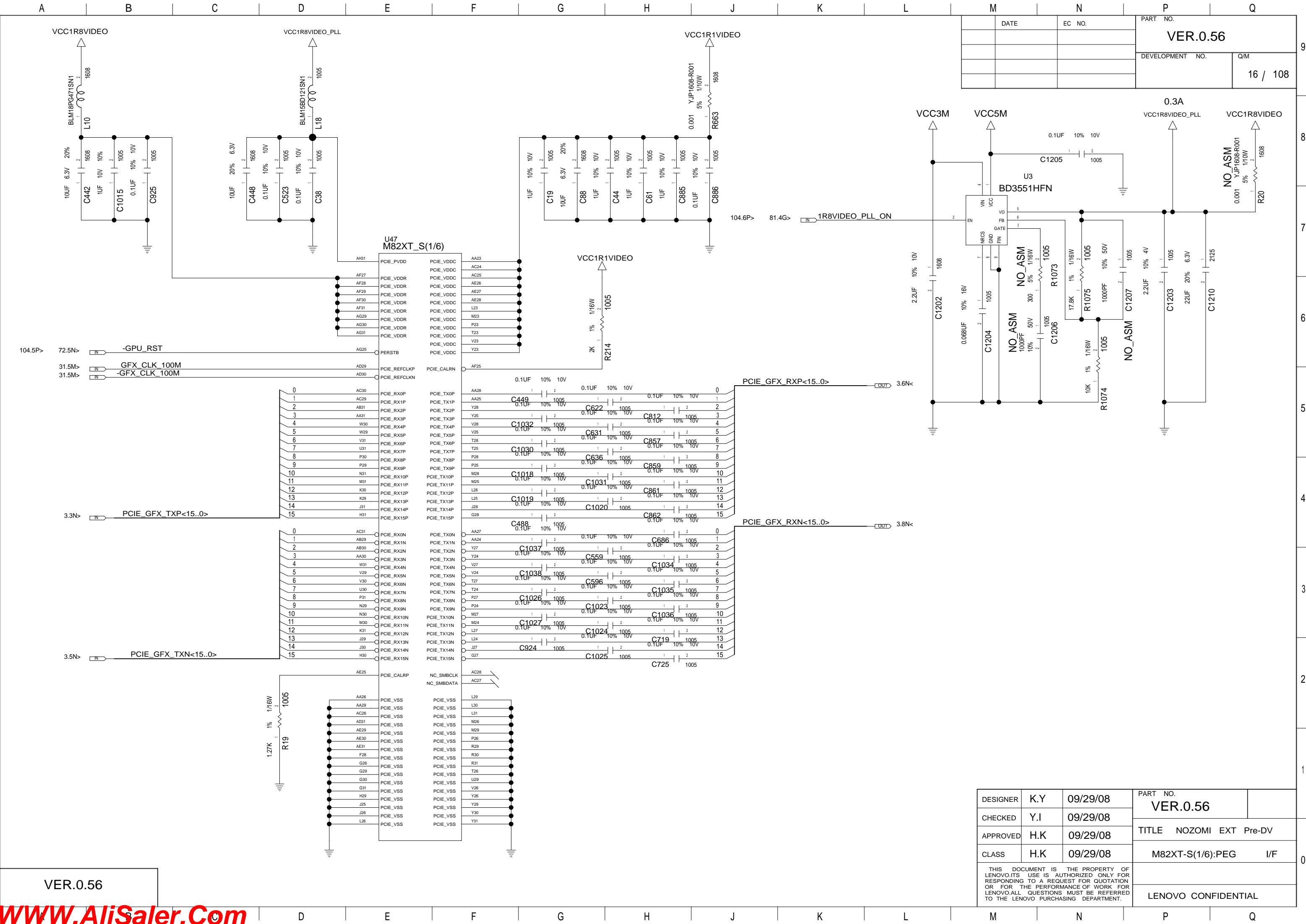
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APPROVED	H.K	09/29/08	TITLE NOZOMI EXT Pre-DV	
CLASS	H.K	09/29/08	DDR3 SO DIMM CHANNEL-B	
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				VER.0.56	
				DEVELOPMENT NO.	
				Q/M	
				15 / 108	

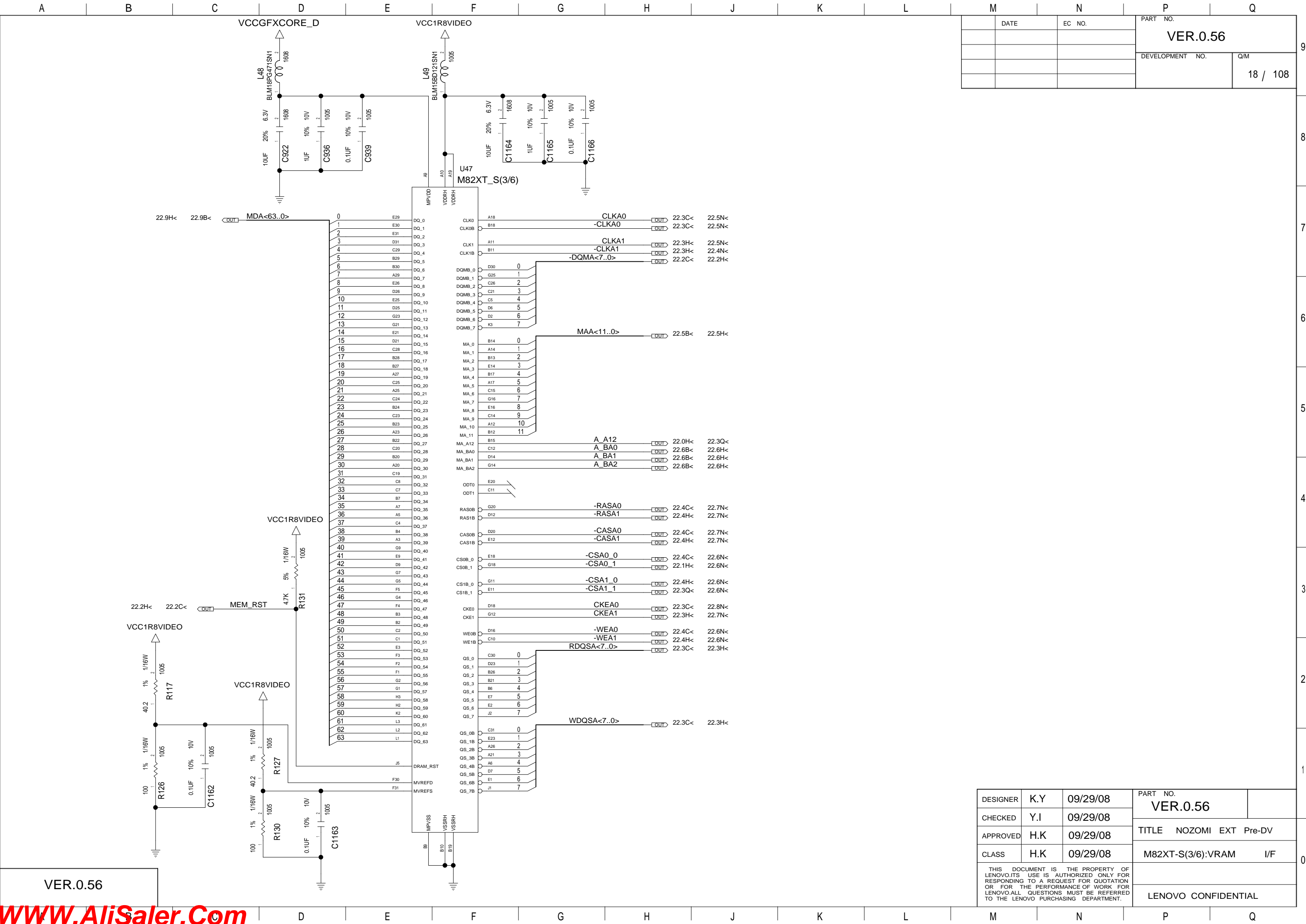
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1	OE#1	EXPRESS CARD
2		CPU_PEG
3	OE#3	WLAN
4	OE#4	WWAN
5	OE#5	GBE
6	OE#6	WUSB
7		PCH_DMI
8	OE#8	SATA
9	OE#9	EXT GFX
10		ITP



DESIGNER	K.Y	09/29/08	PART NO.	
CHECKED	Y.I	09/29/08	VER.0.56	
APPROVED	H.K	09/29/08	TITLE NOZOMI EXT Pre-DV	
CLASS	H.K	09/29/08	M82XT-S(1/6):PEG	I/F
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DATE		EC NO.		PART NO.	
				VER.0.56	
				DEVELOPMENT NO.	
				Q/M	
				18 / 108	

DESIGNER	K.Y	09/29/08	PART NO.	
CHECKED	Y.I	09/29/08	VER.0.56	
APPROVED	H.K	09/29/08	TITLE NOZOMI EXT Pre-DV	
CLASS	H.K	09/29/08	M82XT-S(3/6):VRAM I/F	
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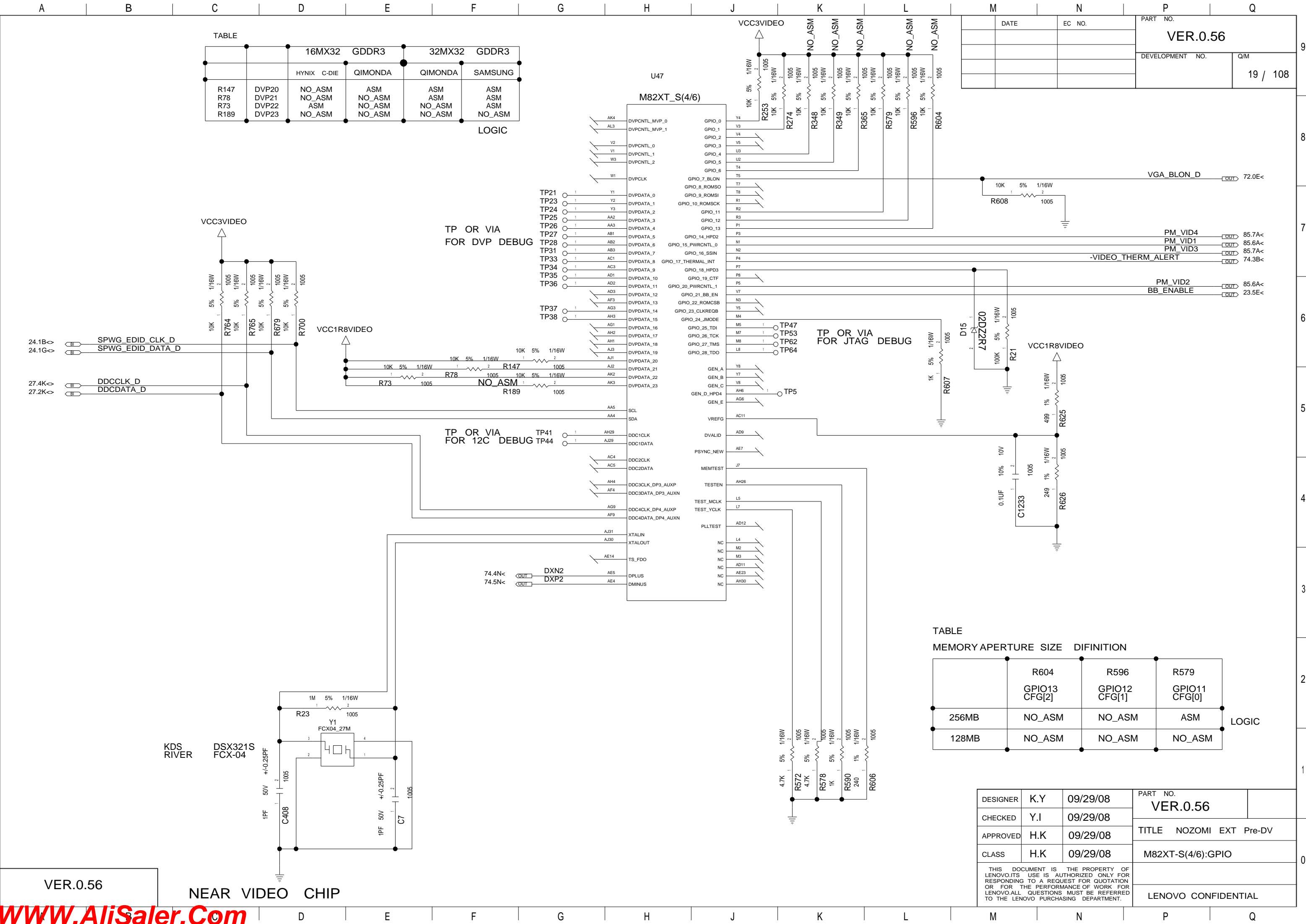


TABLE					
	16MX32	GDDR3	32MX32	GDDR3	
	HYNIX	C-DIE	QIMONDA	QIMONDA	SAMSUNG
R147	DVP20	NO_ASM	ASM	ASM	ASM
R78	DVP21	NO_ASM	NO_ASM	ASM	ASM
R73	DVP22	ASM	NO_ASM	ASM	ASM
R189	DVP23	NO_ASM	NO_ASM	NO_ASM	NO_ASM

LOGIC

DATE		EC NO.		PART NO.	
				VER.0.56	
				DEVELOPMENT NO.	
				Q/M	
				19 / 108	

PM_VID4	85.7A<
PM_VID1	85.6A<
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PM_VID2	85.6A<
BB_ENABLE	23.5E<

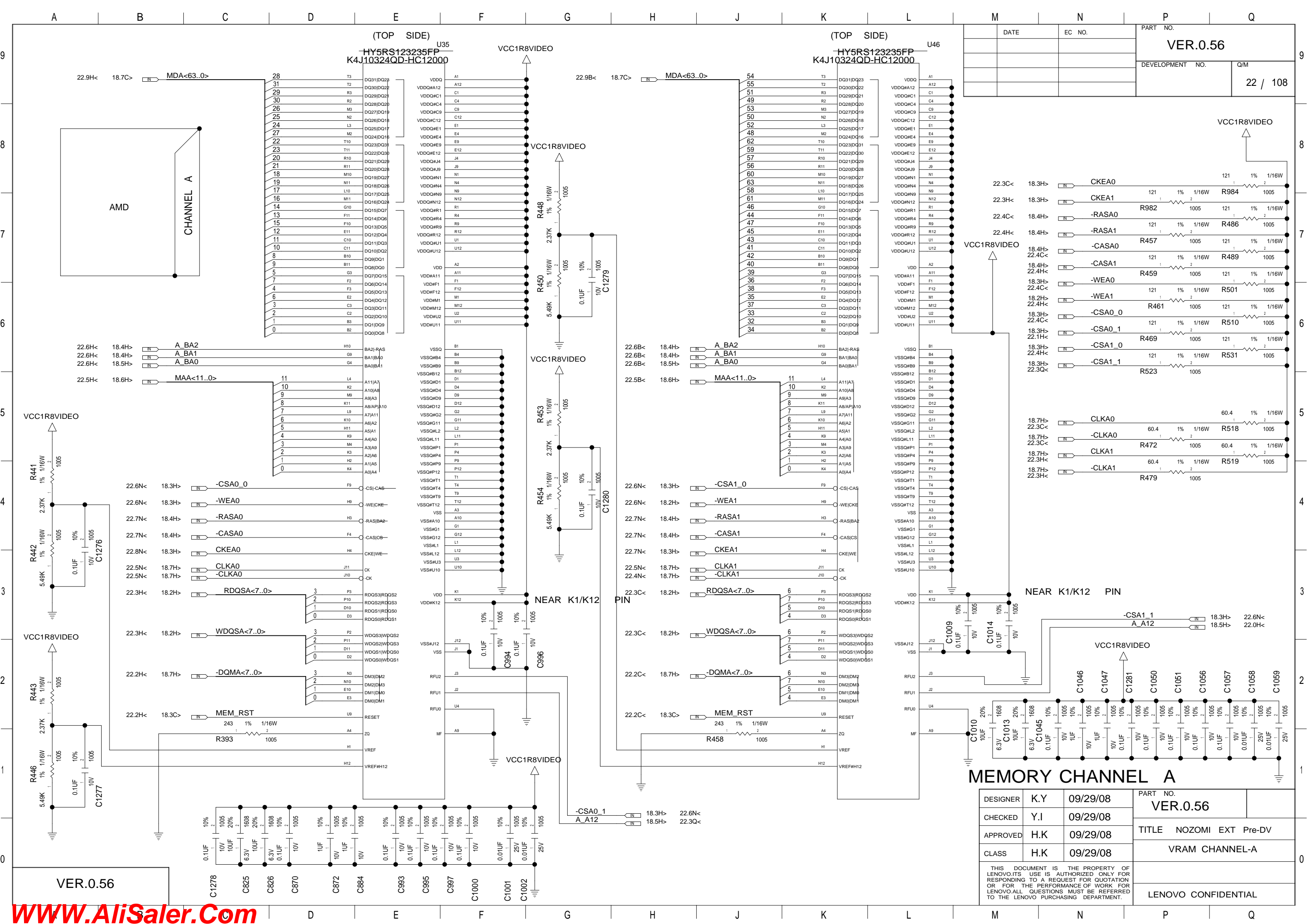
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MEMORY APERTURE SIZE			
DEFINITION			
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	GPIO13	GPIO12	GPIO11
	CFG[2]	CFG[1]	CFG[0]
256MB	NO_ASM	NO_ASM	ASM
128MB	NO_ASM	NO_ASM	NO_ASM

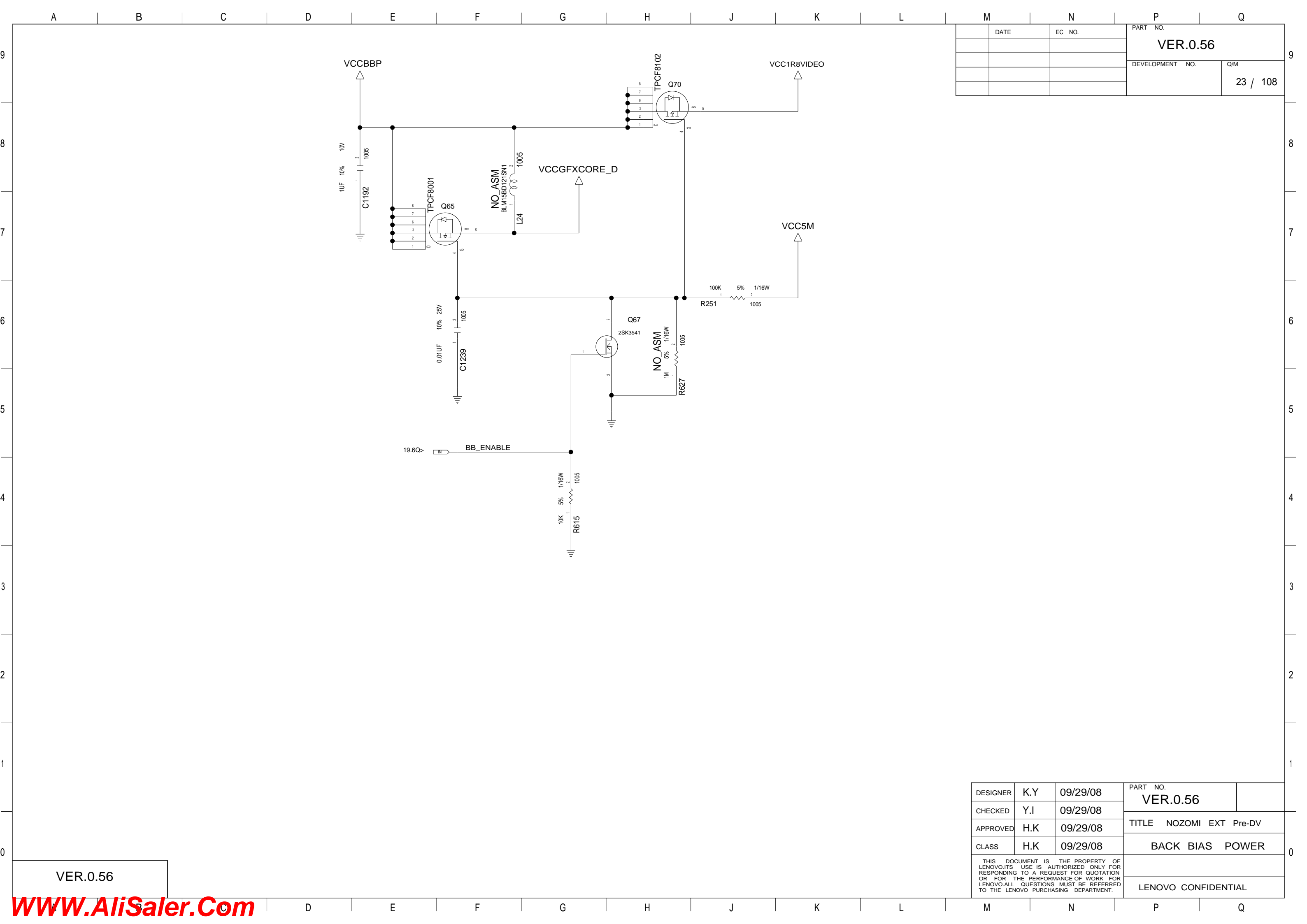
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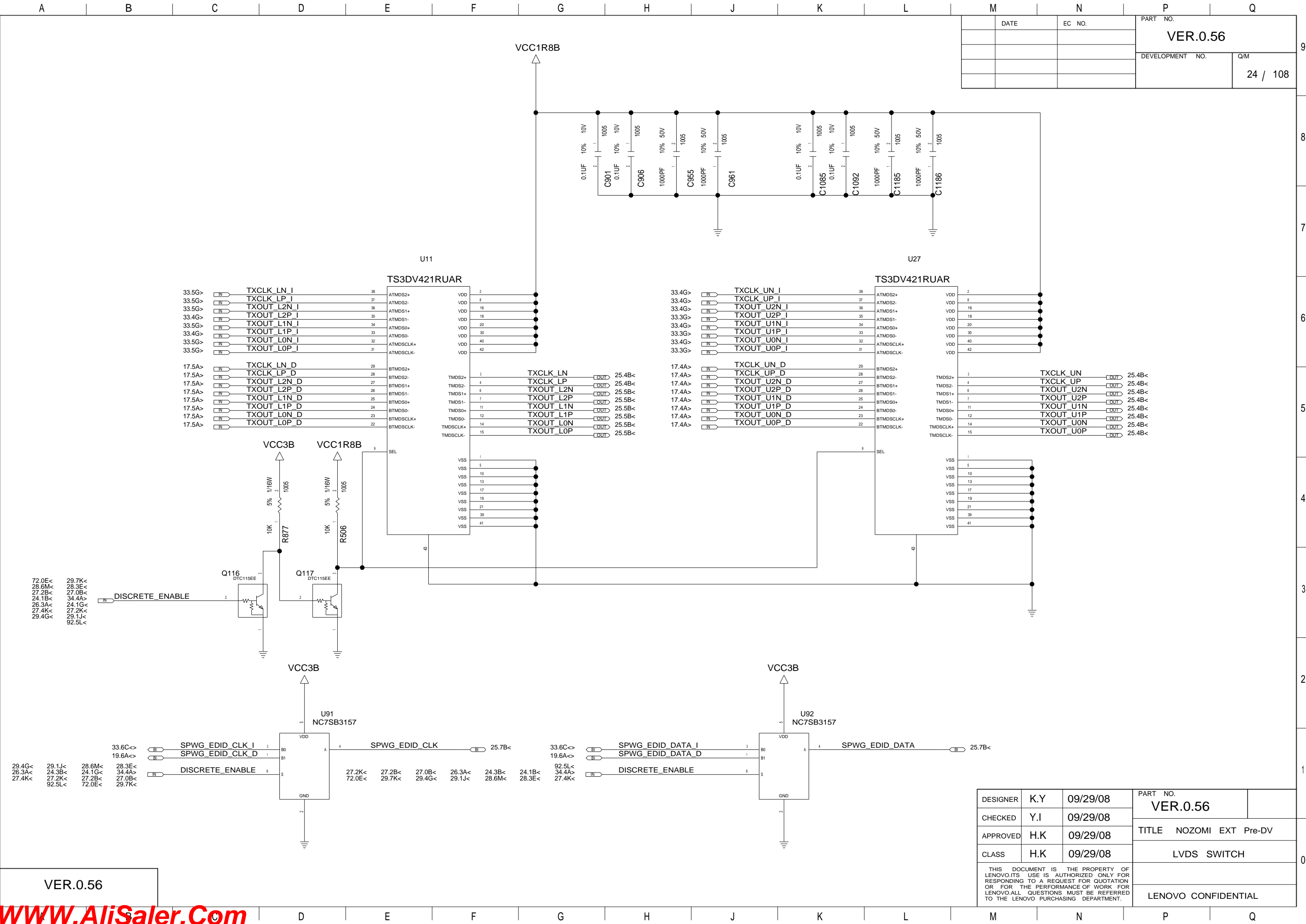
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CHECKED	Y.I	09/29/08	VER.0.56	
APPROVED	H.K	09/29/08	TITLE NOZOMI EXT Pre-DV	
CLASS	H.K	09/29/08	M82XT-S(4/6):GPIO	
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NEAR VIDEO CHIP



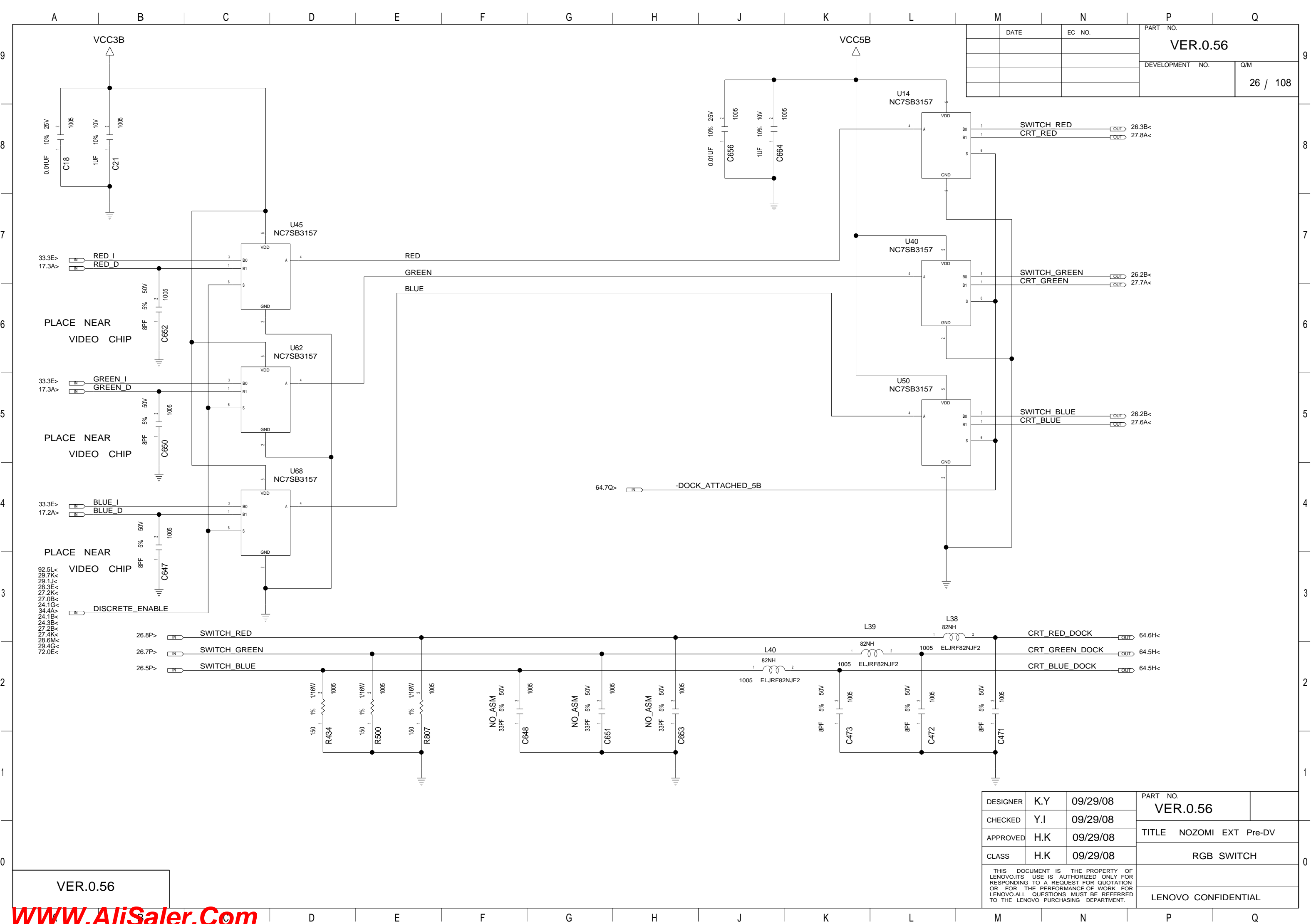




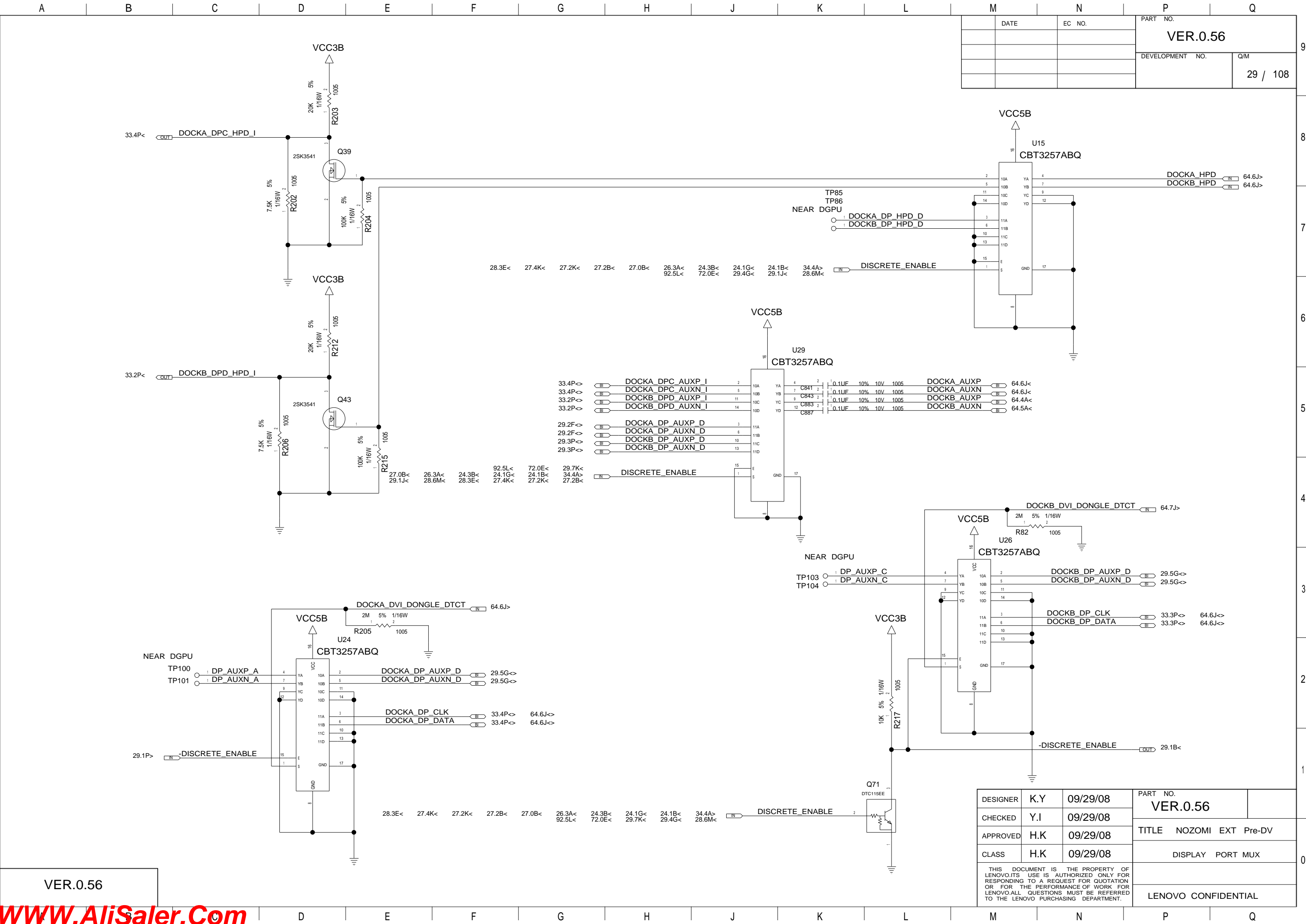
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			VER.0.56	
			DEVELOPMENT NO.	Q/M
				24 / 108

