


## YUKON/KODIAK PLANAR

VER SE 10/20/2003

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DATE		EC NO.		PART NO.		
10/20/03		VER.SE				
				DEVELOPMENT NO.		Q/M
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# EC HISTORY

## SDV

VER.0.02	04/01/2003	INITIAL.	FROM APOLLO	VER.0.24
VER.0.03	04/04/2003			
VER.0.04	04/08/2003			
VER.0.05	04/09/2003			
VER.0.06	04/11/2003			
VER.0.07	04/14/2003			
VER.0.08	04/15/2003			
VER.0.09	04/16/2003	J3E	SDV	028-031
VER.0.10	04/17/2003			
VER.0.11	04/21/2003			
VER.0.12	04/22/2003			
VER.0.13	04/23/2003			
VER.0.14	04/24/2003			
VER.0.15	04/25/2003			
VER.0.16	04/30/2003			
VER.0.17	05/01/2003			
VER.0.18	05/02/2003			
VER.0.19	05/06/2003			
VER.0.20	05/07/2003			
VER.0.21	05/13/2003			
VER.0.22	05/16/2003			
VER.0.23	05/19/2003			

## FVT

VER.1.00	05/29/2003	FVT	INITIAL	VERSION
VER.1.01	06/09/2003			

## SIV

VER.2.00	06/18/2003
VER.2.01	06/20/2003
VER.2.02	06/24/2003
VER.2.03	06/27/2003
VER.2.04	06/30/2003
VER.2.05	07/07/2003
VER.2.06	07/10/2003
VER.2.07	07/11/2003
VER.2.08	07/14/2003
VER.2.09	07/15/2003
VER.2.10	07/17/2003
VER.2.11	07/22/2003
VER.2.12	07/23/2003
VER.2.13	07/24/2003
VER.2.14	07/25/2003
VER.2.15	07/28/2003
VER.2.16	07/30/2003

## EMI VERSION

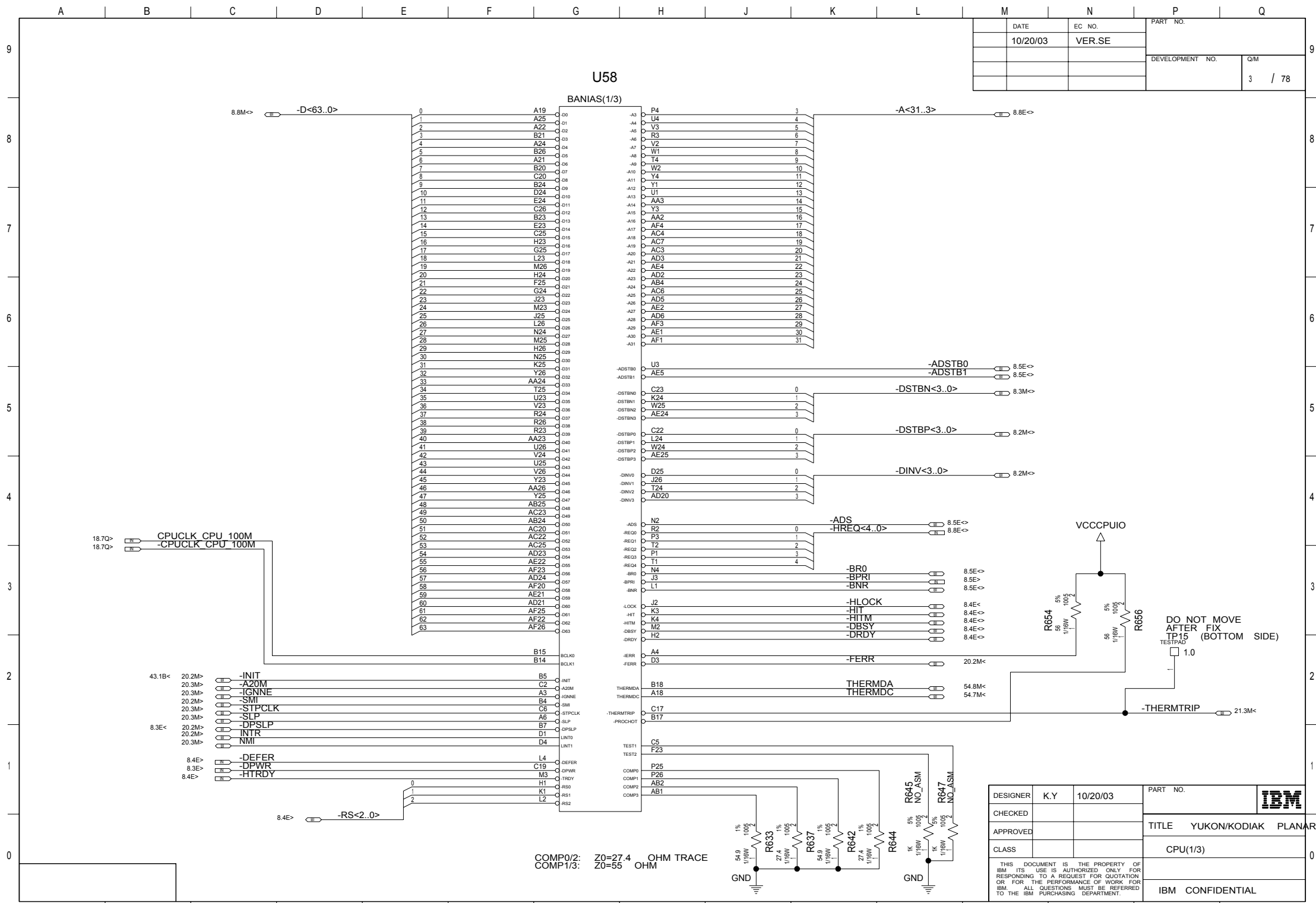
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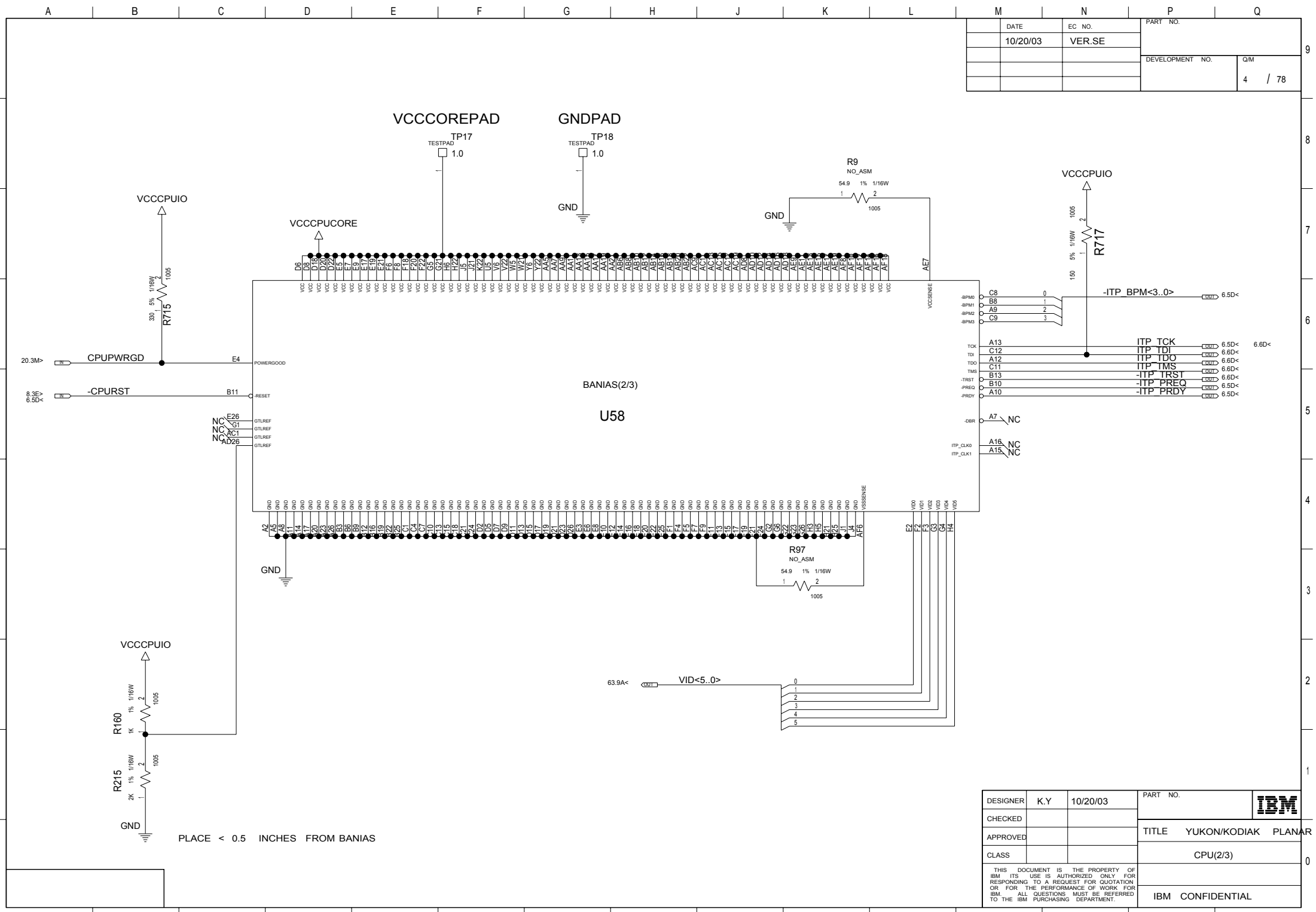
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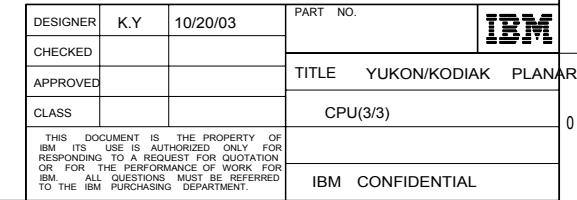
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CLASS			HISTORY	
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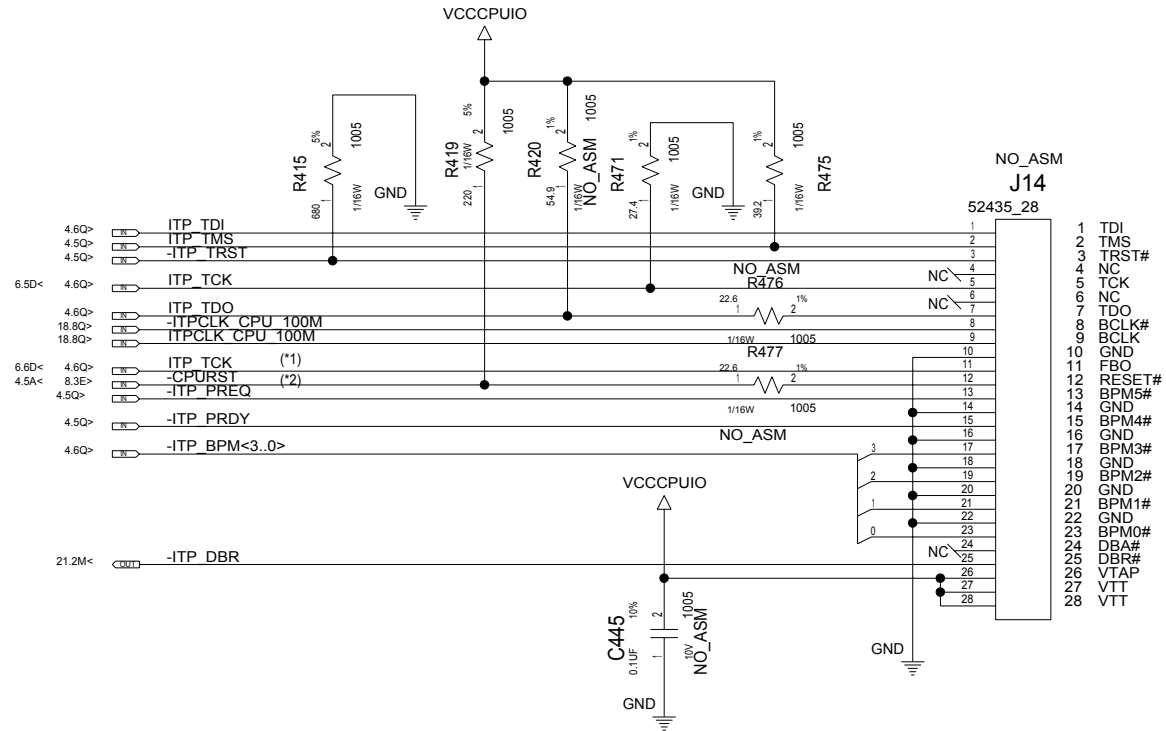




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DESIGNER	K.Y	10/20/03	PART NO.	IBM
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APPROVED			YUKON/KODIAK PLANAR	
CLASS			CPU(2/3)	
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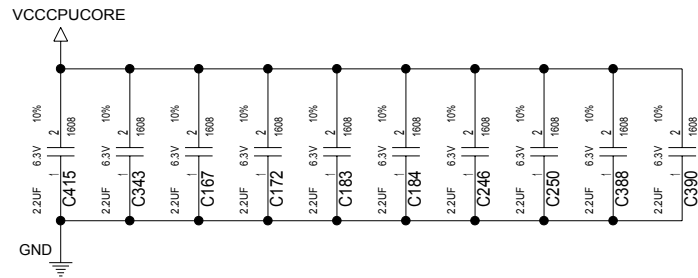
(\*1) TCK SIGNAL IS BRANCHED AT BANIAS PIN

(\*2) -CPURST SIGNAL IS BRANCHED AT ODEM PIN

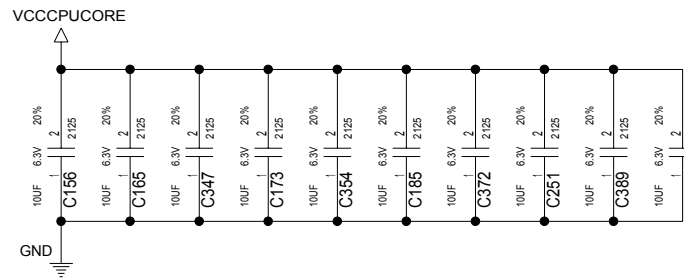
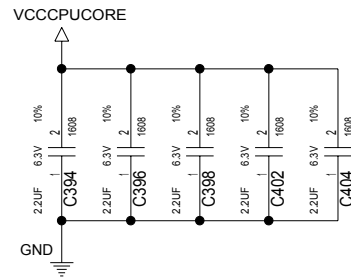
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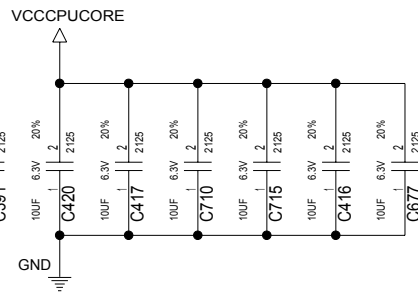
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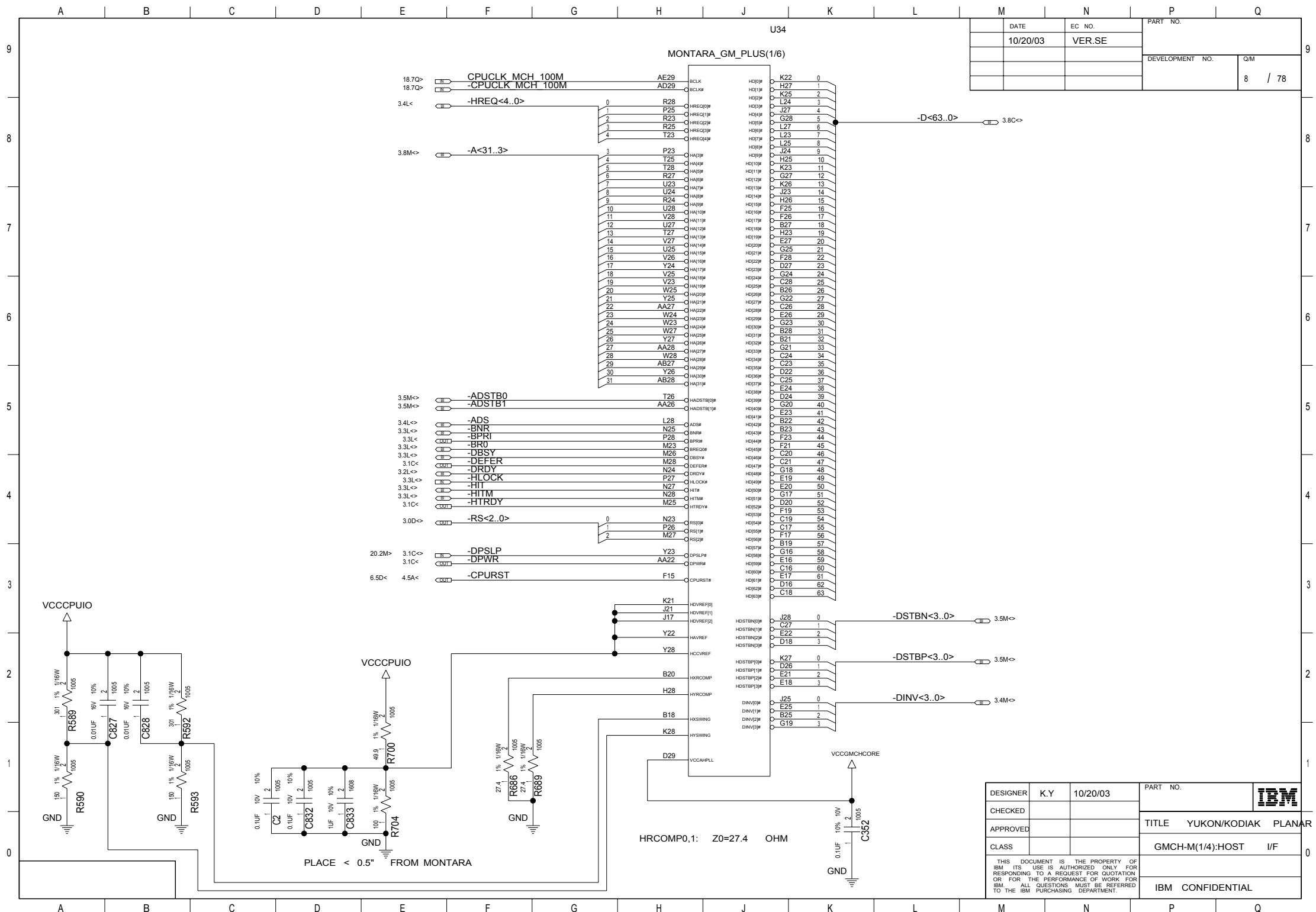
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10UF X5R 2125 1/16W X16PCS

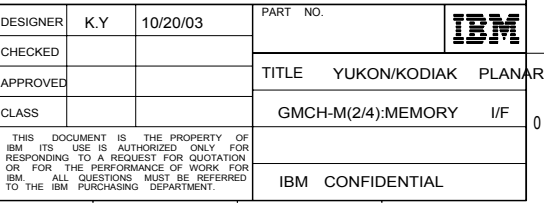


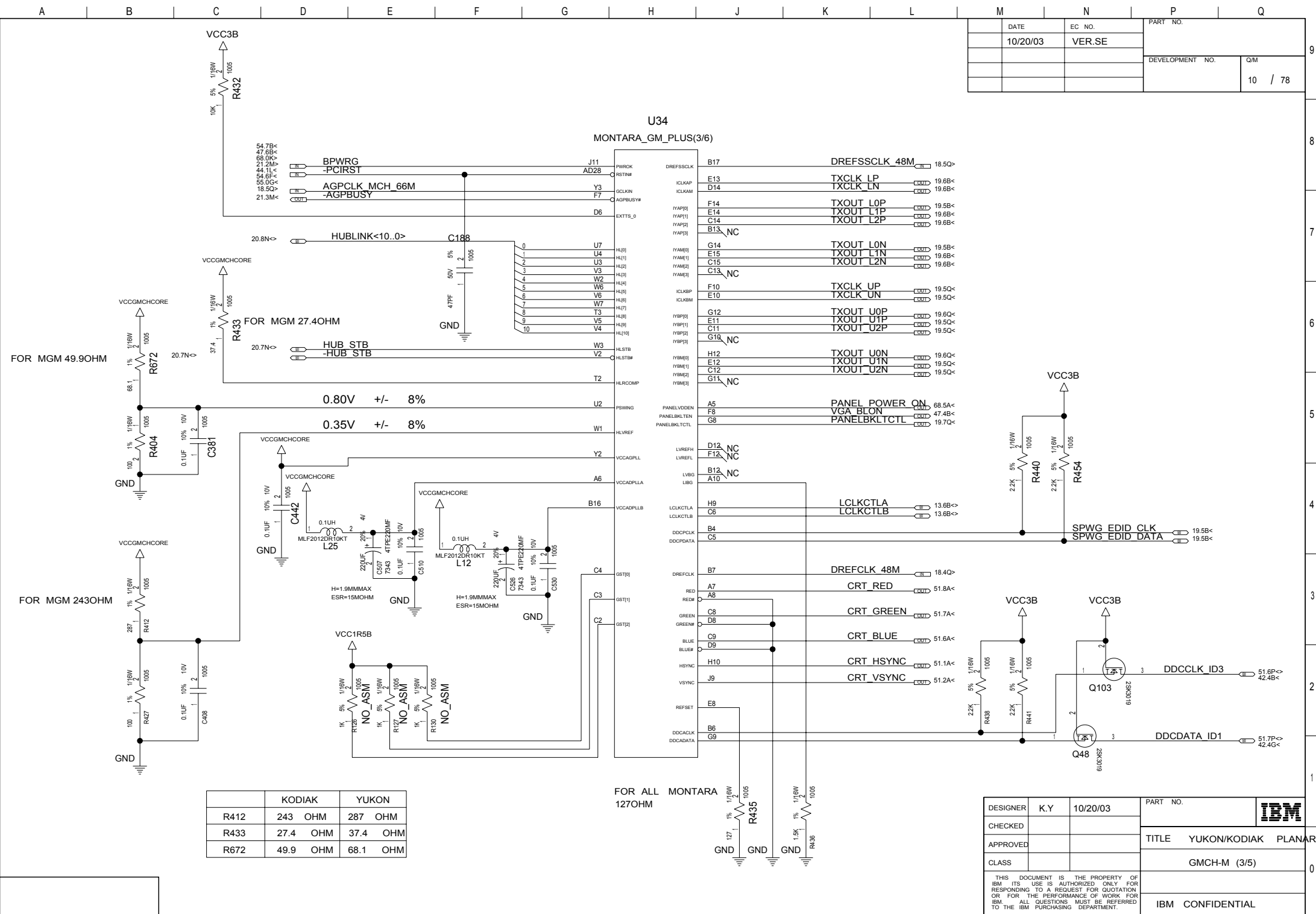
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CLASS			VCCCPUCORE DECOUPLING	
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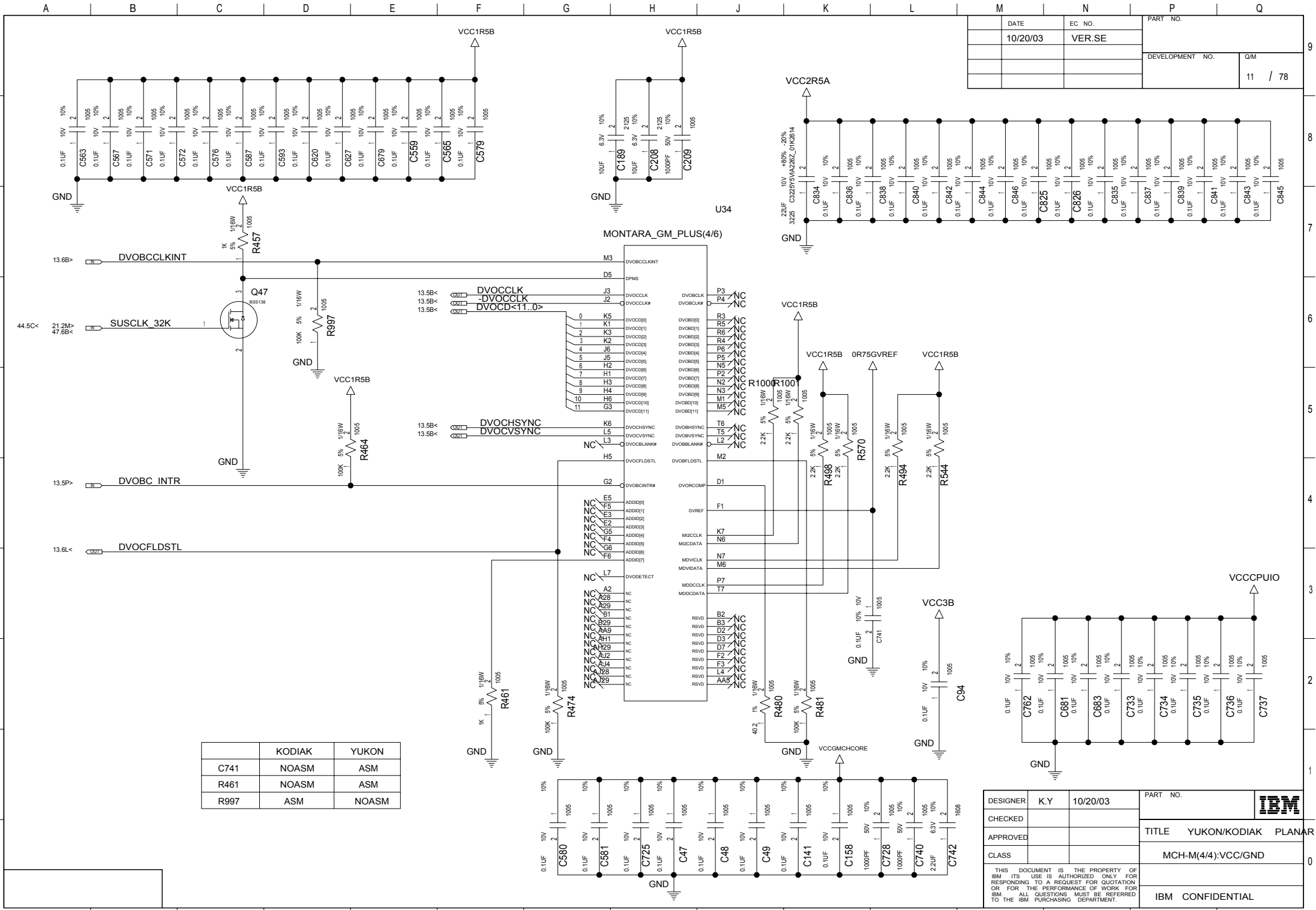


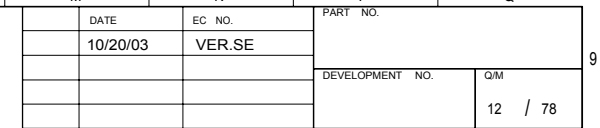


DDRCLK0 166M	14.7B<	
-DDRCLK0 166M	14.7B<	
DDRCLK1 166M	14.2N<	
-DDRCLK1 166M	14.2N<	
DDRCLK3 166M	15.7B<	
-DDRCLK3 166M	15.7B<	
DDRCLK4 166M	15.2N<	
-DDRCLK4 166M	15.2N<	
SCKE<3..0>	14.5B<	14.5N< 15.5B< 15.5N< 16.7J<
-SCS<3..0>	14.3B<	14.3N< 15.3B< 15.3N< 16.3J<
SDM<7..0>	14.8M<	15.8M< 16.1A<
-SRAS	14.4N<	15.4N< 16.4J<
-SCAS	14.3N<	15.3N< 16.4J<
-SWE	14.3B<	15.3B< 16.4J<
SMBA<1..0>	14.4B<	14.4N< 15.4B< 15.4N< 16.5J<
SMA<12..0>	14.4B<	14.4N< 15.4C< 15.4M< 16.6J<
SMAB1	15.4B<	16.3J<
SMAB2	15.4N<	16.3J<
SMAB4	15.4N<	16.3J<
SMAB5	15.4B<	16.2J<



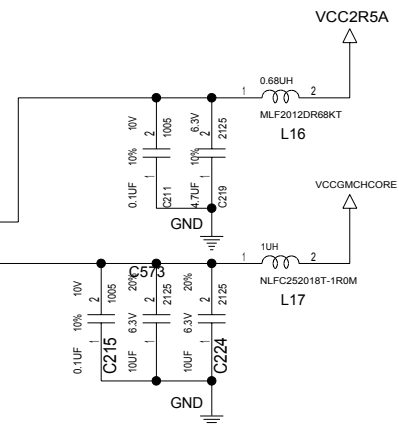





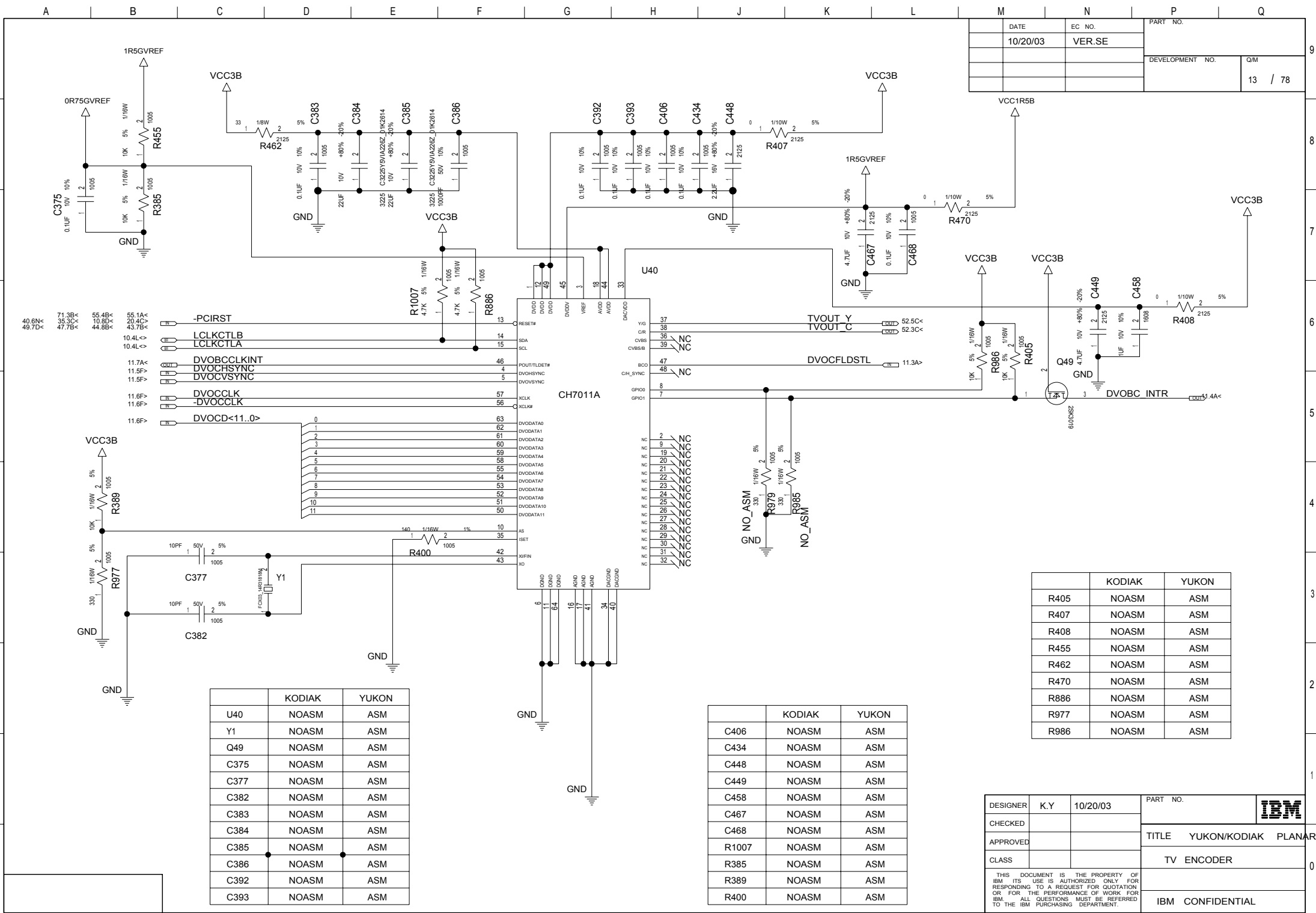


	VCCGMCHCORE
MONTARA-GM	1.20V
MONTARA-GM+	1.35V

	KODIAK	YUKON
U34	855GM	855GME

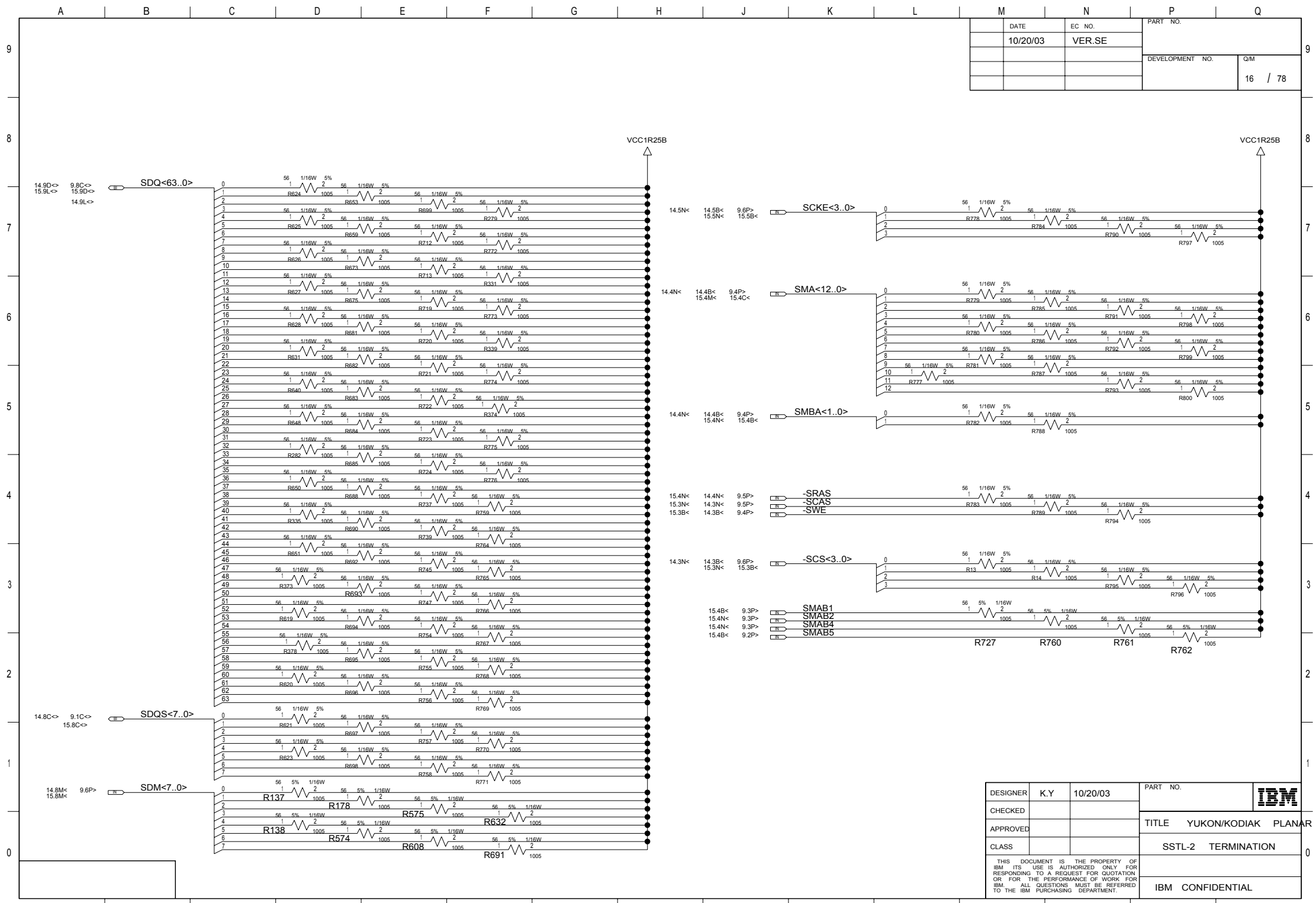


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APPROVED			TITLE	YUKON/KODIAK PLANAR
CLASS				GMCH-M (5/5)
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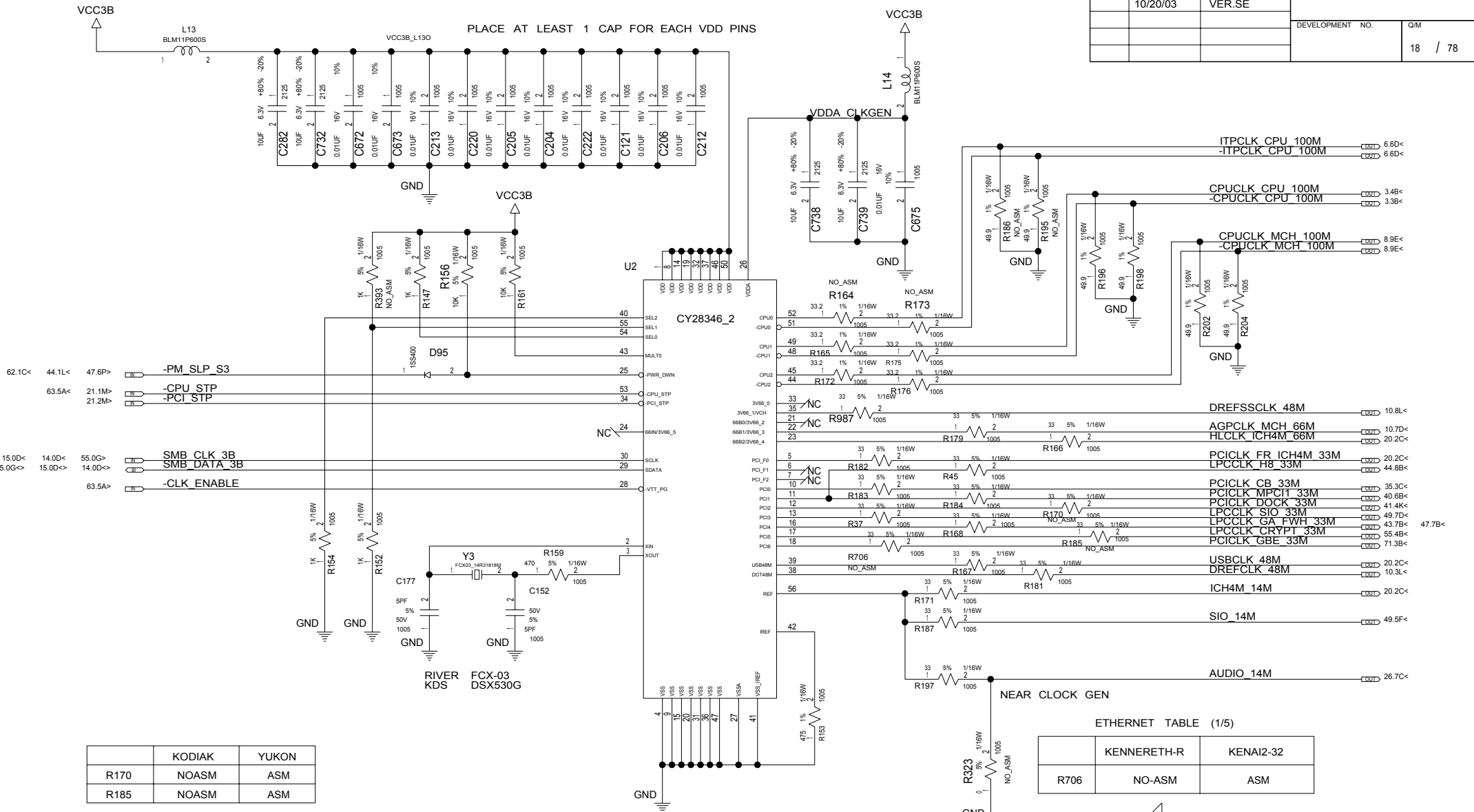


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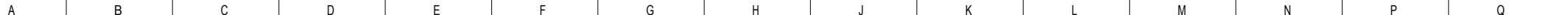
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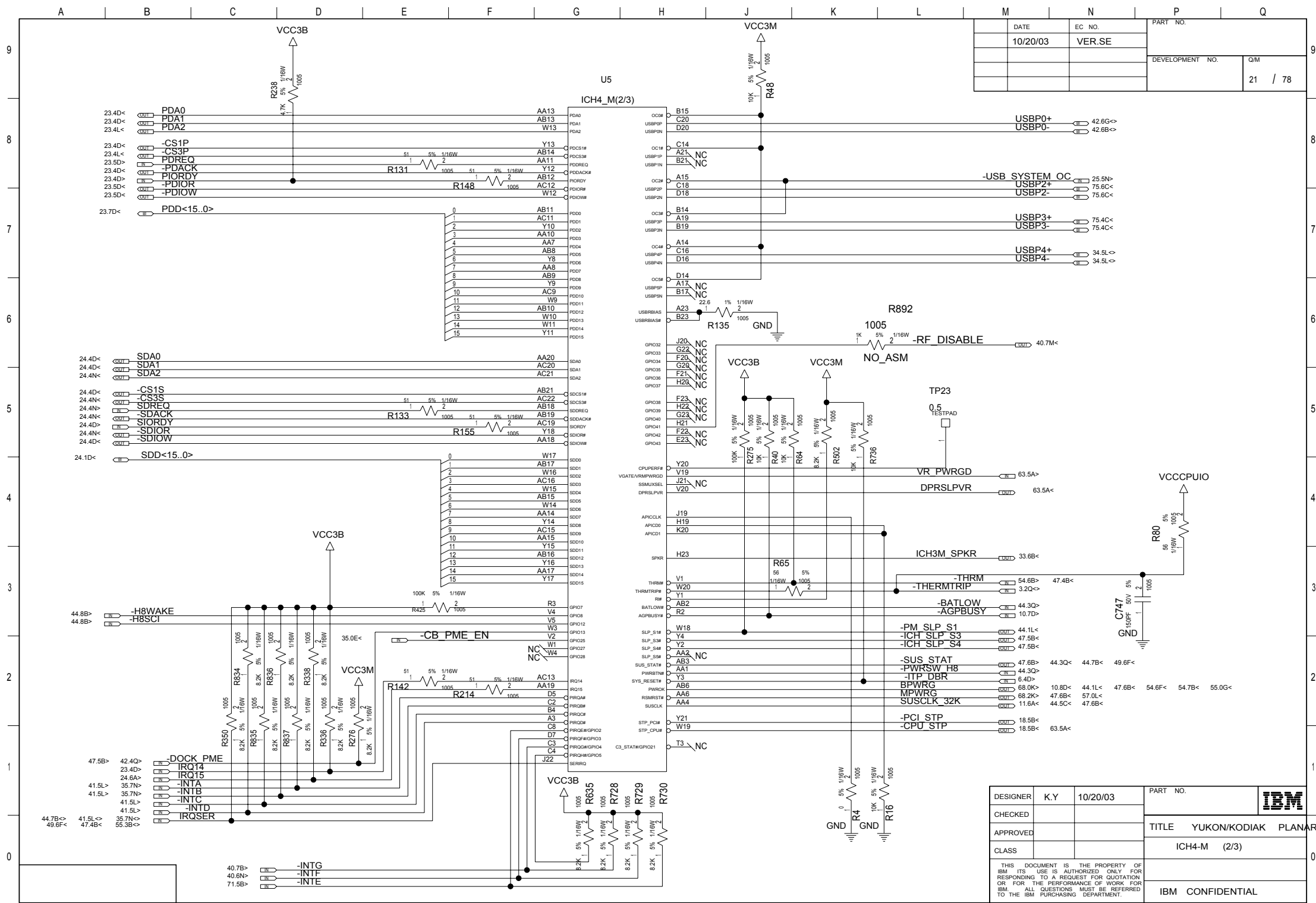




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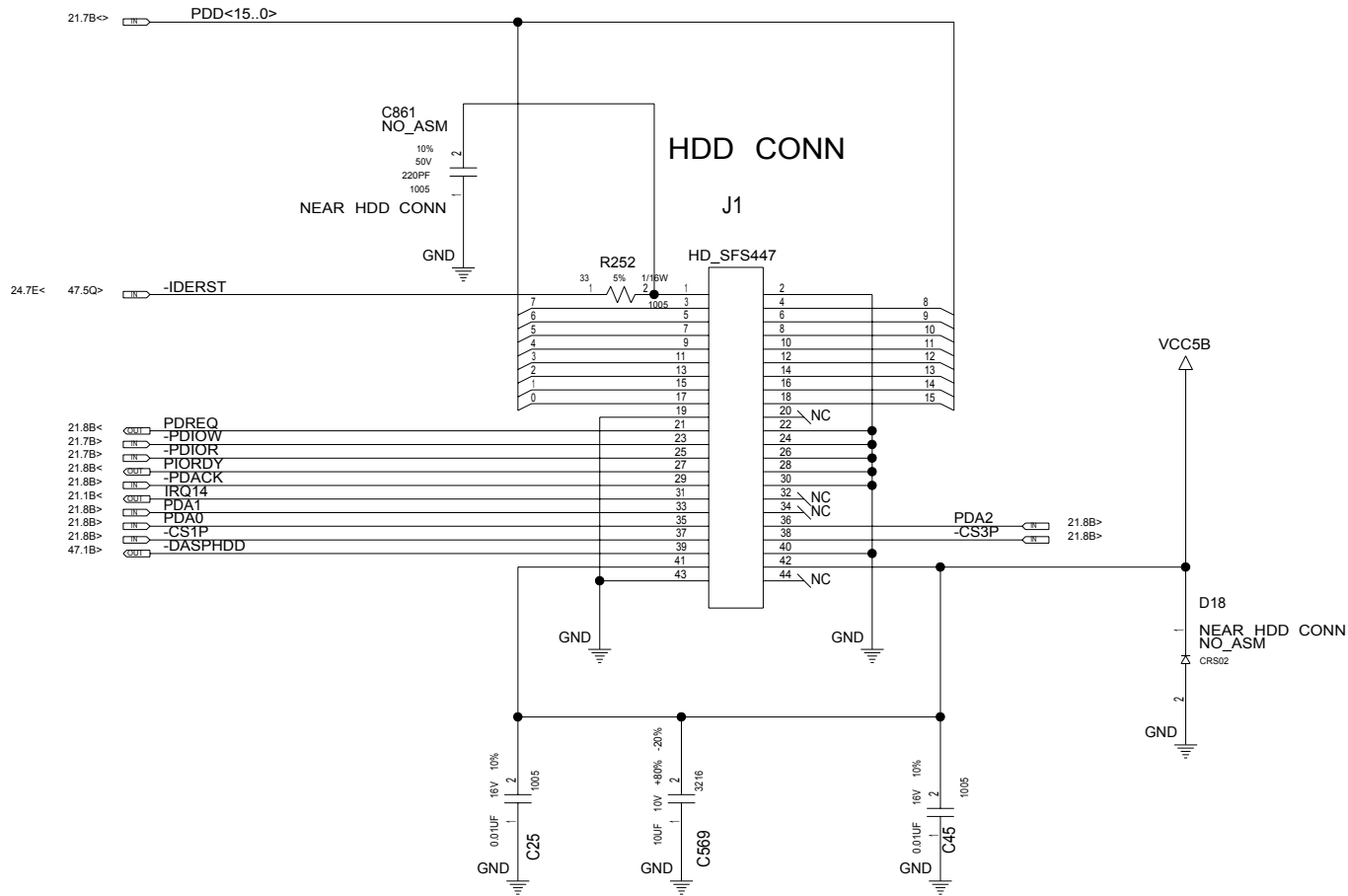




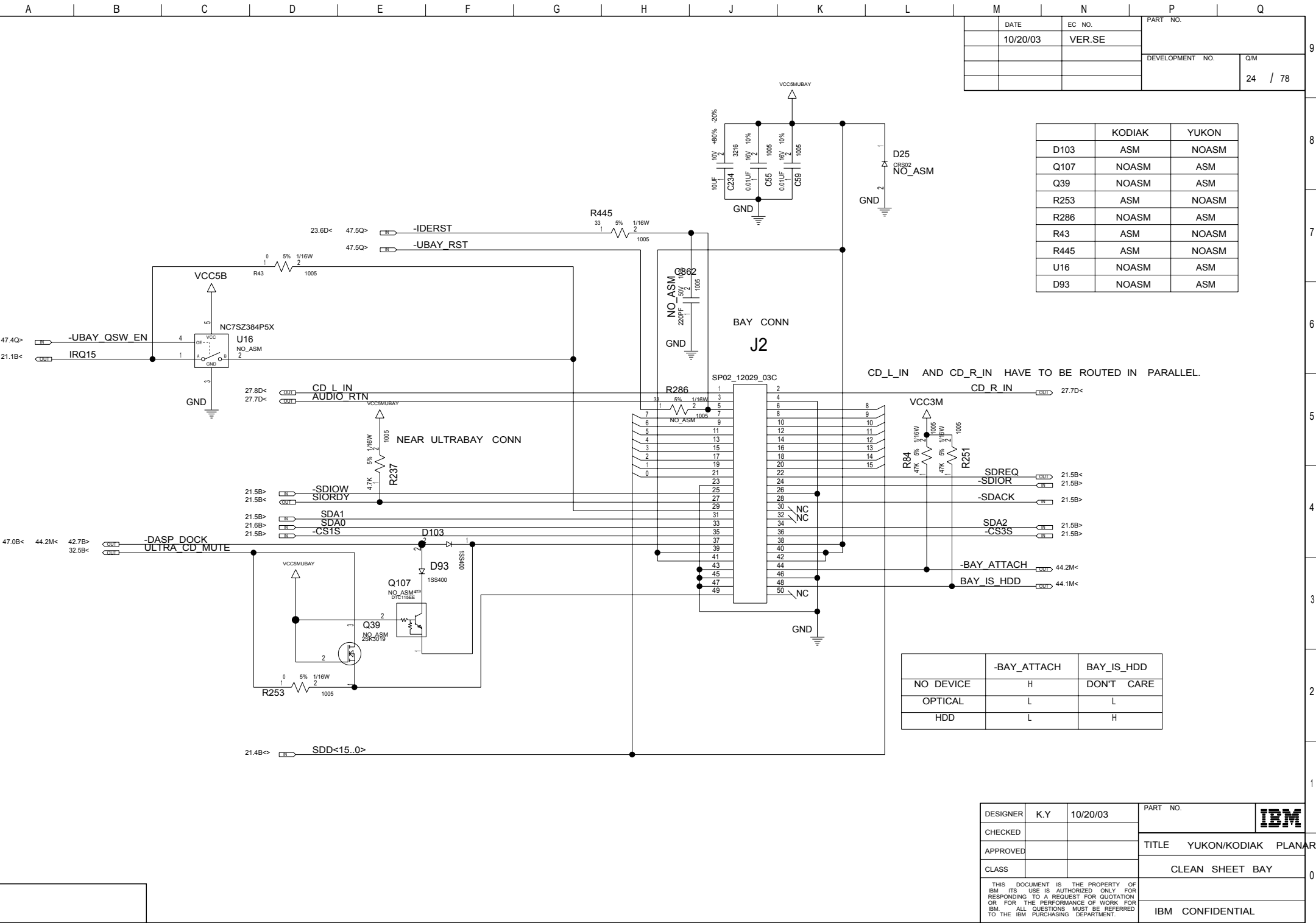




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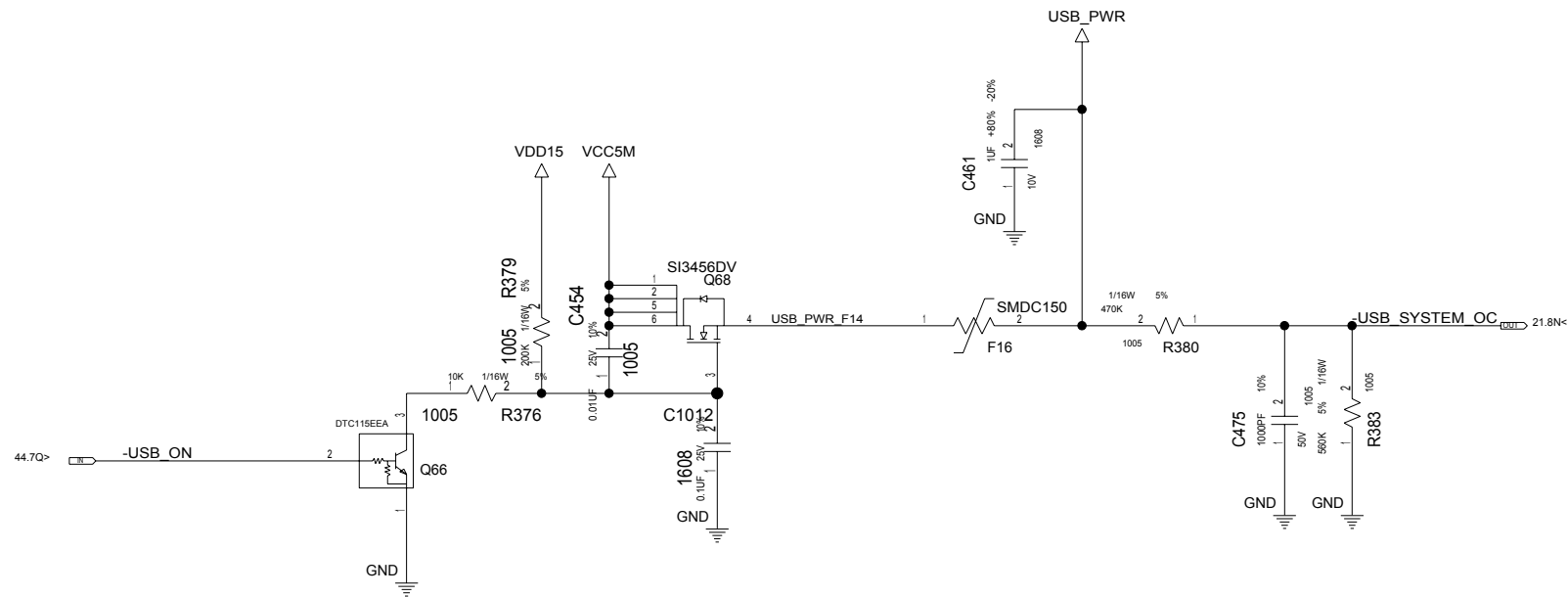