DESIGNER	K.Y	09/29/08	PART NO.	
CHECKED	Y.I	09/29/08	VER.0.56	
APPROVED	H.K	09/29/08	TITLE NOZOMI EXT Pre-DV	
CLASS	H.K	09/29/08	LVDS SWITCH	
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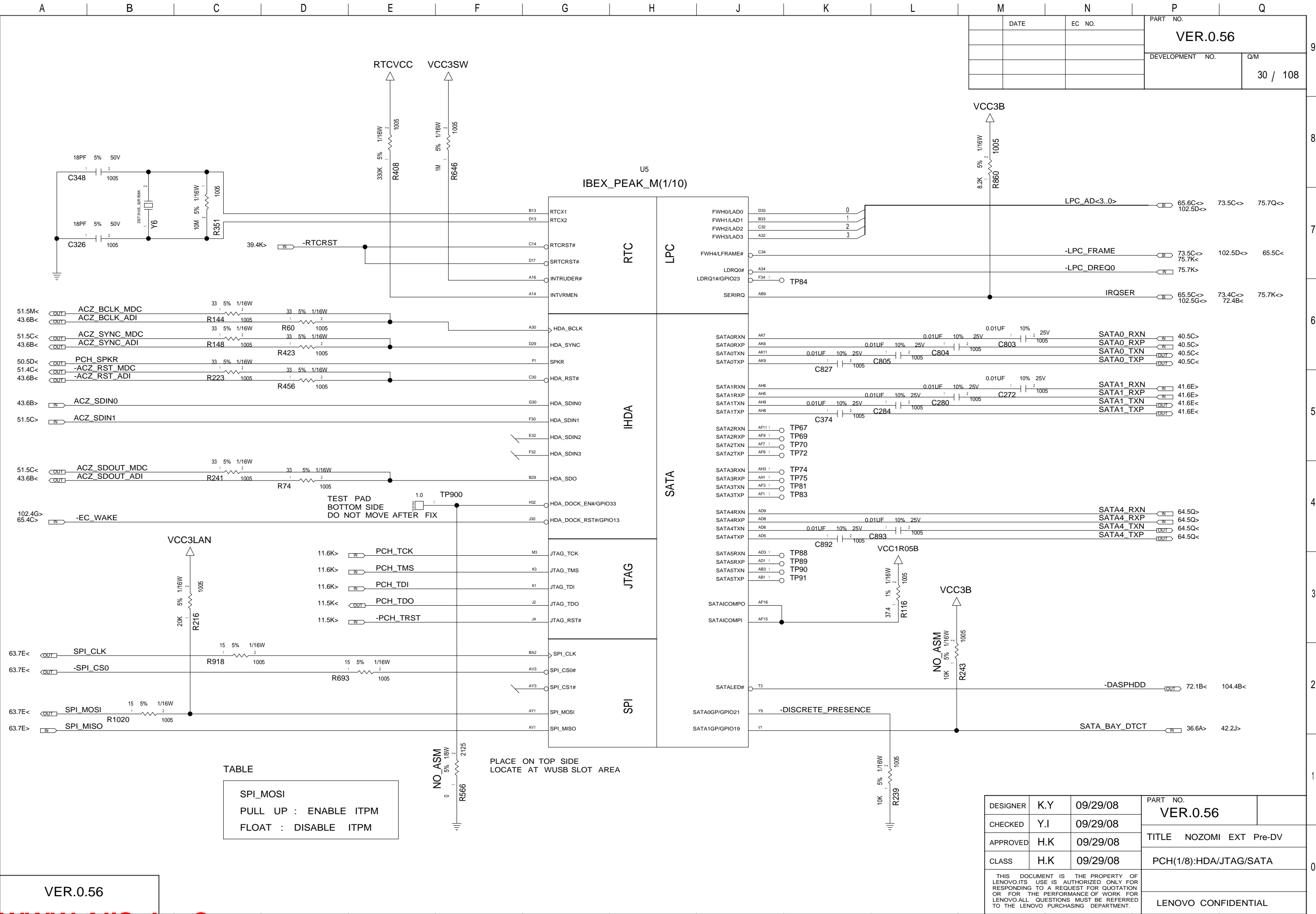


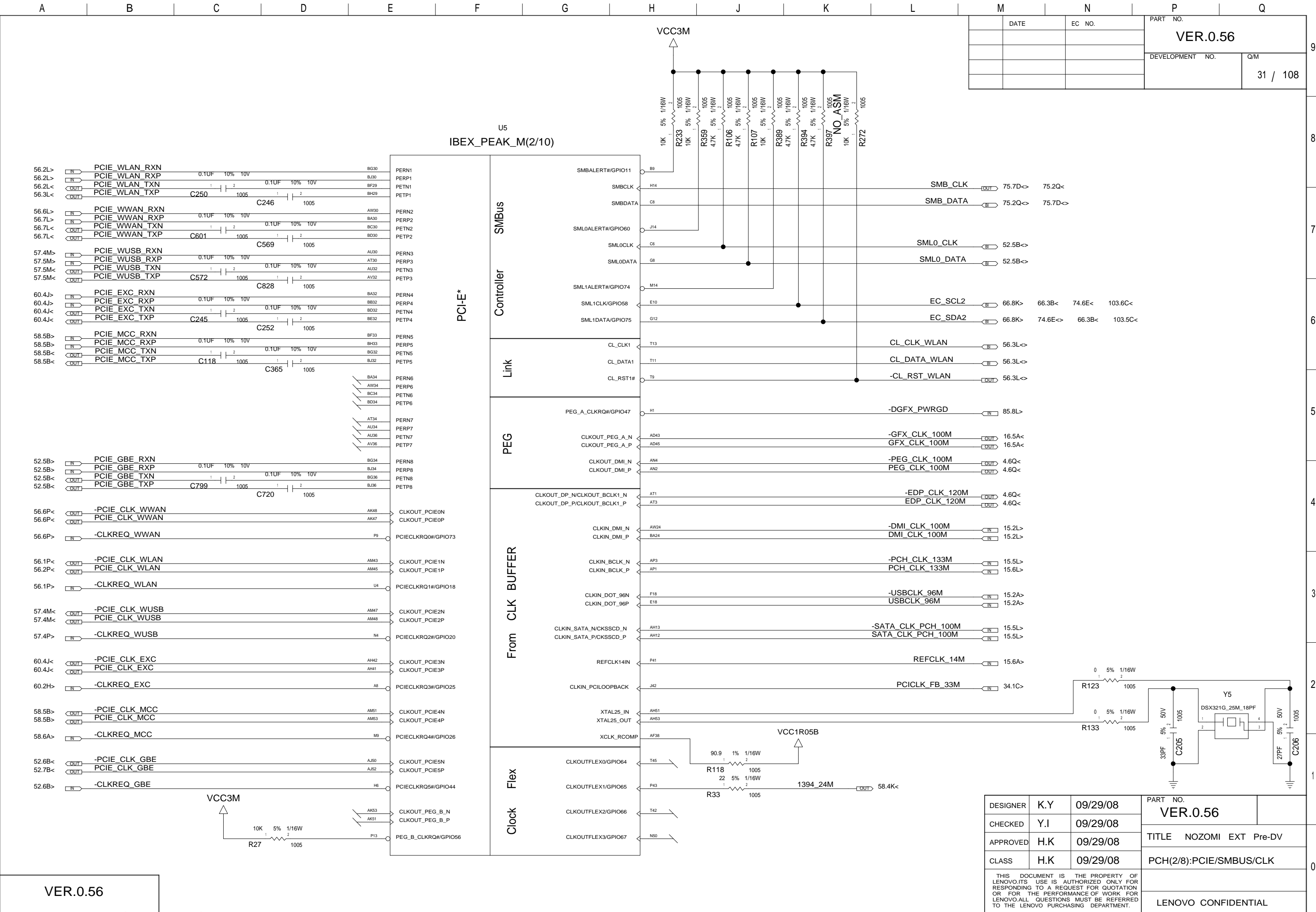
DATE		EC NO.	PART NO.	
			VER.0.56	
			DEVELOPMENT NO.	Q/M
				29 / 108

VER.0.56

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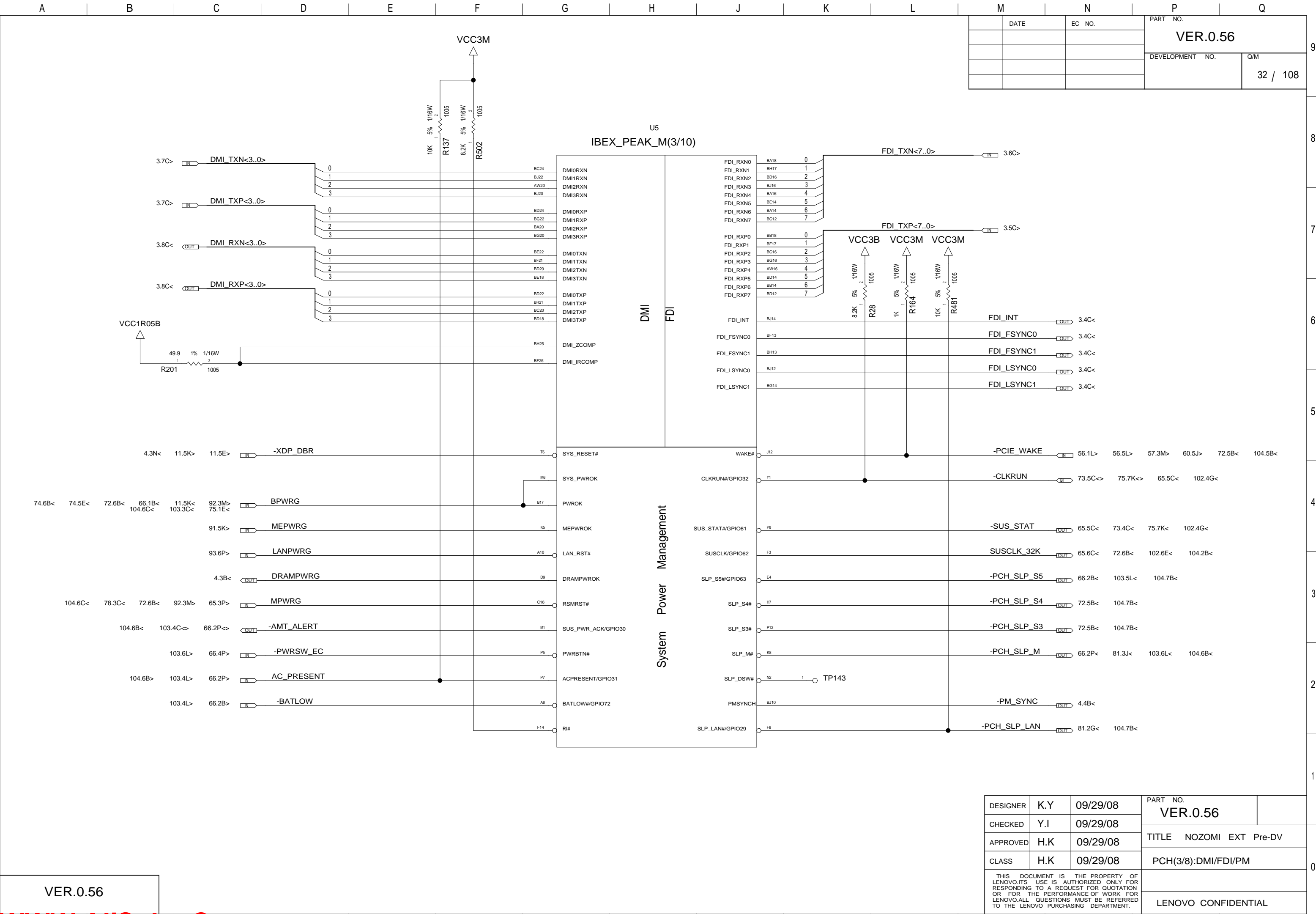
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CHECKED	Y.I	09/29/08	VER.0.56	
APPROVED	H.K	09/29/08	TITLE NOZOMI EXT Pre-DV	
CLASS	H.K	09/29/08	DISPLAY PORT MUX	
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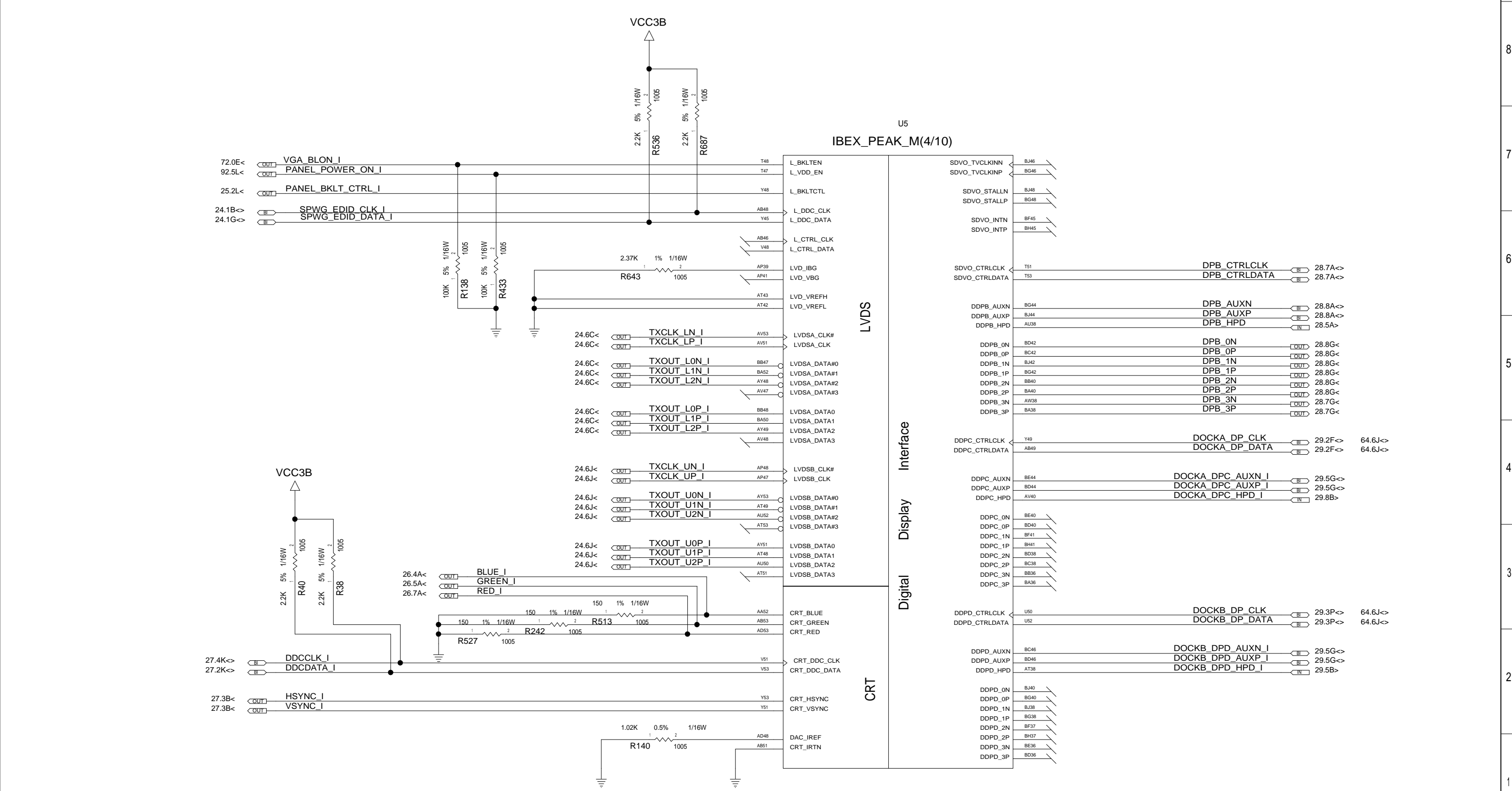


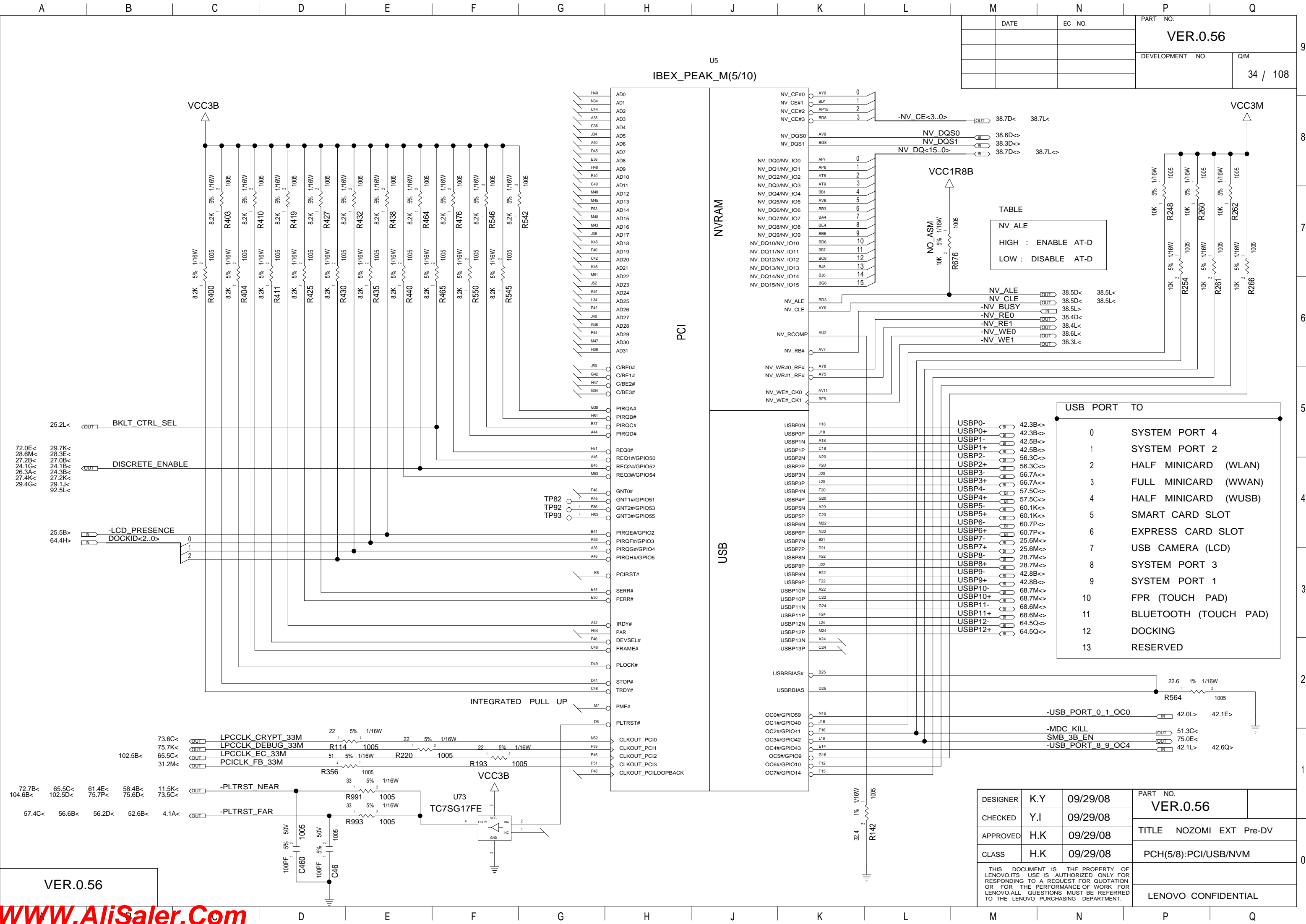


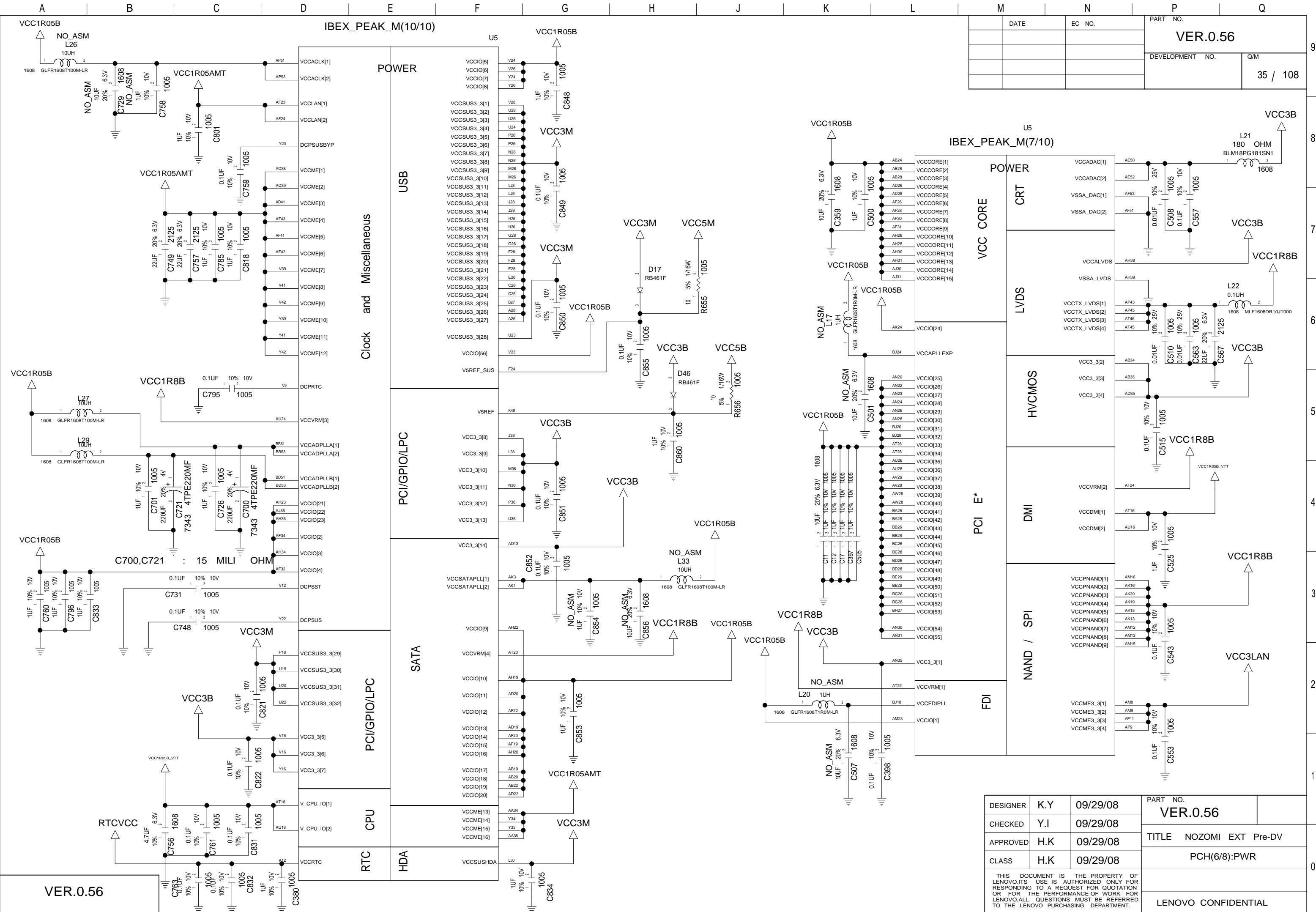
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			VER.0.56	
			DEVELOPMENT NO.	
			Q/M	
			31 / 108	

DESIGNER	K.Y	09/29/08	PART NO.	
CHECKED	Y.I	09/29/08	VER.0.56	
APPROVED	H.K	09/29/08	TITLE NOZOMI EXT Pre-DV	
CLASS	H.K	09/29/08	PCH(2/8):PCIE/SMBUS/CLK	
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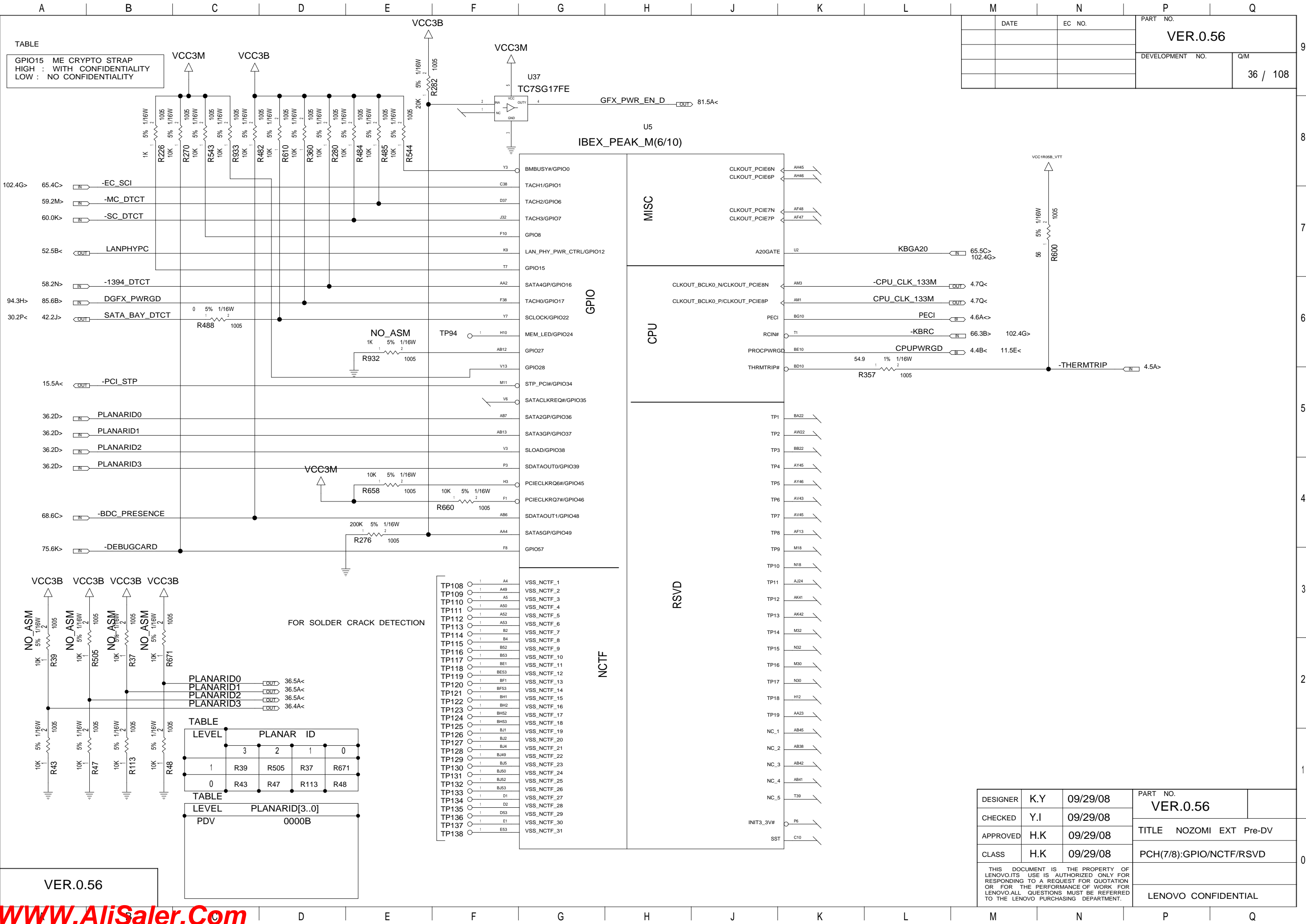