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CLASS			HDD I/F CONNECTOR	
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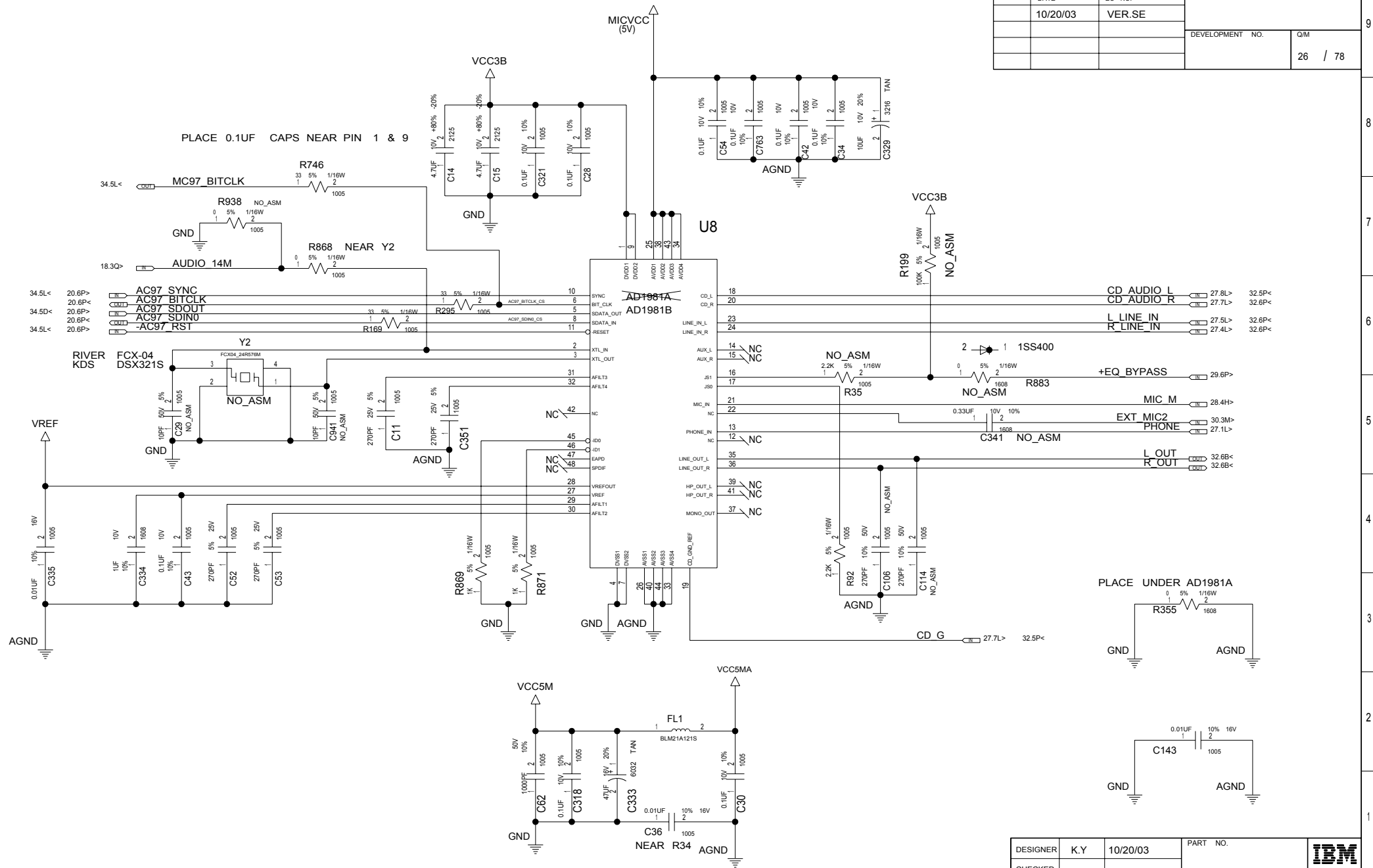





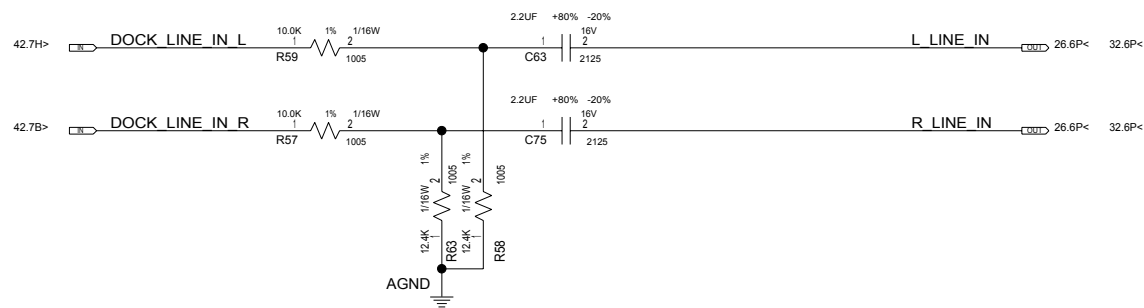
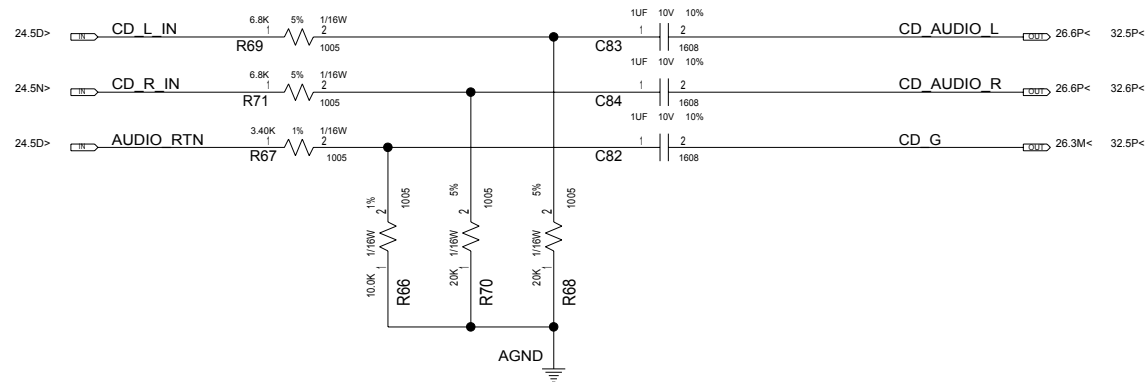
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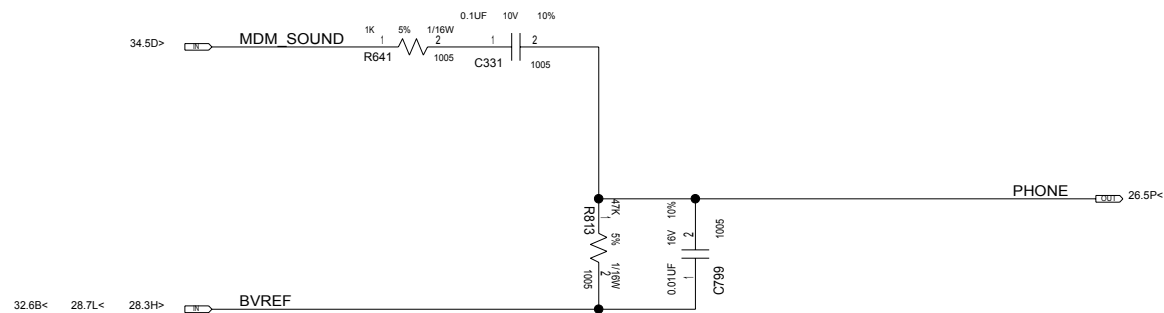
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CLASS			USB INTERFACE	0
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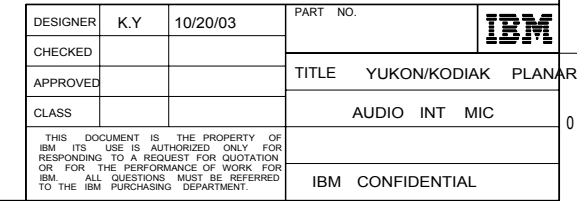
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CLASS			AUDIO	AD1981A
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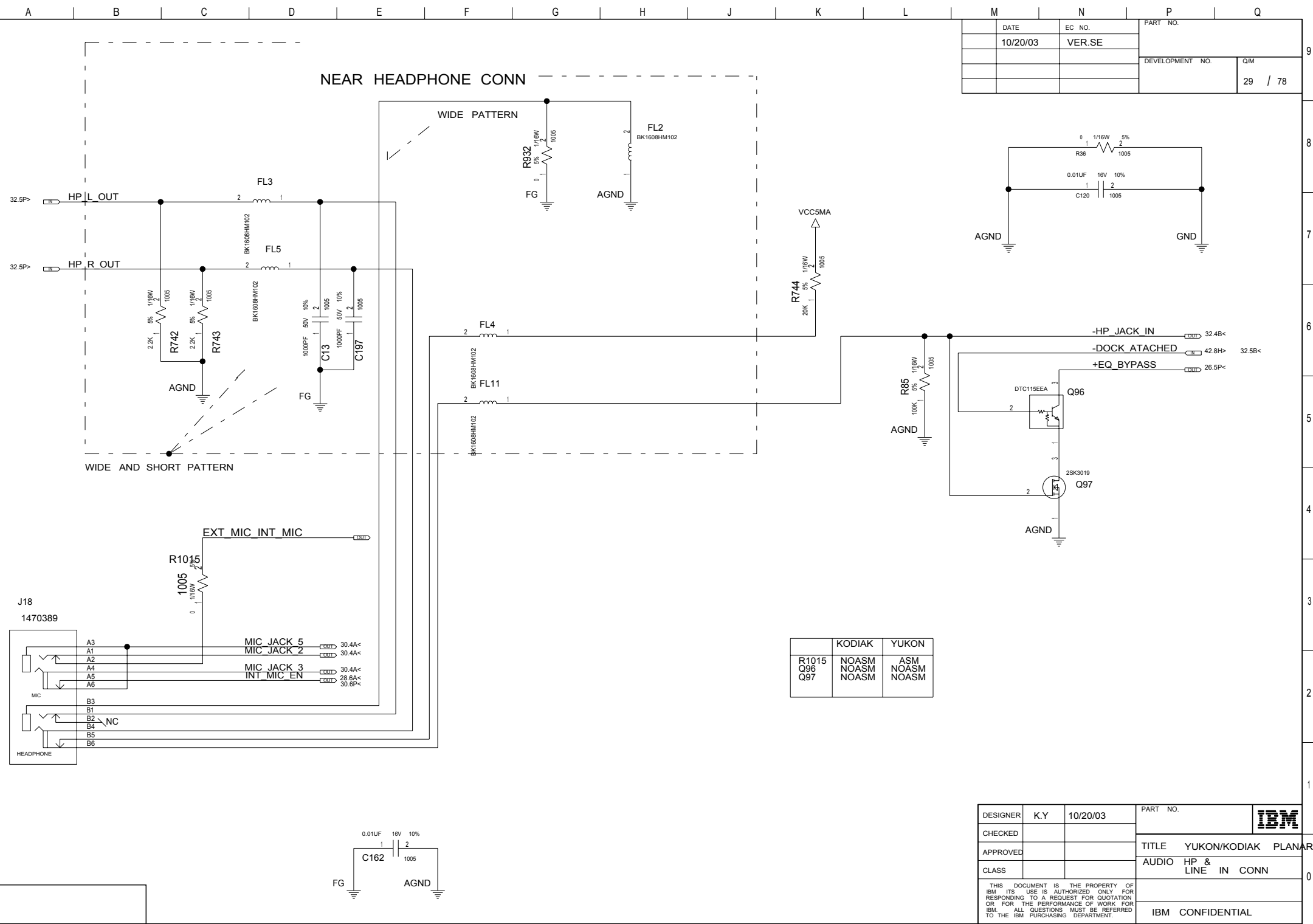


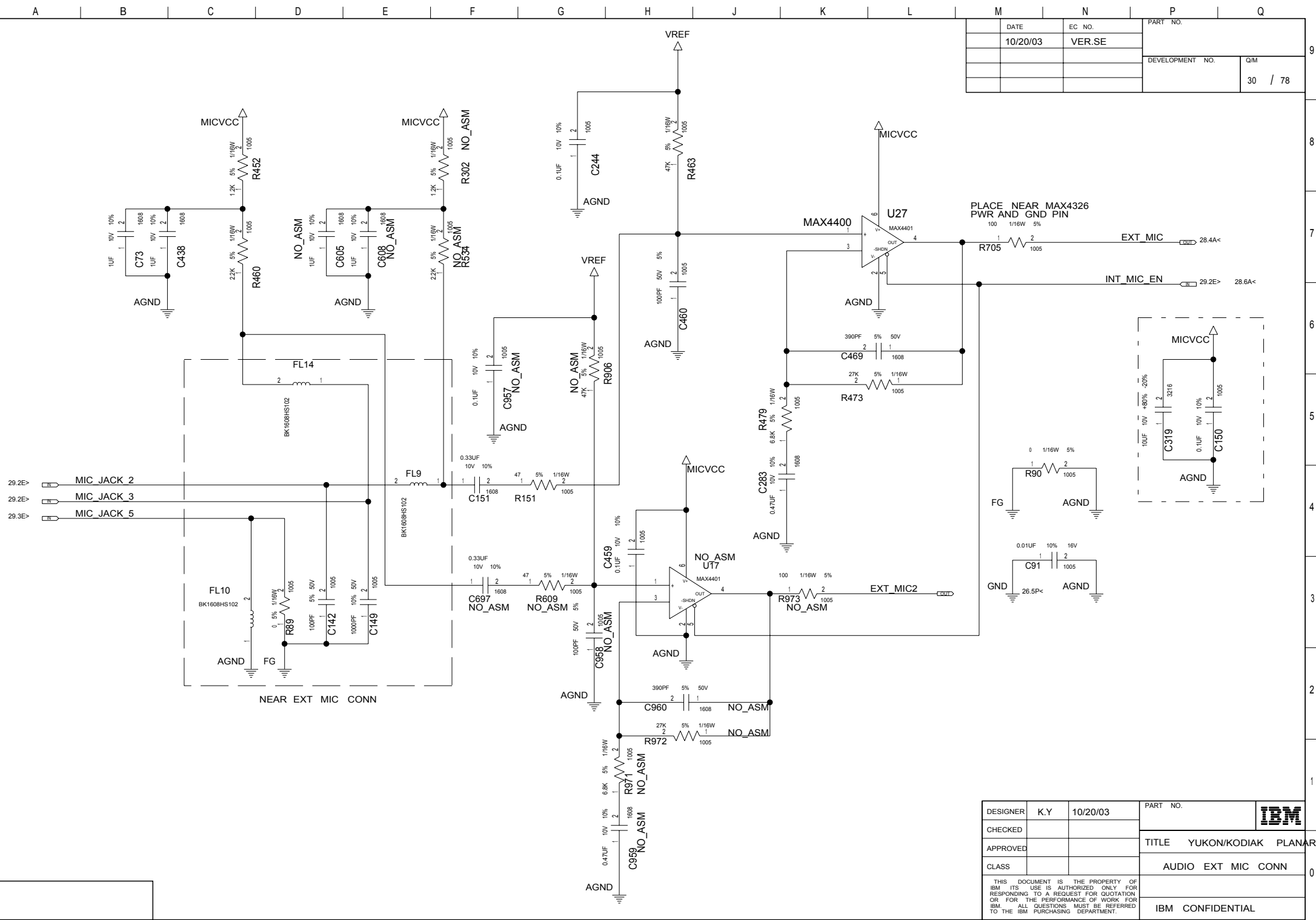
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R59	NOASM	ASM
R57	NOASM	ASM
R63	NOASM	ASM
R58	NOASM	ASM
C63	NOASM	ASM
C75	NOASM	ASM



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CLASS			AUDIO MISC	0
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33.5N>  
33.5N>  
33.5N>  
33.5N>SP OUTR-  
SP OUTR+  
SP OUTL-  
SP OUTL+33PF 50V 5%  
C1481 2  
100533PF 50V 5%  
C1531 2  
100533PF 50V 5%  
C1541 2  
100533PF 50V 5%  
C1571 2  
1005

AGND

PLACE NEAR SPEAKER AMPLIFIER

1000PF 50V 10%  
C1661 2  
10051000PF 50V 10%  
C1681 2  
10051000PF 50V 10%  
C1691 2  
10051000PF 50V 10%  
C1751 2  
1005

GND

PLACE NEAR SPEAKER CONNECTOR

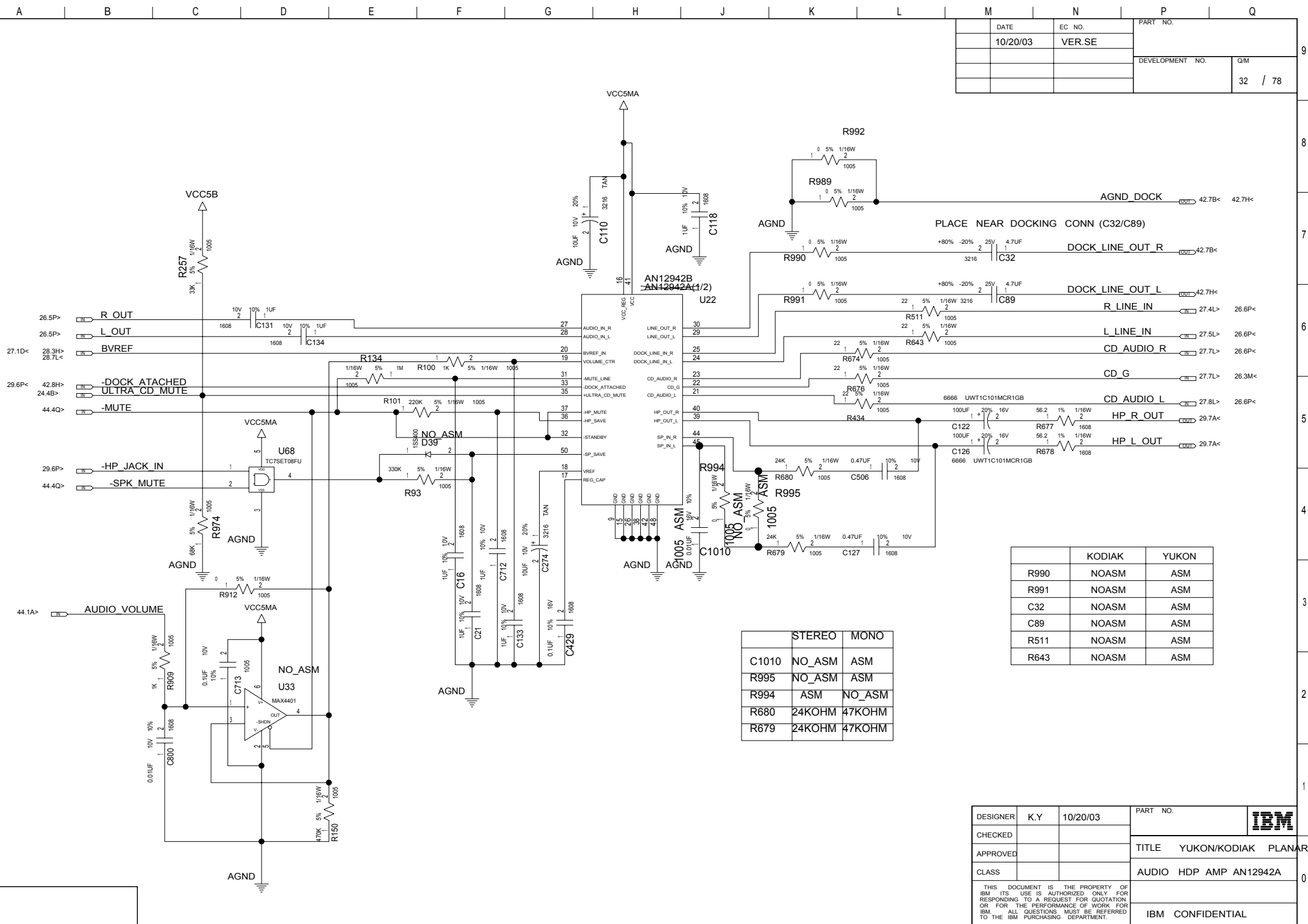
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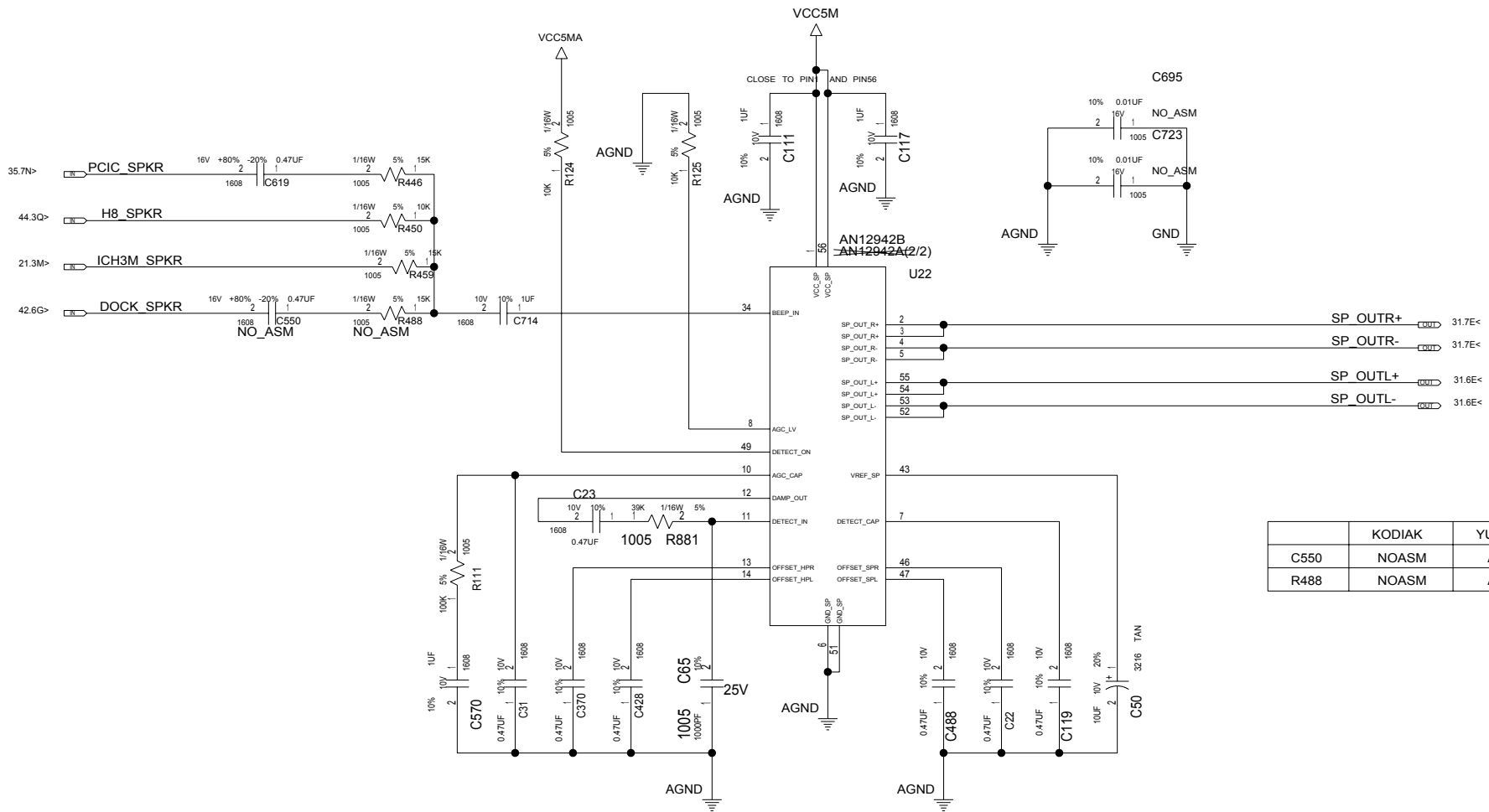


SPEAKER CONNECTOR

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CLASS			AUDIO SPEAKER	
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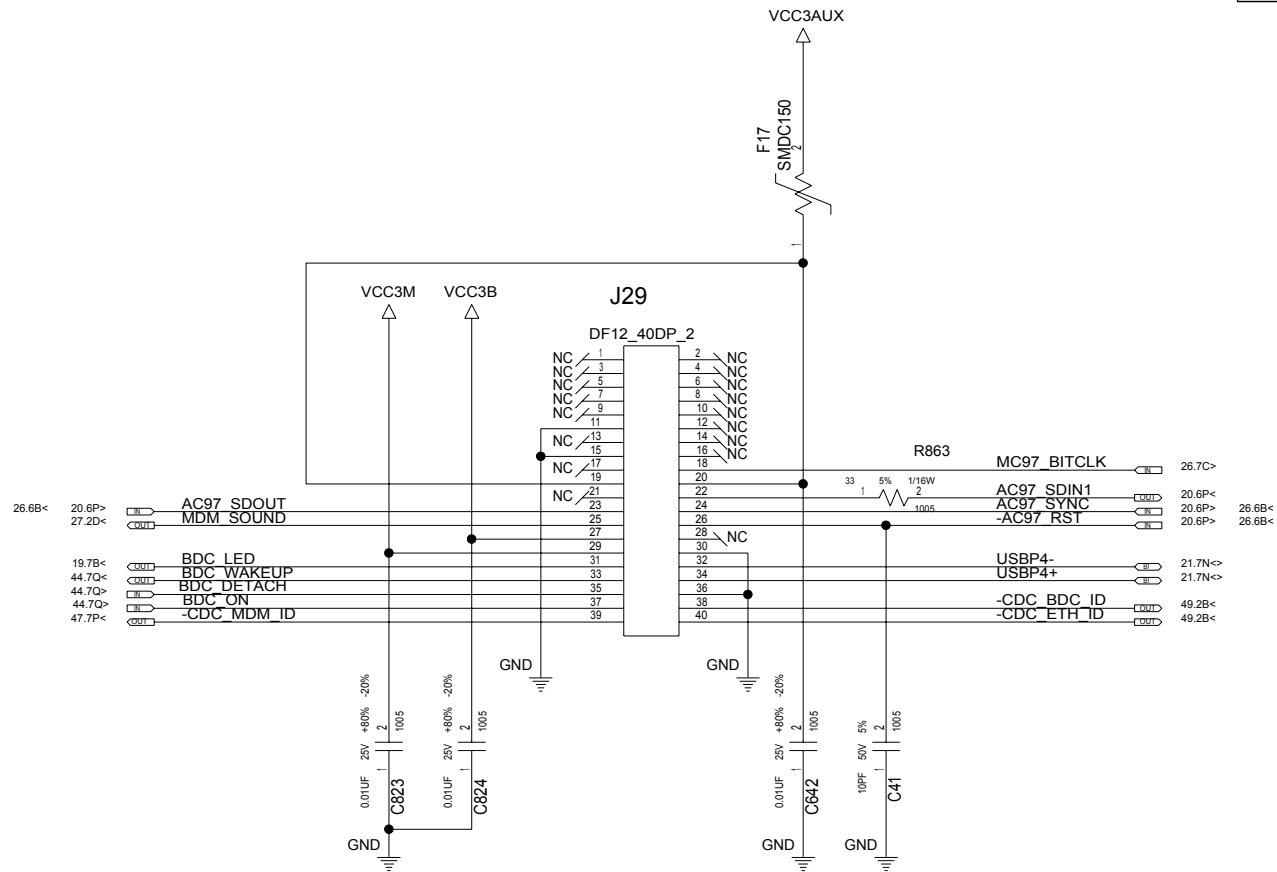


	KODIAK	YUKON
C550	NOASM	ASM
R488	NOASM	ASM

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APPROVED			TITLE	YUKON/KODIAK PLANAR
CLASS			AUDIO HDP AMP AN12942A	
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		DEVELOPMENT NO.	Q/M
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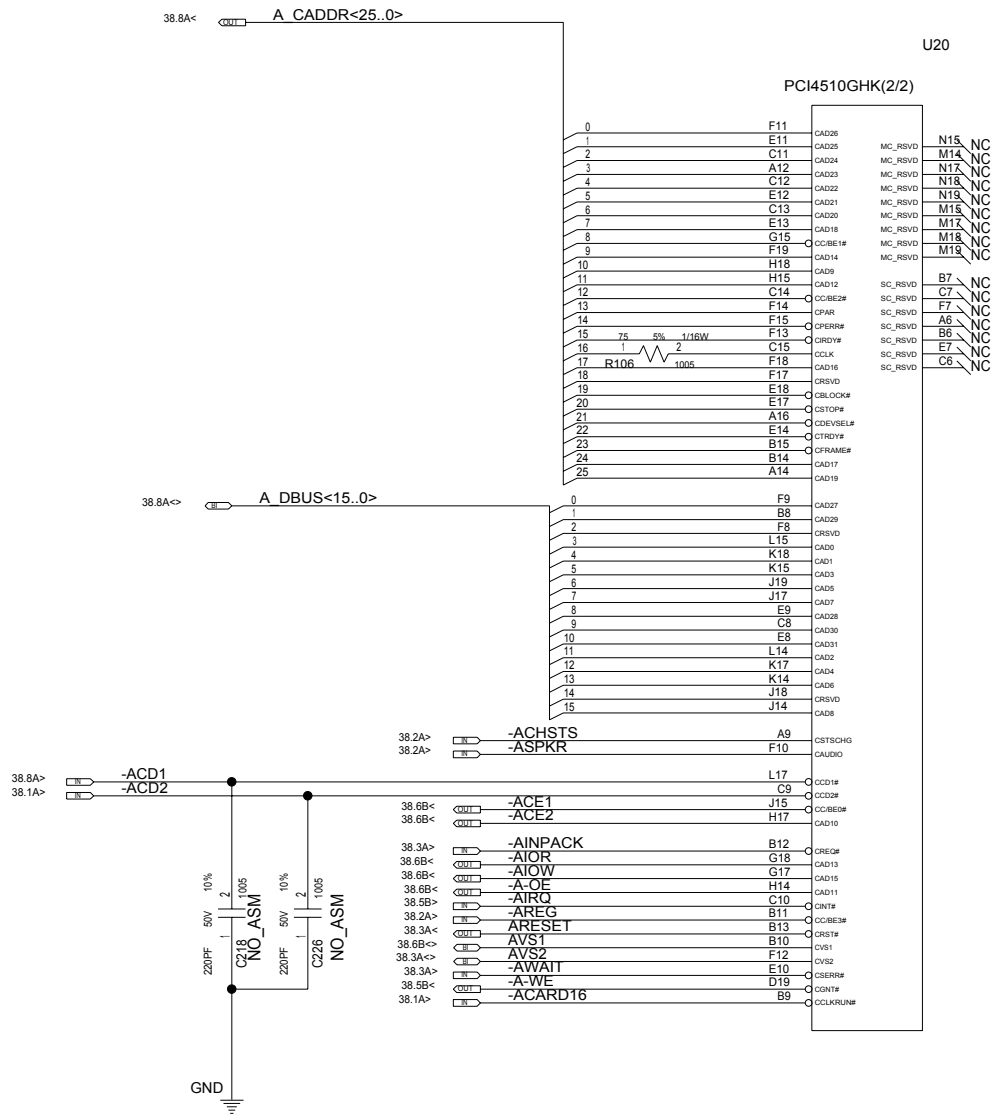
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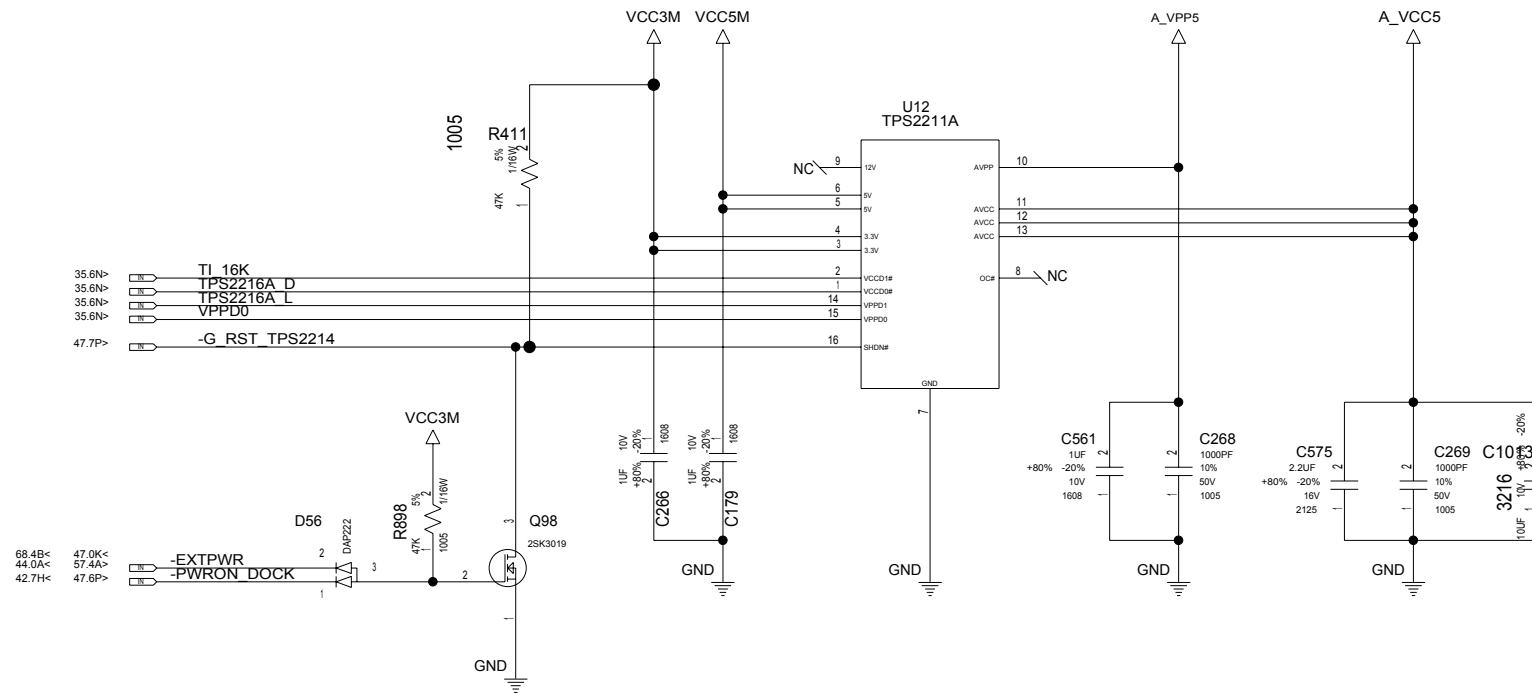



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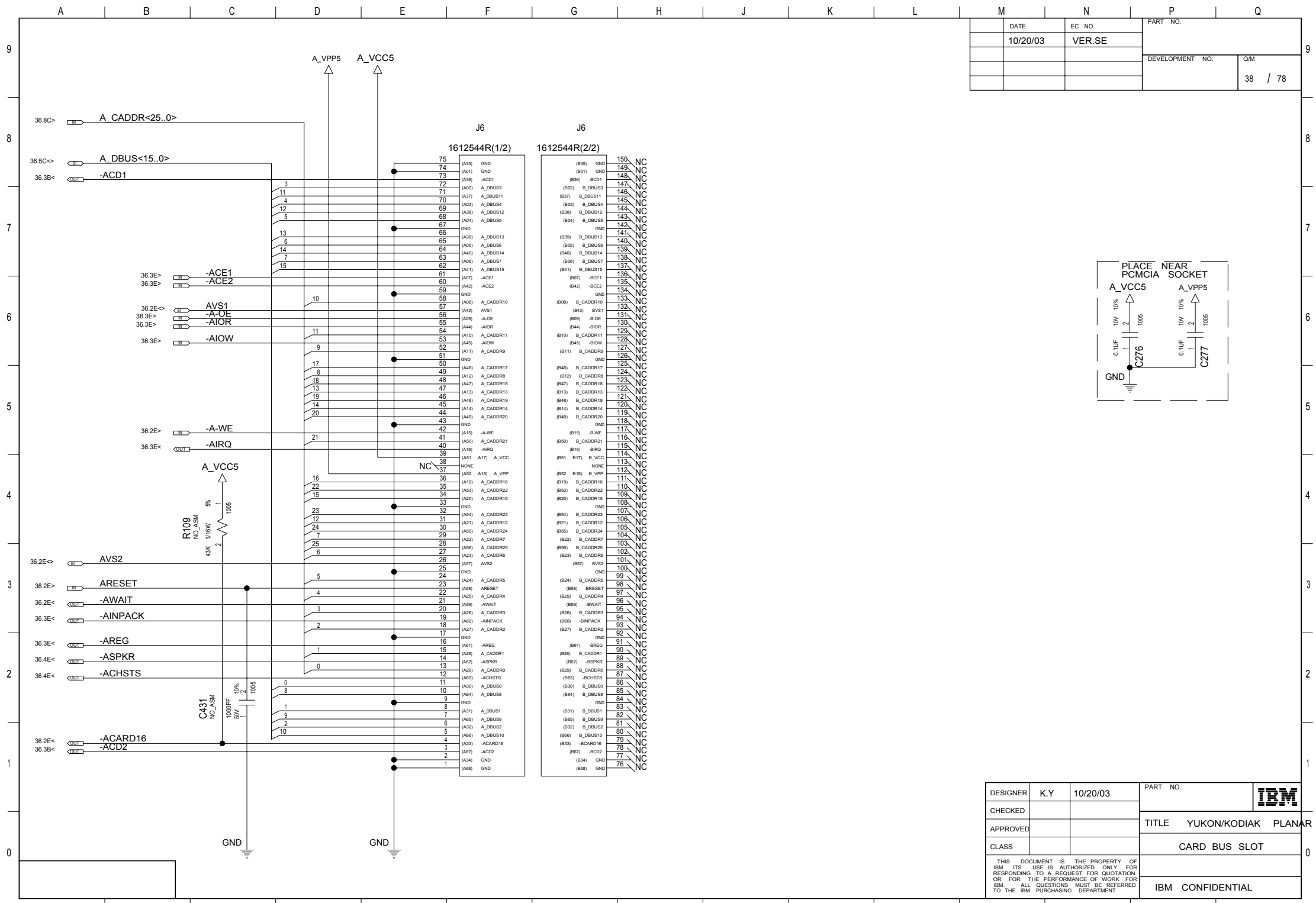


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CLASS			CARD BUS PCI4520 (2/2)	
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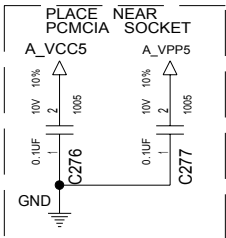
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	DATE	EC NO.	PART NO.				
	10/20/03	VER.SE					
			DEVELOPMENT NO.				Q/M 37 / 78




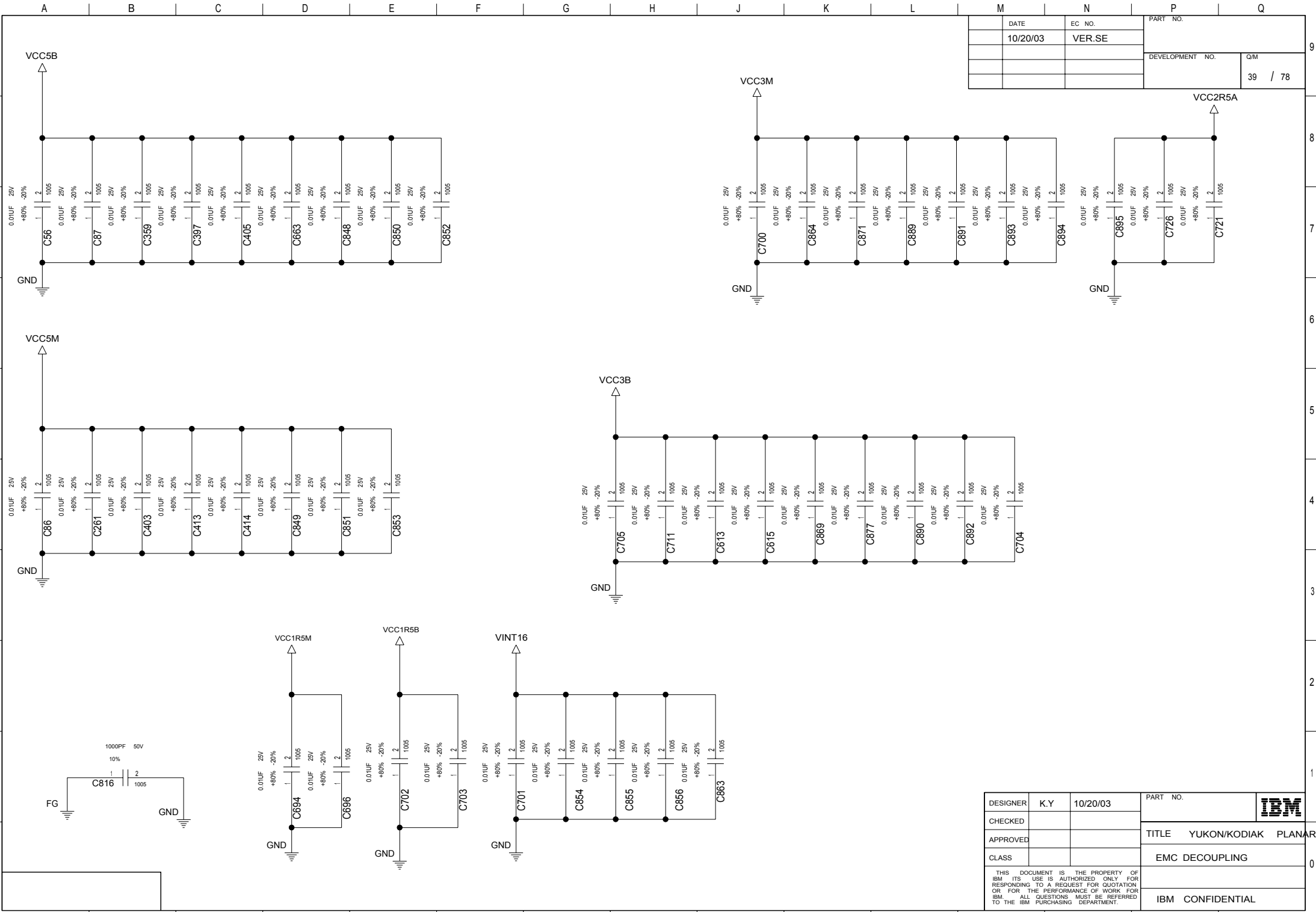
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APPROVED			TITLE	YUKON/KODIAK PLANA
CLASS			CARD BUS POWER CONTROL	0
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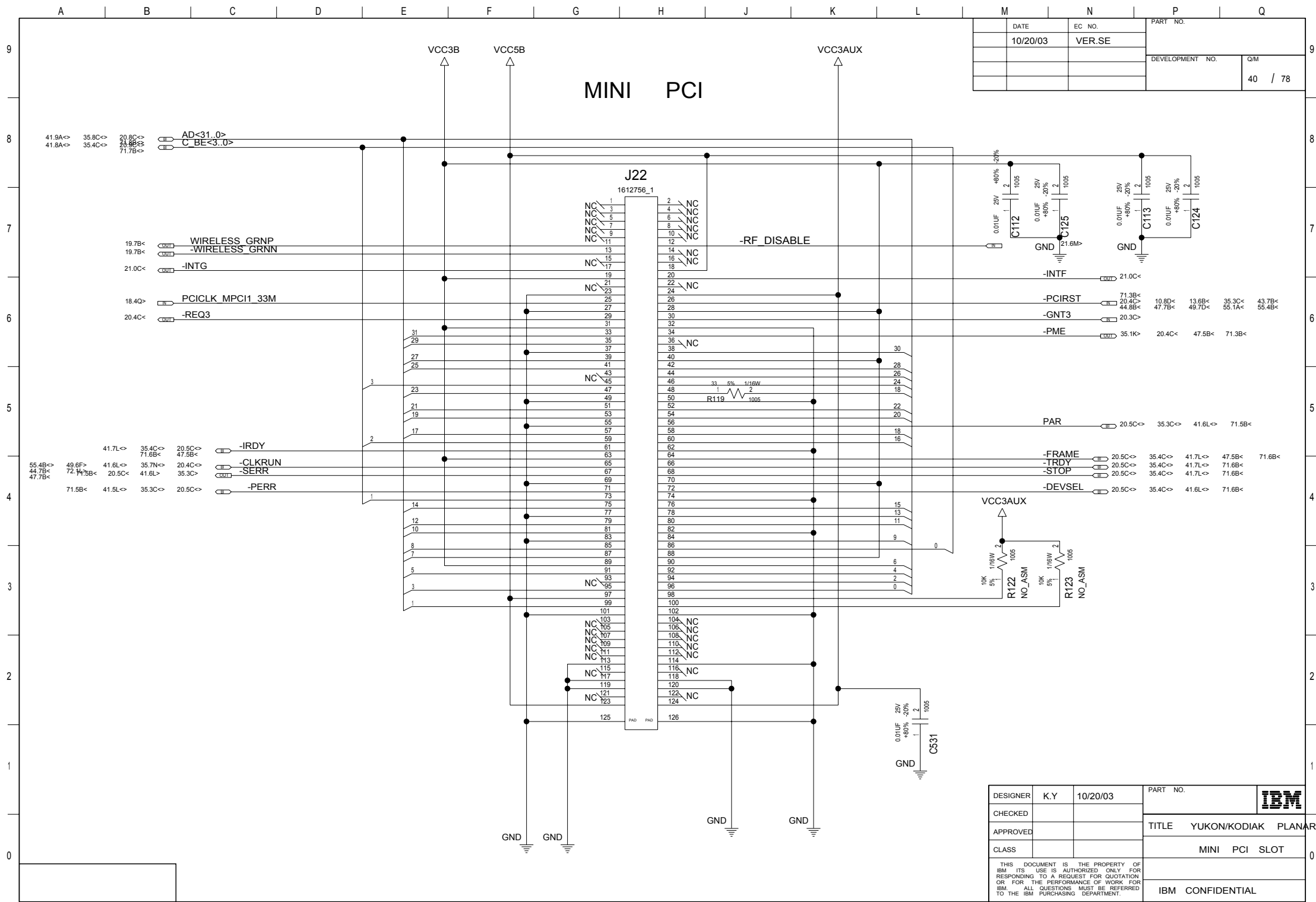


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				38 / 78

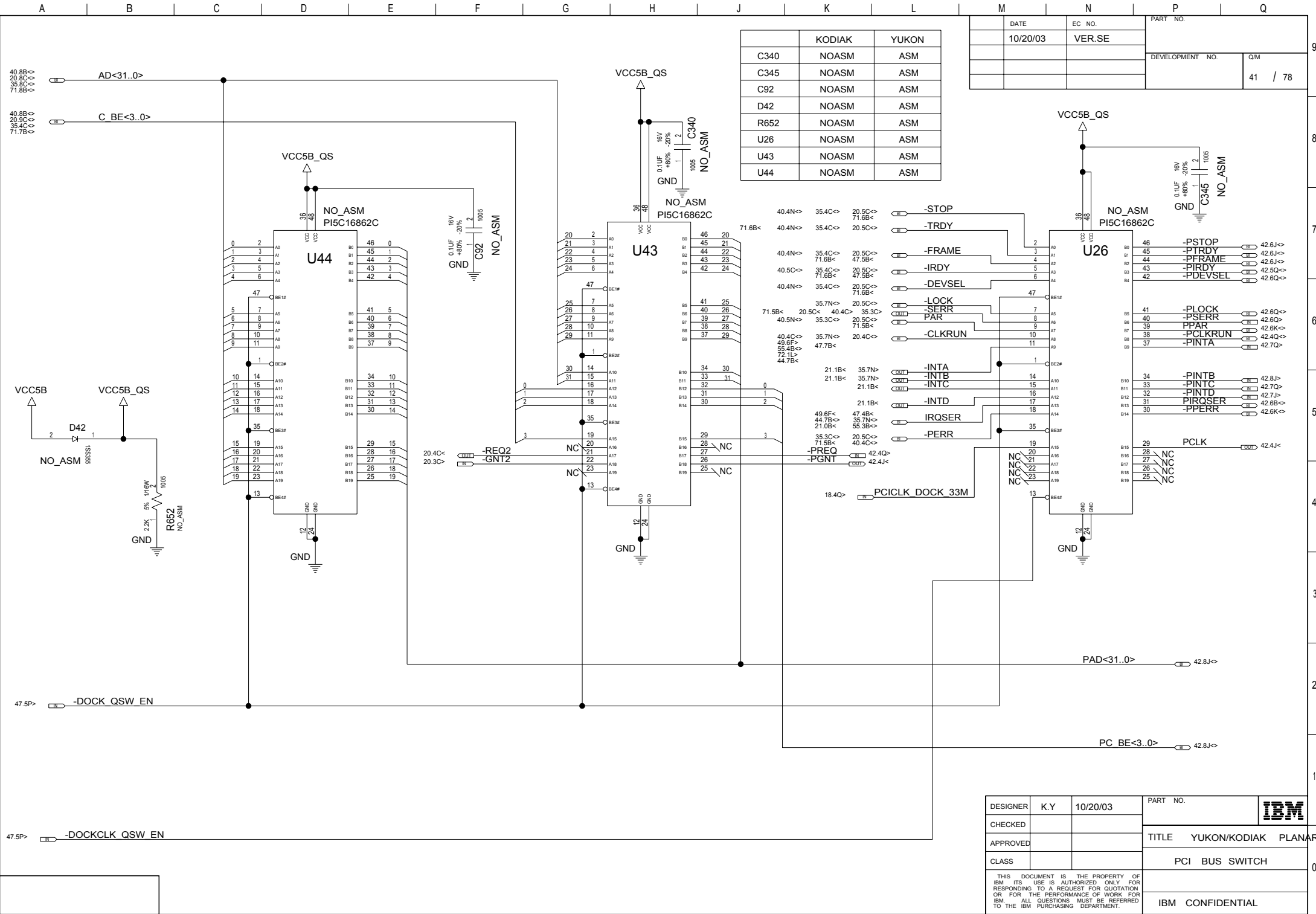


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APPROVED			TITLE	YUKON/KODIAK PLANAR
CLASS			CARD BUS SLOT	
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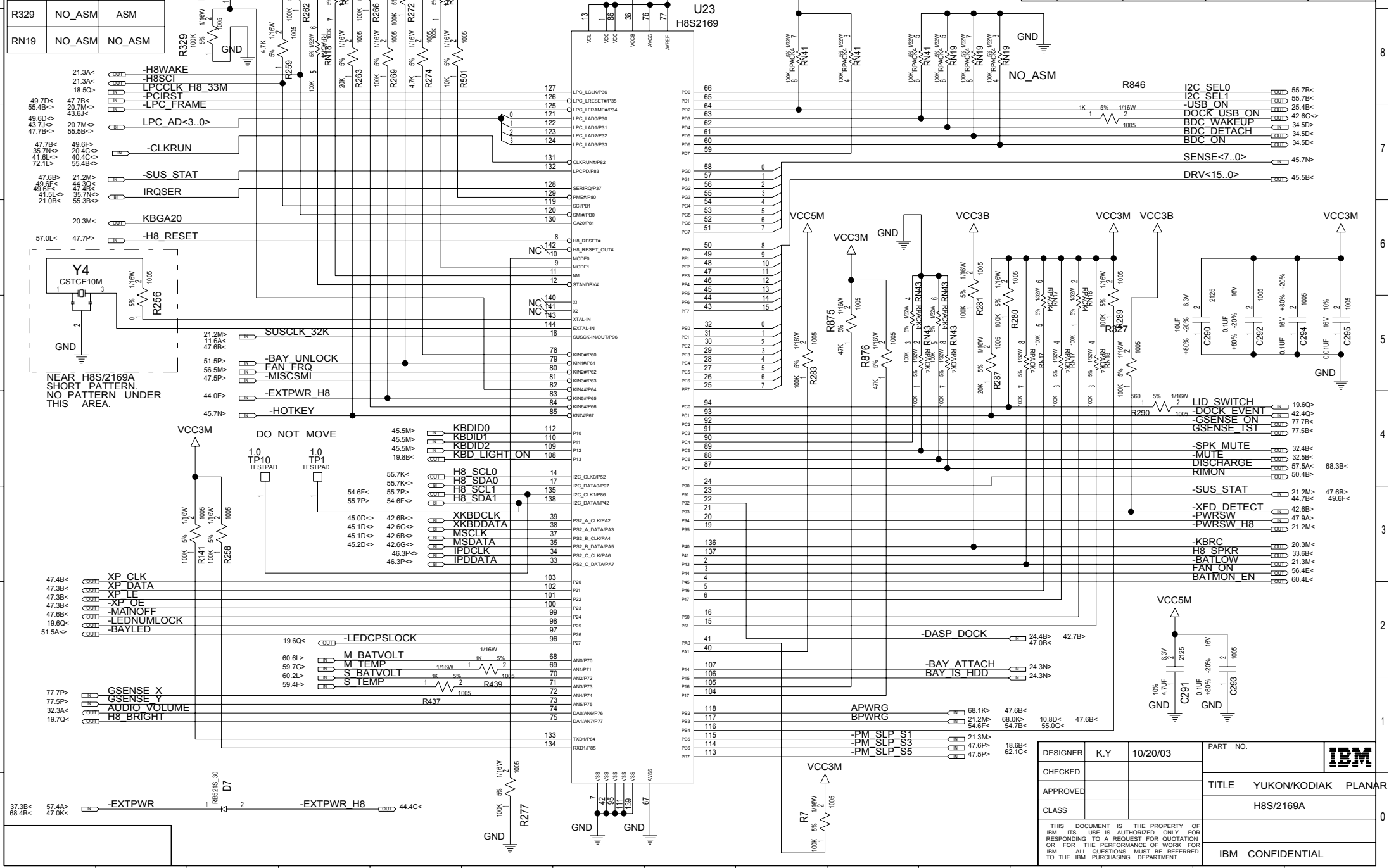