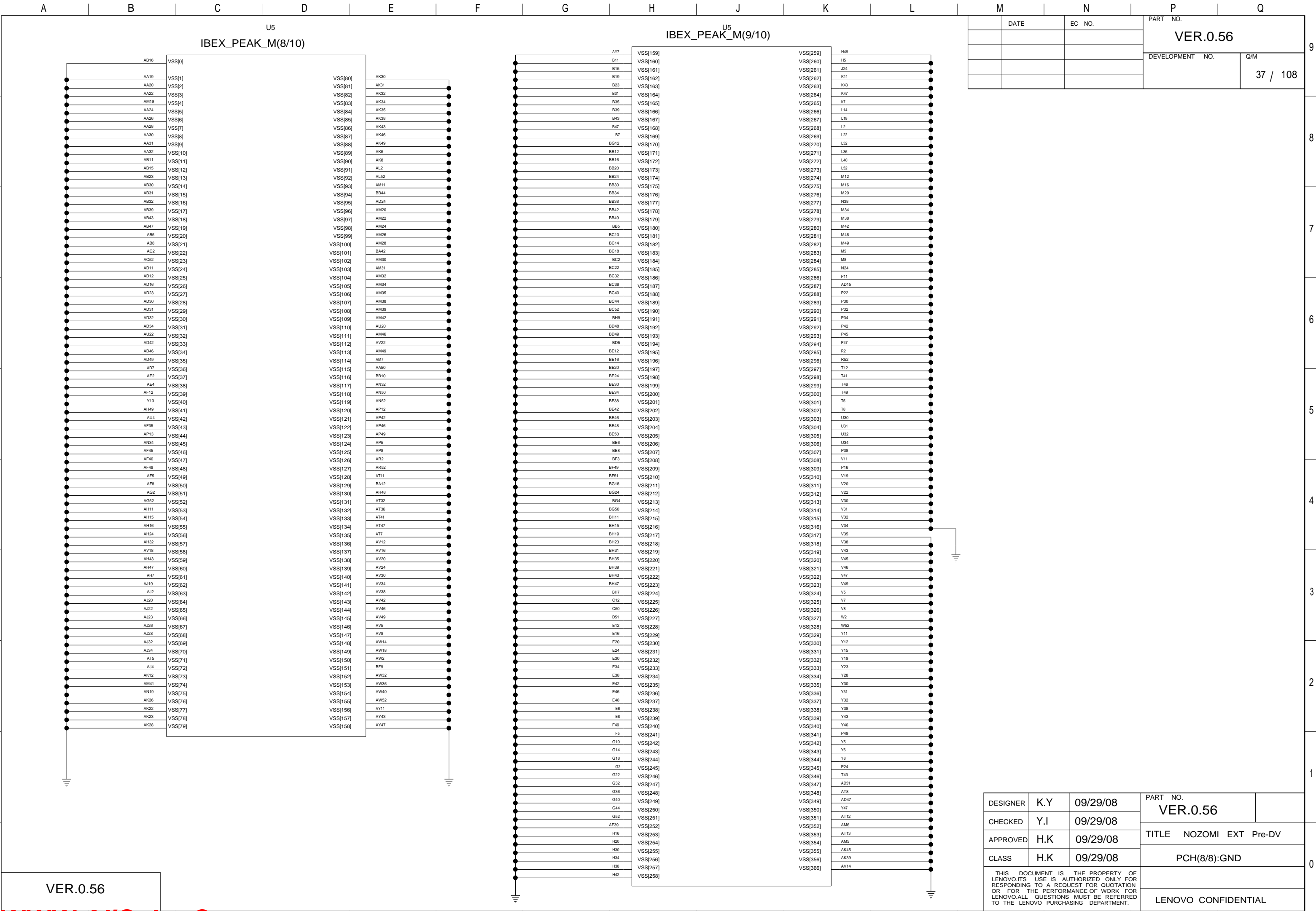




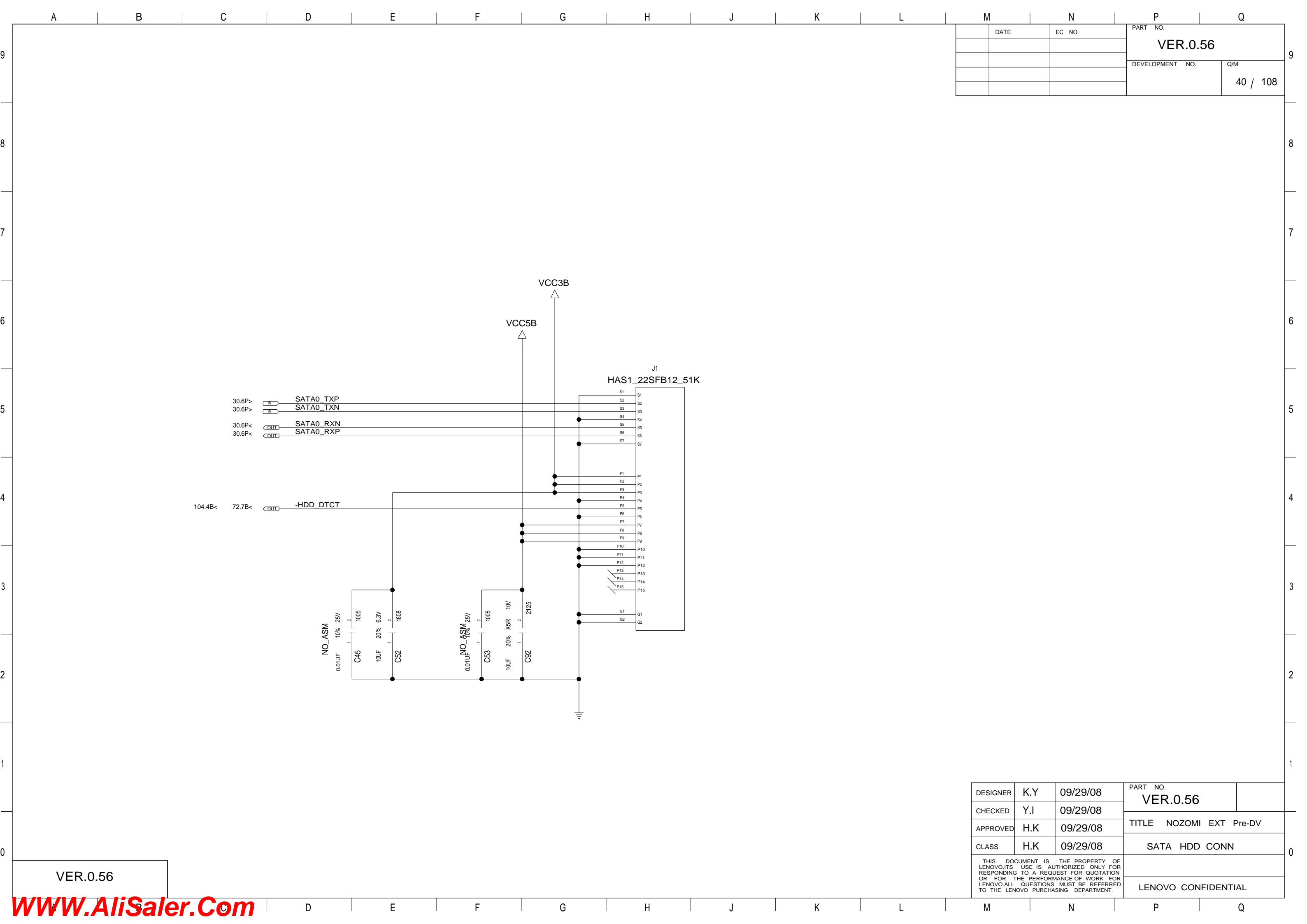
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CLASS	H.K	09/29/08	PCH(6/8):PWR	
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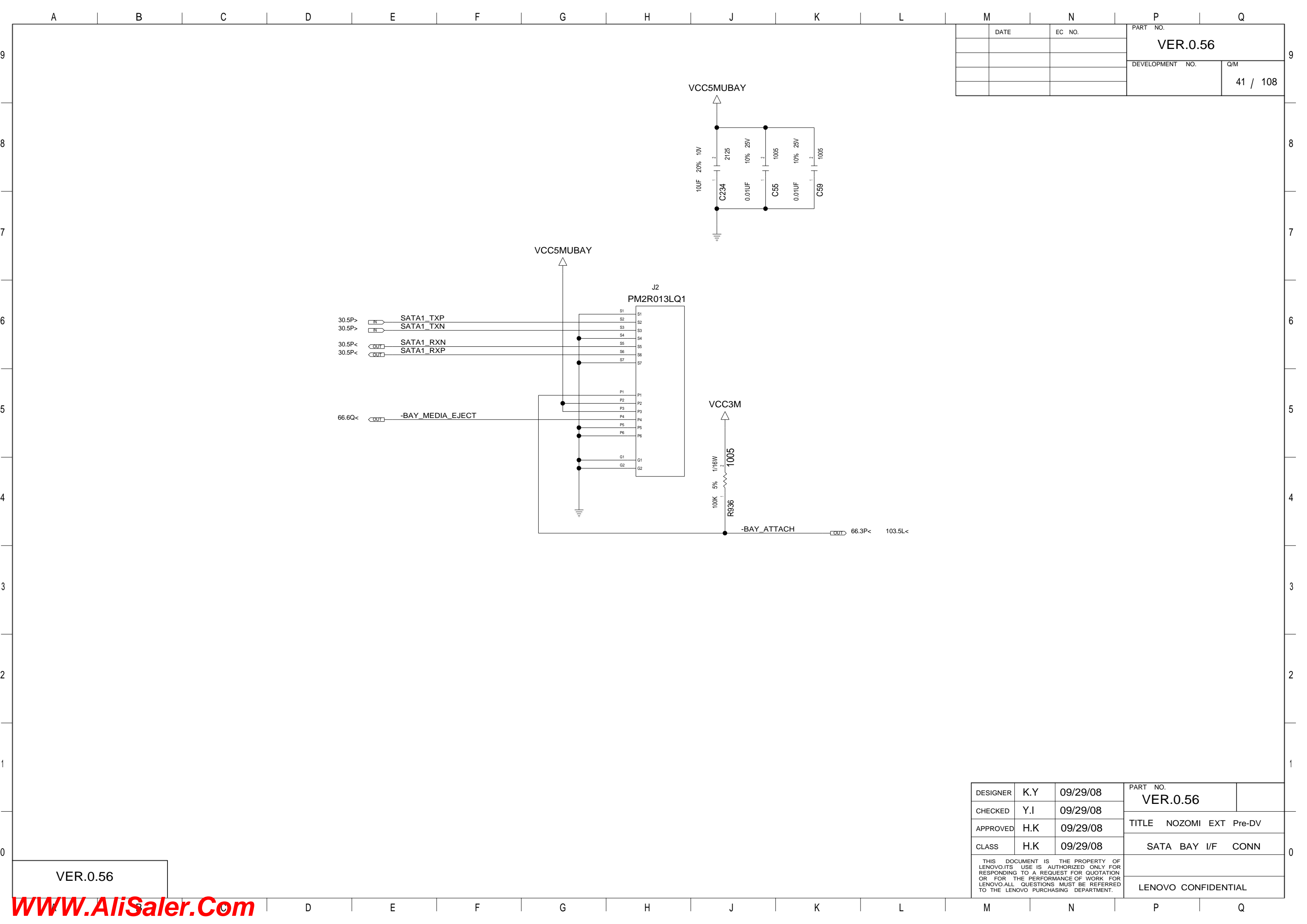


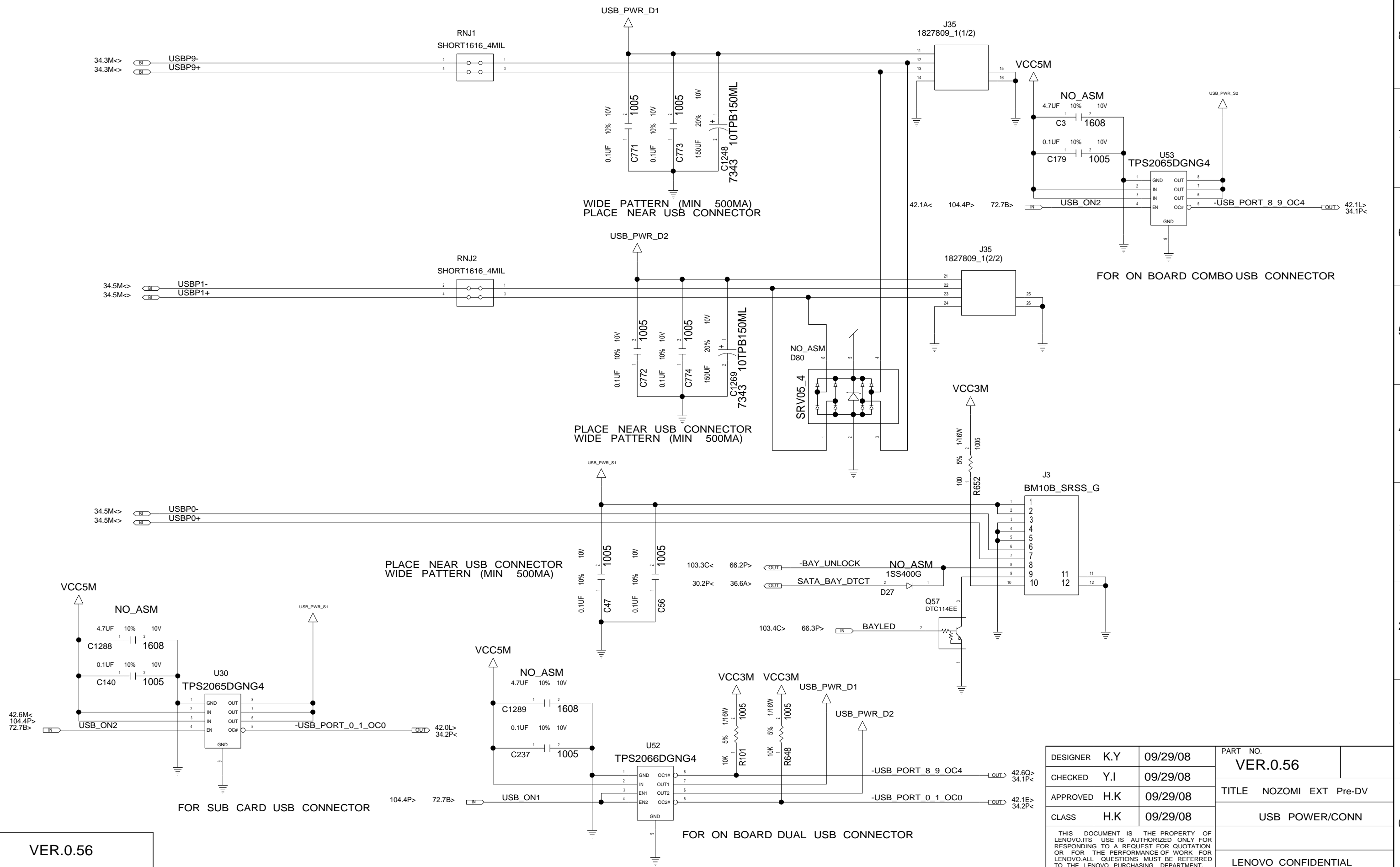
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CHECKED	Y.I	09/29/08	TITLE	NOZOMI EXT Pre-DV
APPROVED	H.K	09/29/08	PCH(7/8):GPIO/NCTF/RSVD	
CLASS	H.K	09/29/08	LENovo CONFIDENTIAL	
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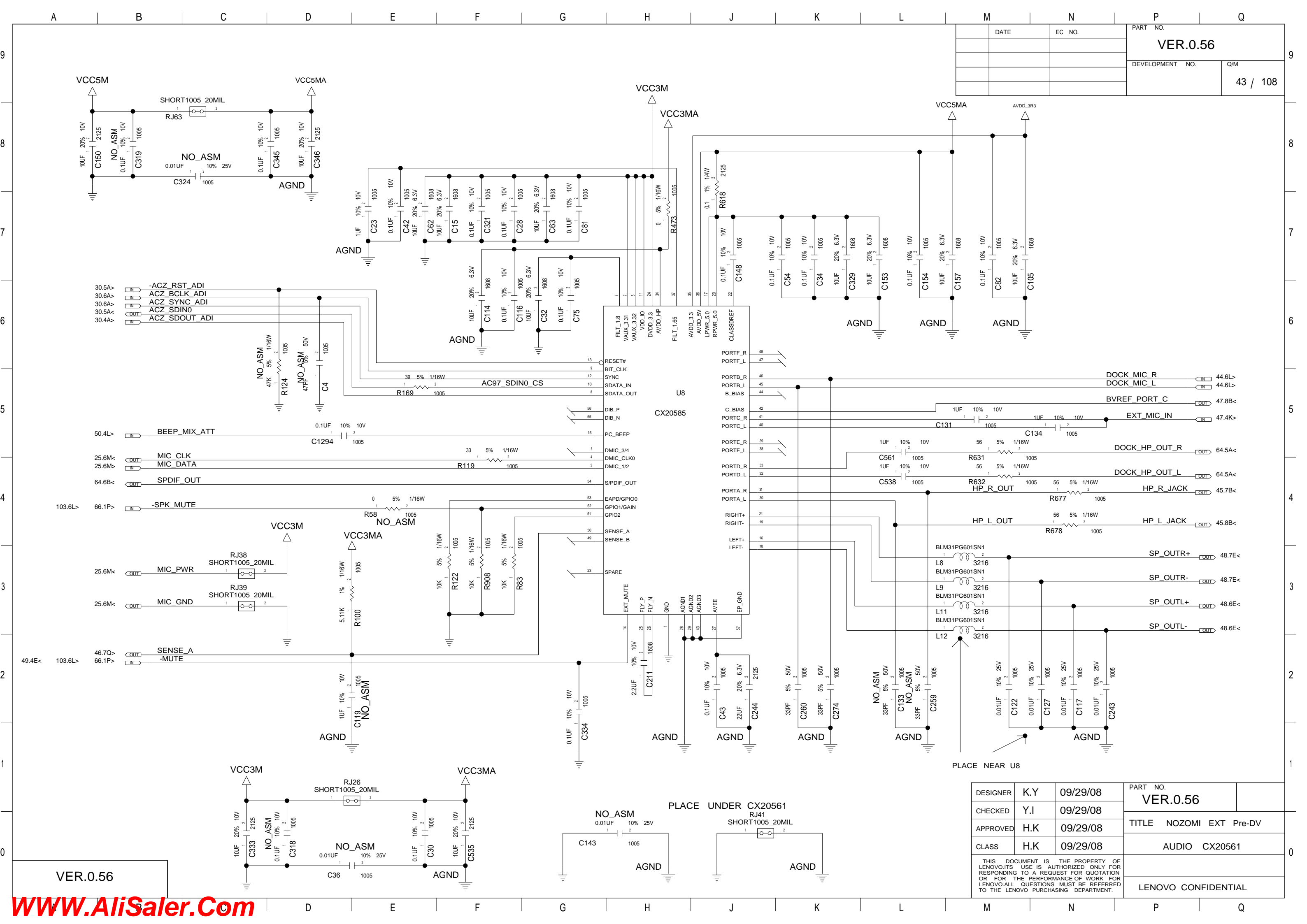








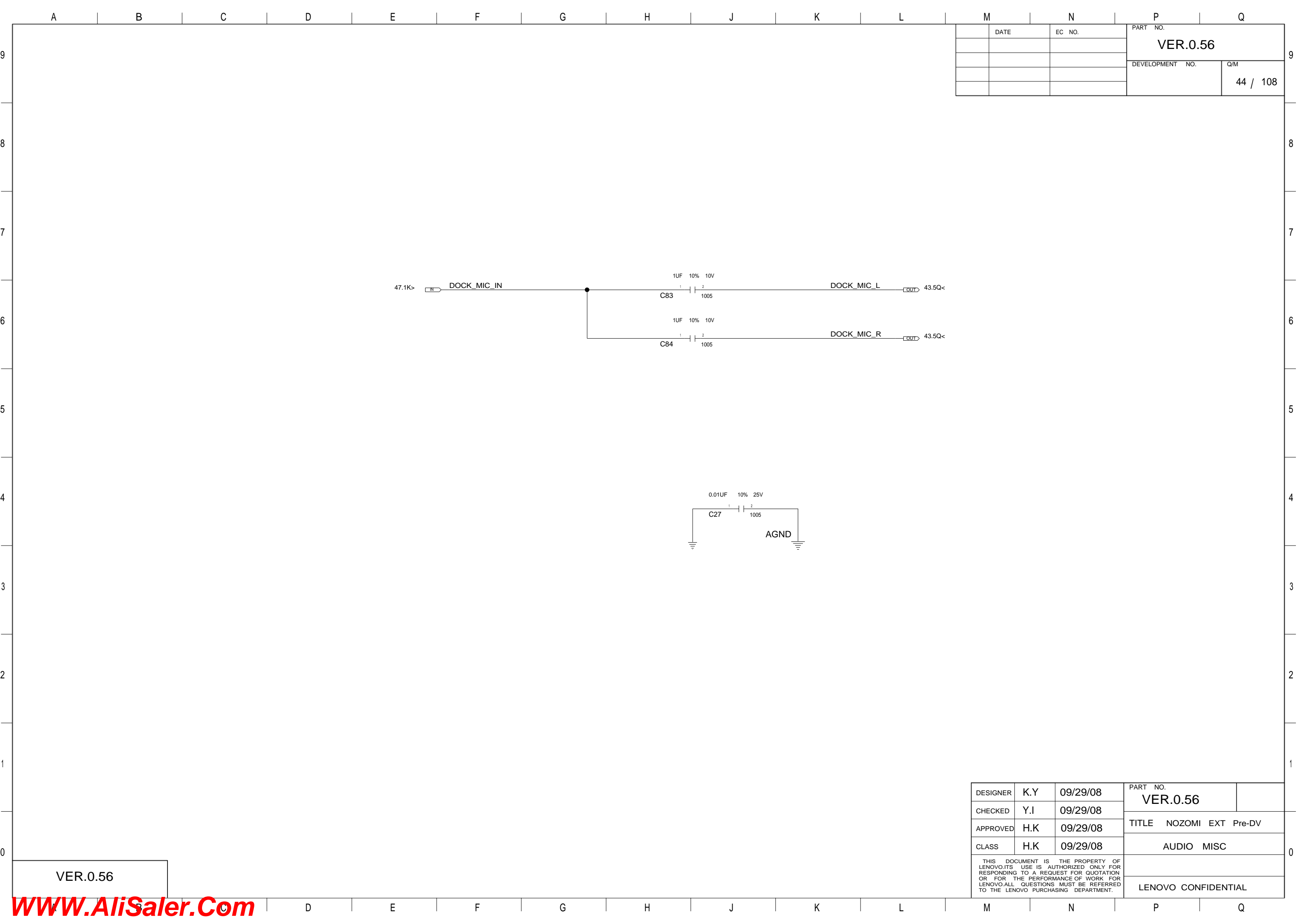


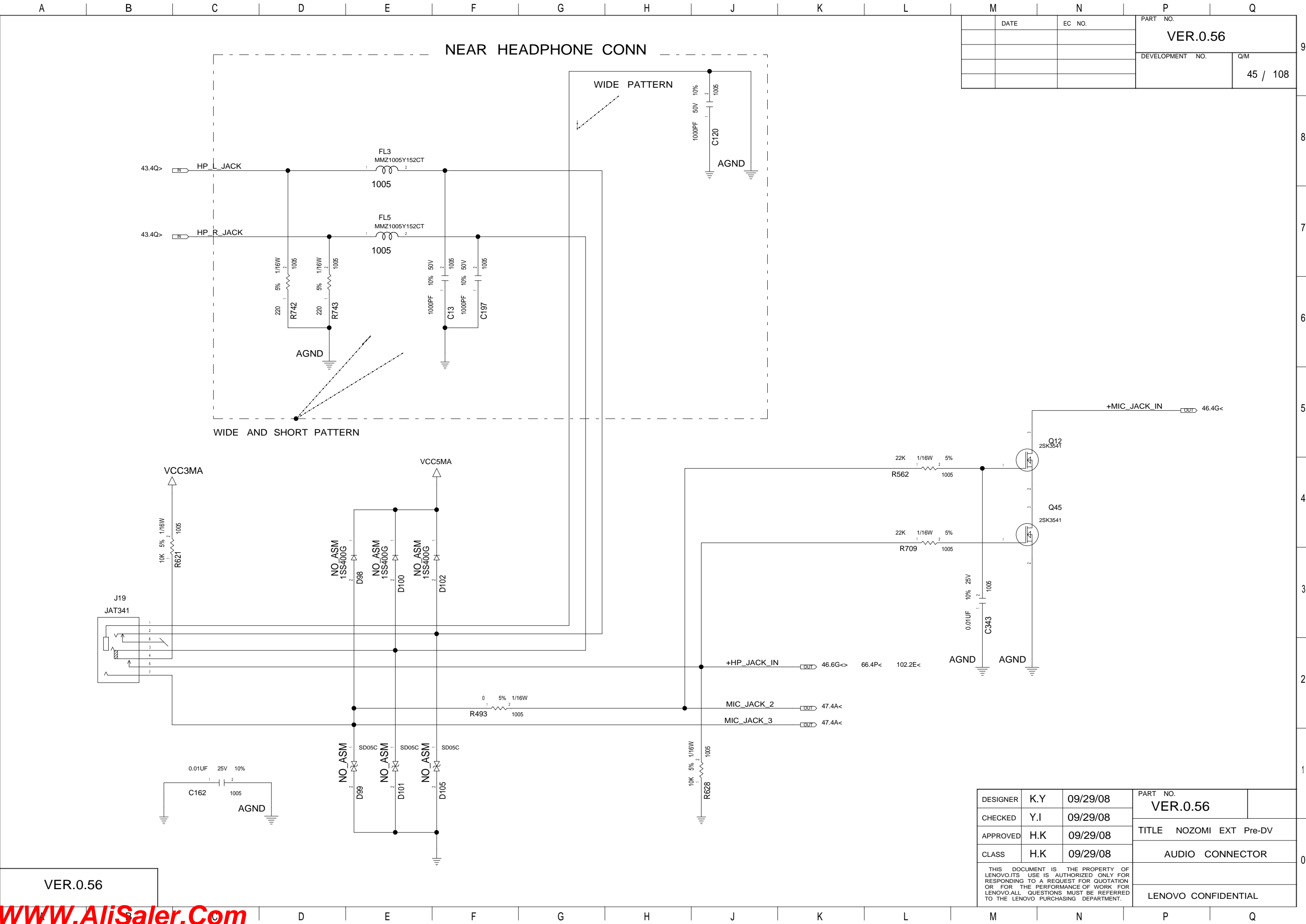


DATE		EC NO.	PART NO.	
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DESIGNER	K.Y	09/29/08	PART NO.	
CHECKED	Y.I	09/29/08	VER.0.56	
APPROVED	H.K	09/29/08	TITLE NOZOMI EXT Pre-DV	
CLASS	H.K	09/29/08	AUDIO CX20561	
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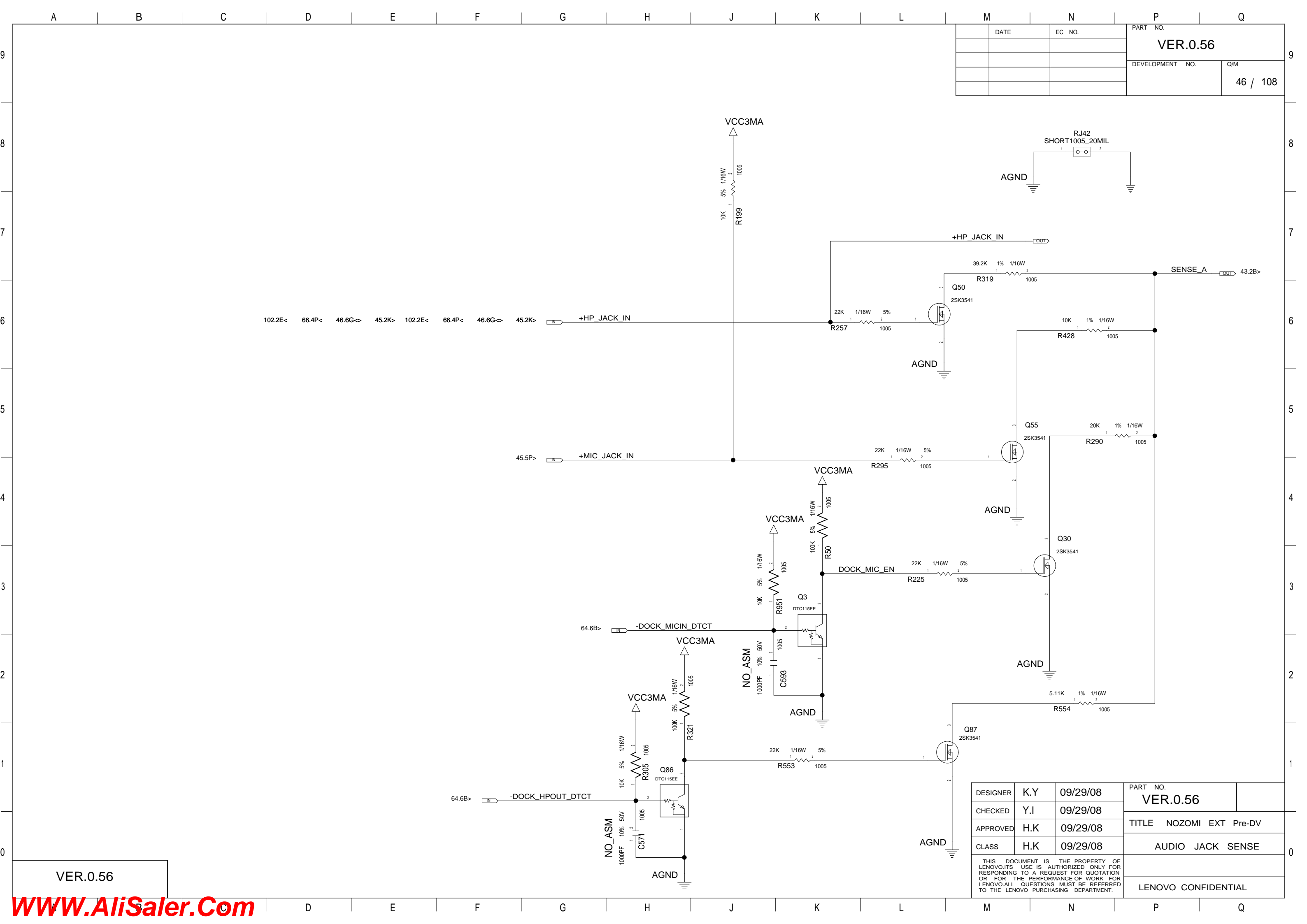


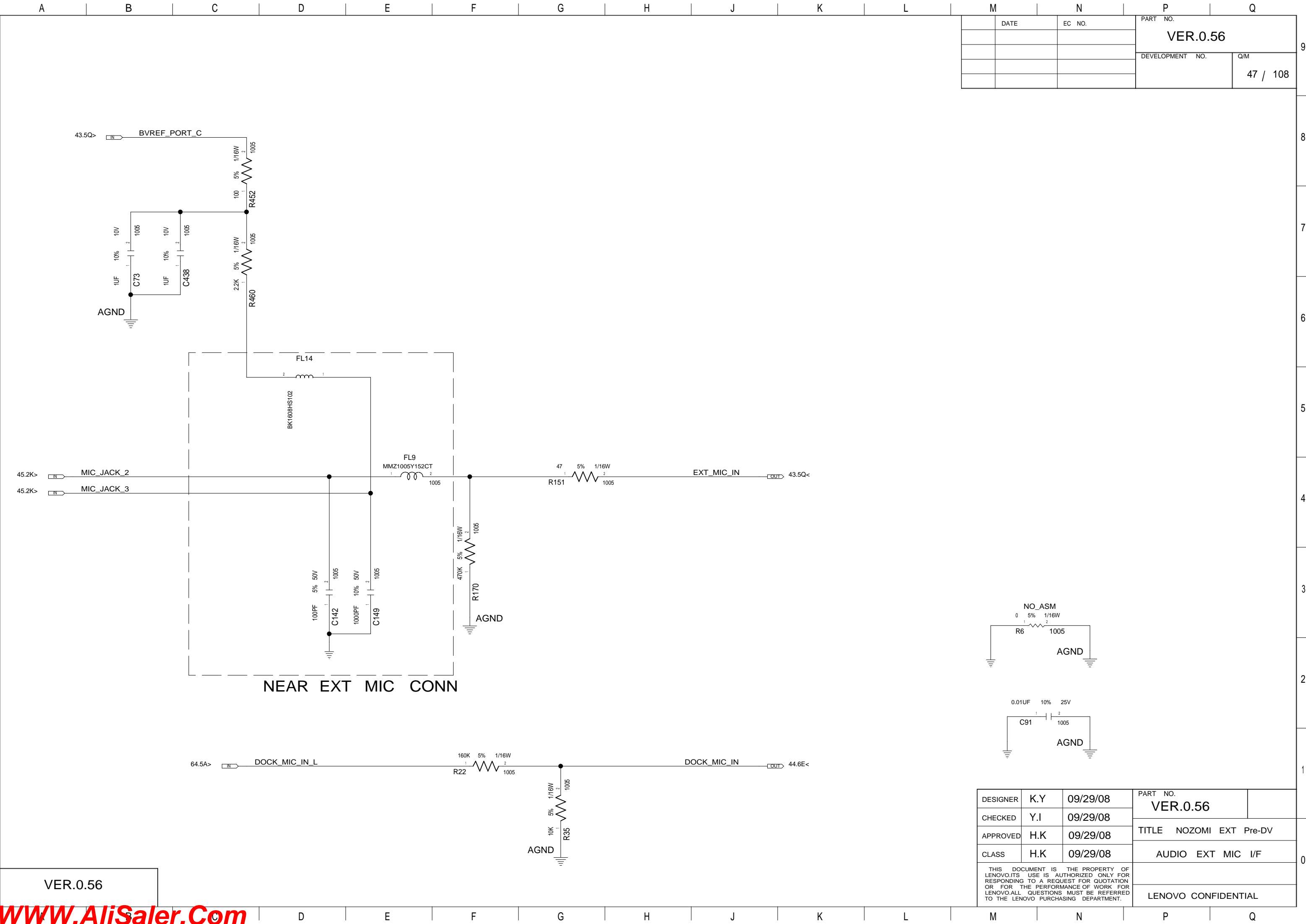


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			Q/M	
			45 / 108	

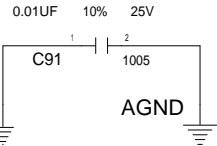
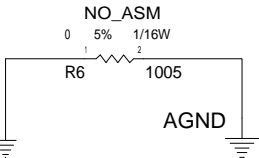
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DESIGNER	K.Y	09/29/08	PART NO.	
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CLASS	H.K	09/29/08	AUDIO CONNECTOR	
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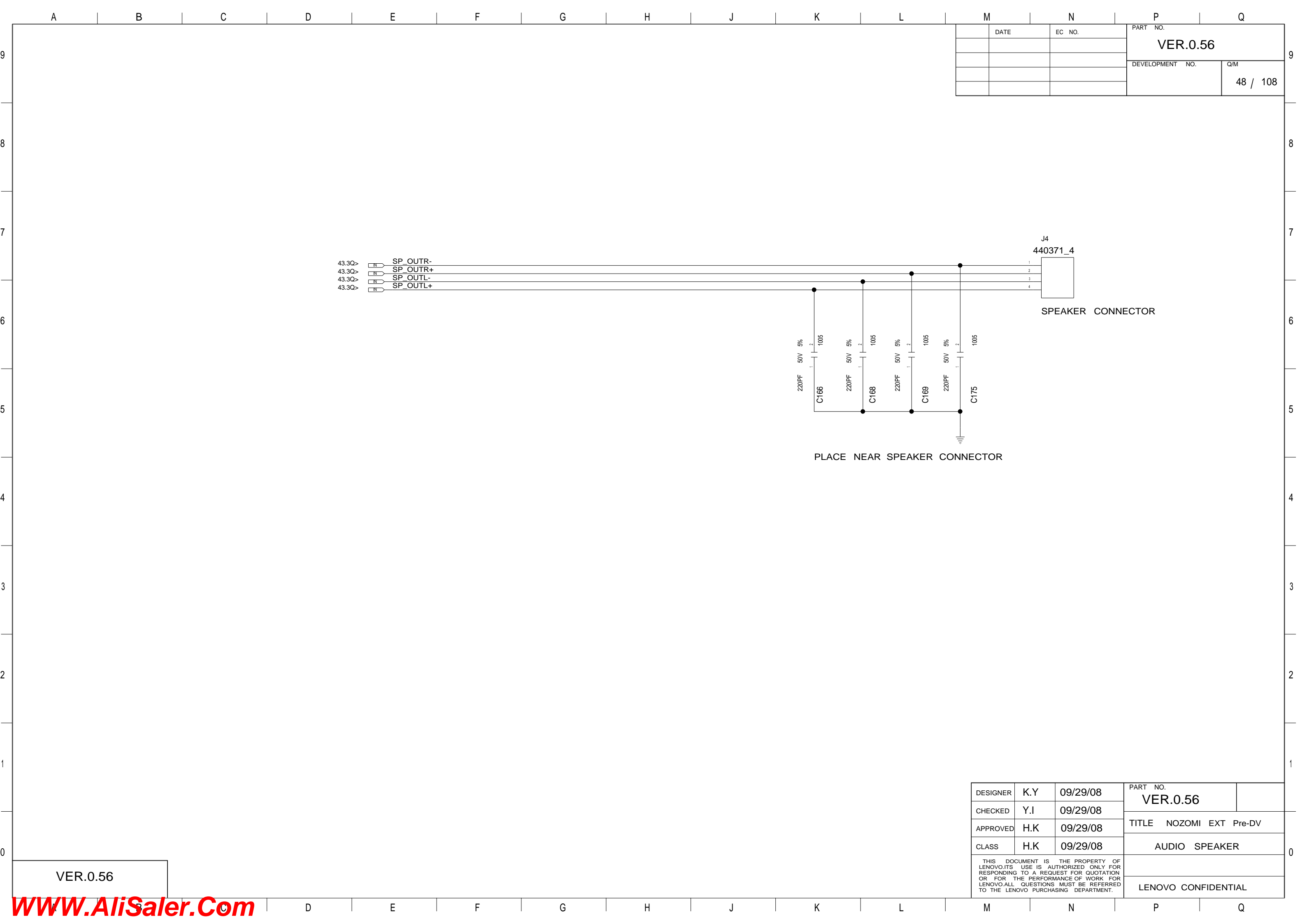




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DESIGNER	K.Y	09/29/08	PART NO.	
CHECKED	Y.I	09/29/08	VER.0.56	
APPROVED	H.K	09/29/08	TITLE NOZOMI EXT Pre-DV	
CLASS	H.K	09/29/08	AUDIO EXT MIC I/F	
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DESIGNER	K.Y	09/29/08	PART NO.	
CHECKED	Y.I	09/29/08	VER.0.56	
APPROVED	H.K	09/29/08	TITLE NOZOMI EXT Pre-DV	
CLASS	H.K	09/29/08	AUDIO SPEAKER	
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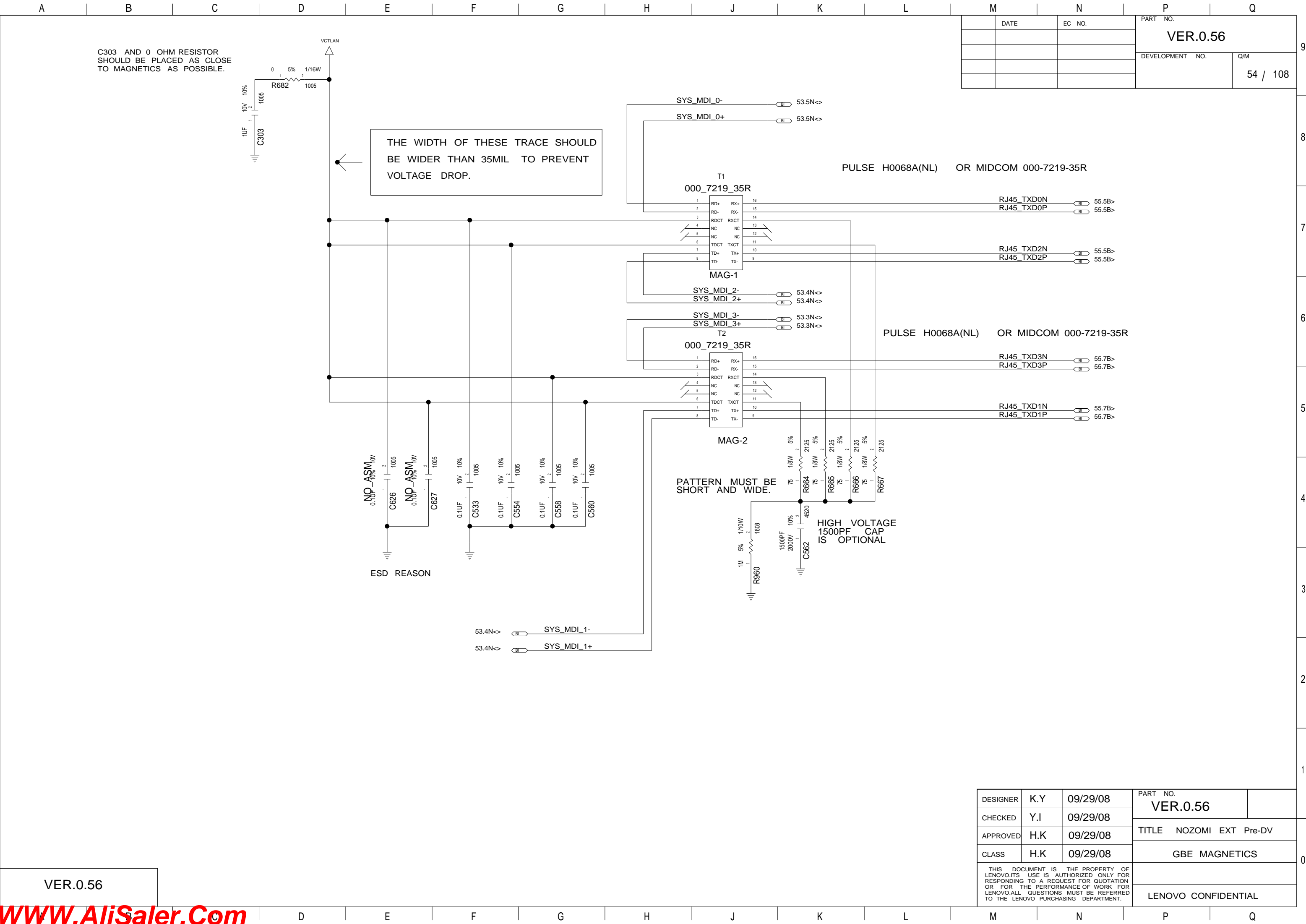
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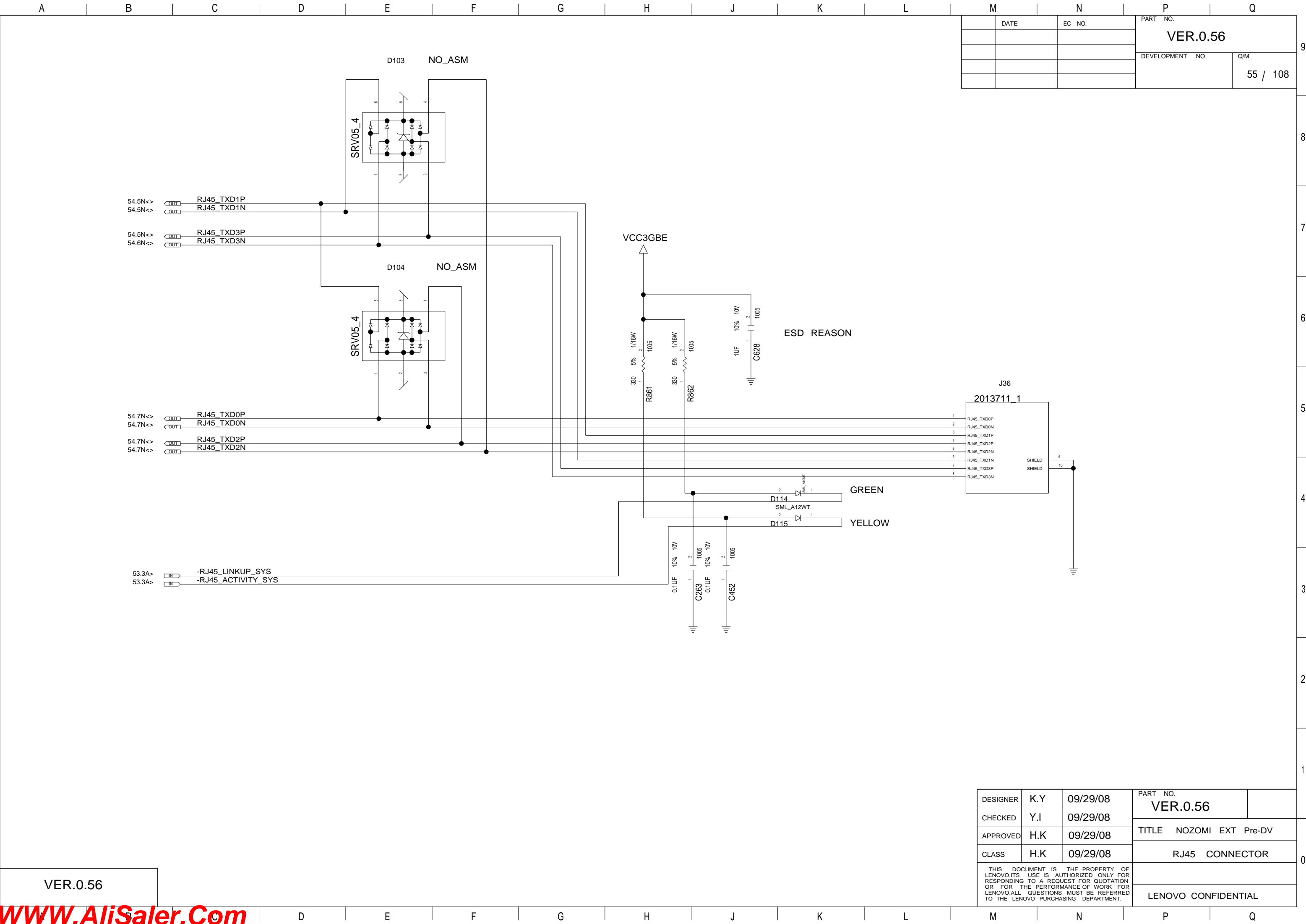
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DATE		EC NO.	PART NO.	
			VER.0.56	
			DEVELOPMENT NO.	Q/M
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DESIGNER	K.Y	09/29/08	PART NO.	
CHECKED	Y.I	09/29/08	VER.0.56	
APPROVED	H.K	09/29/08	TITLE NOZOMI EXT Pre-DV	
CLASS	H.K	09/29/08	GBE MAGNETICS	
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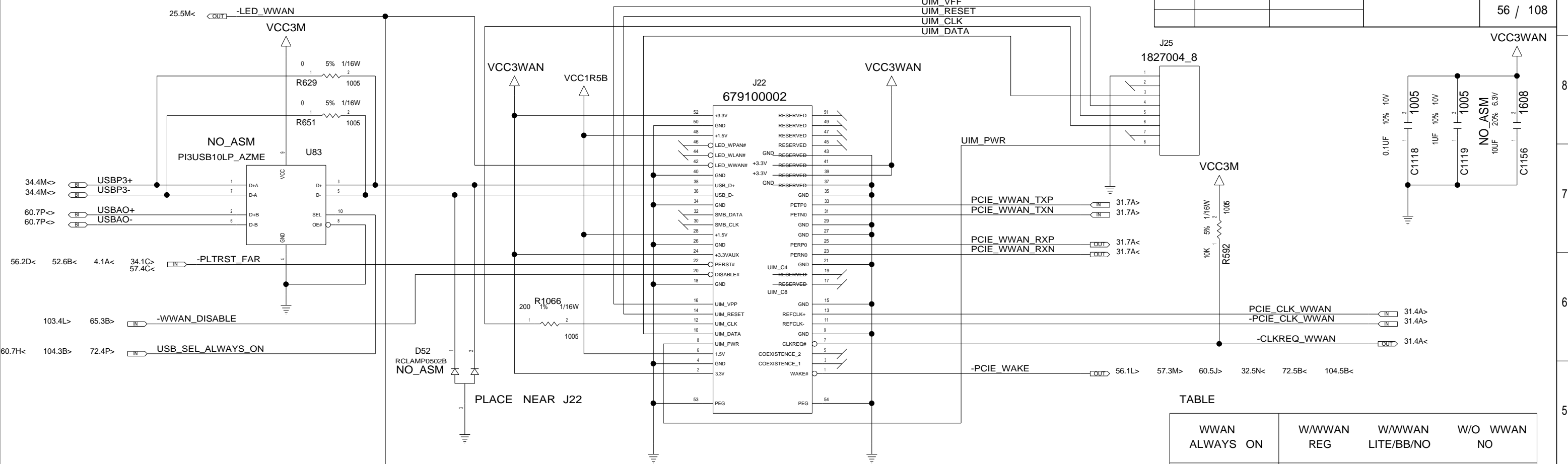


DATE		EC NO.	PART NO.	
			VER.0.56	
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DESIGNER	K.Y	09/29/08	PART NO.	
CHECKED	Y.I	09/29/08	VER.0.56	
APPROVED	H.K	09/29/08	TITLE NOZOMI EXT Pre-DV	
CLASS	H.K	09/29/08	RJ45 CONNECTOR	
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FULL MINI CARD FOR WWAN
4.1H CONNECTOR



DATE		EC NO.	PART NO.	
			VER.0.56	
			DEVELOPMENT NO.	Q/M
				56 / 108

HALF MINI CARD FOR WLAN
7.0H CONNECTOR

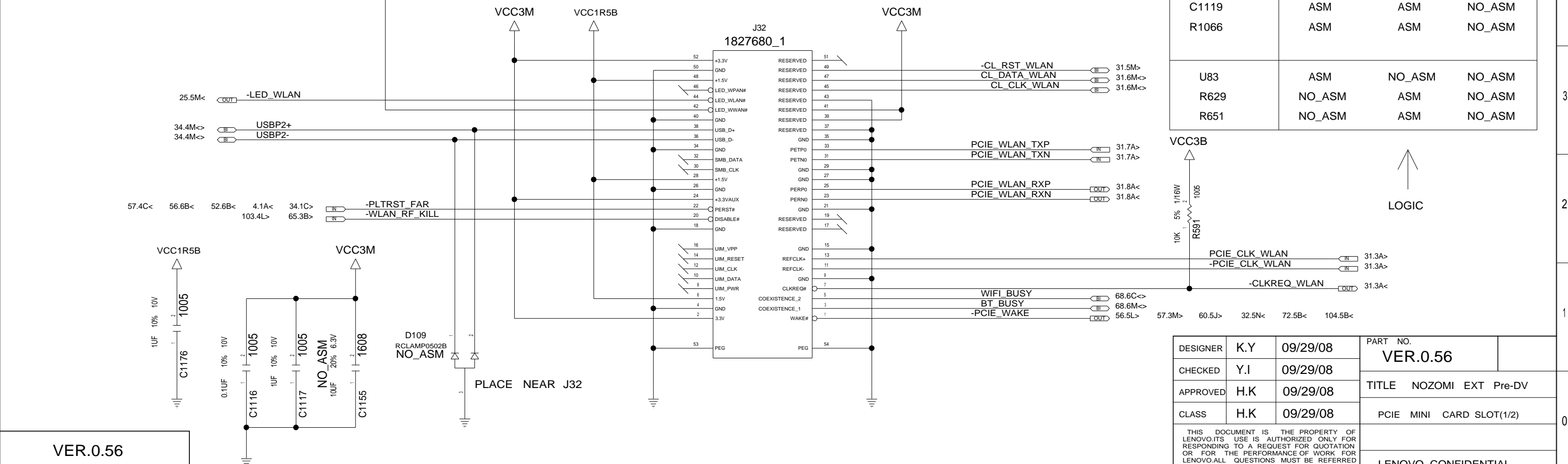
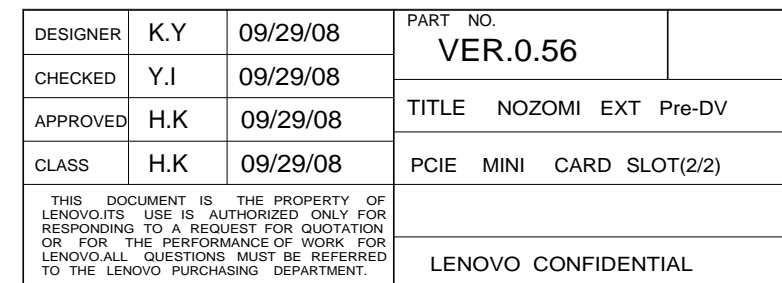


TABLE		WWAN ALWAYS ON	W/WWAN REG	W/WWAN LITE/BB/NO	W/O WWAN NO
J22		ASM	ASM	NO_ASM	
J25		ASM	ASM	NO_ASM	
C1118		ASM	ASM	NO_ASM	
C1119		ASM	ASM	NO_ASM	
R1066		ASM	ASM	NO_ASM	
U83		ASM	NO_ASM	NO_ASM	
R629		NO_ASM	ASM	NO_ASM	
R651		NO_ASM	ASM	NO_ASM	

DESIGNER	K.Y	09/29/08	PART NO.	
CHECKED	Y.I	09/29/08	VER.0.56	
APPROVED	H.K	09/29/08	TITLE NOZOMI EXT Pre-DV	
CLASS	H.K	09/29/08	PCIE MINI CARD SLOT(1/2)	
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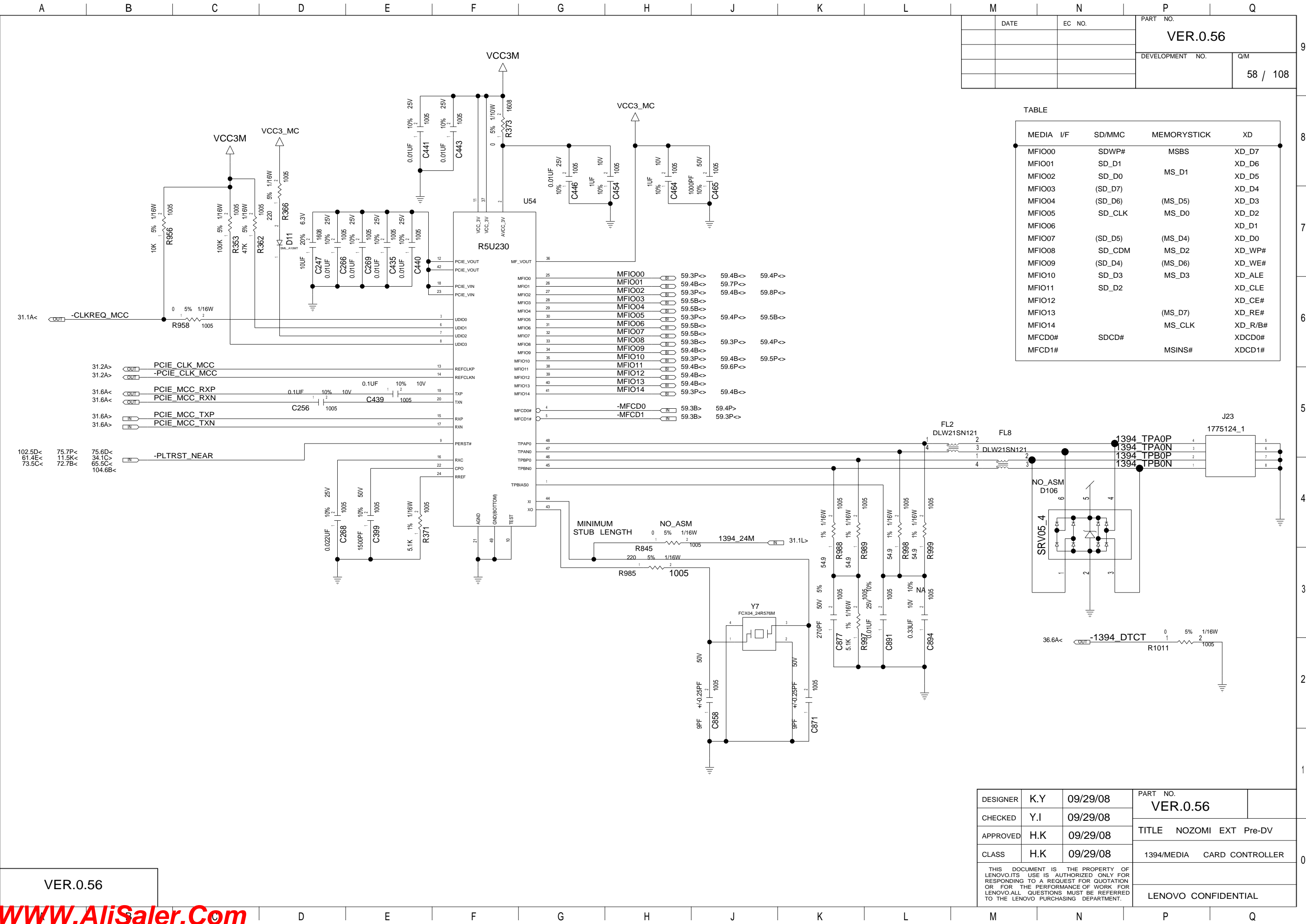
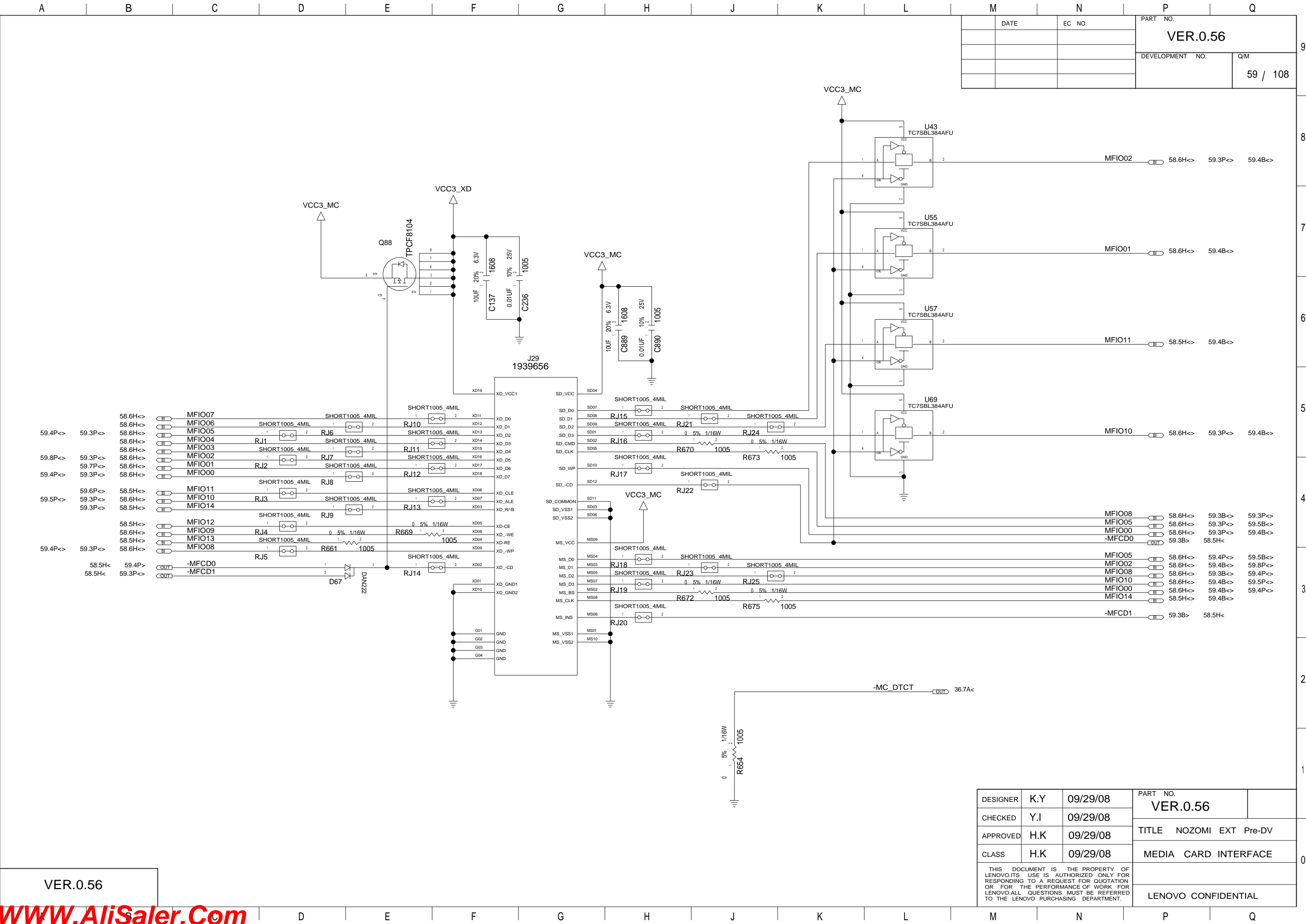