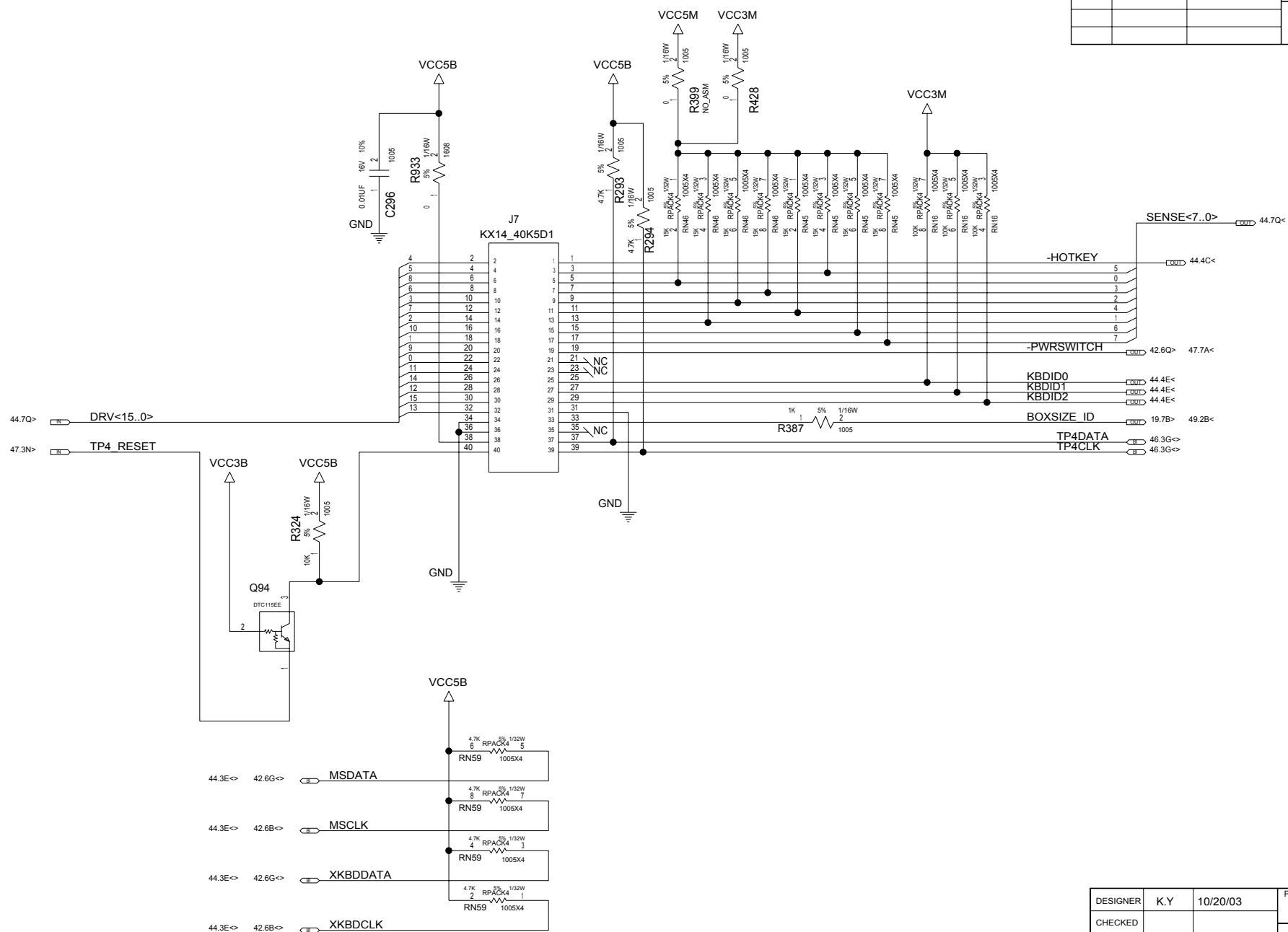







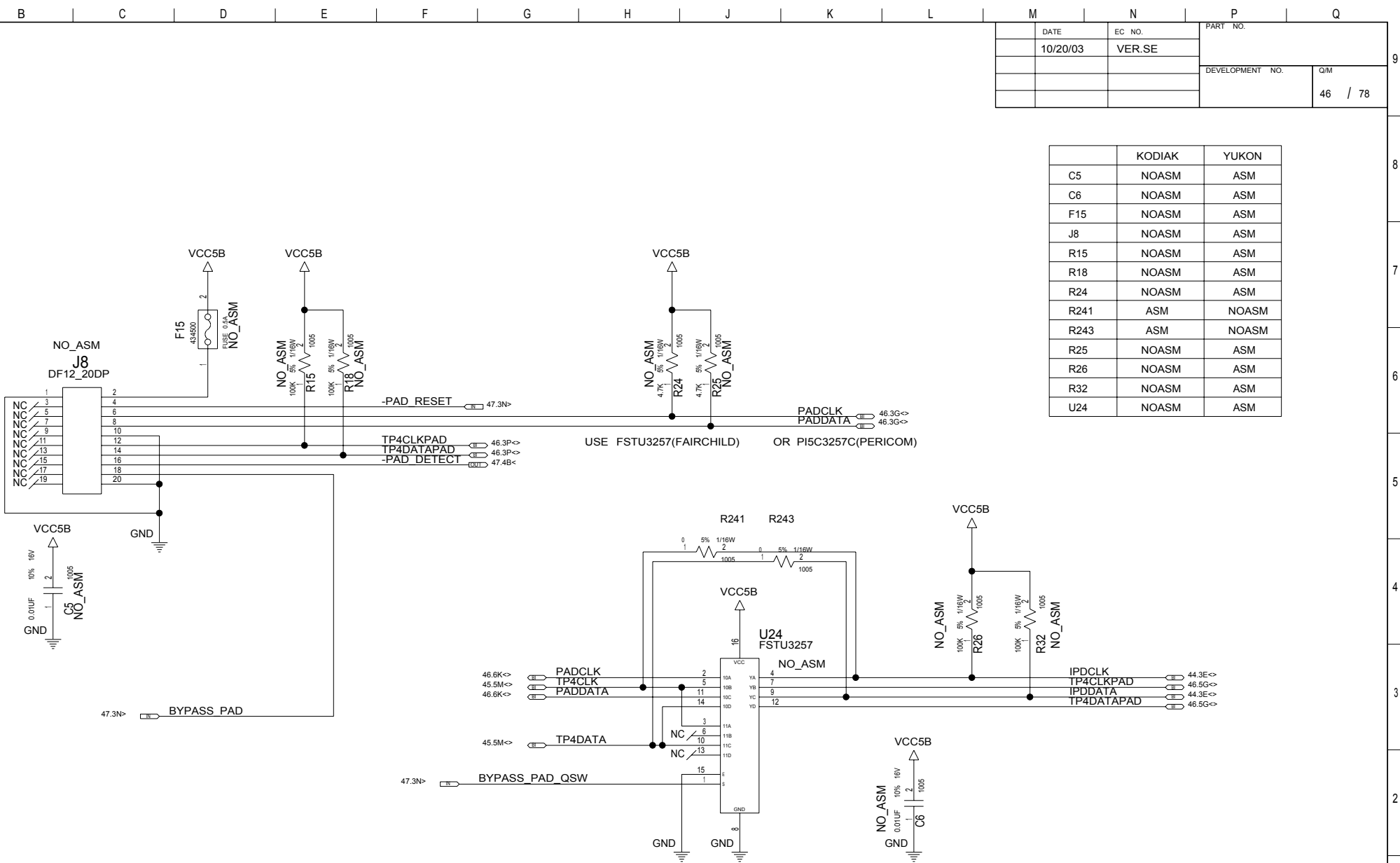






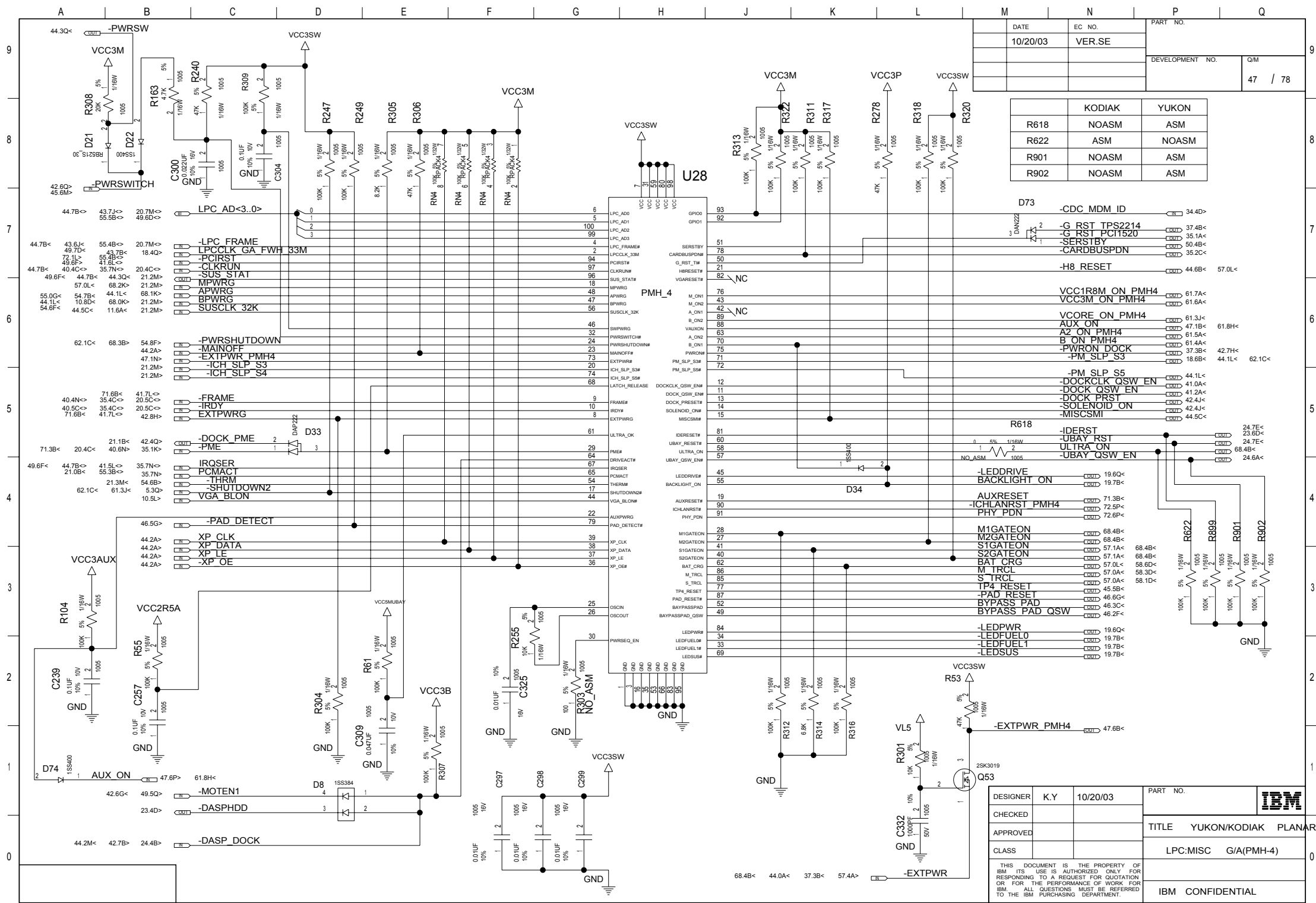
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	10/20/03	VER.SE					
			DEVELOPMENT NO.				Q/M 45 / 78

DESIGNER	K.Y	10/20/03	PART NO.	
CHECKED			TITLE	
APPROVED				
CLASS			KEYBOARD CONNECTOR	0
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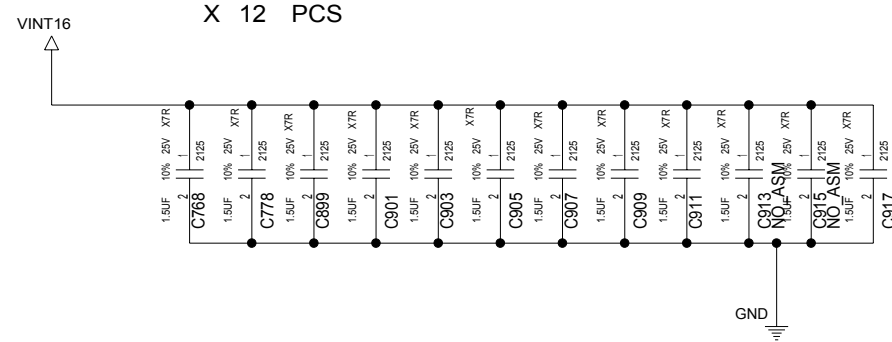
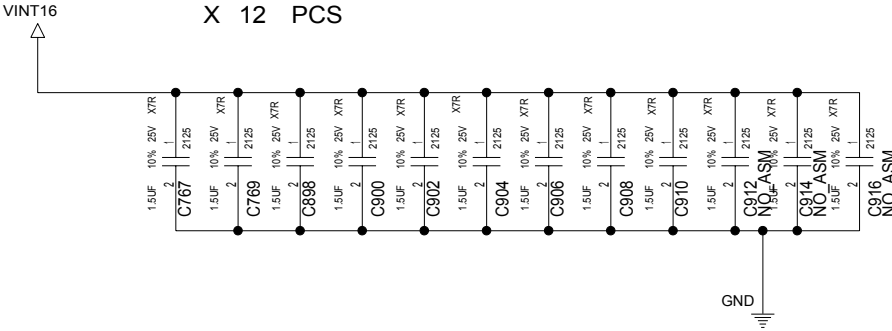
	KODIAK	YUKON
C5	NOASM	ASM
C6	NOASM	ASM
F15	NOASM	ASM
J8	NOASM	ASM
R15	NOASM	ASM
R18	NOASM	ASM
R24	NOASM	ASM
R241	ASM	NOASM
R243	ASM	NOASM
R25	NOASM	ASM
R26	NOASM	ASM
R32	NOASM	ASM
U24	NOASM	ASM

DESIGNER	K.Y	10/20/03	PART NO.	IBM
CHECKED				
APPROVED			TITLE	YUKON/KODIAK PLANAR
CLASS				TOUCH PAD CONNECTOR
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			DEVELOPMENT NO.	Q/M
				48 / 78

ADDITIONAL CAPS FOR VINT16 OF VCCCPUCORE.



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CHECKED				
APPROVED			TITLE YUKON/KODIAK PLANAR	
CLASS			VCCCPUCORE DECAP	
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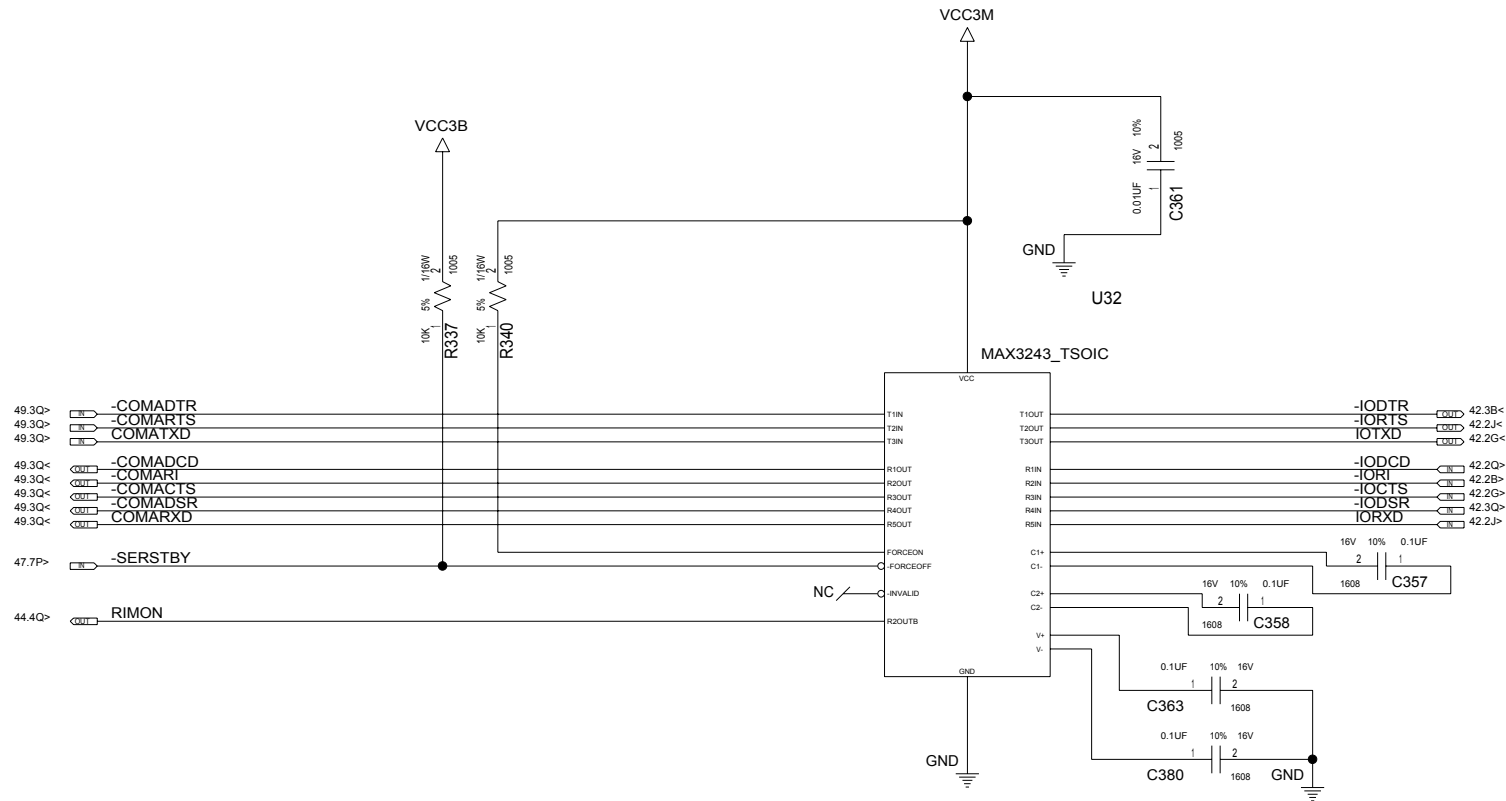


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	10/20/03	VER.SE		
			DEVELOPMENT NO.	Q/M
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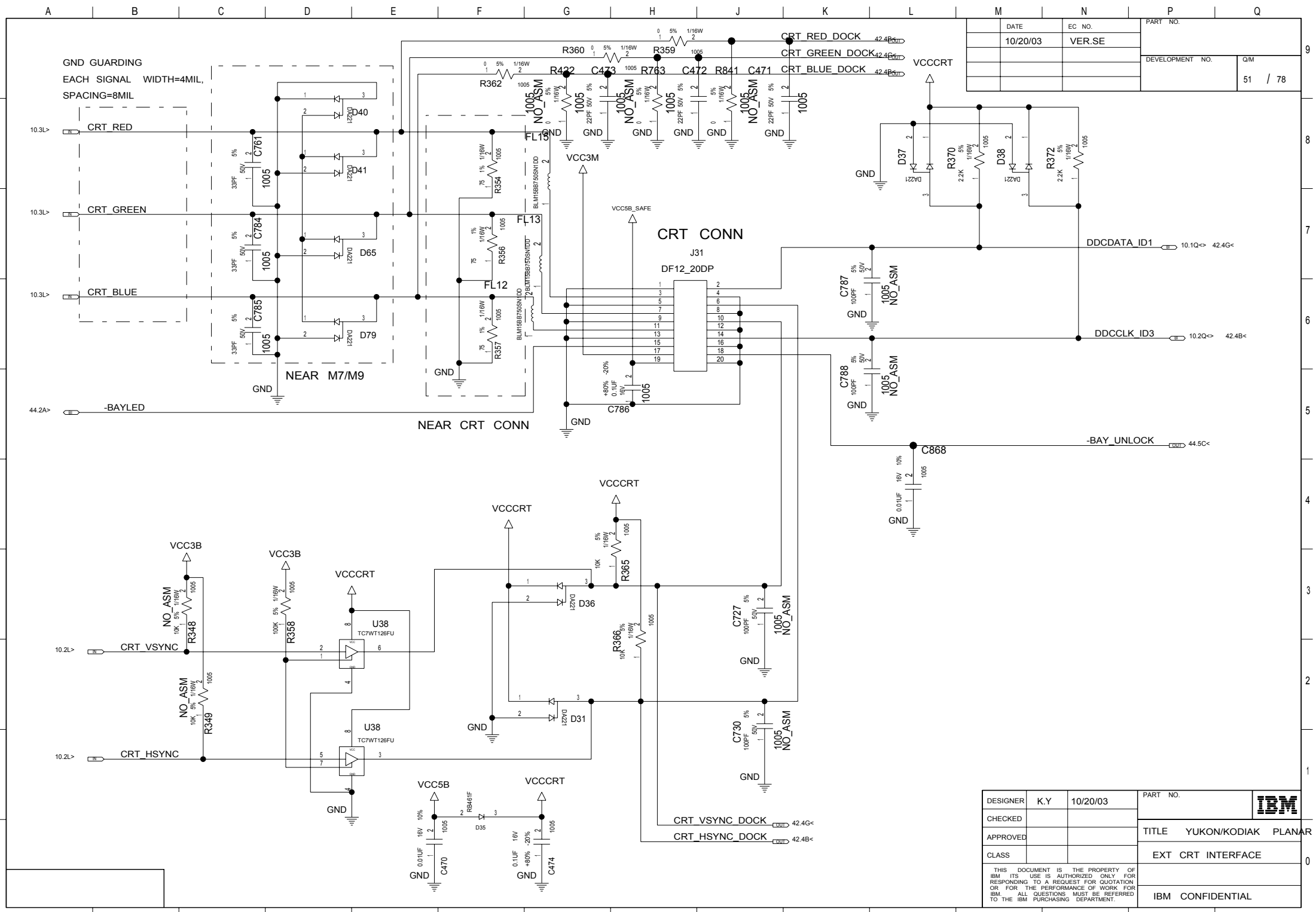


	KODIAK	YUKON
R337	NOASM	ASM
R340	NOASM	ASM
C361	NOASM	ASM
U32	NOASM	ASM
C357	NOASM	ASM
C358	NOASM	ASM
C363	NOASM	ASM
C380	NOASM	ASM

R11N/R2IN/R3IN/R5IN HAVE INTERNAL PULLDOWN(5K OHM).  
DO NOT WIRE SIGNALS UNDER PINS (1/2/3/24/25/26/27/28)  
CHARGE PUMP CAPACITOR SHOULD BE PLACED NEAR PINS(1/2/3/24/27/28)  
ADD GND SHIELD UNDER CHARGE PUMP CIRCUIT TO  
PROTECT POWER LINE NOISE  
CAPACITORS FOR CHARGE PUMP SHOULD BE USED TYPE B AND LOW ESR TYPE.

	NORMAL MODE	POWER DOWN MODE	AUTO POWER DOWN MODE
FORCEON	HIGH	DO NOT CARE	LOW
FOCEOFF	HIGH	LOW	HIGH

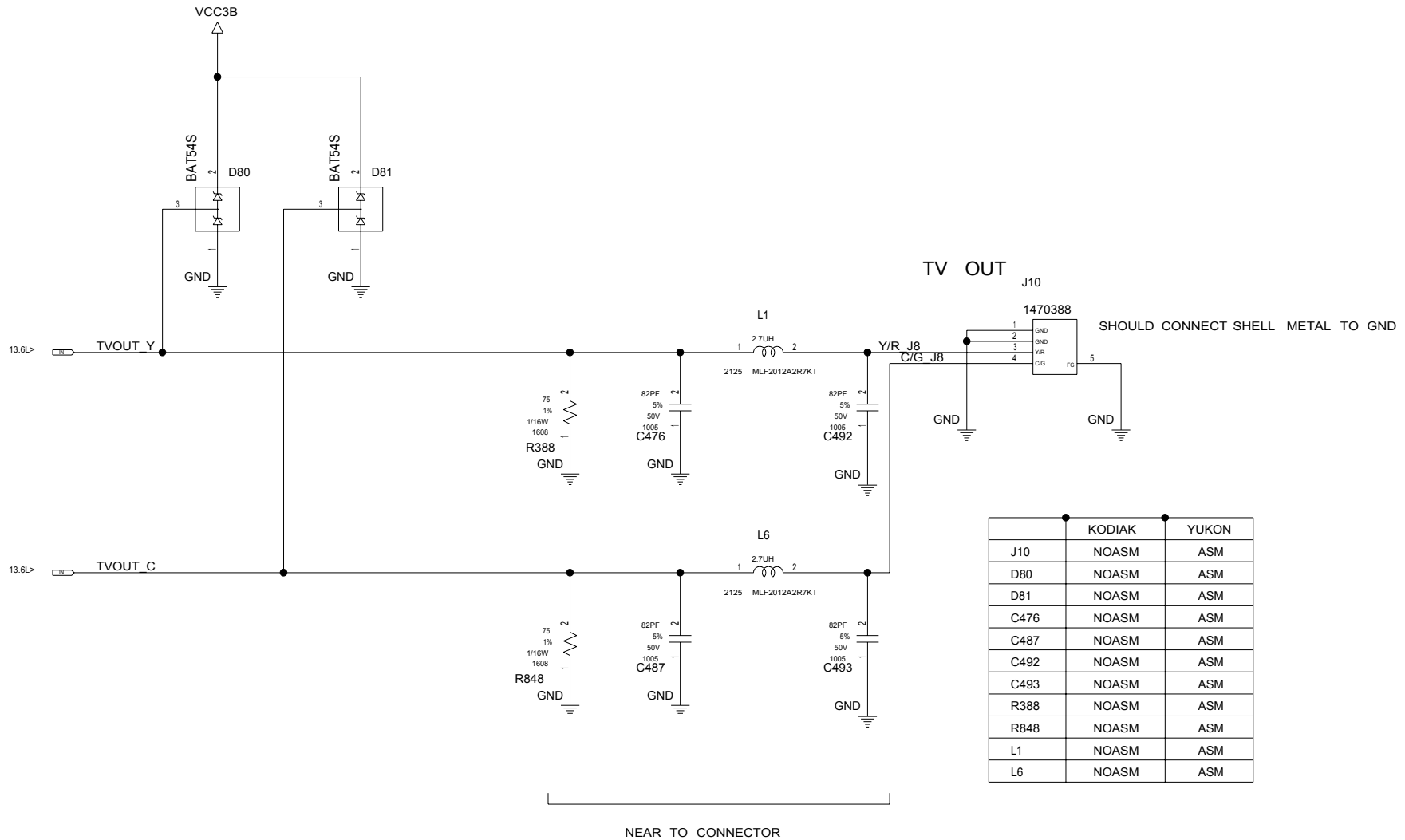
DESIGNER	K.Y	10/20/03	PART NO.	IBM
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APPROVED			TITLE	YUKON/KODIAK PLANAR
CLASS			SERIAL	INTERFACE
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APPROVED			TITLE	YUKON/KODIAK PLANAR
CLASS			EXT CRT INTERFACE	
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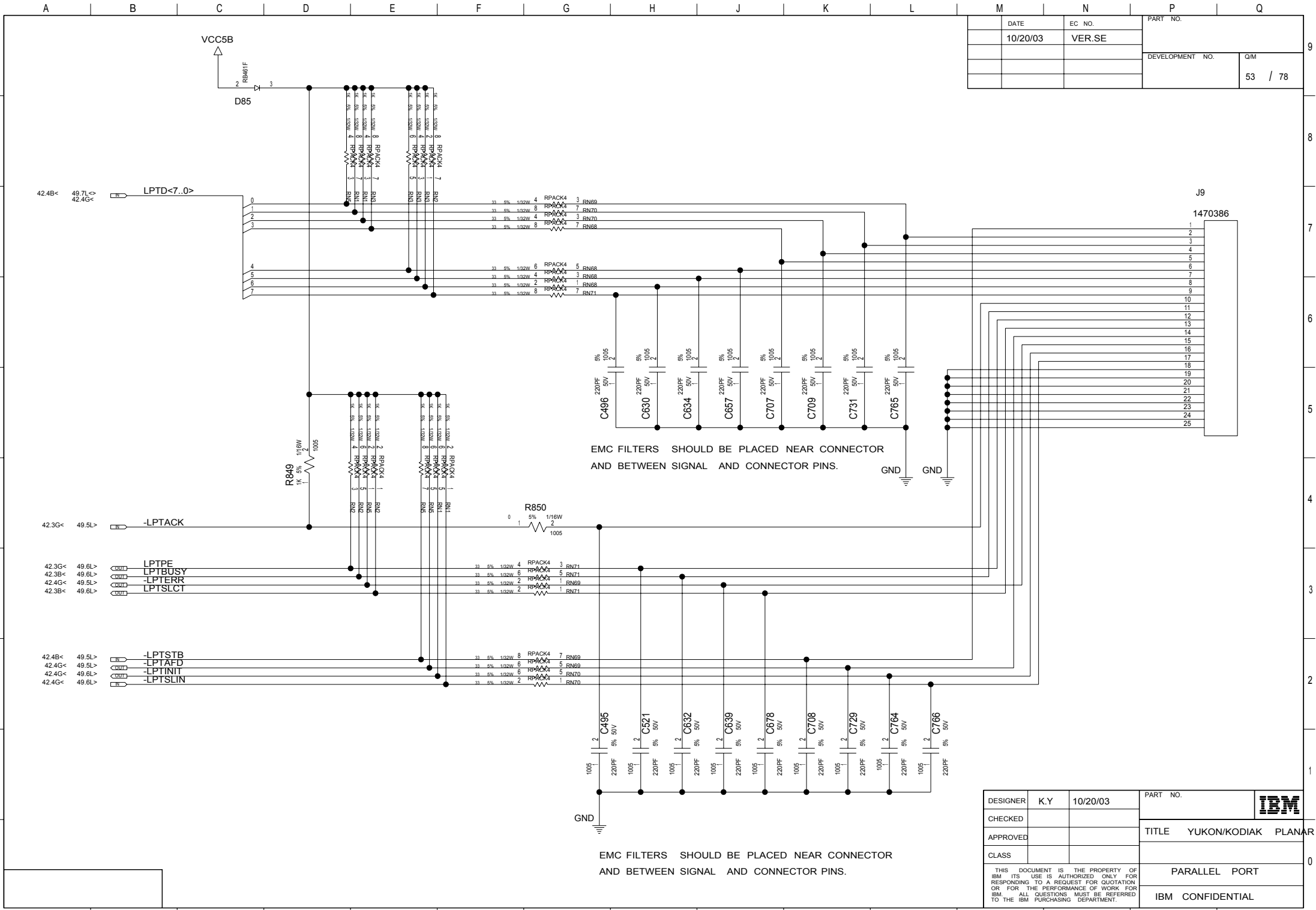
DATE		EC NO.	PART NO.	
10/20/03		VER.SE		
			DEVELOPMENT NO.	Q/M
				52 / 78