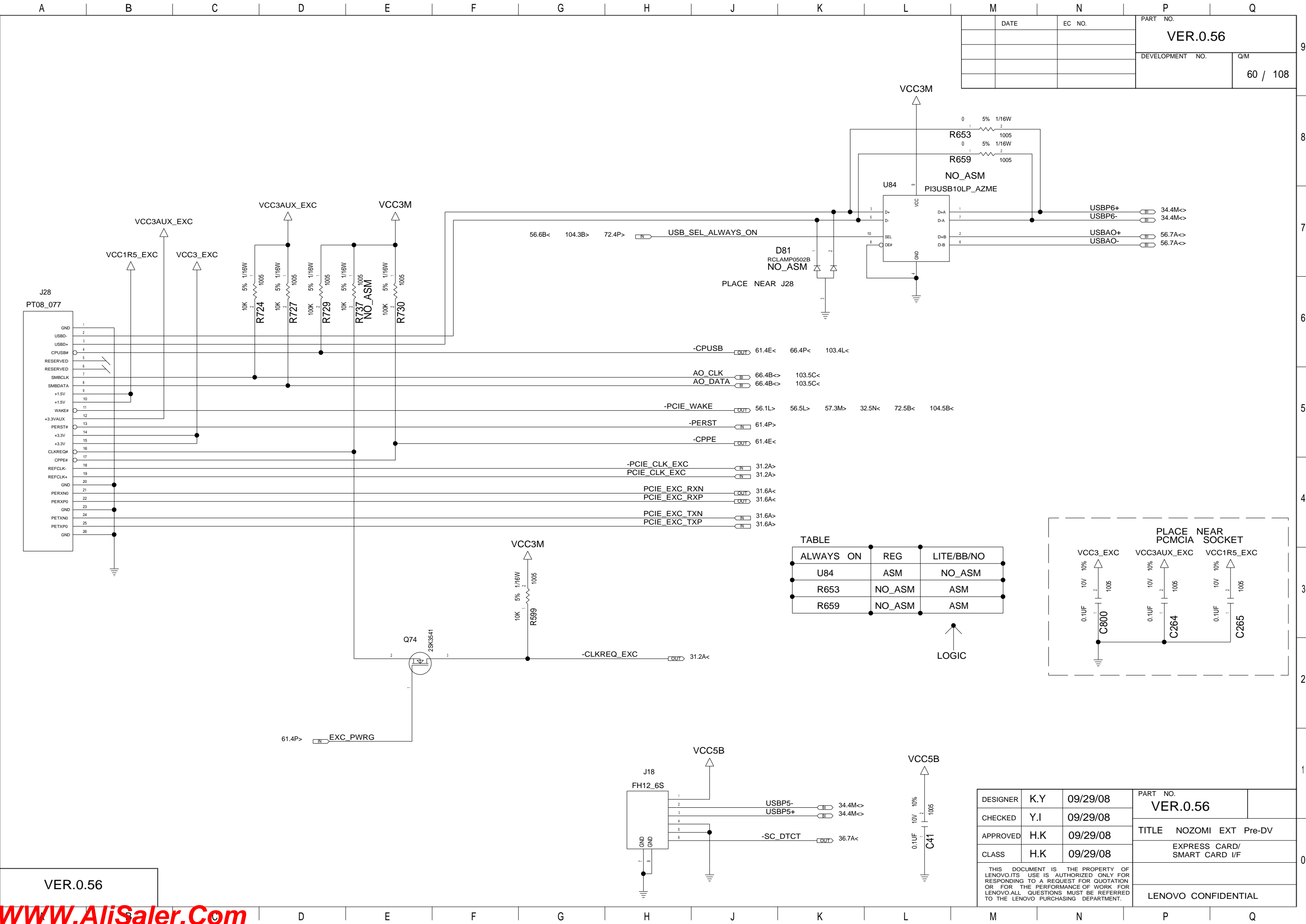
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MFIO00		SDWP#	MSBS	XD_D7
MFIO01		SD_D1		XD_D6
MFIO02		SD_D0	MS_D1	XD_D5
MFIO03		(SD_D7)		XD_D4
MFIO04		(SD_D6)	(MS_D5)	XD_D3
MFIO05		SD_CLK	MS_D0	XD_D2
MFIO06				XD_D1
MFIO07		(SD_D5)	(MS_D4)	XD_D0
MFIO08		SD_CDM	MS_D2	XD_WP#
MFIO09		(SD_D4)	(MS_D6)	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#

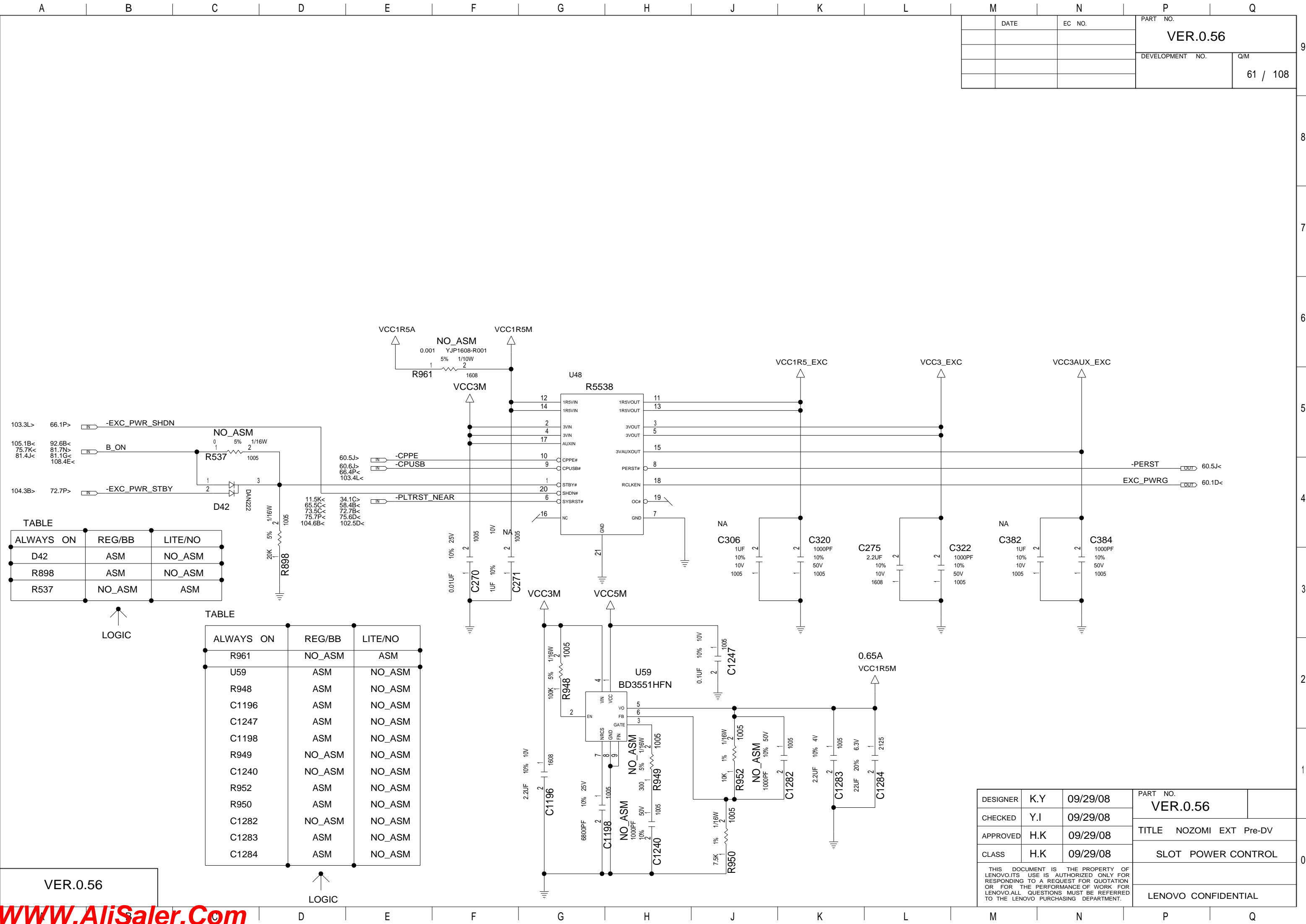
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CHECKED	Y.I	09/29/08	VER.0.56	
APPROVED	H.K	09/29/08	TITLE NOZOMI EXT Pre-DV	
CLASS	H.K	09/29/08	1394/MEDIA CARD CONTROLLER	
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CHECKED	Y.I	09/29/08	VER.0.56	
APPROVED	H.K	09/29/08	TITLE NOZOMI EXT Pre-DV	
CLASS	H.K	09/29/08	MEDIA CARD INTERFACE	
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DESIGNER	K.Y	09/29/08	PART NO.	
CHECKED	Y.I	09/29/08	VER.0.56	
APPROVED	H.K	09/29/08	TITLE NOZOMI EXT Pre-DV	
CLASS	H.K	09/29/08	SLOT POWER CONTROL	
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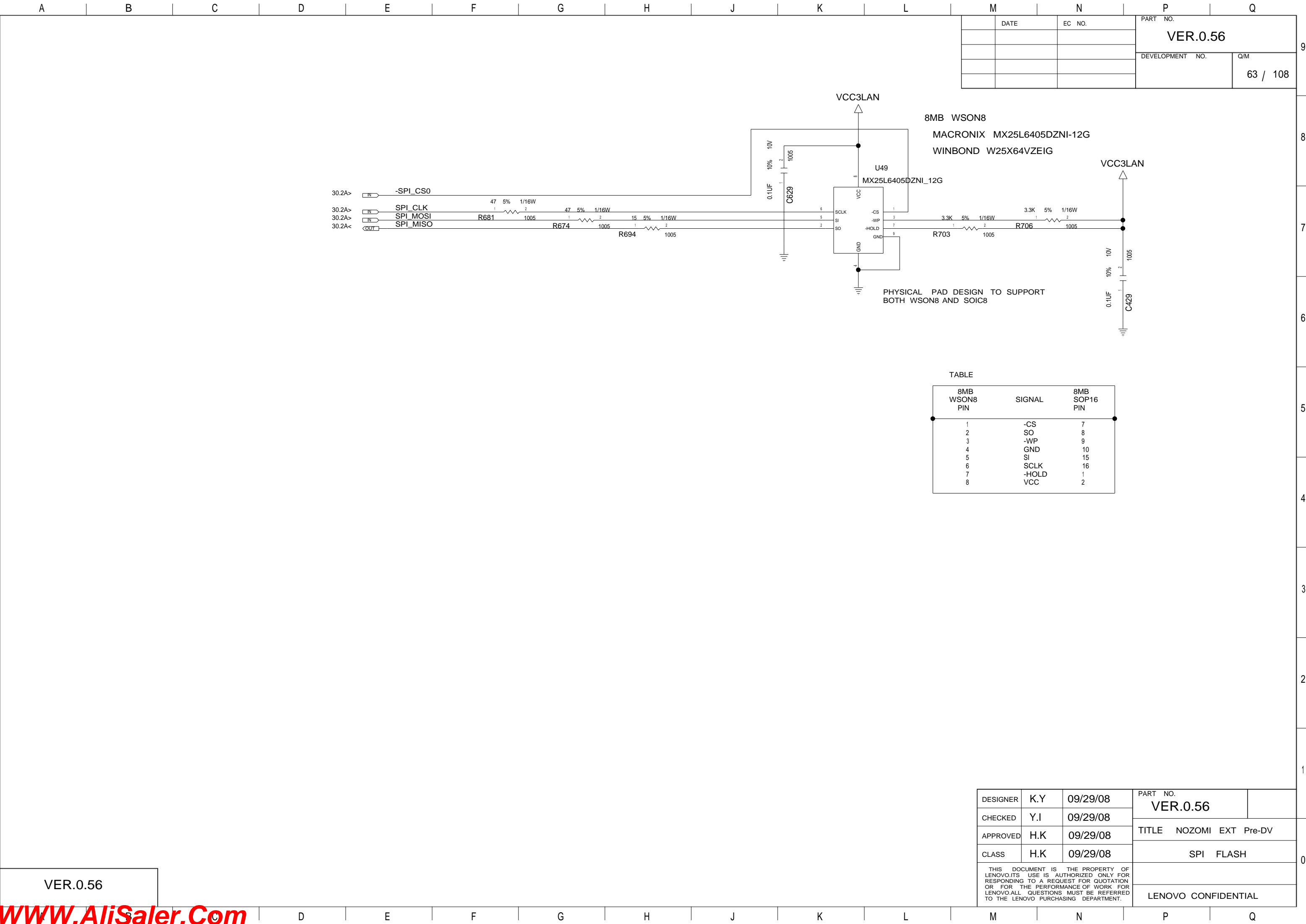
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													DATE	EC NO.	PART NO. VER.0.56					
															DEVELOPMENT NO.				Q/M 62 / 108	

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CLASS	H.K	09/29/08			
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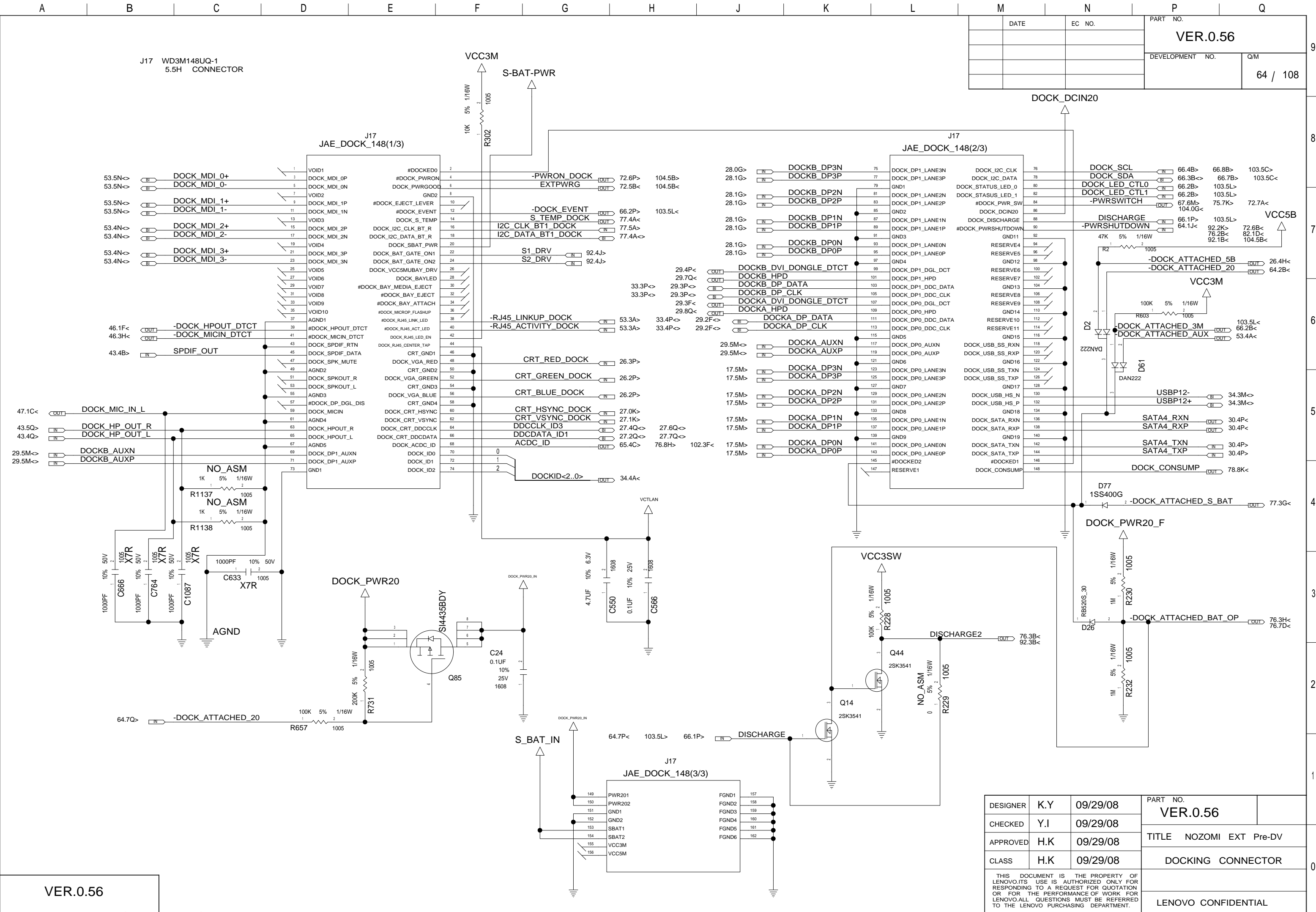
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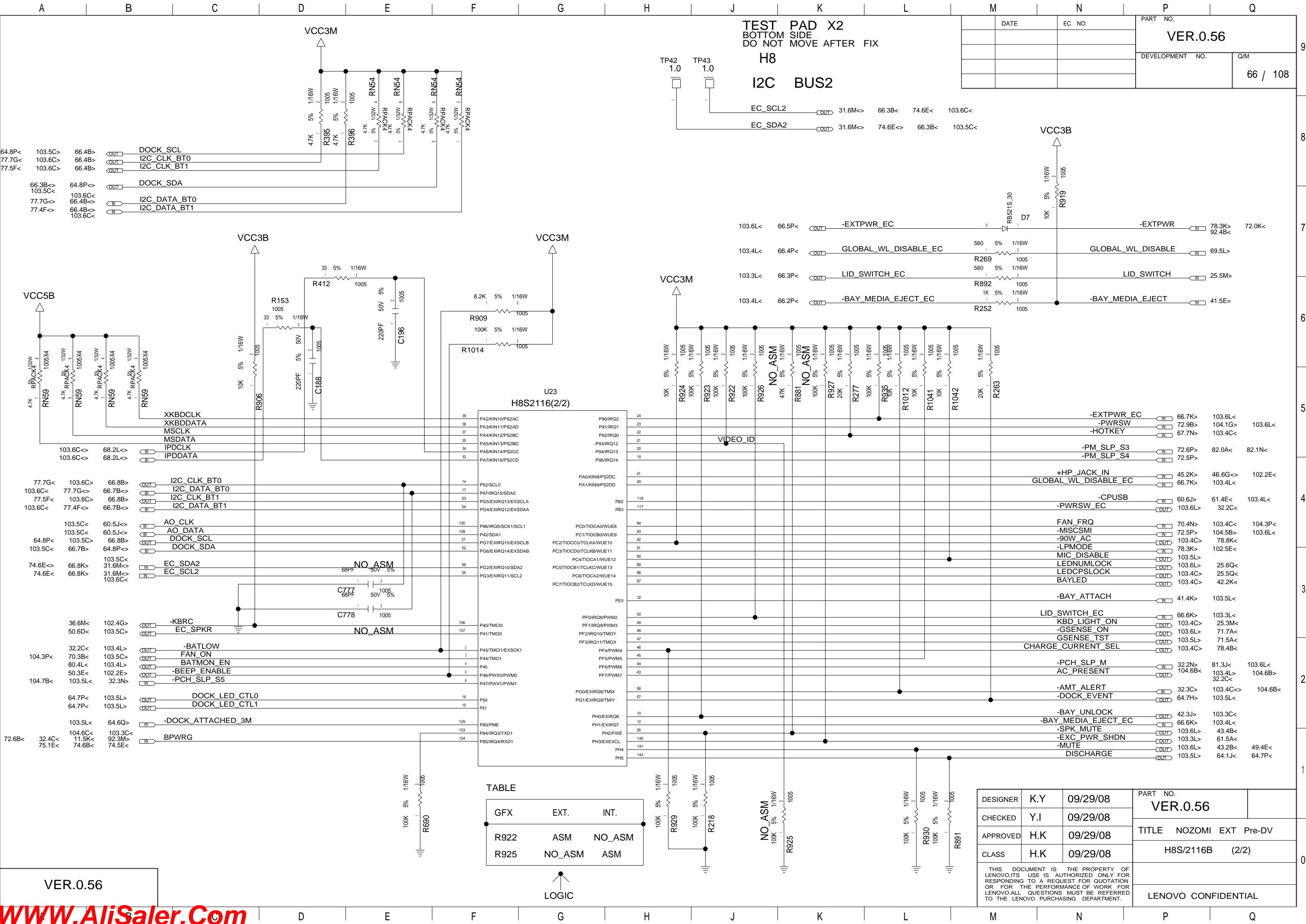
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			Q/M	
			63 / 108	

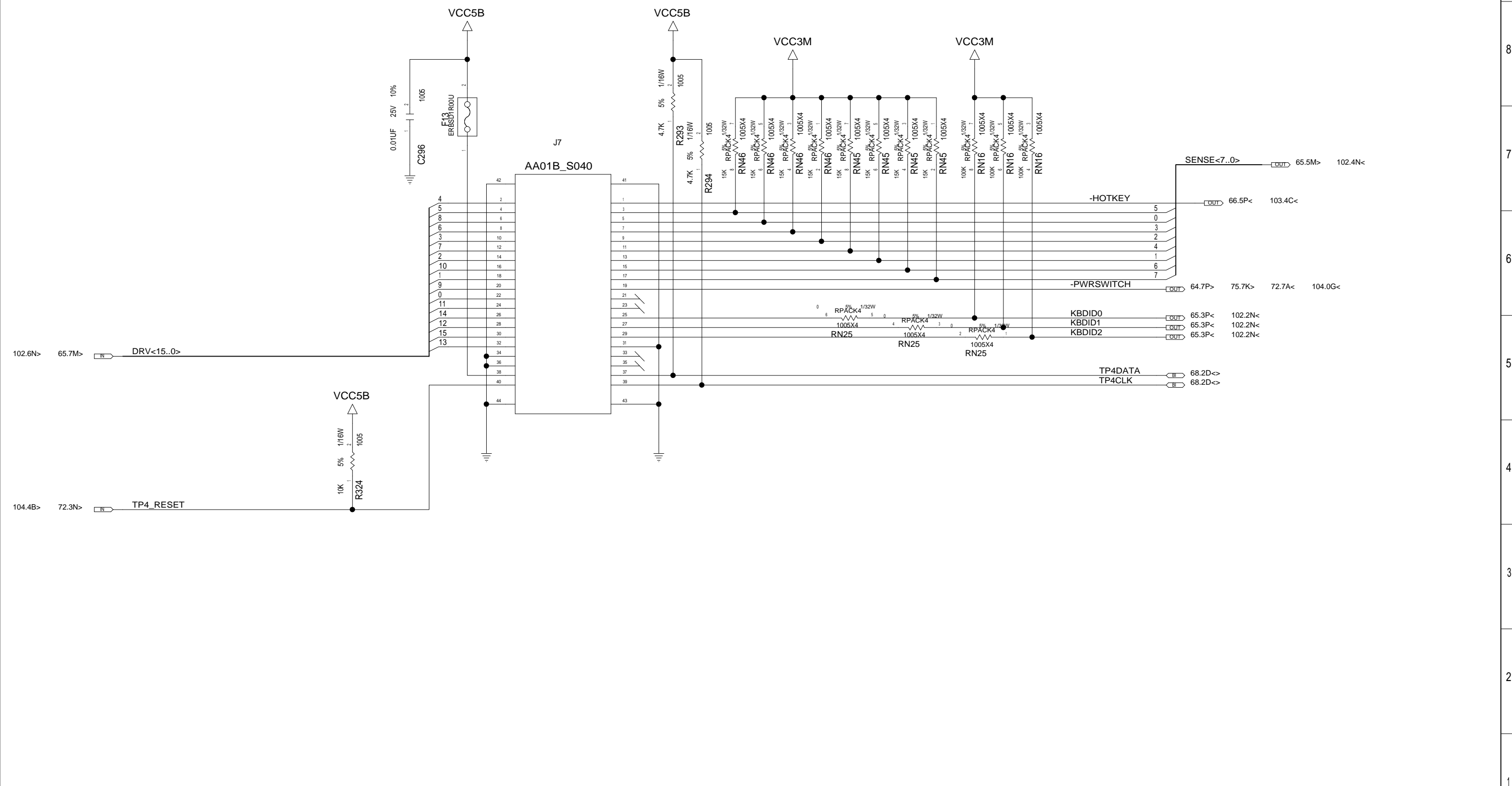
VER.0.56

DESIGNER	K.Y	09/29/08	PART NO.	
CHECKED	Y.I	09/29/08	VER.0.56	
APPROVED	H.K	09/29/08	TITLE NOZOMI EXT Pre-DV	
CLASS	H.K	09/29/08	SPI FLASH	
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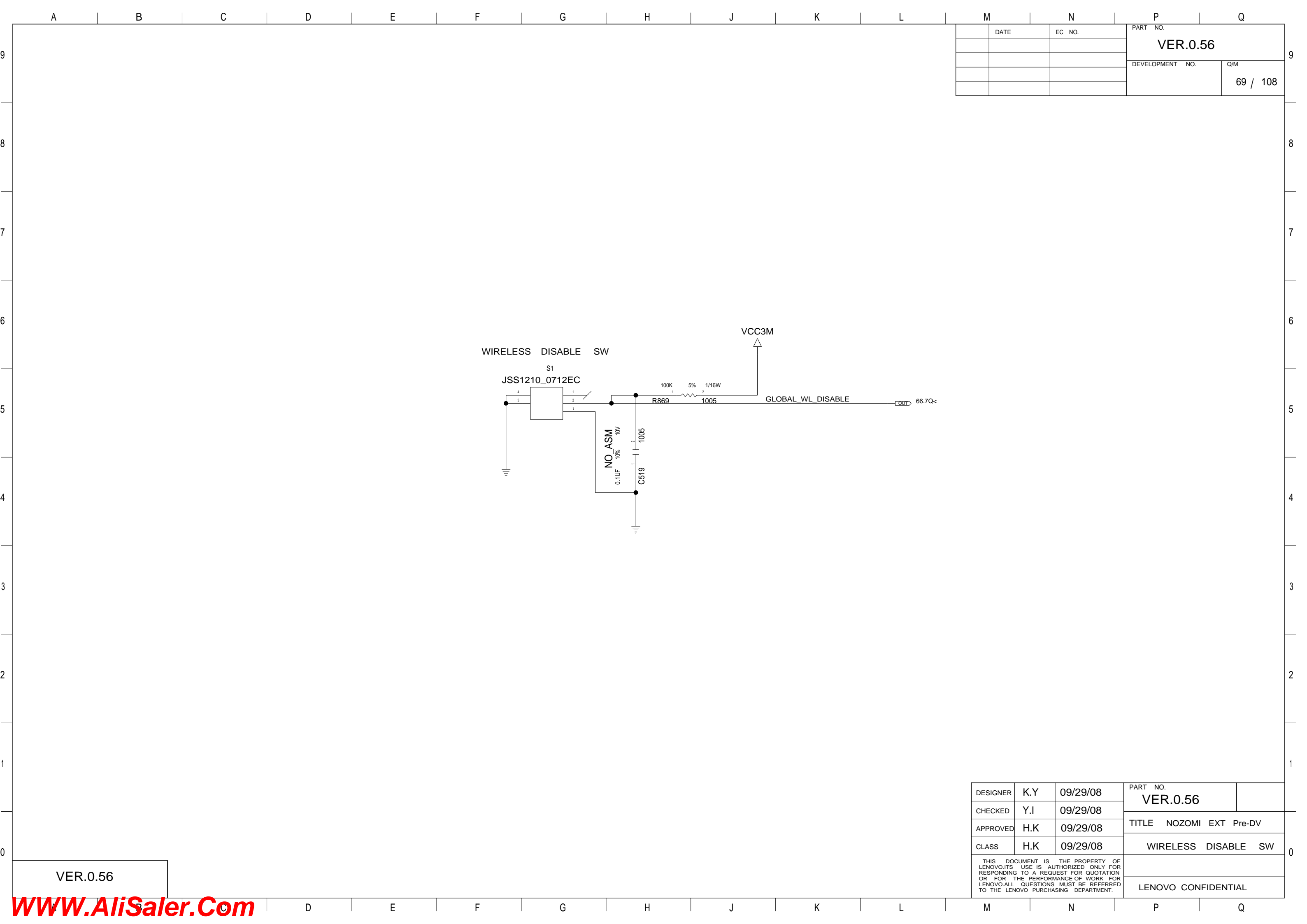


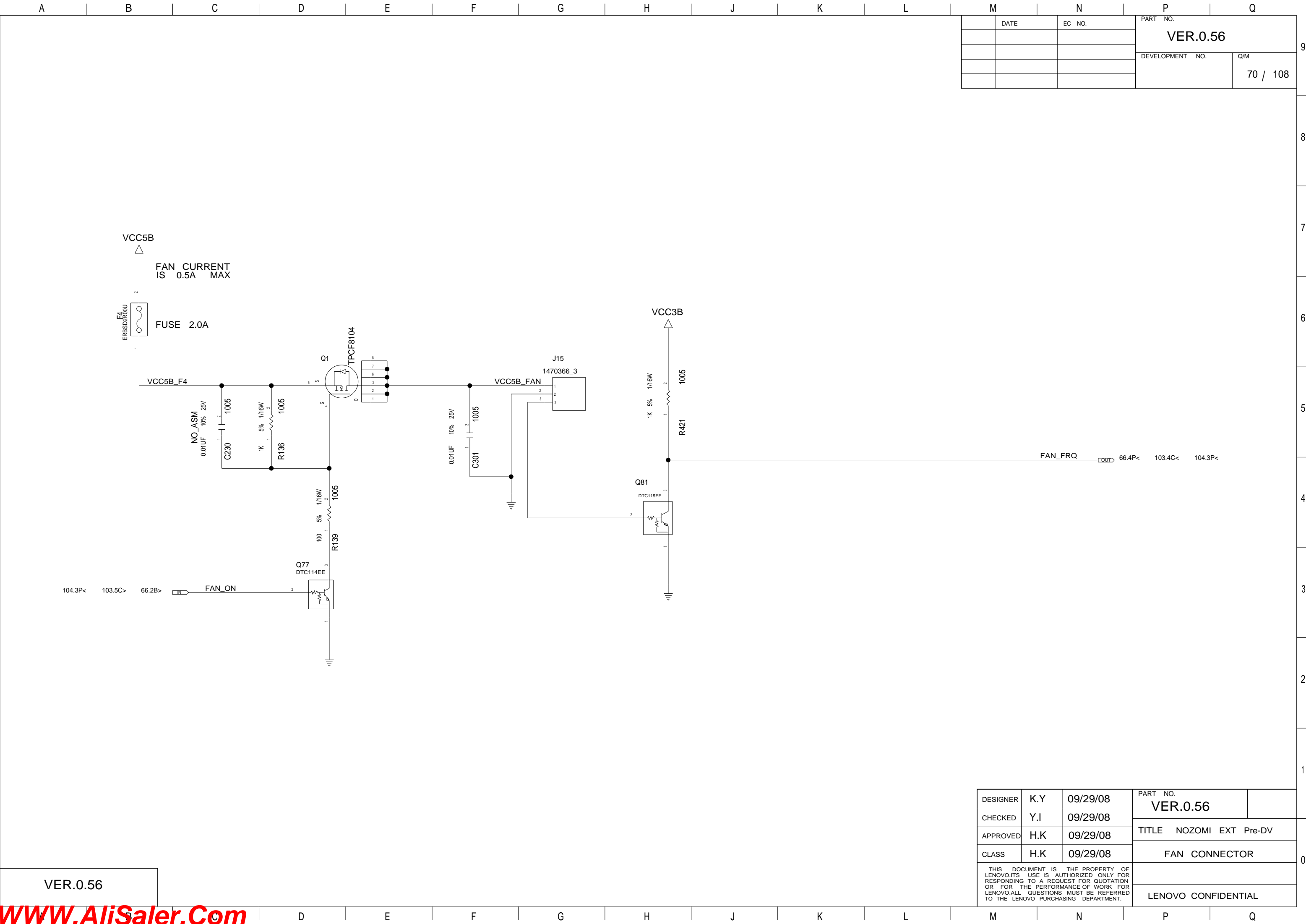
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CHECKED	Y.I	09/29/08	VER.0.56	
APPROVED	H.K	09/29/08	TITLE NOZOMI EXT Pre-DV	
CLASS	H.K	09/29/08	DOCKING CONNECTOR	
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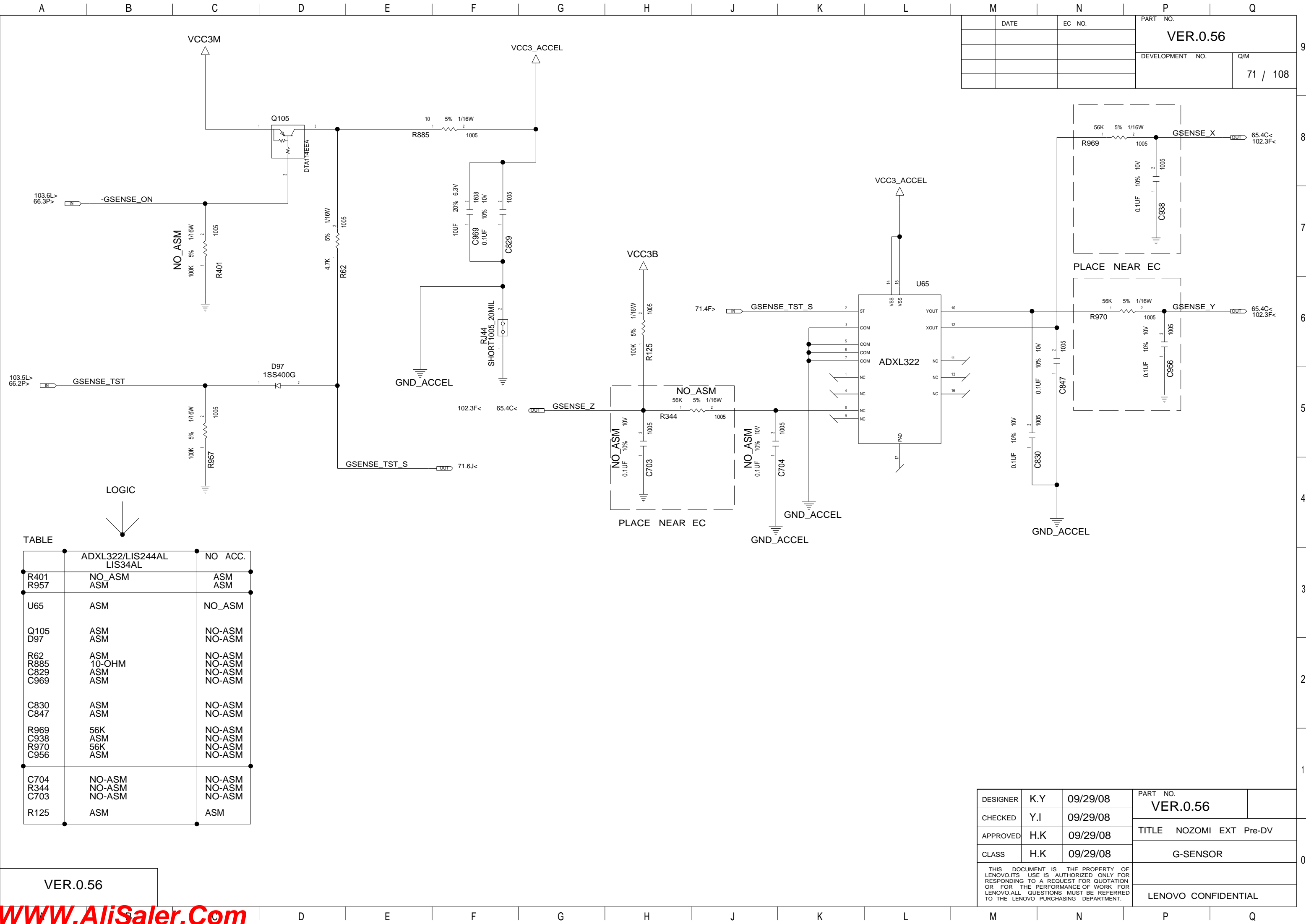
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APPROVED	H.K	09/29/08	KEYBOARD CONNECTOR	
CLASS	H.K	09/29/08	LENovo CONFIDENTIAL	
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DATE		EC NO.	PART NO.	
			VER.0.56	

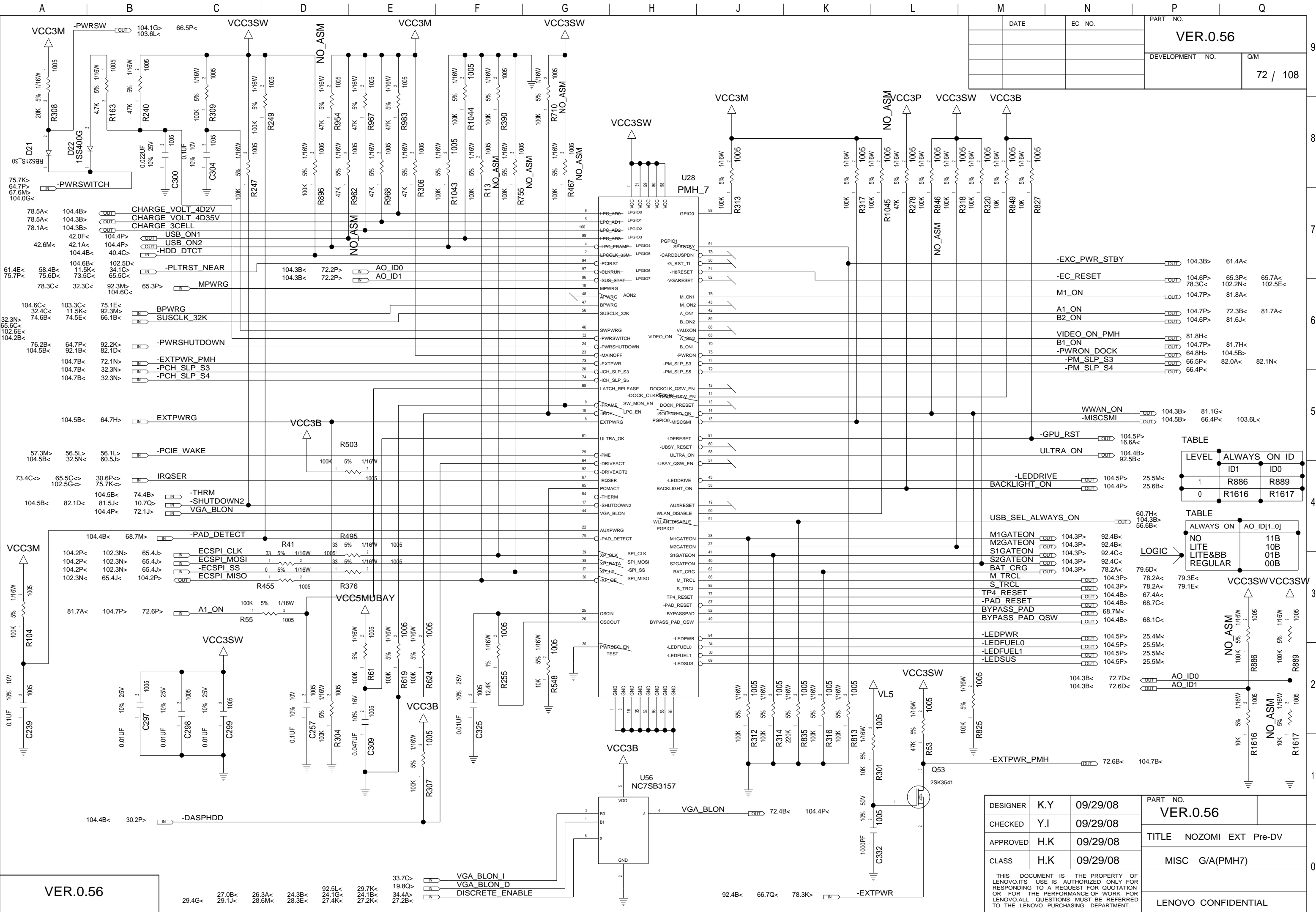
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APPROVED	H.K	09/29/08	TITLE NOZOMI EXT Pre-DV	
CLASS	H.K	09/29/08	FAN CONNECTOR	
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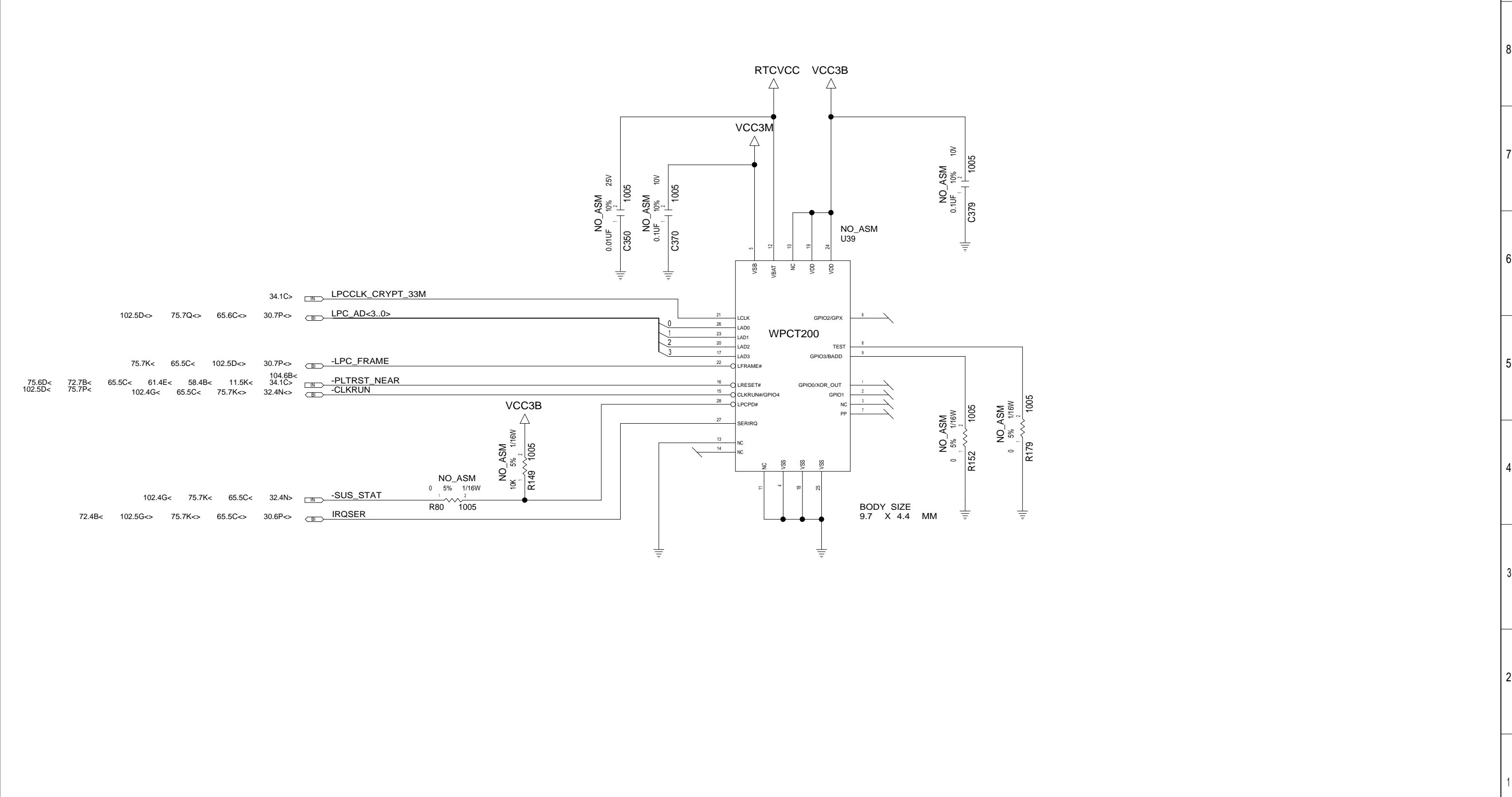


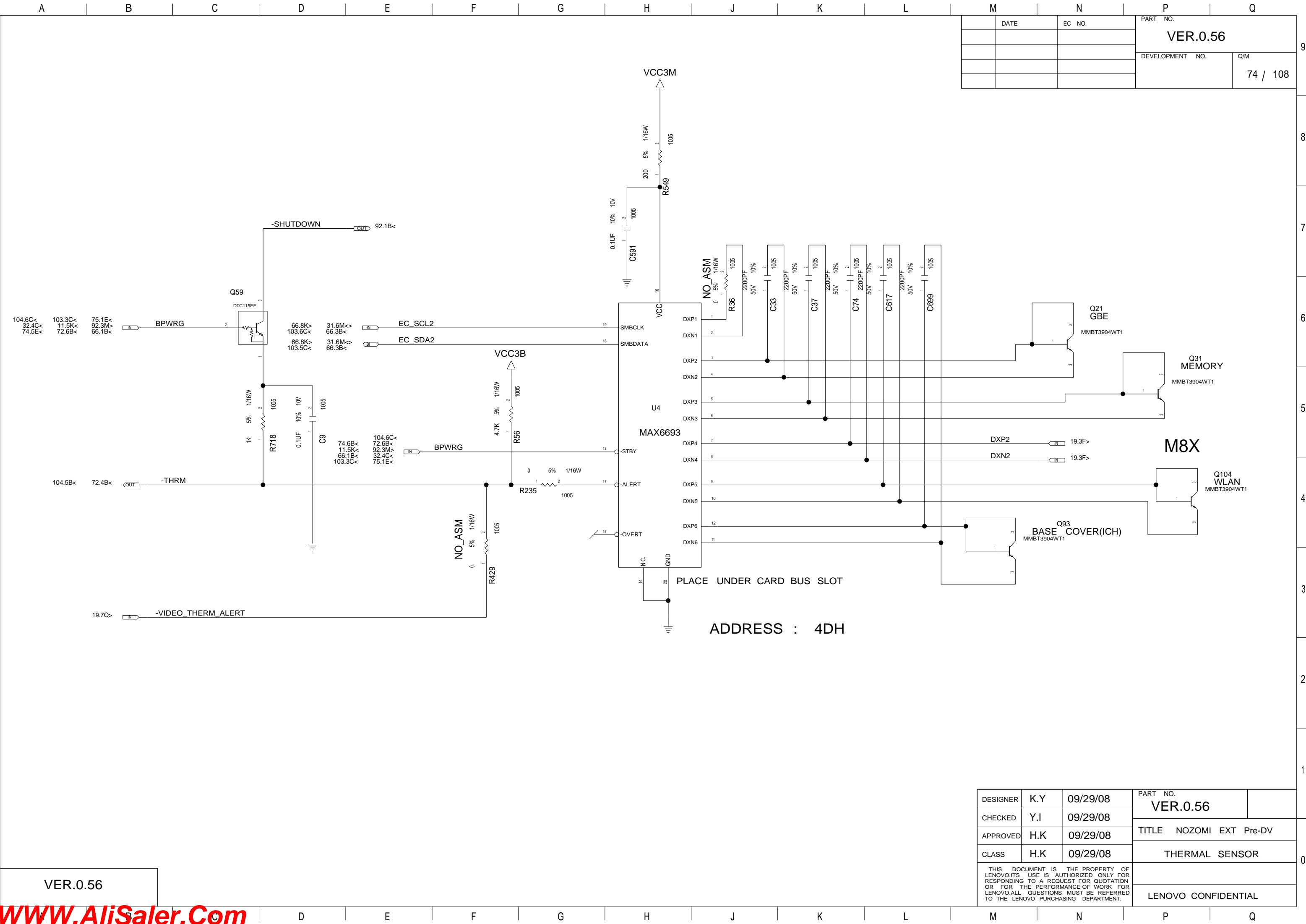
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			VER.0.56	
			DEVELOPMENT NO.	Q/M
				71 / 108

TABLE		
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R401	NO_ASM	ASM
R957	ASM	ASM
U65	ASM	NO_ASM
Q105	ASM	NO-ASM
D97	ASM	NO-ASM
R62	ASM	NO-ASM
R885	10-OHM	NO-ASM
C829	ASM	NO-ASM
C969	ASM	NO-ASM
C830	ASM	NO-ASM
C847	ASM	NO-ASM
R969	56K	NO-ASM
C938	ASM	NO-ASM
R970	56K	NO-ASM
C956	ASM	NO-ASM
C704	NO-ASM	NO-ASM
R344	NO-ASM	NO-ASM
C703	NO-ASM	NO-ASM
R125	ASM	ASM

DESIGNER	K.Y	09/29/08	PART NO.	
CHECKED	Y.I	09/29/08	VER.0.56	
APPROVED	H.K	09/29/08	TITLE NOZOMI EXT Pre-DV	
CLASS	H.K	09/29/08	G-SENSOR	
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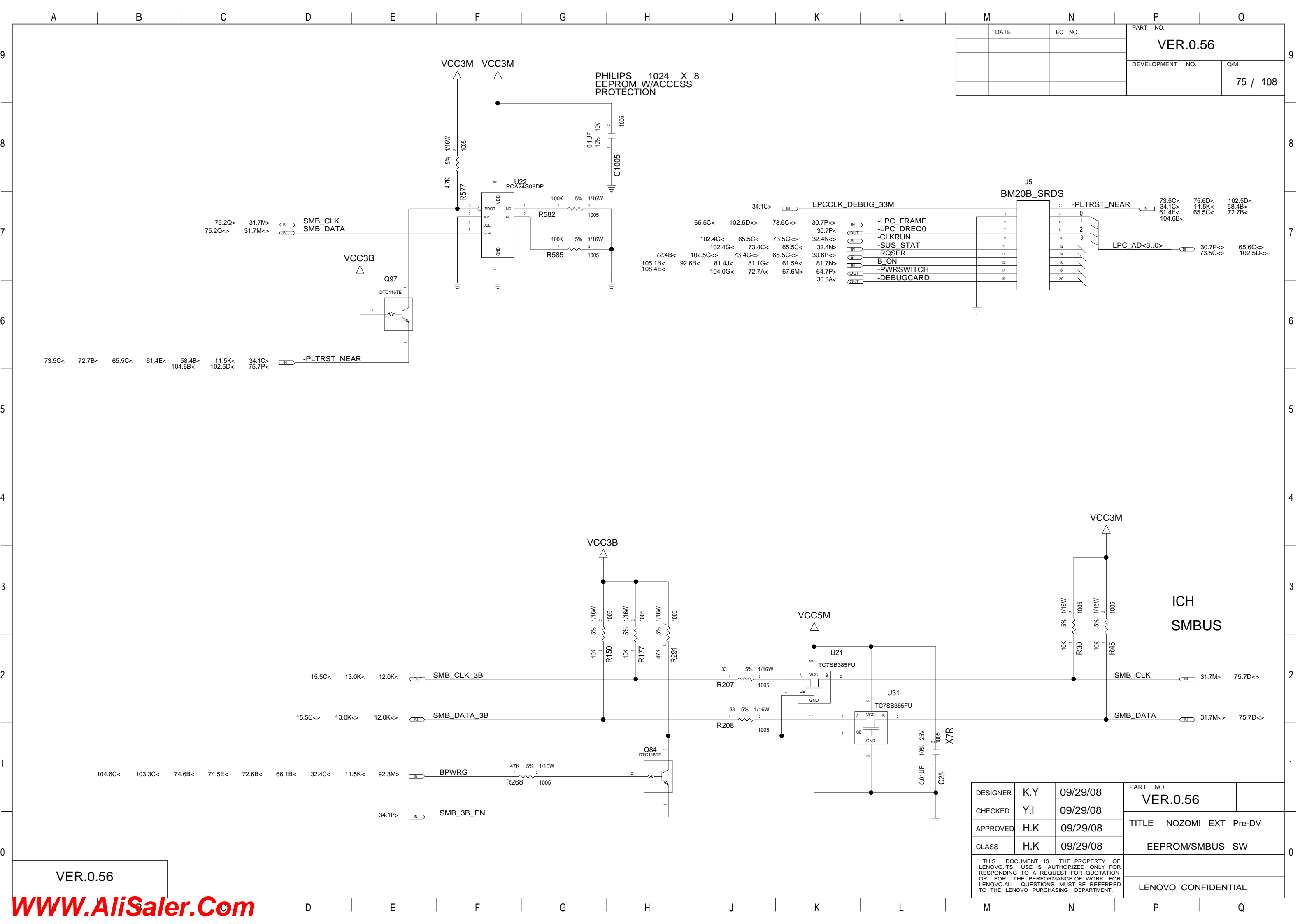


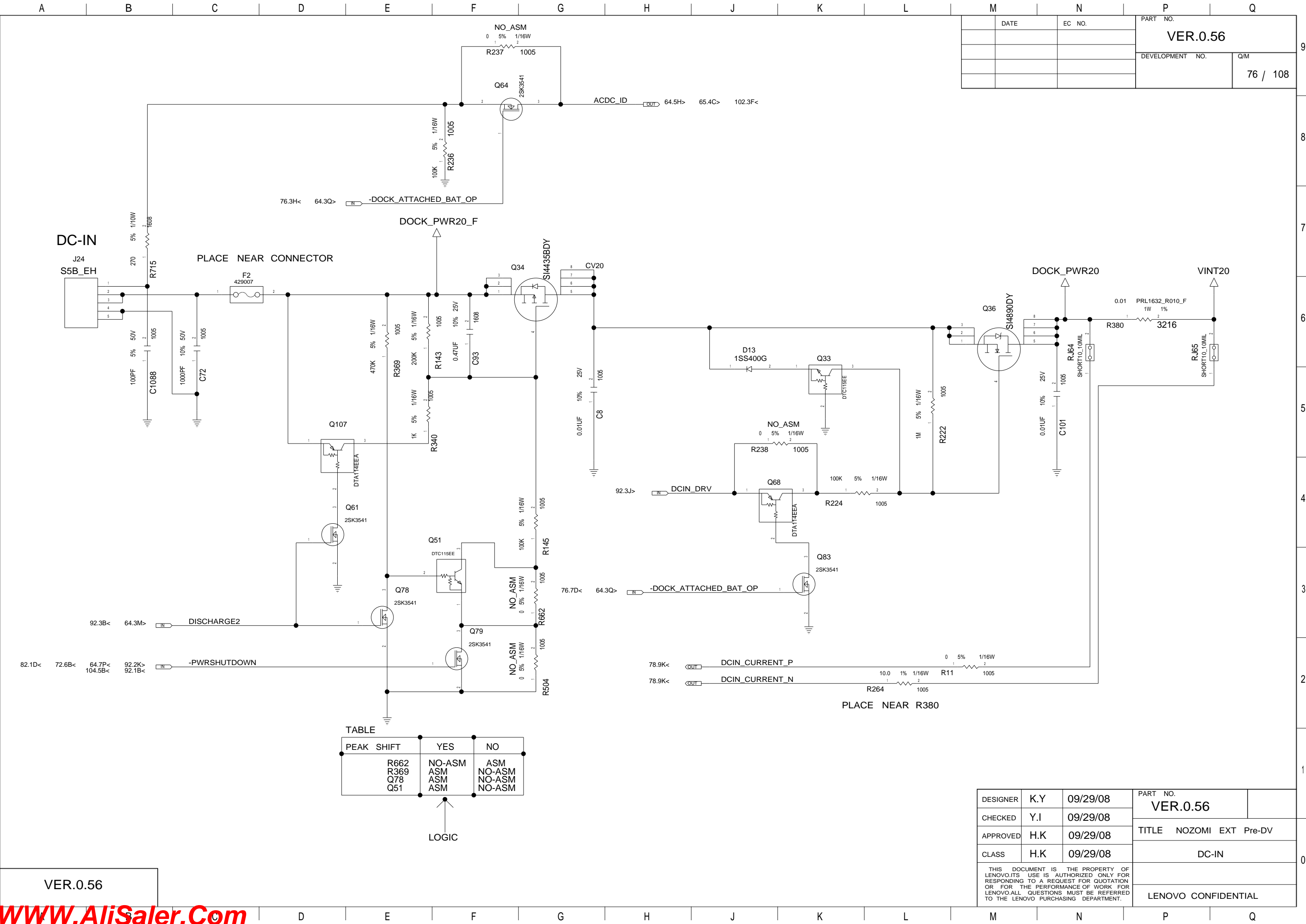


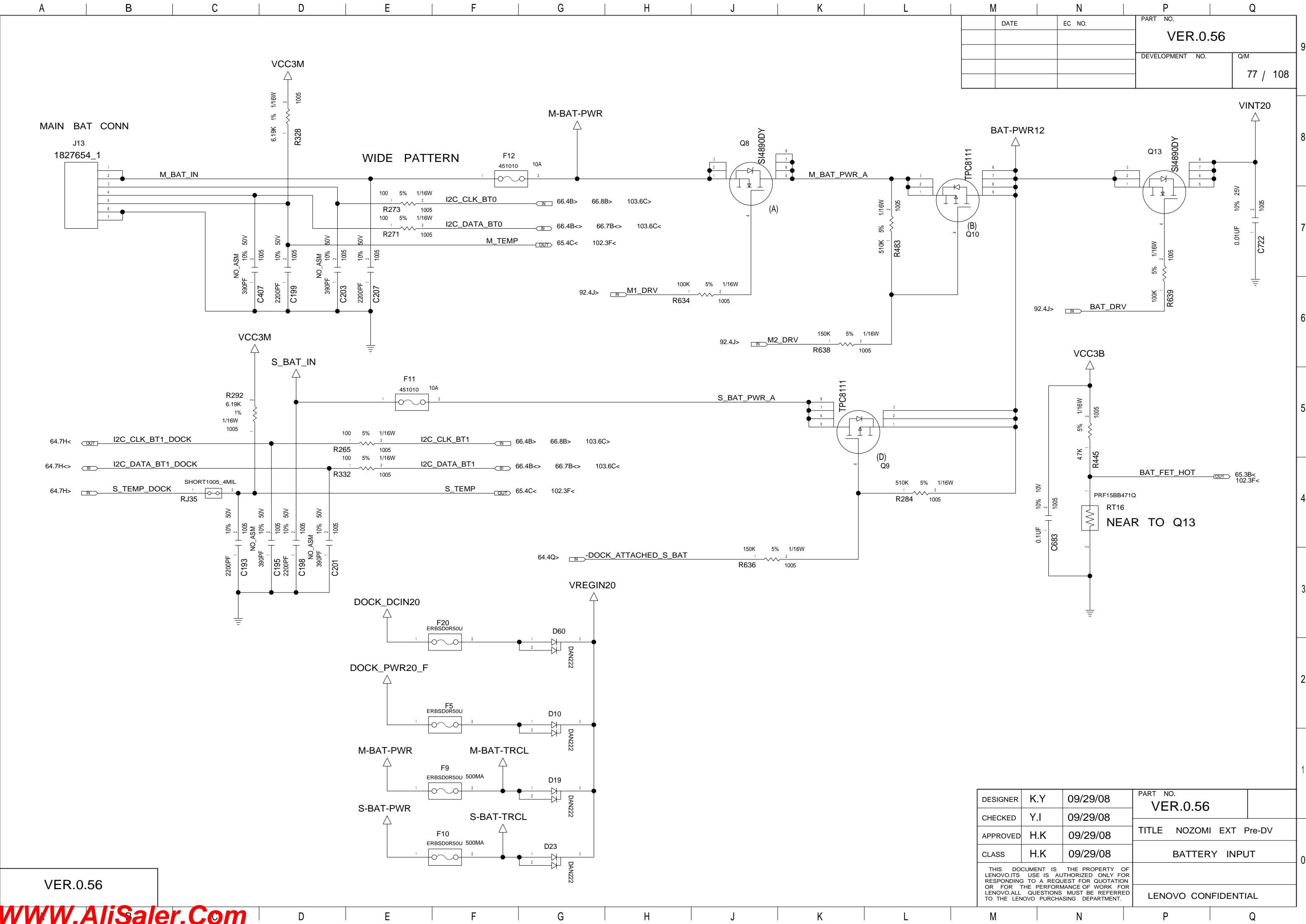
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			DEVELOPMENT NO.	
			Q/M	
			74 / 108	