GND GUARDING  
WIDTH:  
MORE THAN 8 MIL



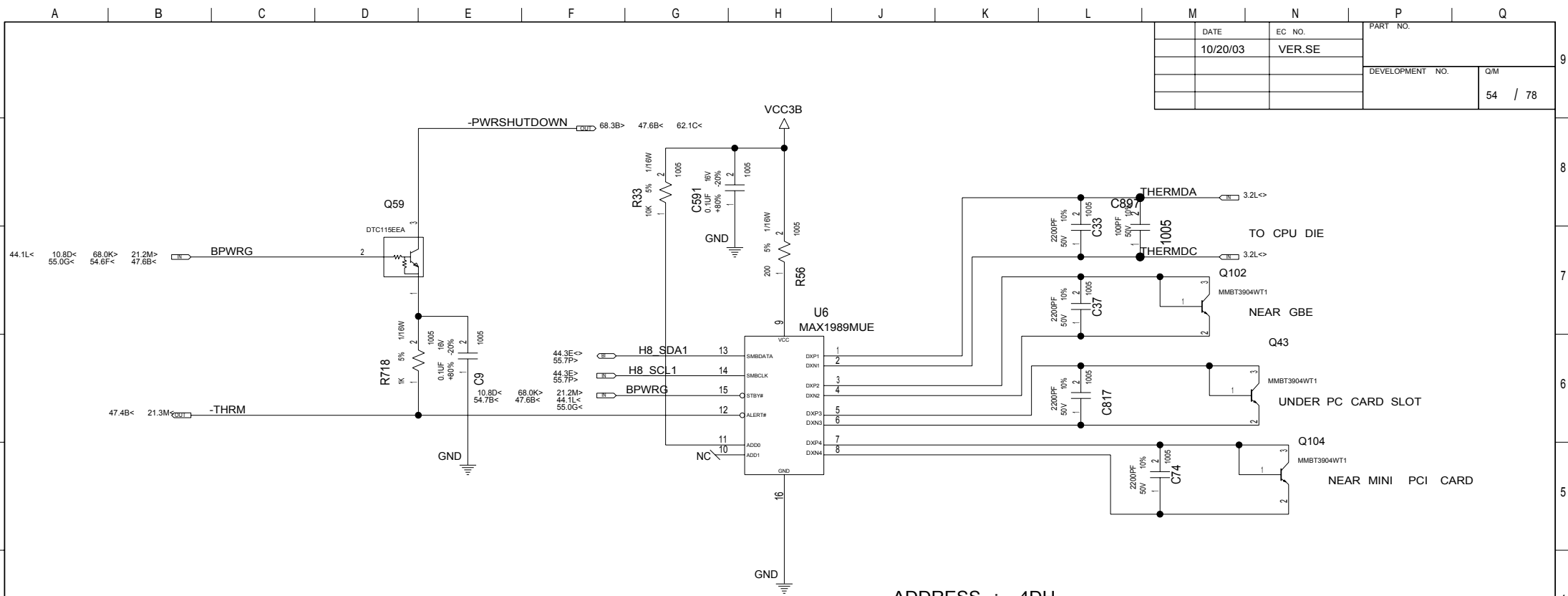
	KODIAK	YUKON
J10	NOASM	ASM
D80	NOASM	ASM
D81	NOASM	ASM
C476	NOASM	ASM
C487	NOASM	ASM
C492	NOASM	ASM
C493	NOASM	ASM
R388	NOASM	ASM
R848	NOASM	ASM
L1	NOASM	ASM
L6	NOASM	ASM

DESIGNER	K.Y	10/20/03	PART NO.	IBM
CHECKED			TITLE YUKON/KODIAK PLANAR	
APPROVED				
CLASS			TV OUT CONNECTOR	
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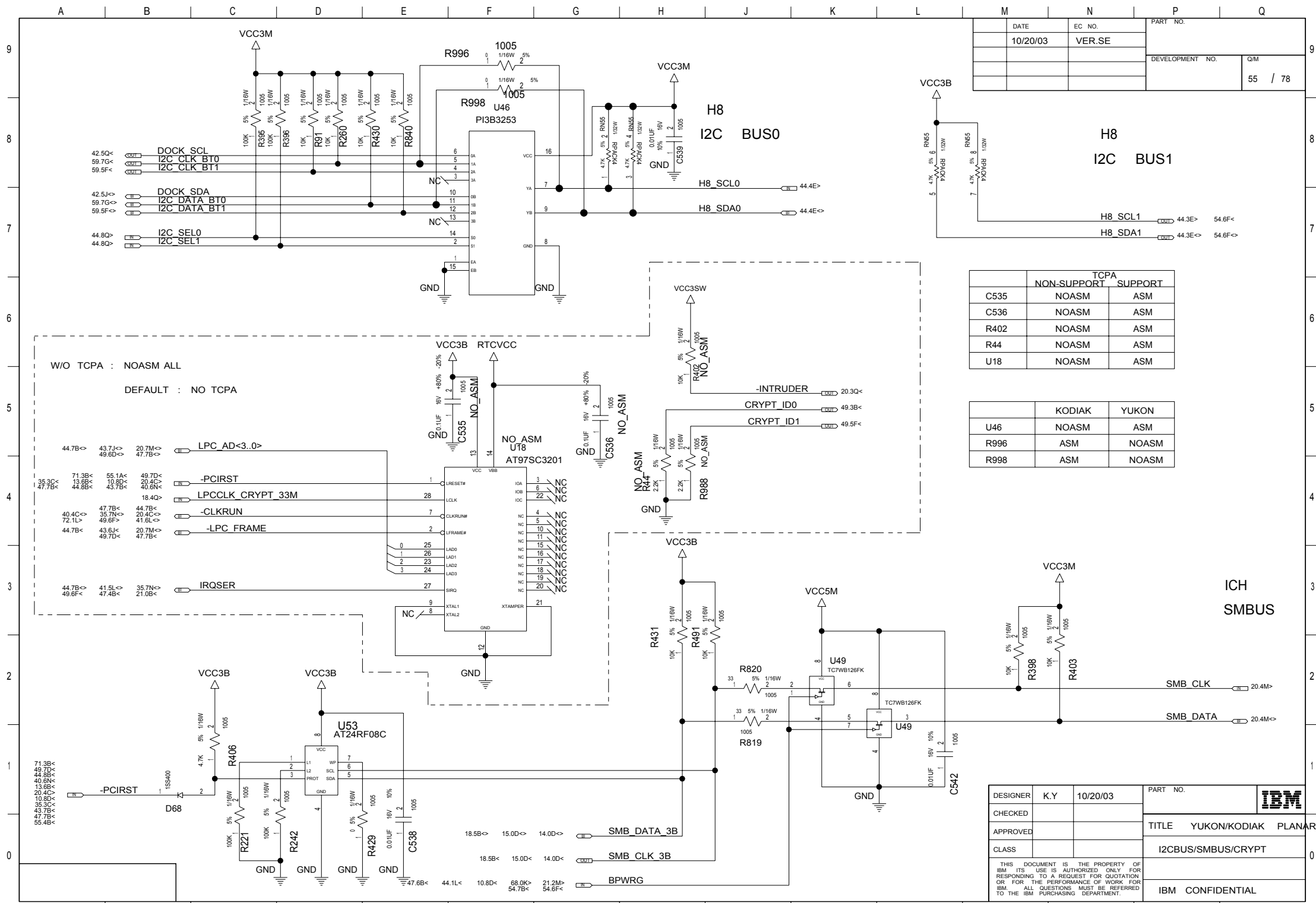


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				53 / 78

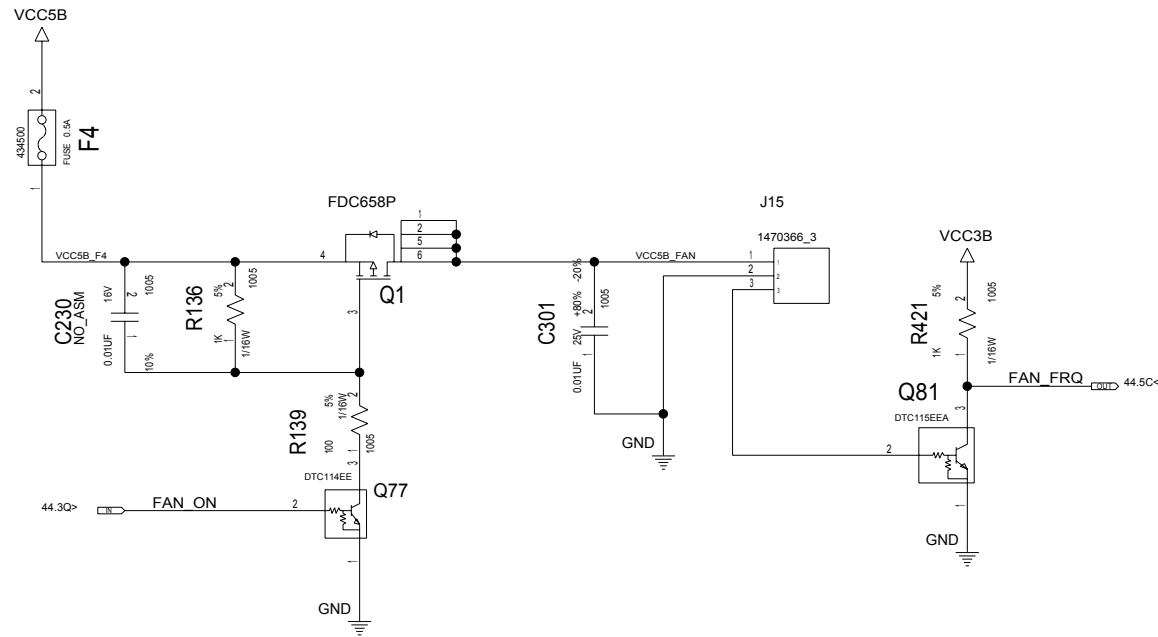
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CHECKED				
APPROVED			TITLE	YUKON/KODIAK PLANAR
CLASS				
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APPROVED			TITLE	YUKON/KODIAK PLANAR
CLASS				THERMAL SENSOR
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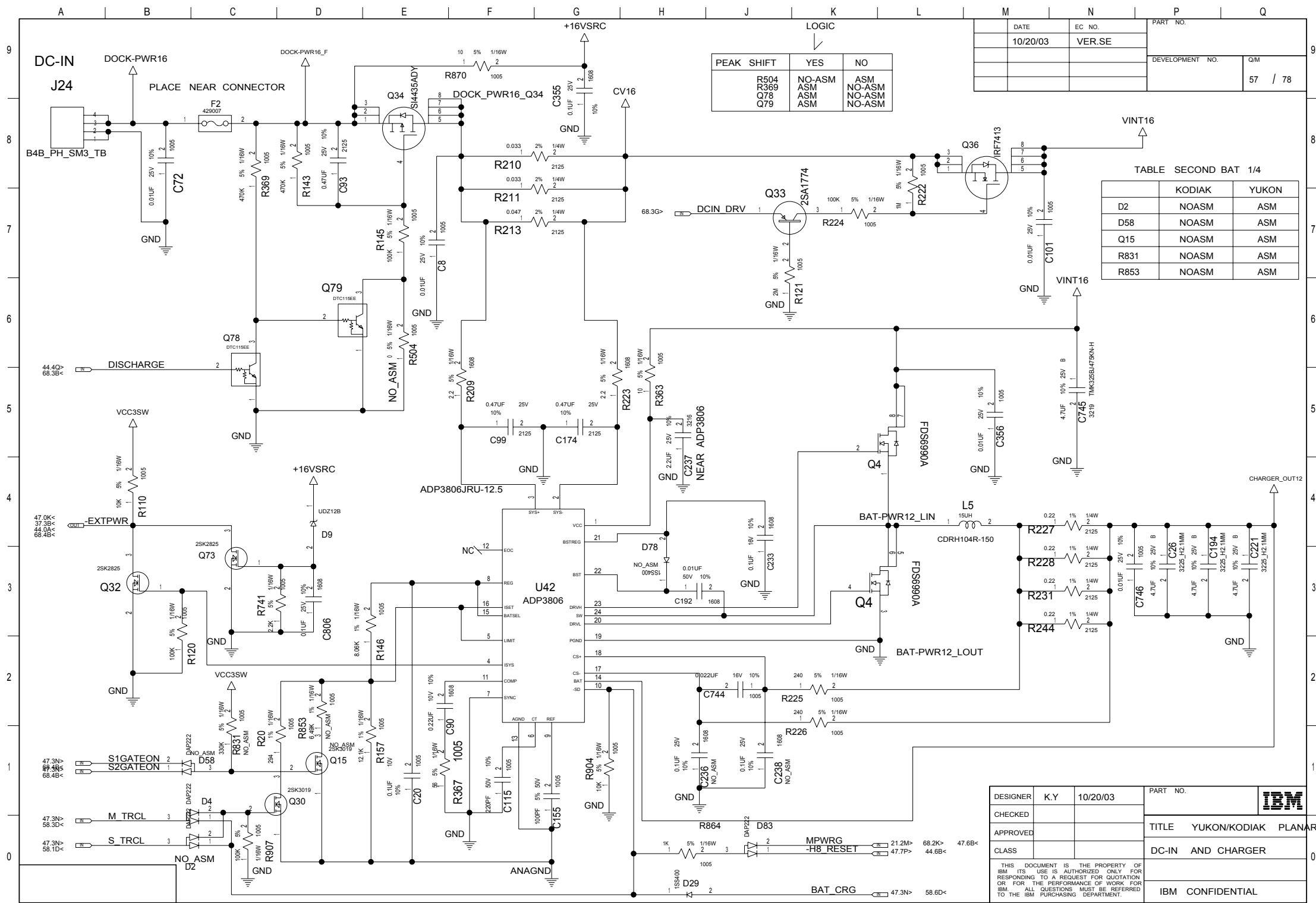


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	DATE	EC NO.	PART NO.				
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			DEVELOPMENT NO.				Q/M 56 / 78

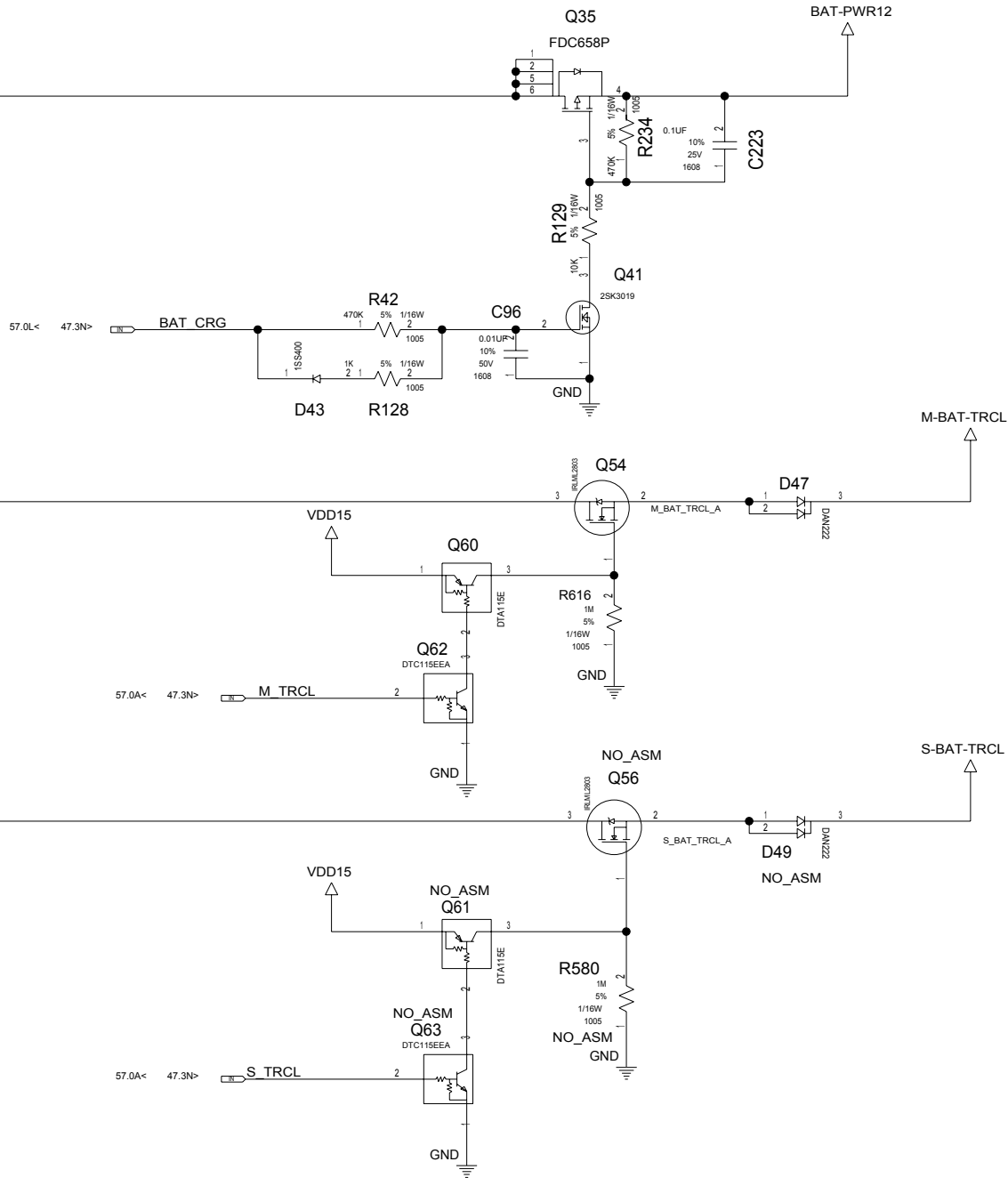


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APPROVED			TITLE	YUKON/KODIAK PLANAR
CLASS			FAN CONNECTOR	0
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CHARGER\_OUT12

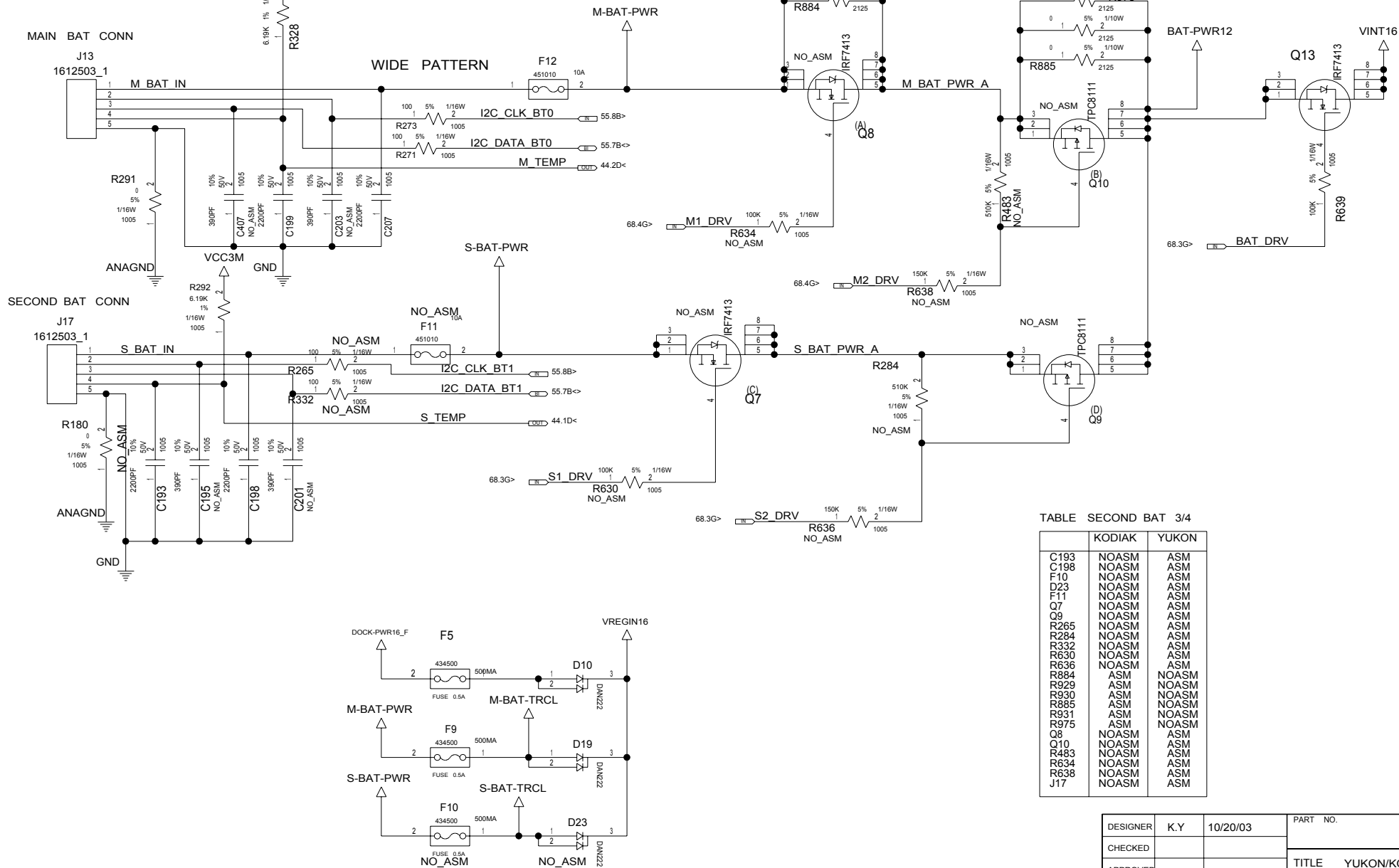


DATE	EC NO.	PART NO.	
10/20/03	VER.SE		
		DEVELOPMENT NO.	Q/M
			58 / 78


TABLE SECOND BAT 2/4

	KODIAK	YUKON
D49	NOASM	ASM
Q56	NOASM	ASM
Q61	NOASM	ASM
Q63	NOASM	ASM
R580	NOASM	ASM

DESIGNER	K.Y	10/20/03	PART NO.	IBM
CHECKED			TITLE YUKON/KODIAK PLANAR	
APPROVED			CHARGE SELECTOR	
CLASS			0	
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TABLE SECOND BAT 3/4

	KODIAK	YUKON
C193	NOASM	ASM
C198	NOASM	ASM
F10	NOASM	ASM
D23	NOASM	ASM
F11	NOASM	ASM
Q7	NOASM	ASM
Q9	NOASM	ASM
R265	NOASM	ASM
R28	NOASM	ASM
R332	NOASM	ASM
R630	NOASM	ASM
R636	NOASM	ASM
R884	ASM	NOASM
R929	ASM	NOASM
R930	ASM	NOASM
R885	ASM	NOASM
R971	ASM	NOASM
R975	ASM	NOASM
Q8	NOASM	ASM
Q10	NOASM	ASM
R483	NOASM	ASM
R634	NOASM	ASM
R638	NOASM	ASM
J17	NOASM	ASM

DESIGNER	K.Y	10/20/03	PART NO. 
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APPROVED			
CLASS			
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			BATTERY INPUT
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DATE		EC NO.	PART NO.	
10/20/03		VER.SE		
			DEVELOPMENT NO.	Q/M
				60 / 78