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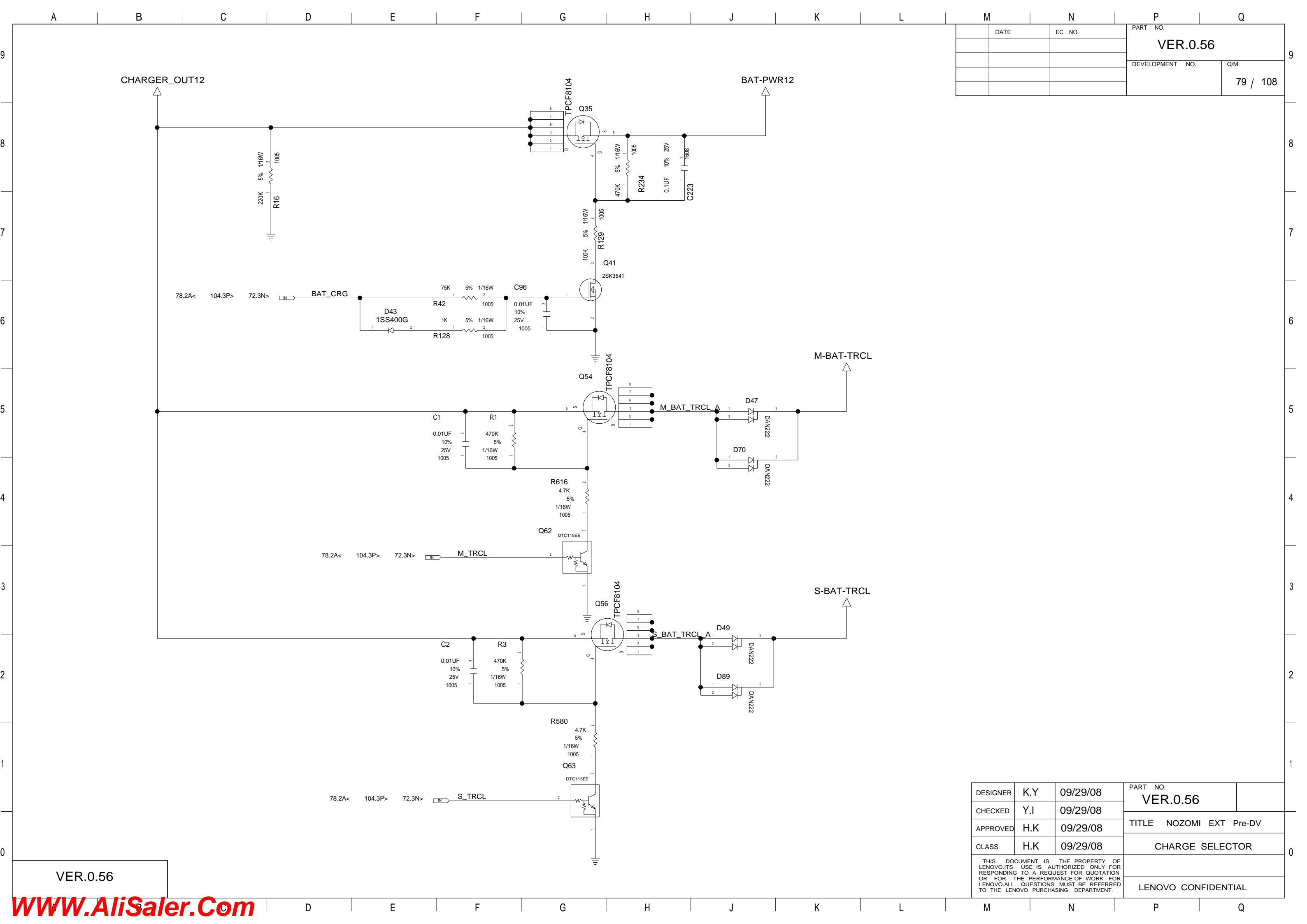
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APPROVED	H.K	09/29/08	TITLE NOZOMI EXT Pre-DV	
CLASS	H.K	09/29/08	THERMAL SENSOR	
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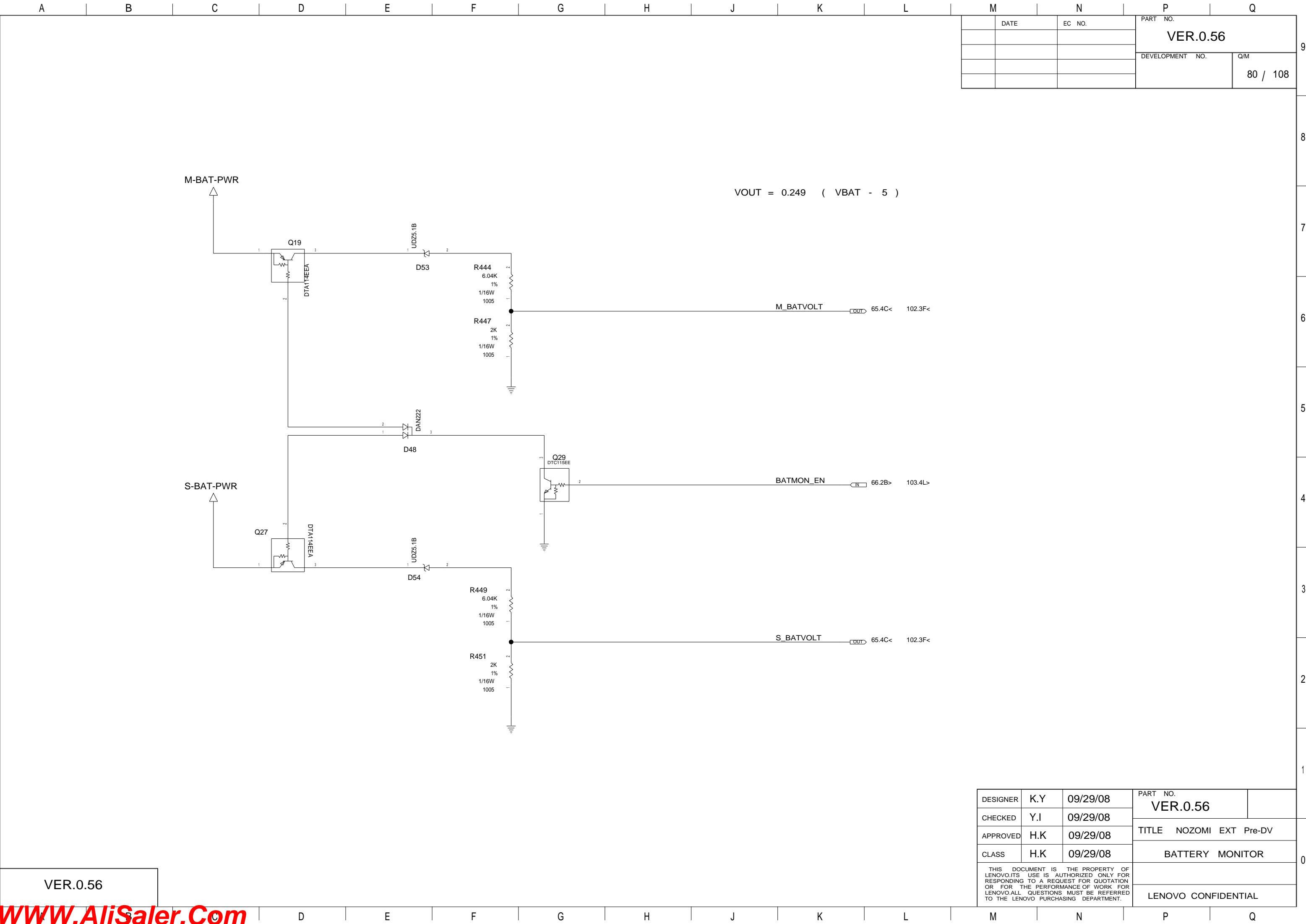








M		N		P		Q	
	DATE	EC NO.		PART NO. VER.0.56			
				DEVELOPMENT NO.		Q/M	
						79 / 108	

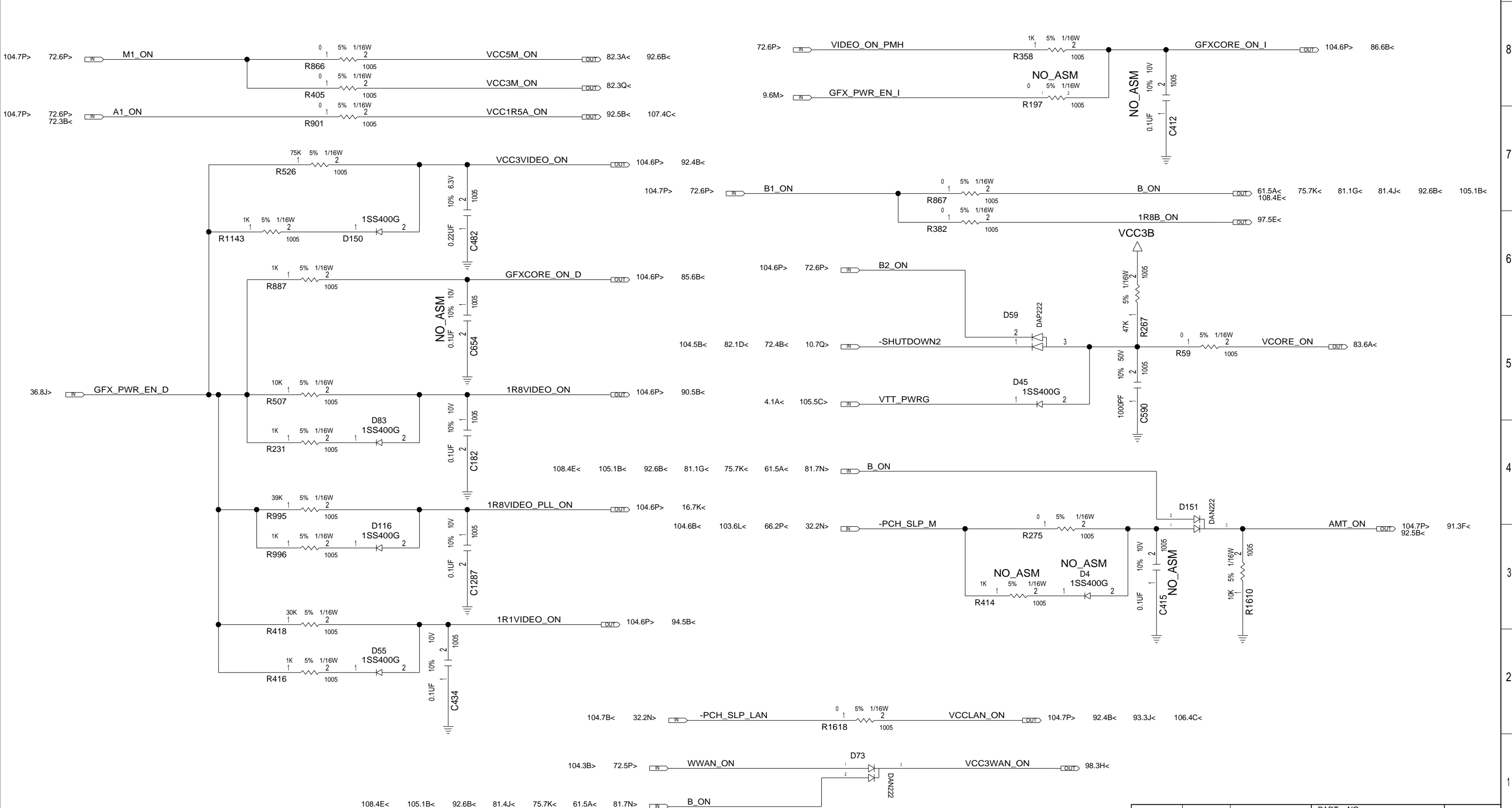


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DATE		EC NO.		PART NO.		VER.0.56	
				DEVELOPMENT NO.		Q/M	
						80 / 108	

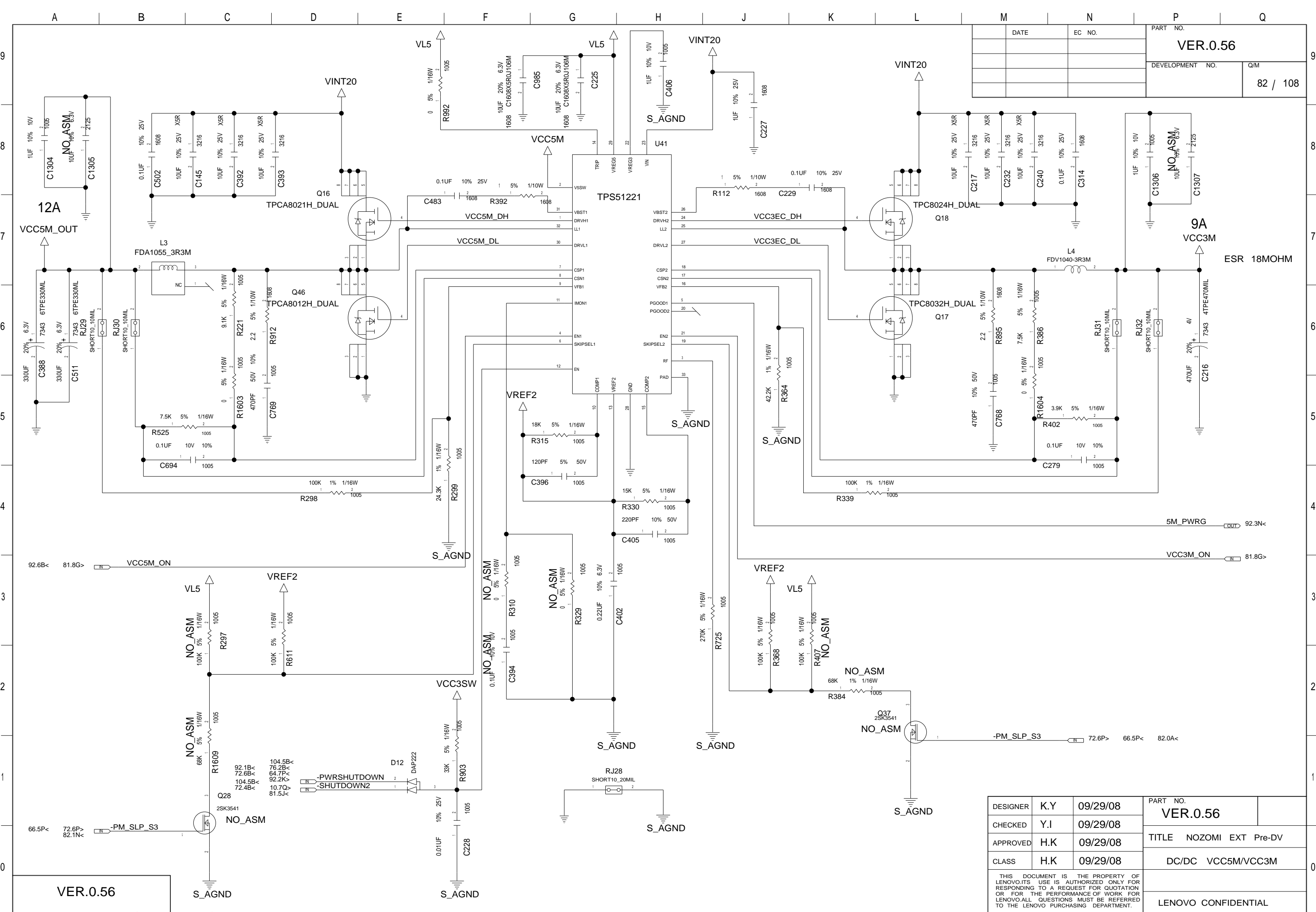
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DESIGNER	K.Y	09/29/08	PART NO.		VER.0.56	
CHECKED	Y.I	09/29/08				
APPROVED	H.K	09/29/08	TITLE NOZOMI EXT Pre-DV			
CLASS	H.K	09/29/08	BATTERY MONITOR			
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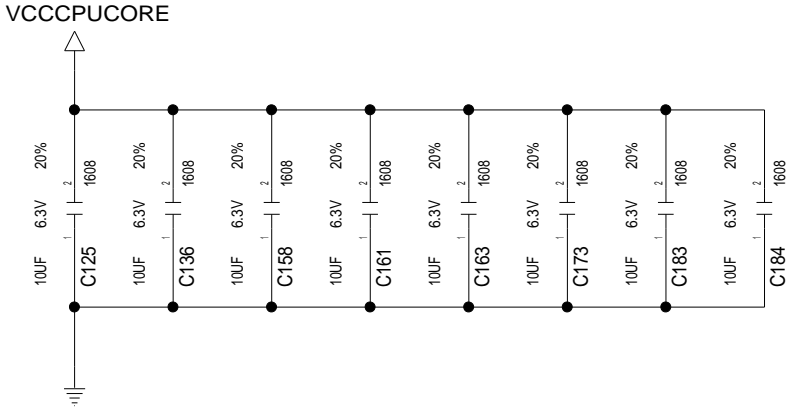
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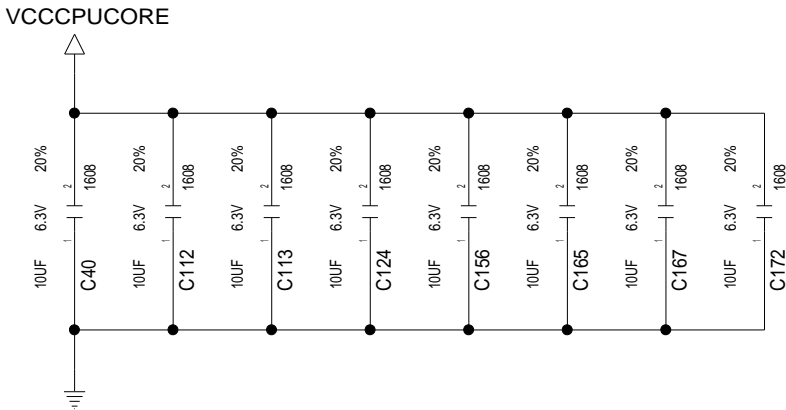
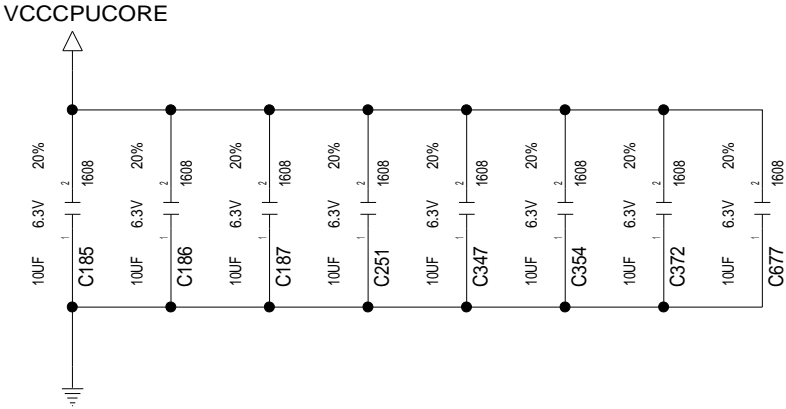
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			VER.0.56
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			Q/M
			82 / 108

DESIGNER	K.Y	09/29/08	PART NO.
CHECKED	Y.I	09/29/08	VER.0.56
APPROVED	H.K	09/29/08	TITLE NOZOMI EXT Pre-DV
CLASS	H.K	09/29/08	DC/DC VCC5M/VCC3M
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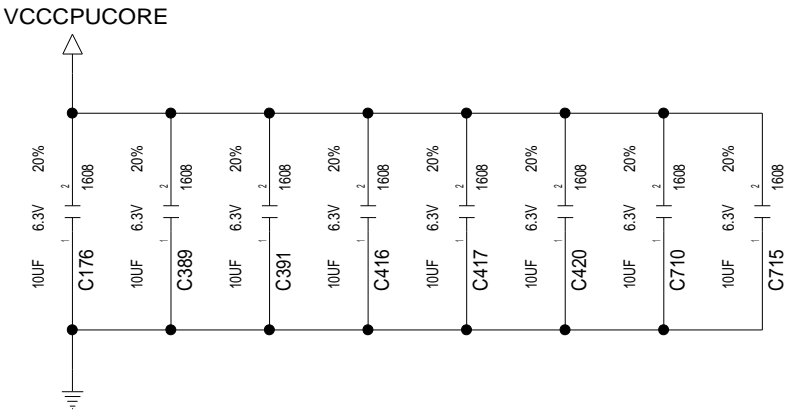




10UF 6.3V X5R 1608 1/16W X 16PCS



10UF 6.3V X5R 1608 1/16W X 16PCS



DESIGNER	K.Y	09/29/08	PART NO.	
CHECKED	Y.I	09/29/08	VER.0.56	
APPROVED	H.K	09/29/08	TITLE	NOZOMI EXT Pre-DV
CLASS	H.K	09/29/08	VCCCPUCORE DECOUPLING	
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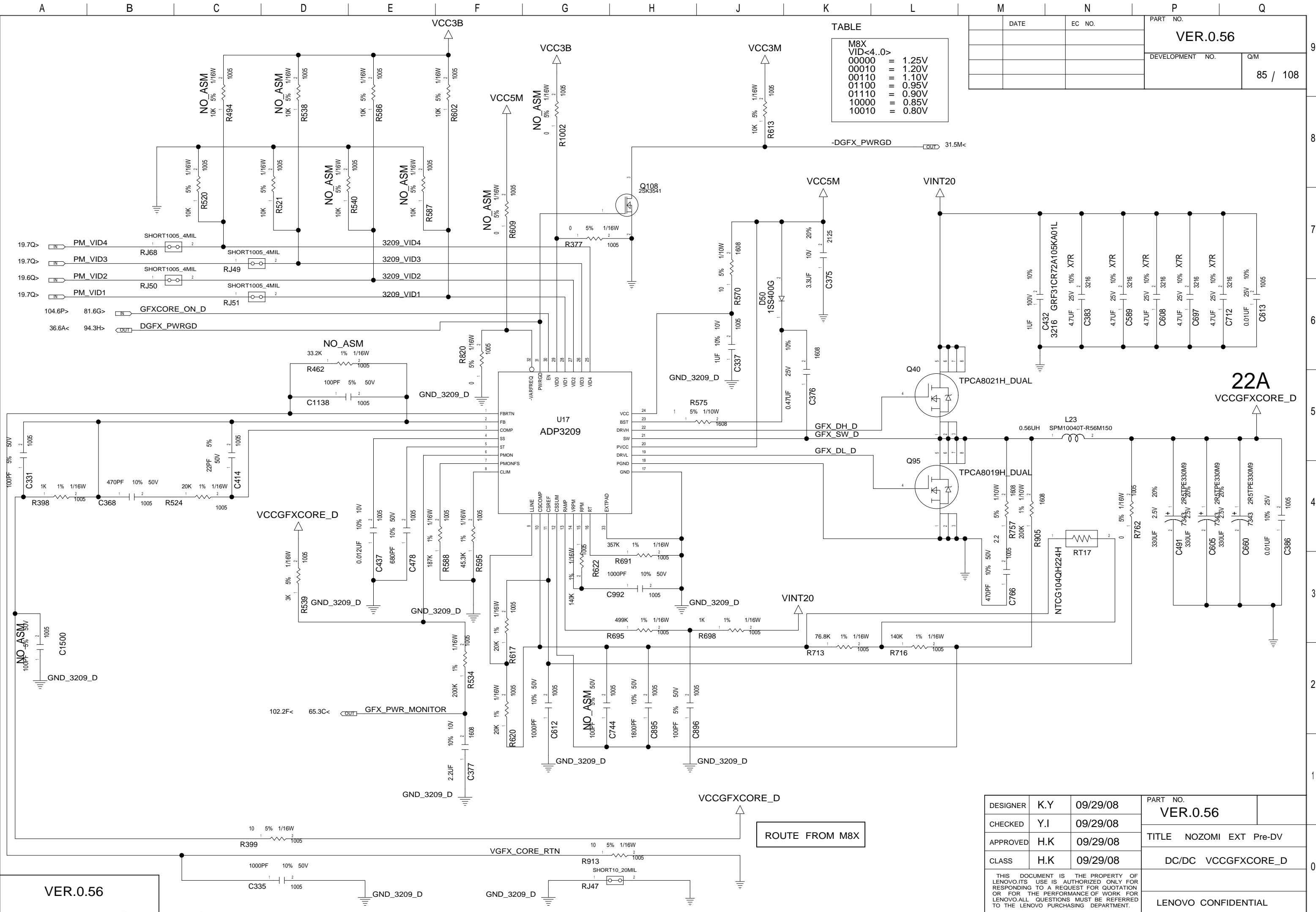
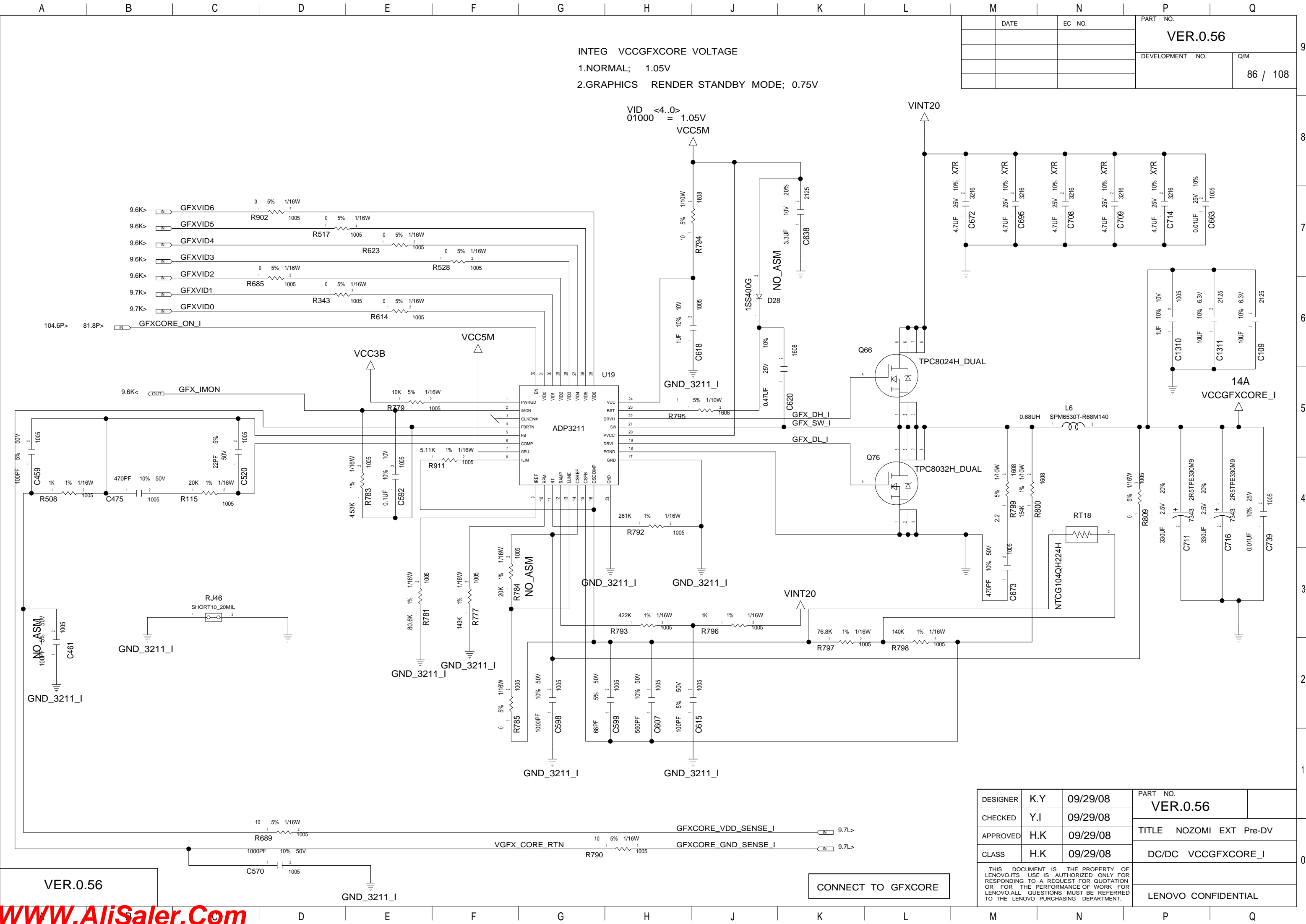


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M8X	
VID<4..0>	
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00010	= 1.20V
00110	= 1.10V
01100	= 0.95V
01110	= 0.90V
10000	= 0.85V
10010	= 0.80V

DATE		EC NO.	PART NO.	
			VER.0.56	
			DEVELOPMENT NO.	Q/M
				85 / 108

DESIGNER	K.Y	09/29/08	PART NO.	
CHECKED	Y.I	09/29/08	VER.0.56	
APPROVED	H.K	09/29/08	TITLE NOZOMI EXT Pre-DV	
CLASS	H.K	09/29/08	DC/DC VCCGFXCORE_D	
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INTEG VCCGFXCORE VOLTAGE
1.NORMAL; 1.05V
2.GRAPHICS RENDER STANDBY MODE; 0.75V

DATE		EC NO.	PART NO.	
			VER.0.56	
			DEVELOPMENT NO.	Q/M
				86 / 108

DESIGNER	K.Y	09/29/08	PART NO.	
CHECKED	Y.I	09/29/08	VER.0.56	
APPROVED	H.K	09/29/08	TITLE NOZOMI EXT Pre-DV	
CLASS	H.K	09/29/08	DC/DC VCCGFXCORE_I	
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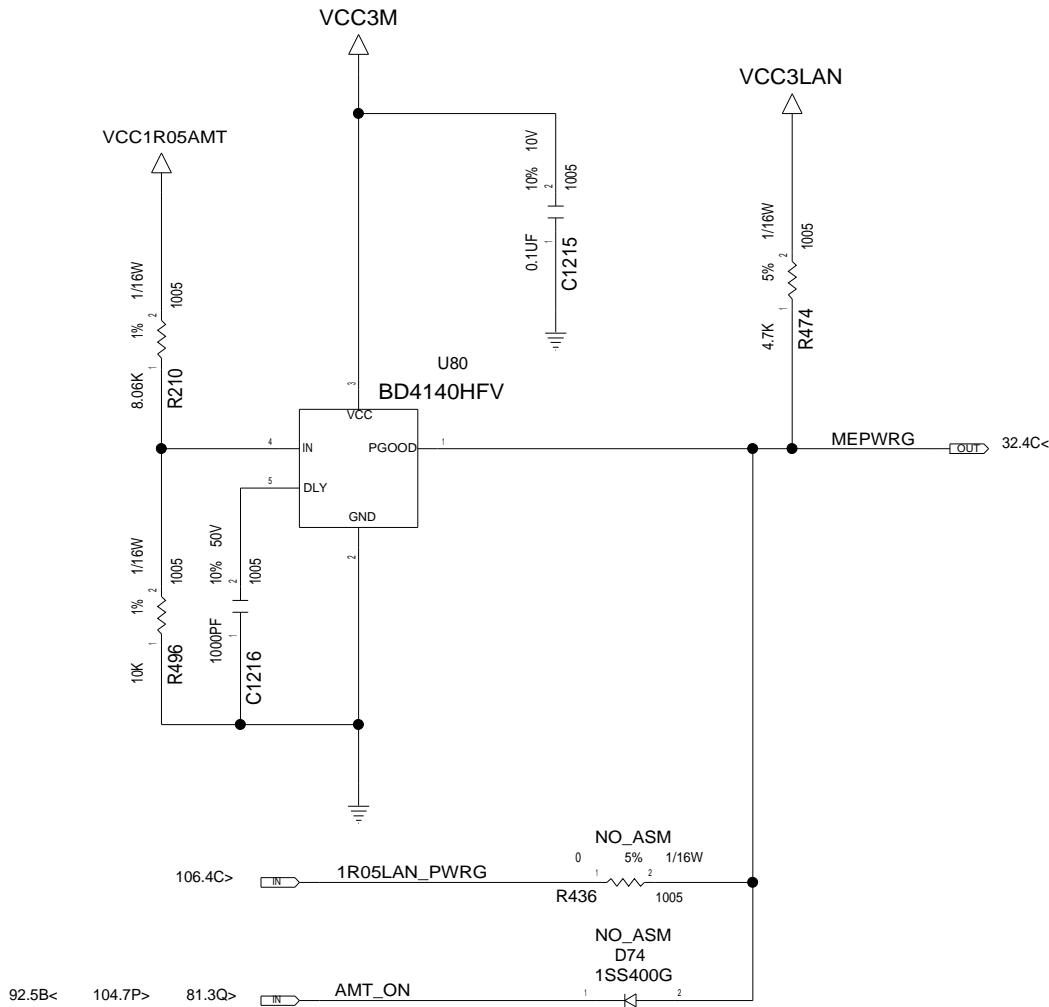
VER.0.56

CONNECT TO GFXCORE

												M		N		P		Q	
													DATE	EC NO.		PART NO. VER.0.56			
																DEVELOPMENT NO.		Q/M 87 / 108	

A		B		C		D		E		F		G		H		J		K		L		M		N		P		Q																							
																							DATE		EC NO.		VER.0.56		PART NO.		9																				
																										DEVELOPMENT NO.		Q/M		88 / 108		9																			
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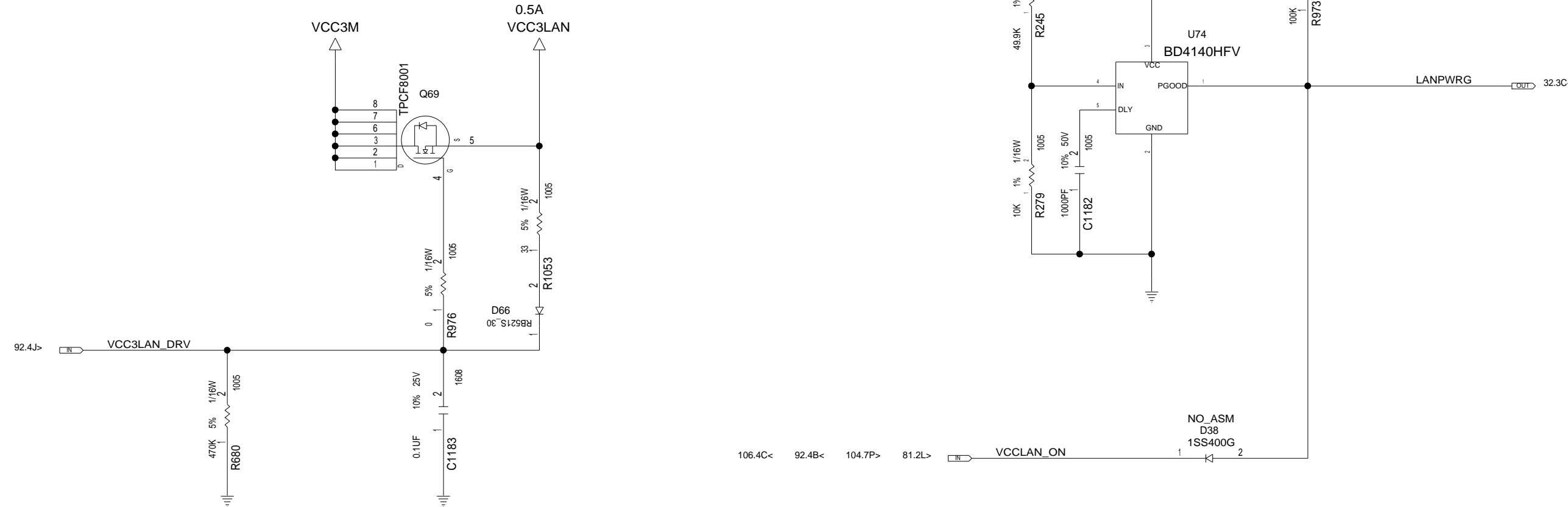
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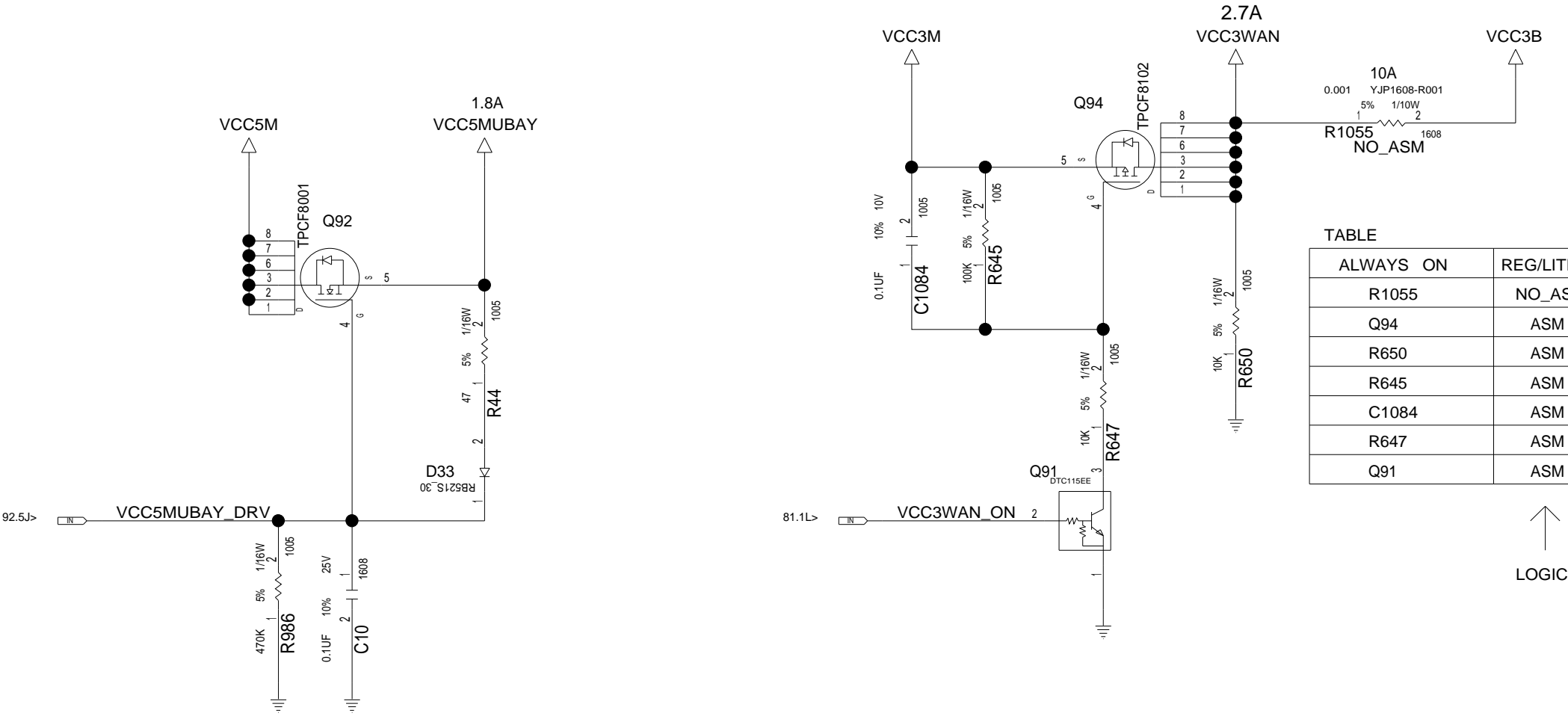
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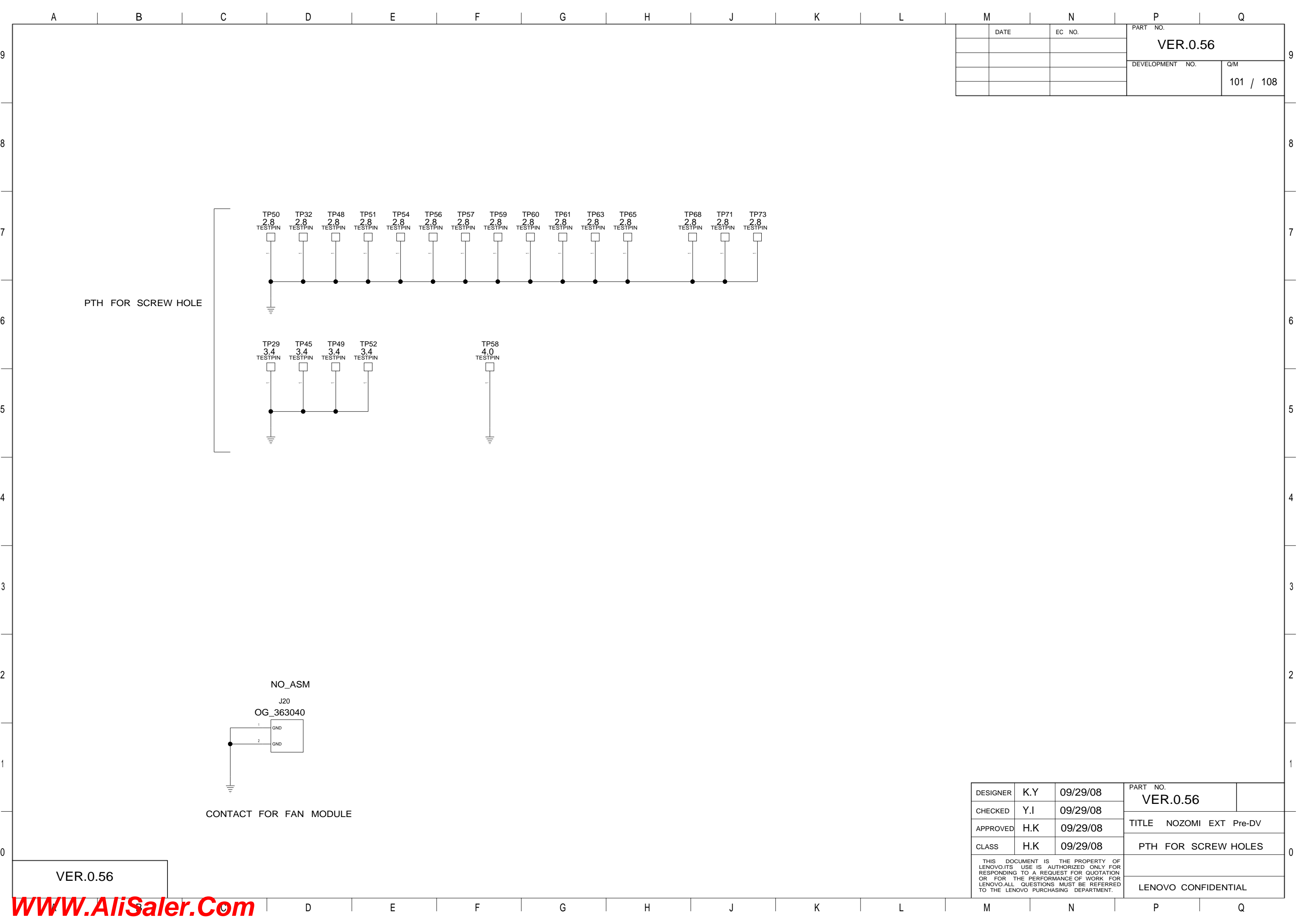
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CHECKED	Y.I	09/29/08	TITLE	NOZOMI EXT Pre-DV
APPROVED	H.K	09/29/08	LOAD SW LAN & LANPWRG	
CLASS	H.K	09/29/08	LENovo CONFIDENTIAL	
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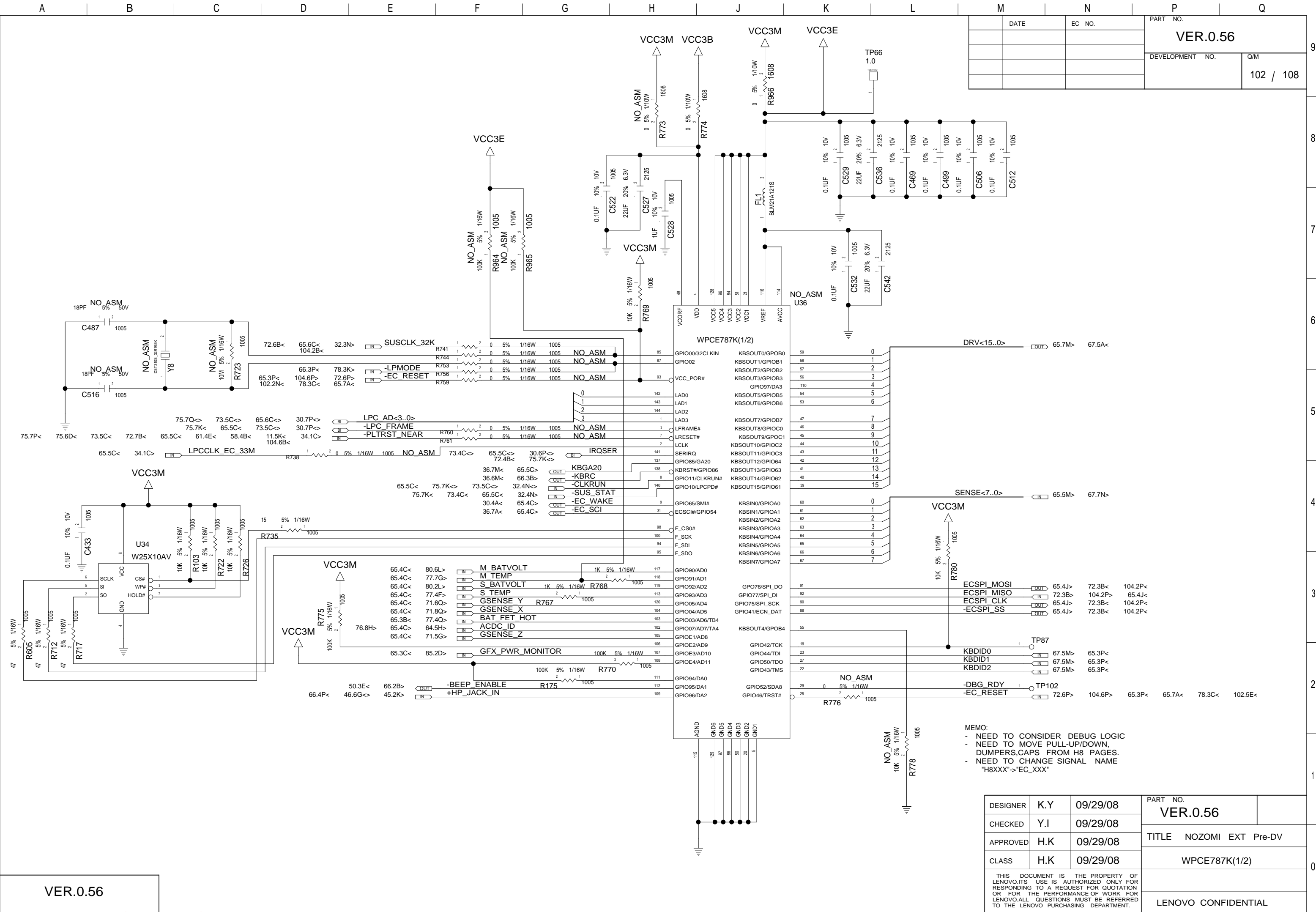




[illegible]

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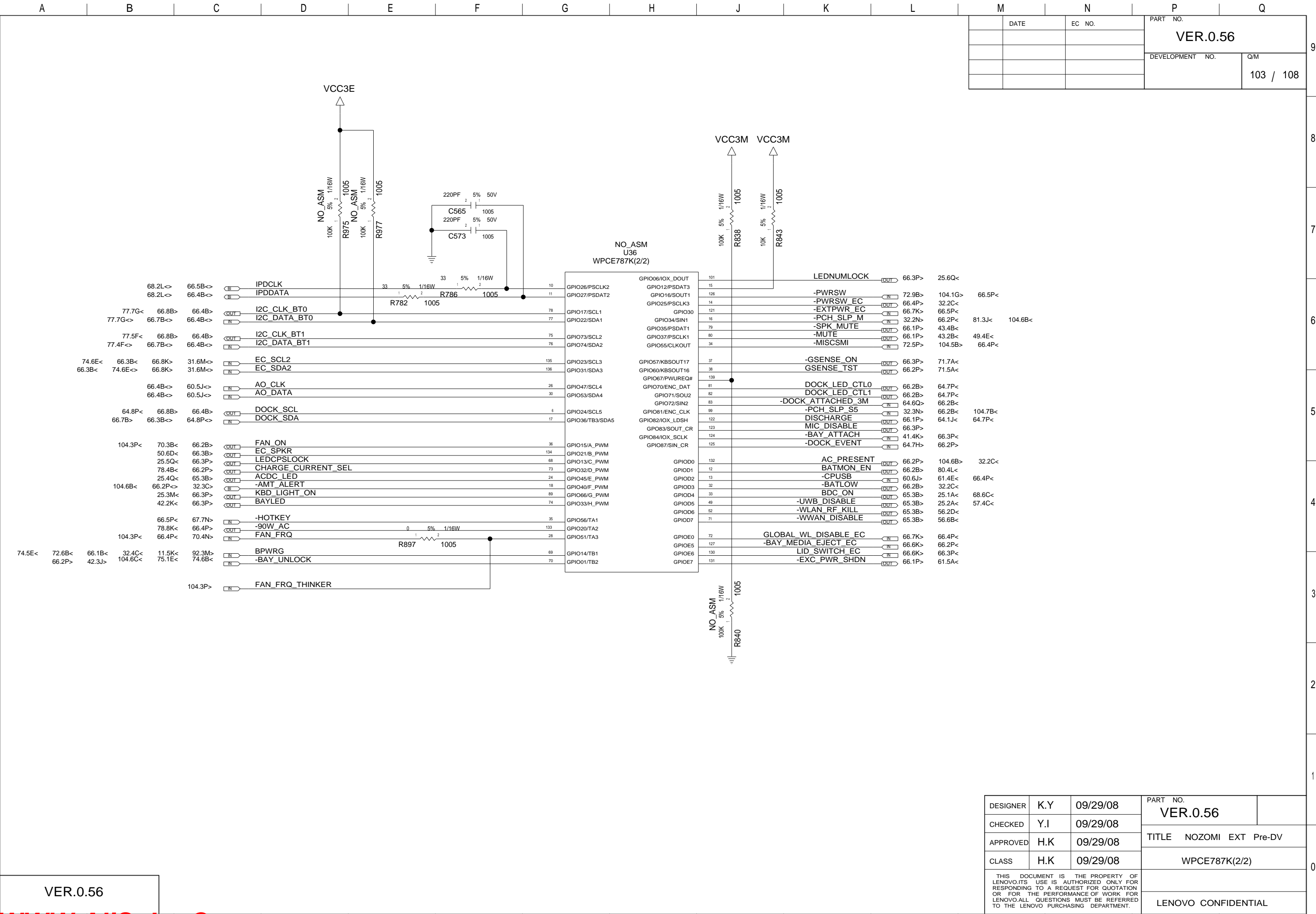


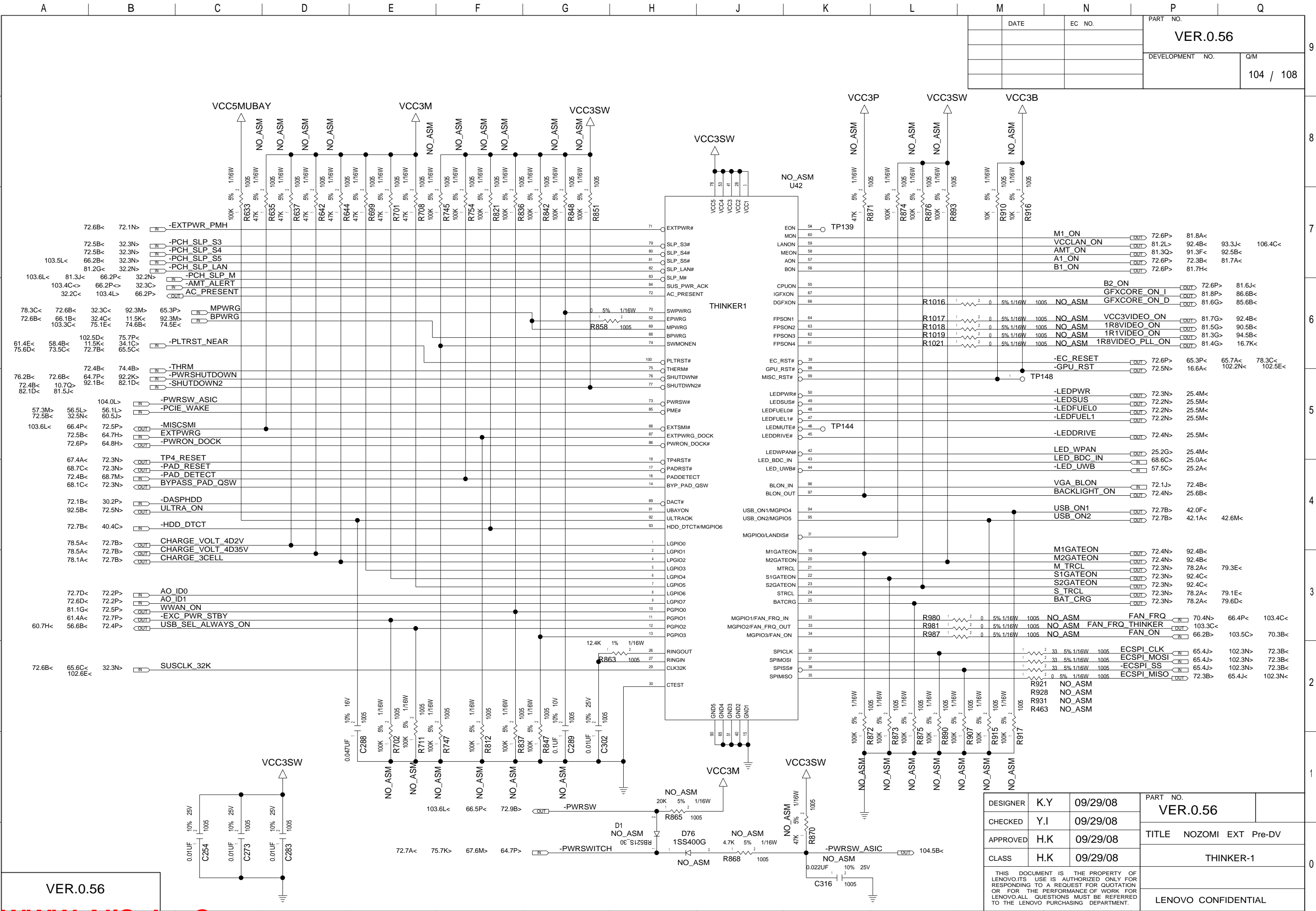
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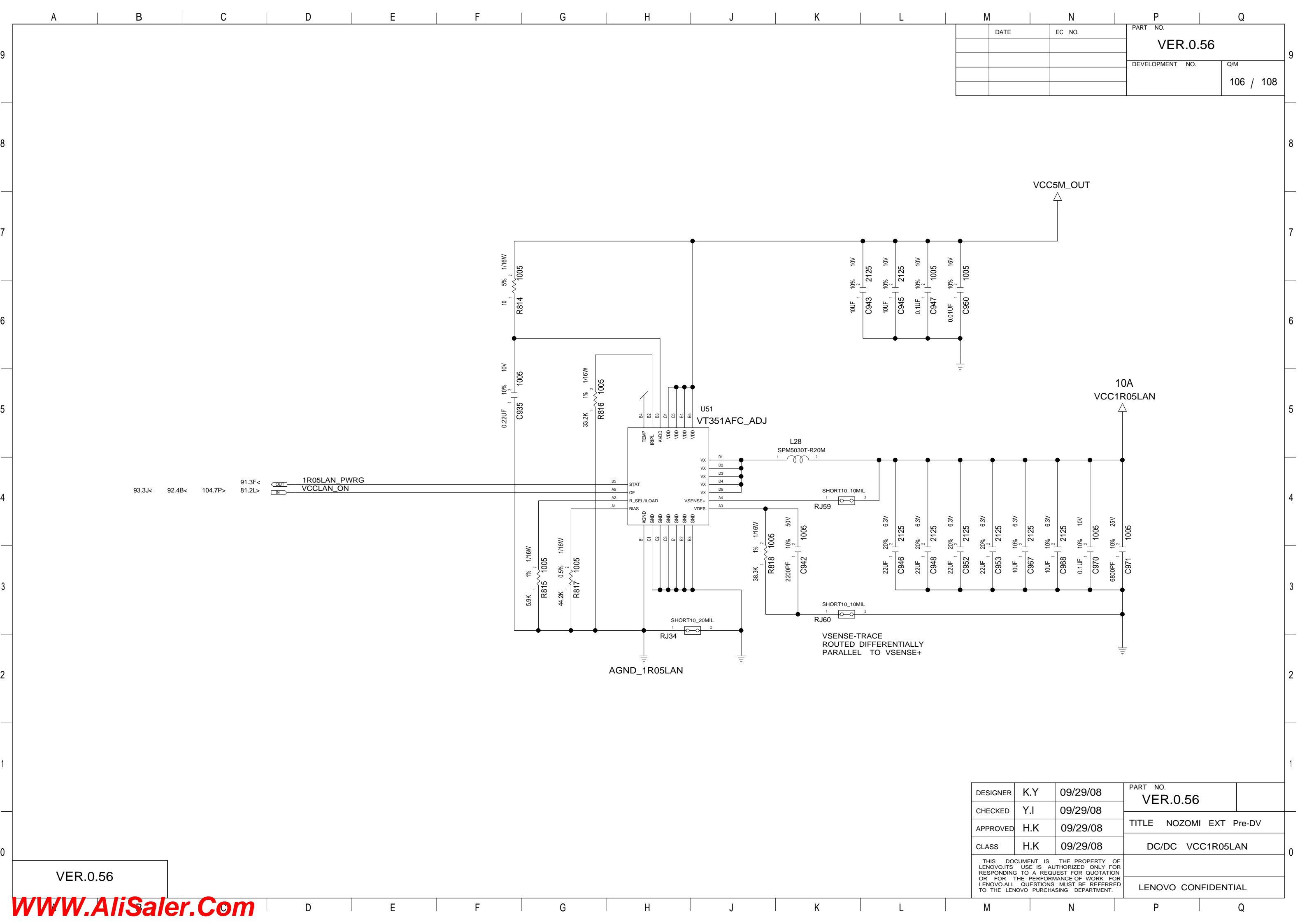
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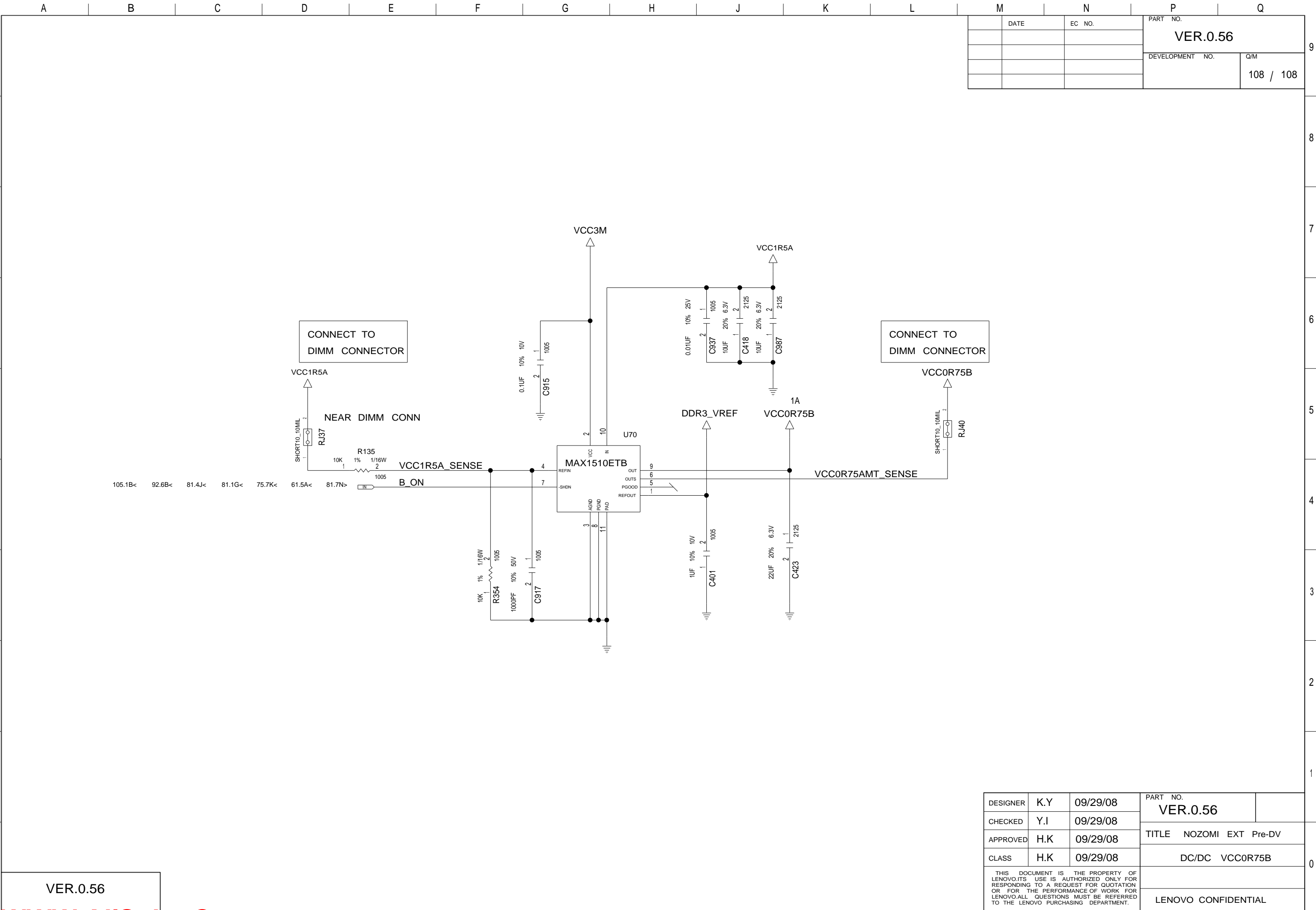
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