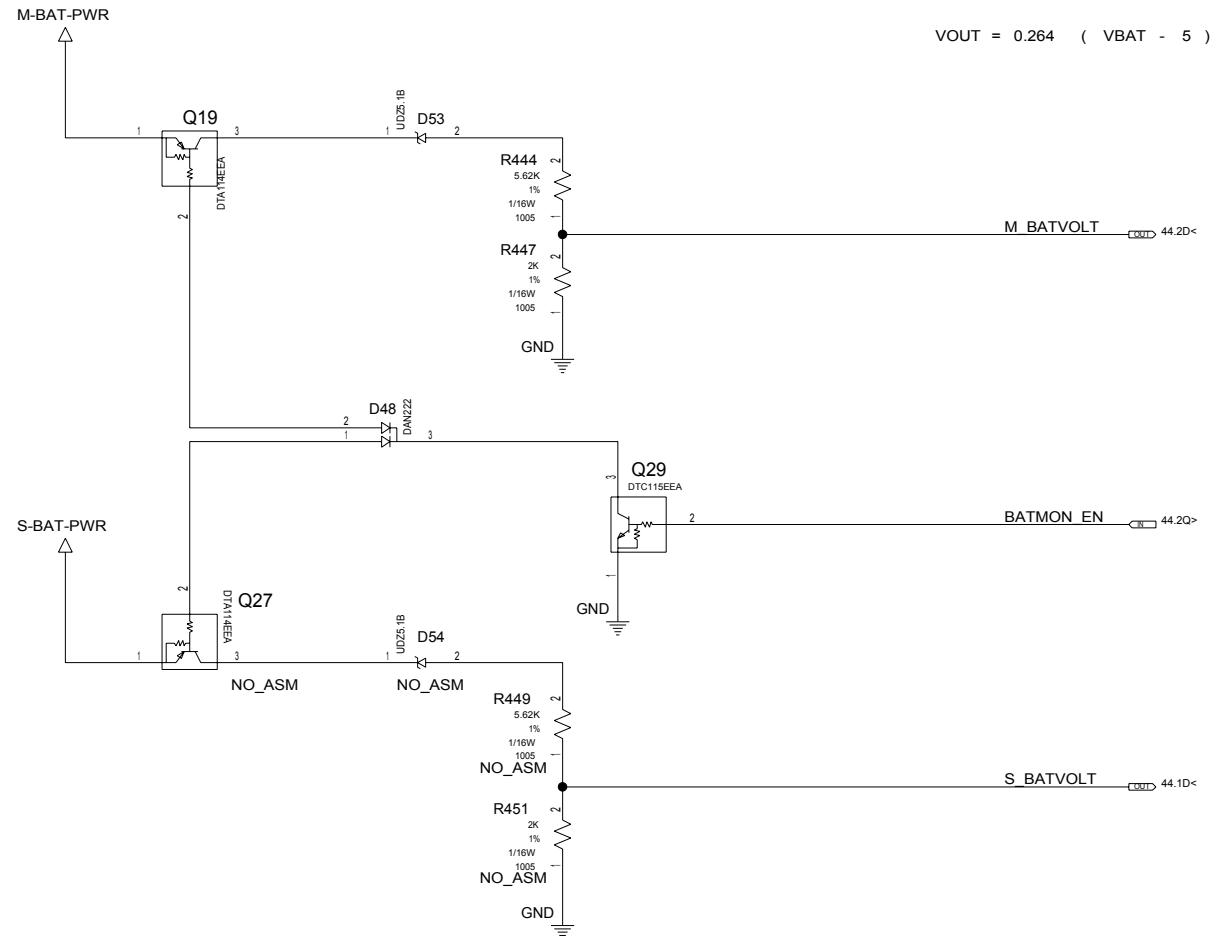
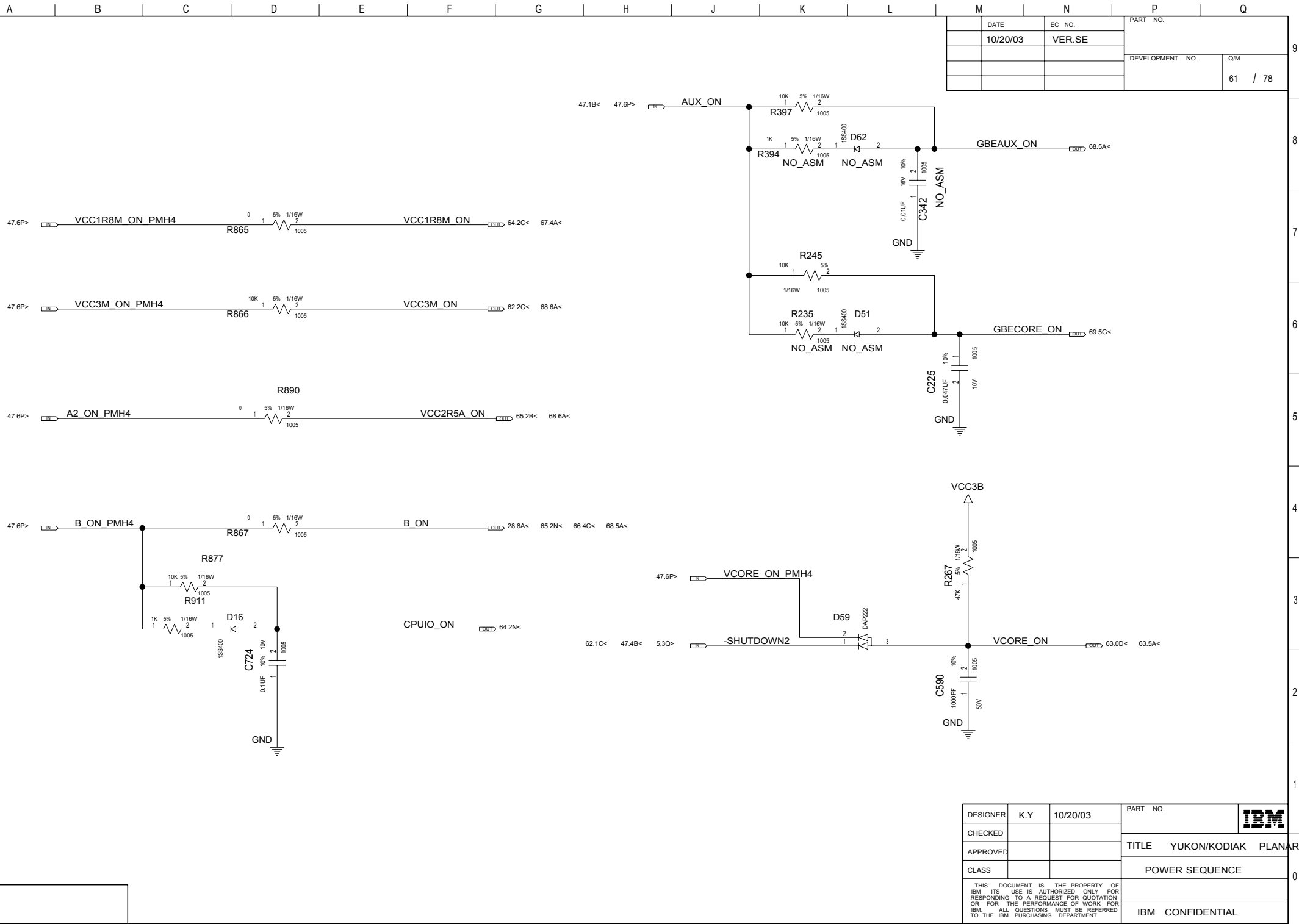
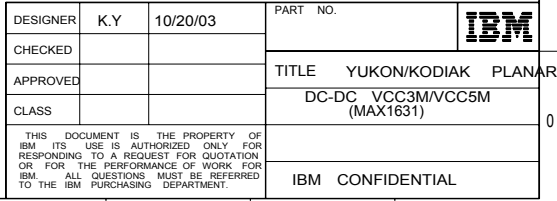


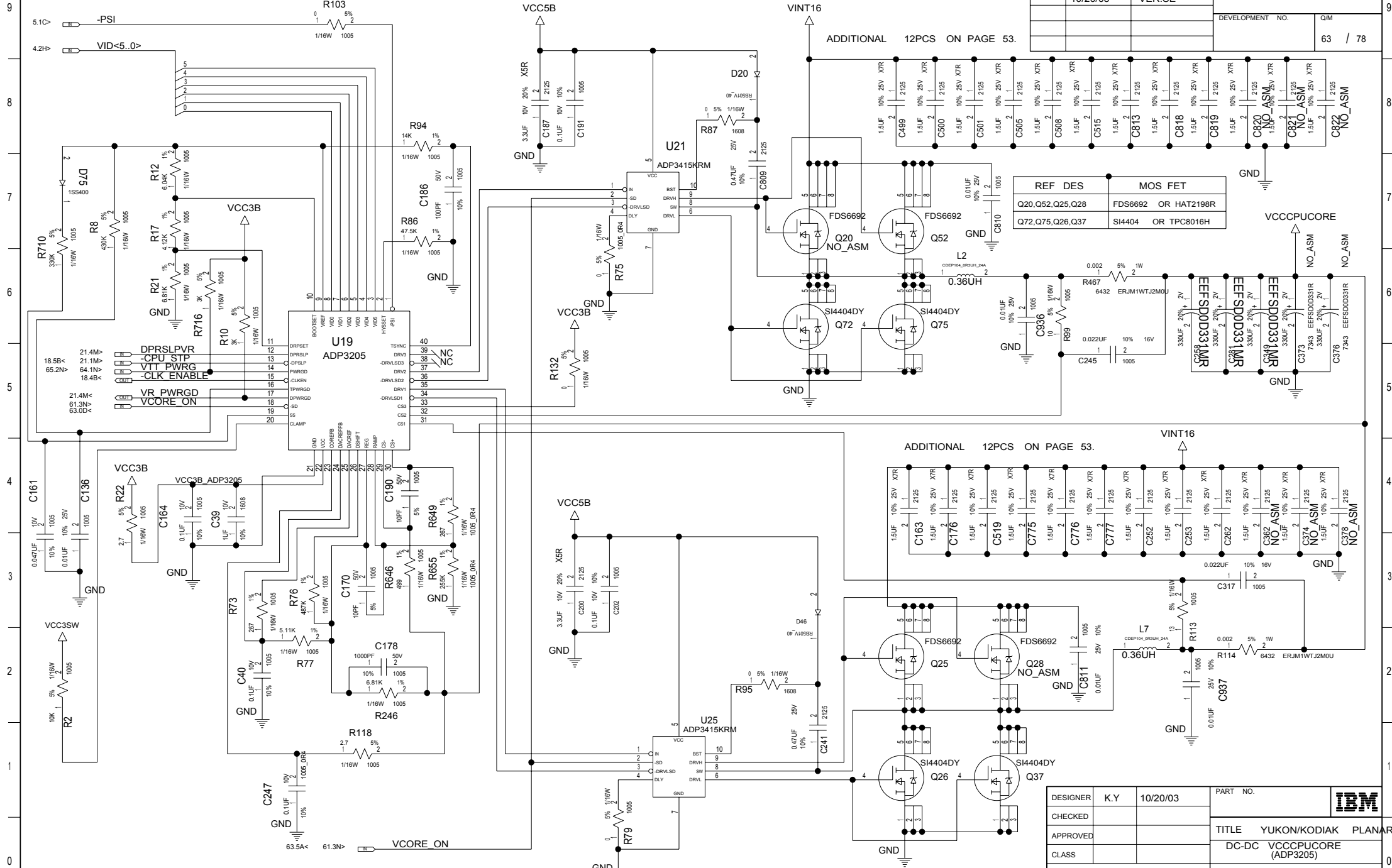
TABLE SECOND BAT 4/4

	KODIAK	YUKON
D54	NOASM	ASM
Q27	NOASM	ASM
R449	NOASM	ASM
R451	NOASM	ASM

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APPROVED			BATTERY MONITOR	
CLASS			0	
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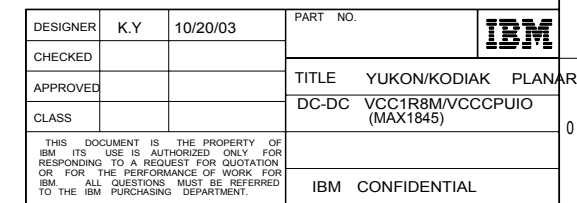




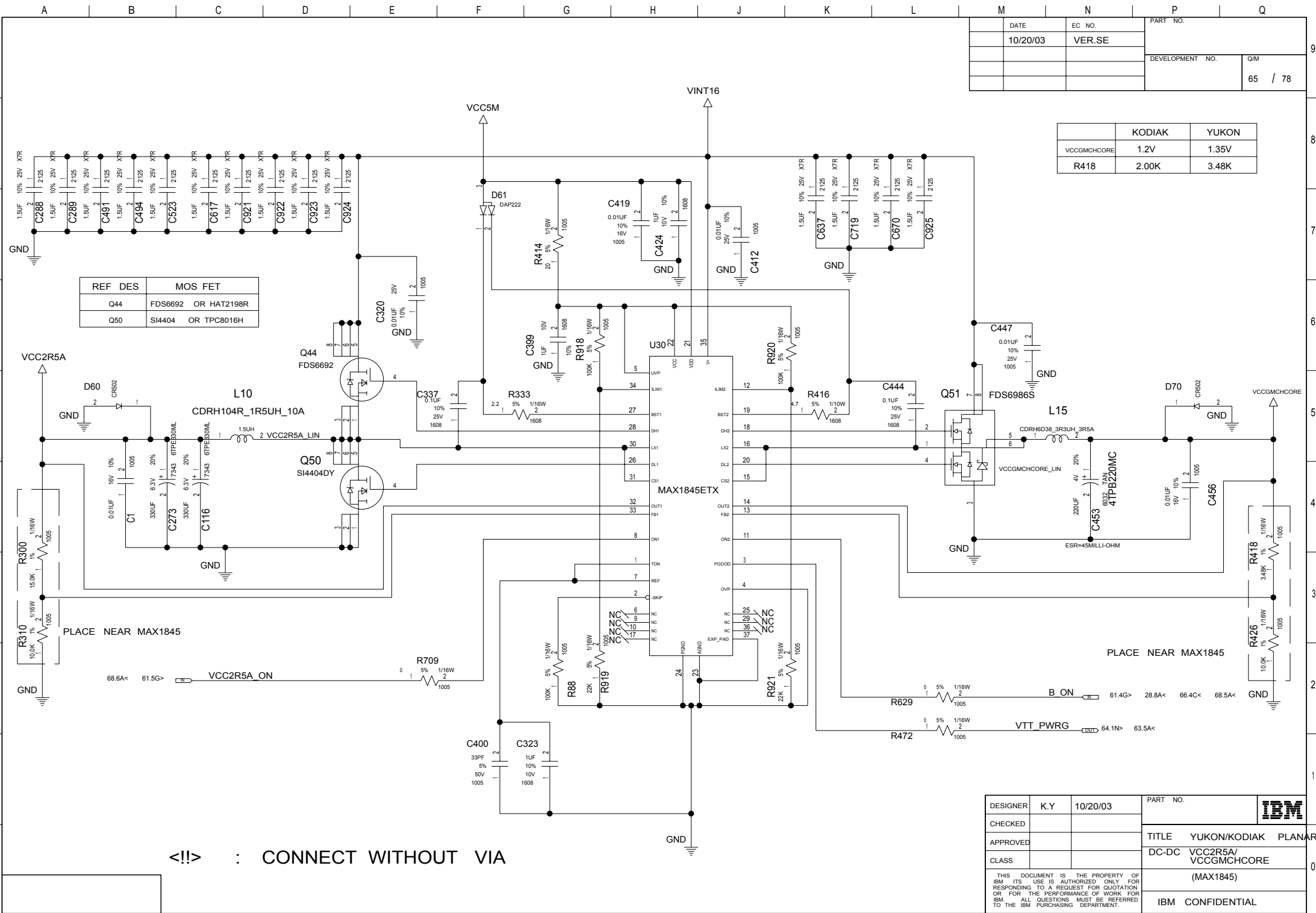


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Q2,Q75,Q26,Q37		SI4404 OR TPC8016H

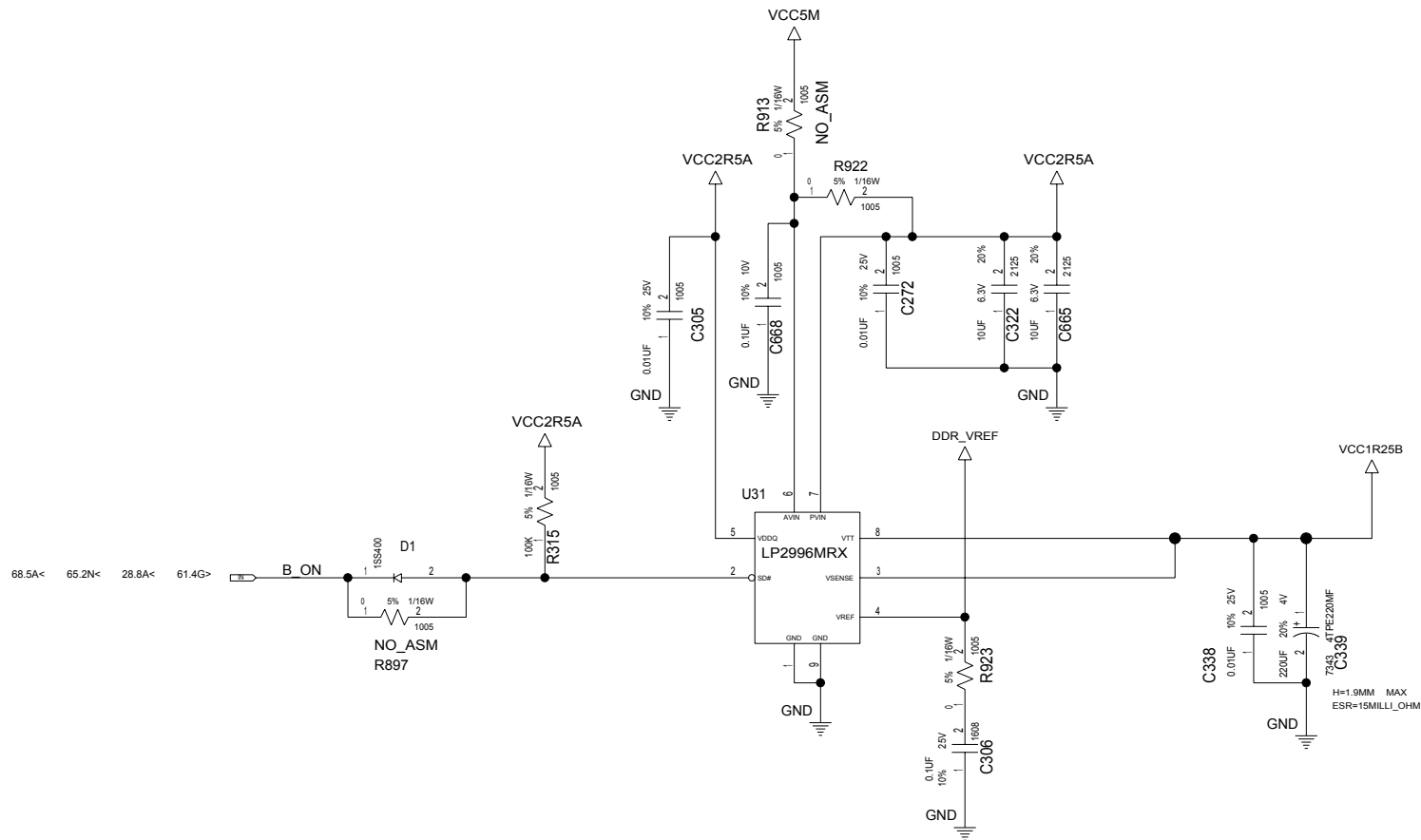
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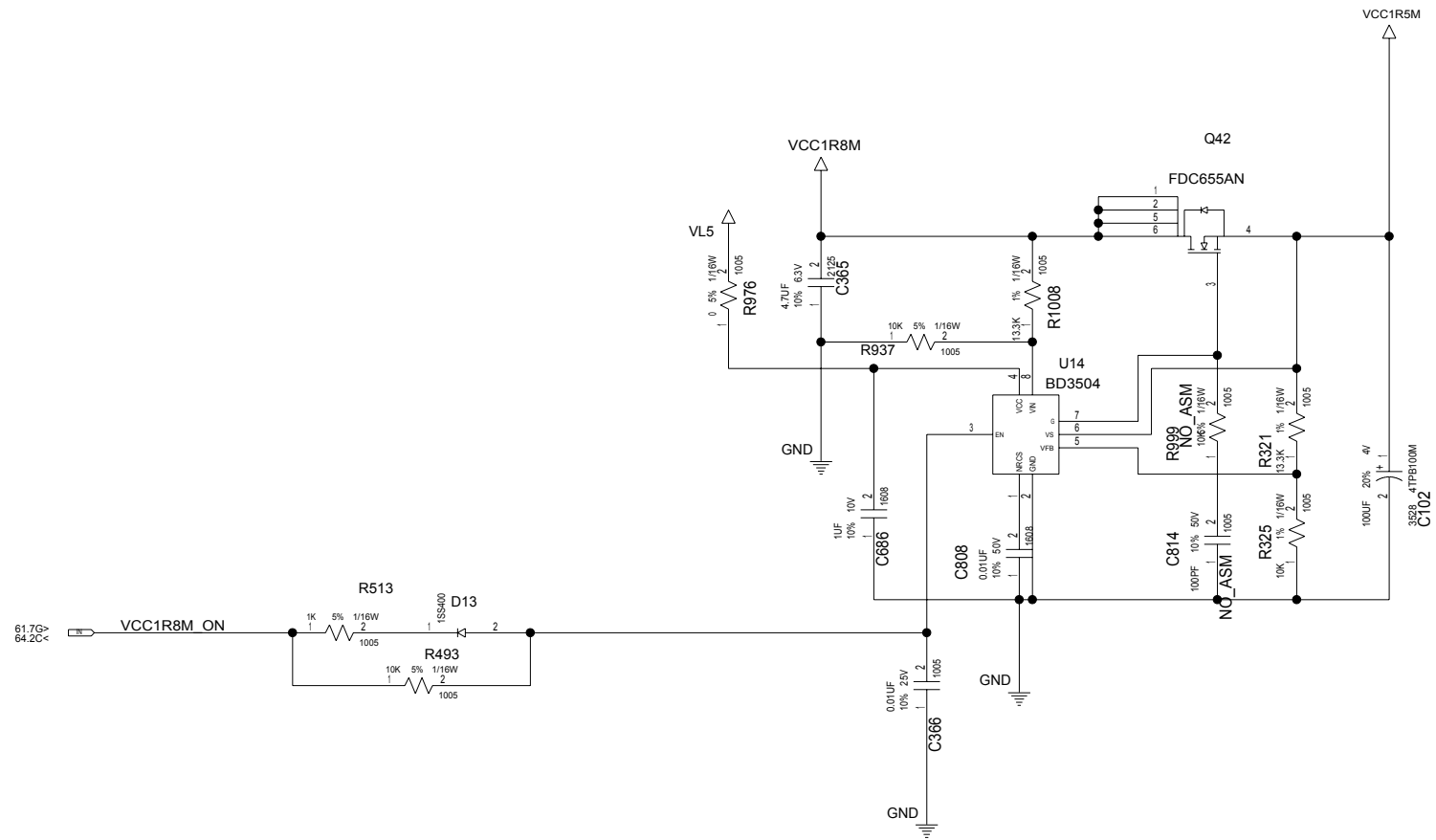


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			DEVELOPMENT NO.				Q/M 66 / 78



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APPROVED			TITLE	YUKON/KODIAK PLANAR
CLASS			DC-DC	VCC1R25B
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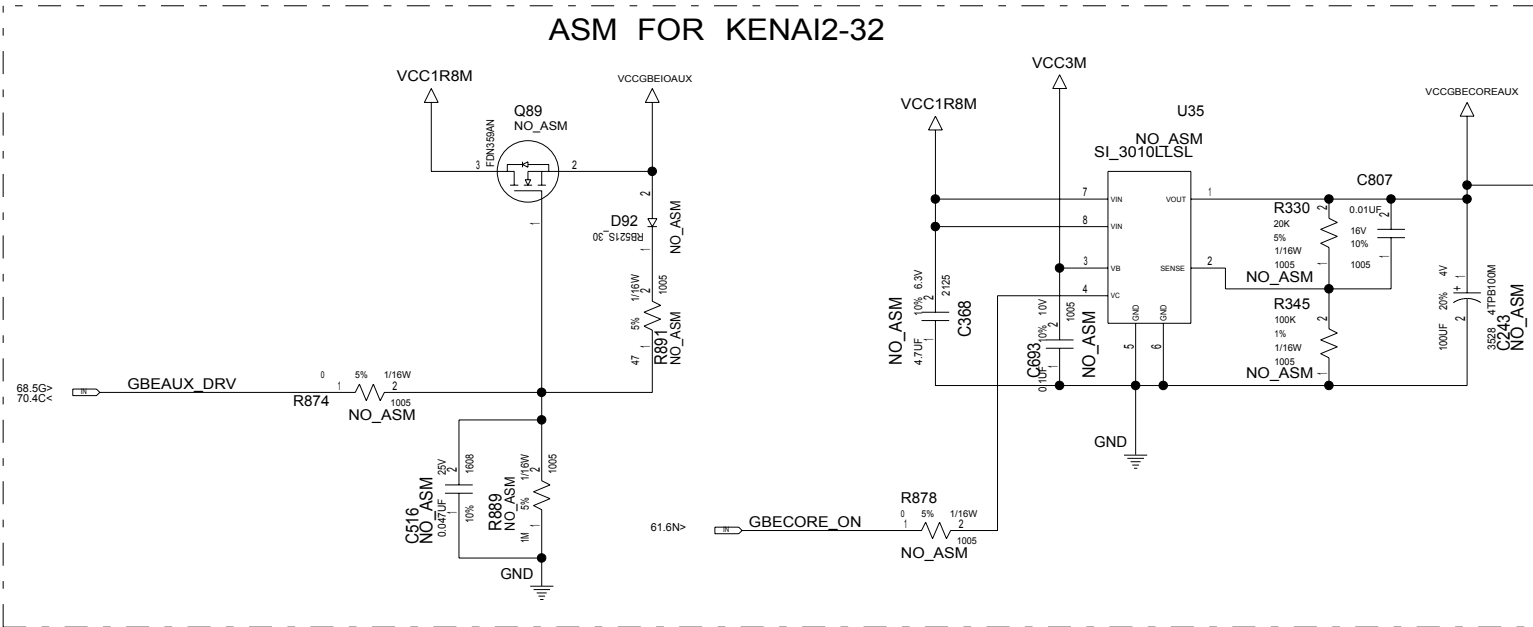
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DATE		EC NO.		PART NO.			
10/20/03		VER.SE					
				DEVELOPMENT NO.		Q/M	
						67 / 78	



DESIGNER	K.Y	10/20/03	PART NO.	IBM
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APPROVED			TITLE YUKON/KODIAK PLANAR	
CLASS			DC-DC VCC1R5M	
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10/20/03		VER.SE		
			DEVELOPMENT NO.	Q/M
				69 / 78



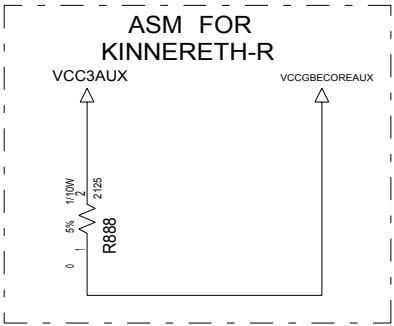
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SIT:SI-3010LLSL(MP)

	KINNERETH-R	KENAI2-32
VCCGBECOREAUX	3.3V	1.2V
VCCGBEIOAUX	N/A	1.8V

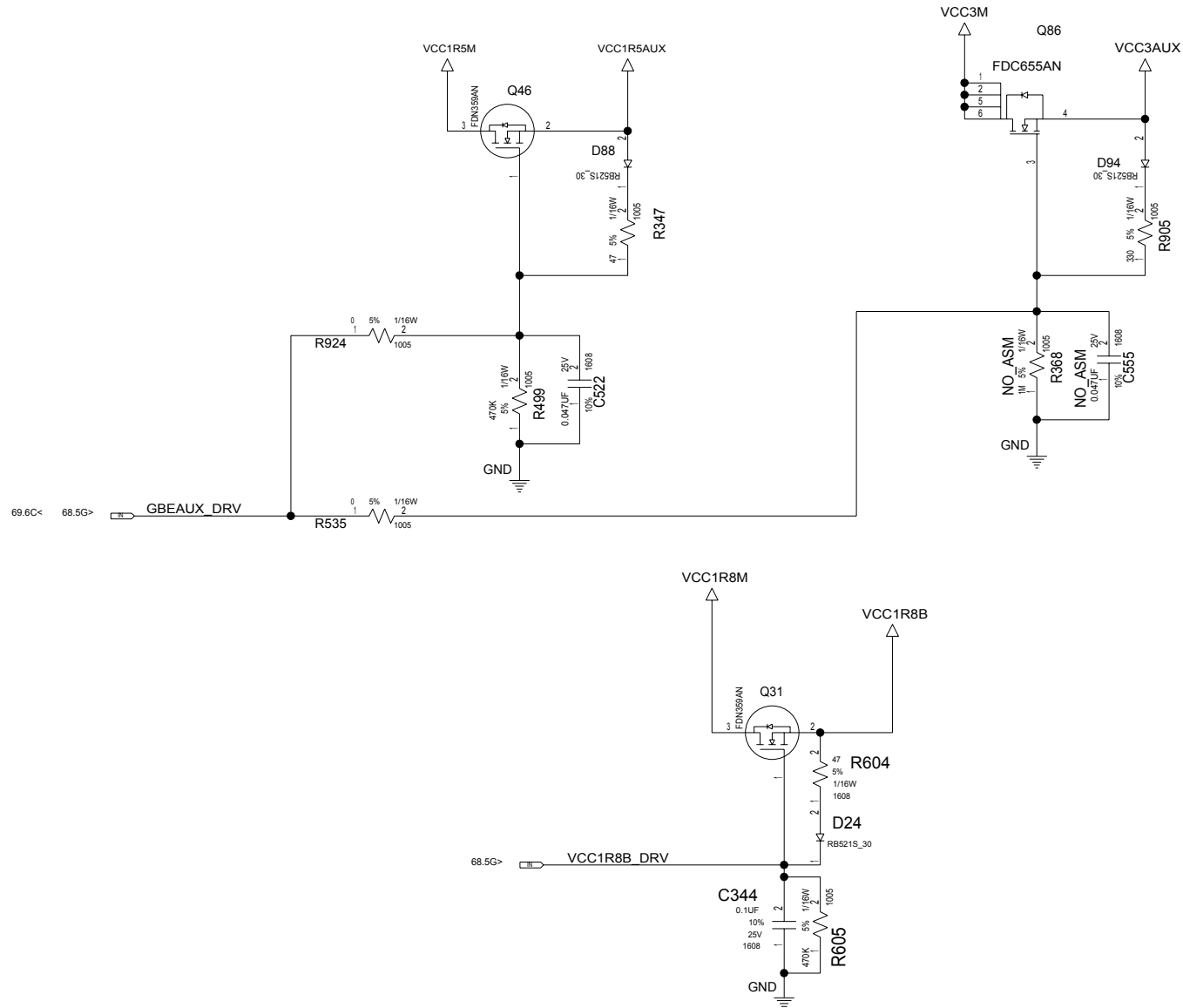
ETHERNET TABLE (5/5)

		KENNERETH-R	KENAI2-32
3.3V	R888	ASM	NO-ASM
1.2V	Q89	NO-ASM	ASM
	R874	NO-ASM	ASM
	R889	NO-ASM	NO-ASM
	C516	NO-ASM	NO-ASM
	R891	NO-ASM	ASM
	D92	NO-ASM	ASM
	U35	NO-ASM	ASM
	C243	NO-ASM	ASM
	C368	NO-ASM	ASM
	R330	NO-ASM	ASM
1.8V	R345	NO-ASM	ASM
	R878	NO-ASM	ASM
	C693	NO-ASM	ASM


LOGIC

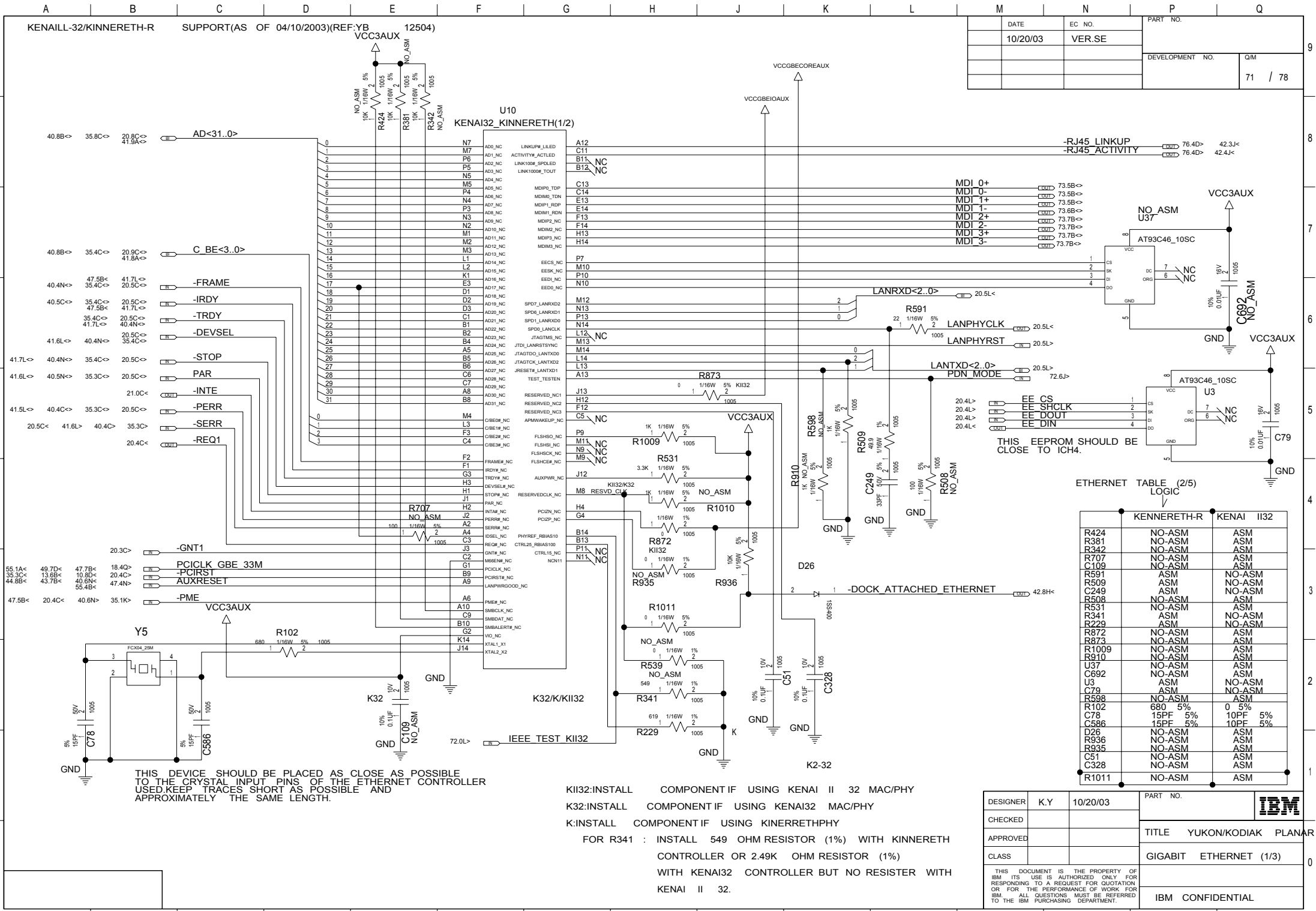


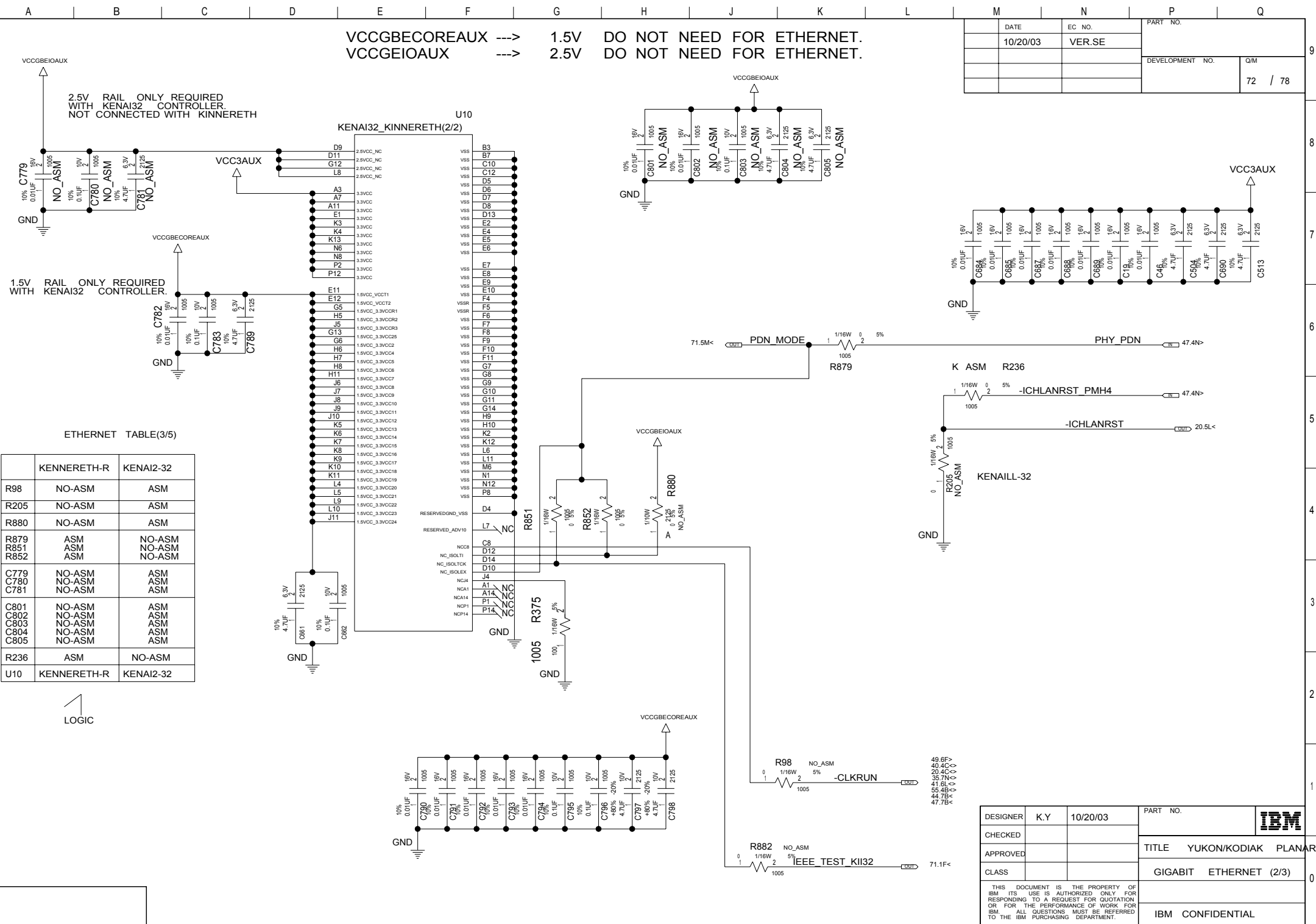
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APPROVED			TITLE	
CLASS			GBEIO / GBECORE	
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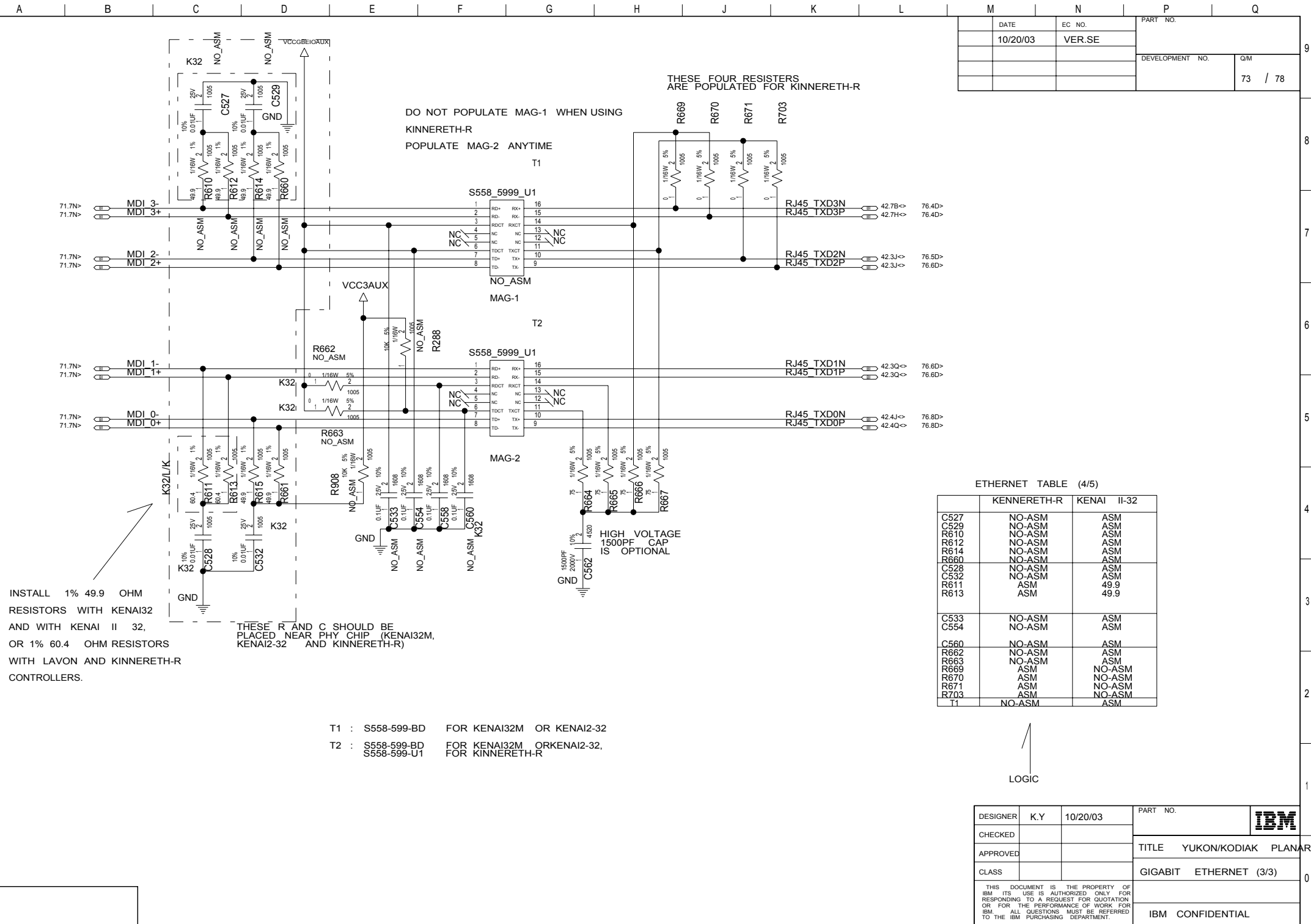
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10/20/03	VER.SE		
		DEVELOPMENT NO.	Q/M
			70 / 78

DESIGNER	K.Y	10/20/03	PART NO.	
CHECKED				
APPROVED			TITLE	YUKON/KODIAK PLANAR
CLASS			LOAD SW	0
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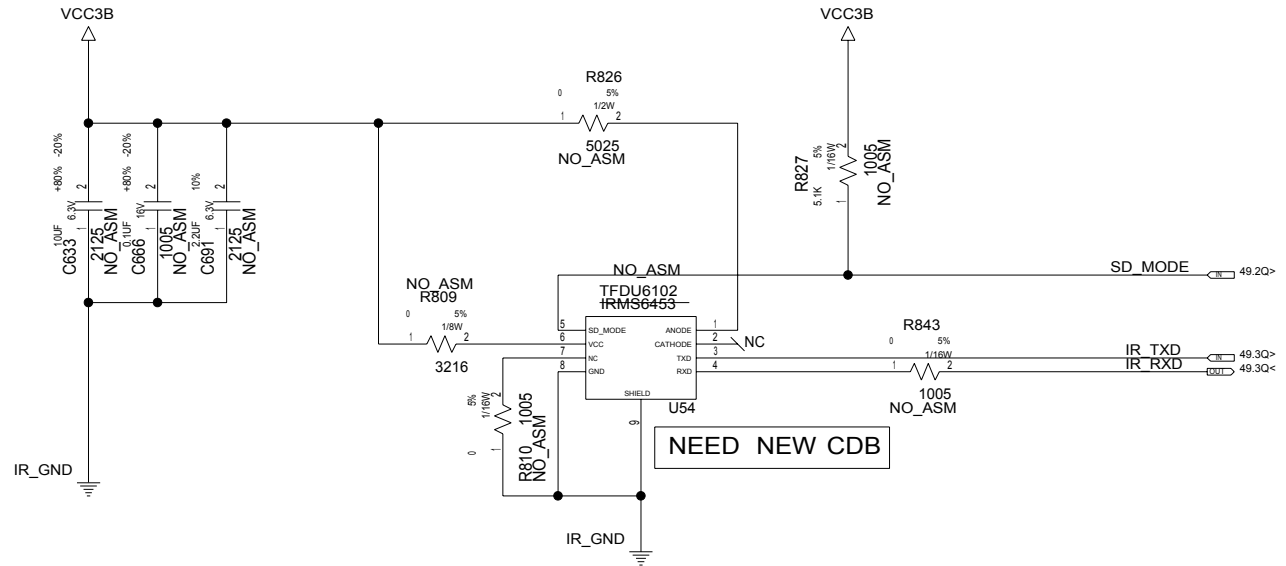
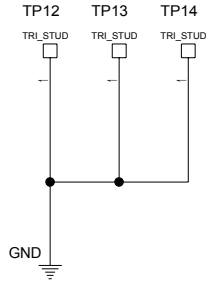




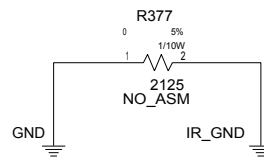




LARGE PTH HOLE



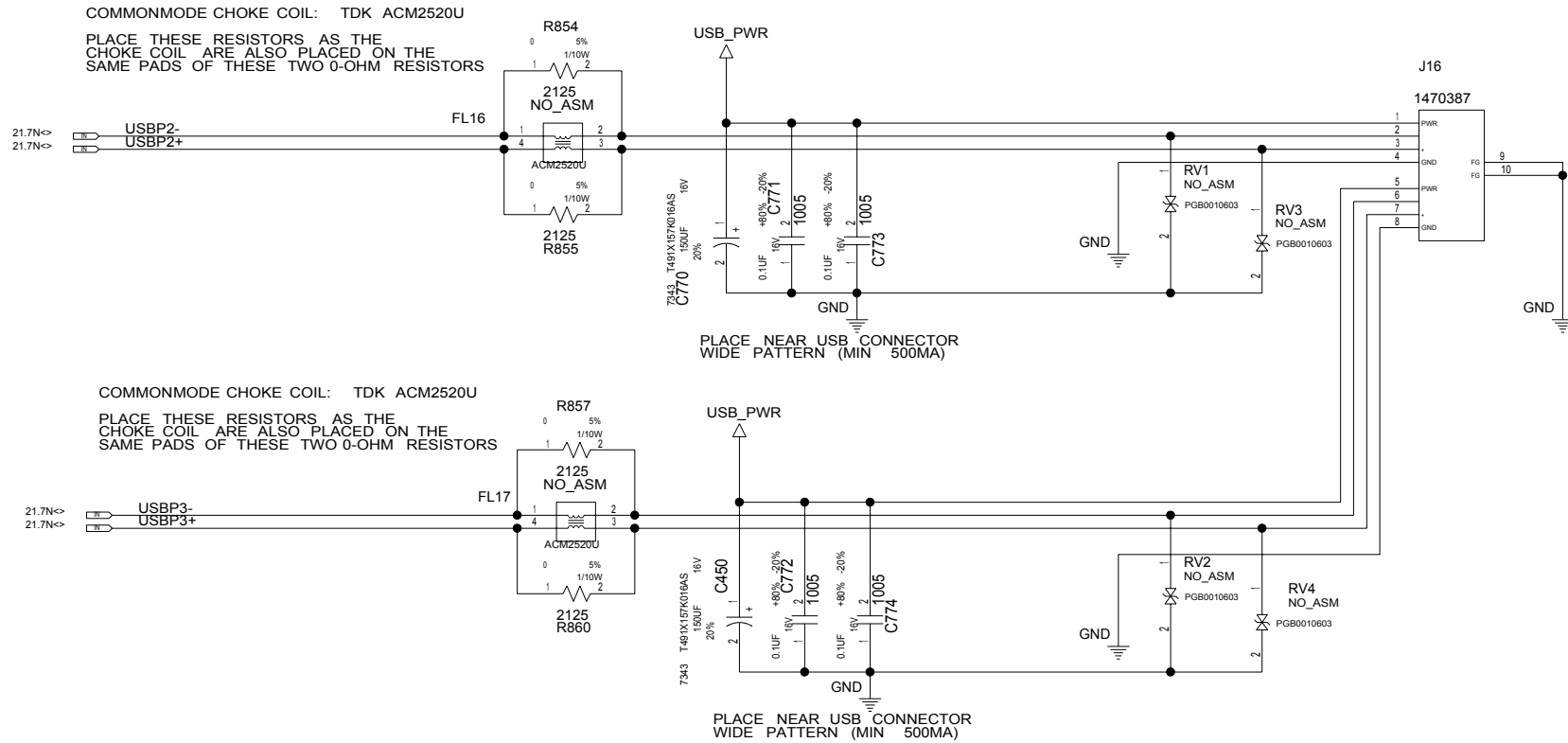
	KODIAK	YUKON
C633	NOASM	ASM
C666	NOASM	ASM
C691	NOASM	ASM
R377	NOASM	ASM
R809	NOASM	ASM
R826	NOASM	ASM
R827	NOASM	ASM
R843	NOASM	ASM
U54	NOASM	ASM



DATE	EC NO.	PART NO.	
10/20/03	VER.SE		
DEVELOPMENT NO.		Q/M	
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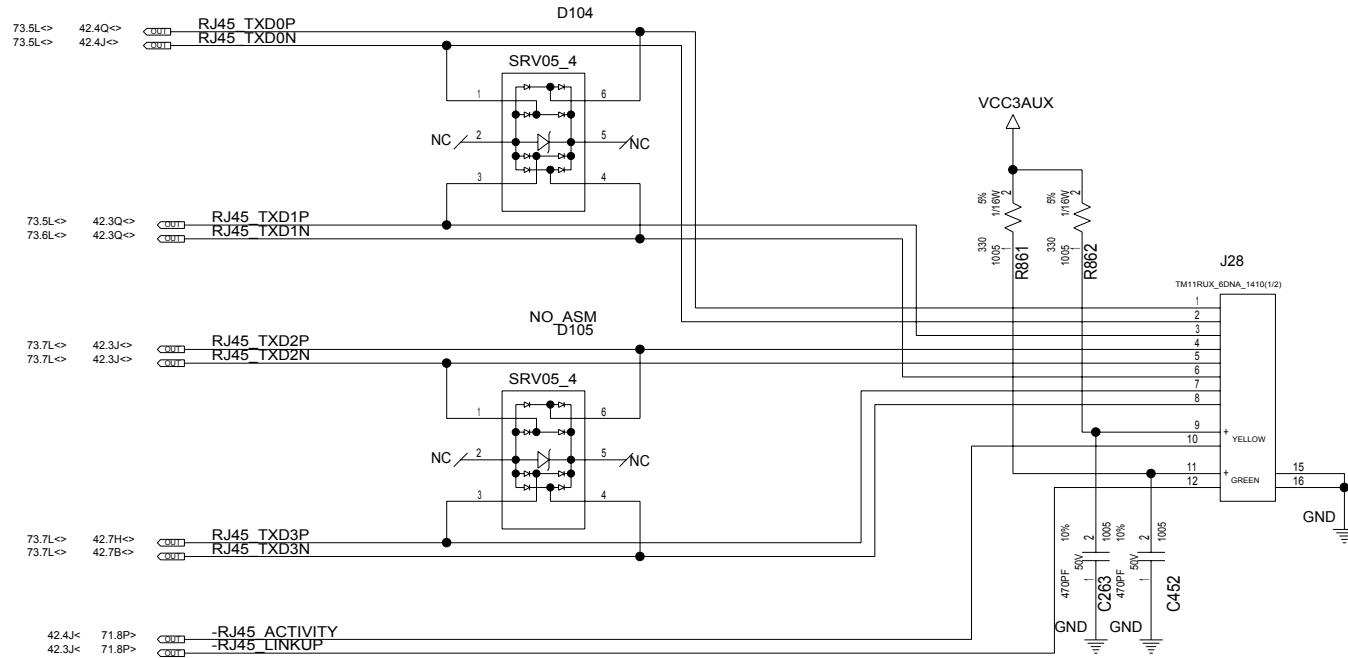
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CLASS			IR MODULE	0
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			DEVELOPMENT NO.	Q/M
				75 / 78

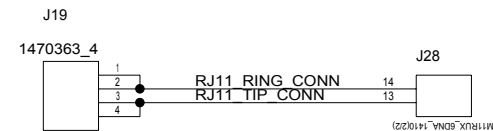


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APPROVED			TITLE YUKON/KODIAK PLANAR	
CLASS			USB CONNECTOR	
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10/20/03		VER.SE		
			DEVELOPMENT NO.	Q/M
				76 / 78

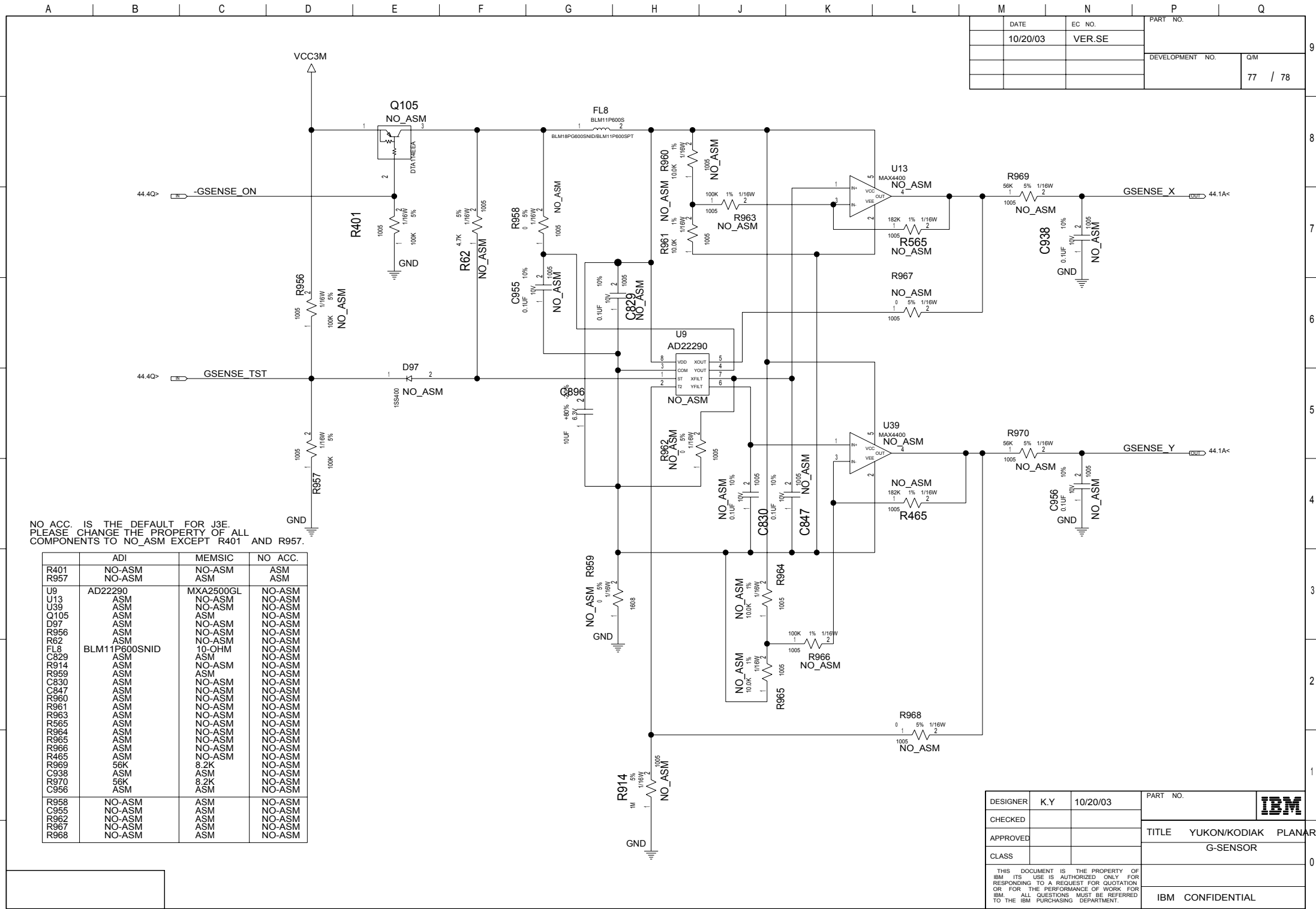


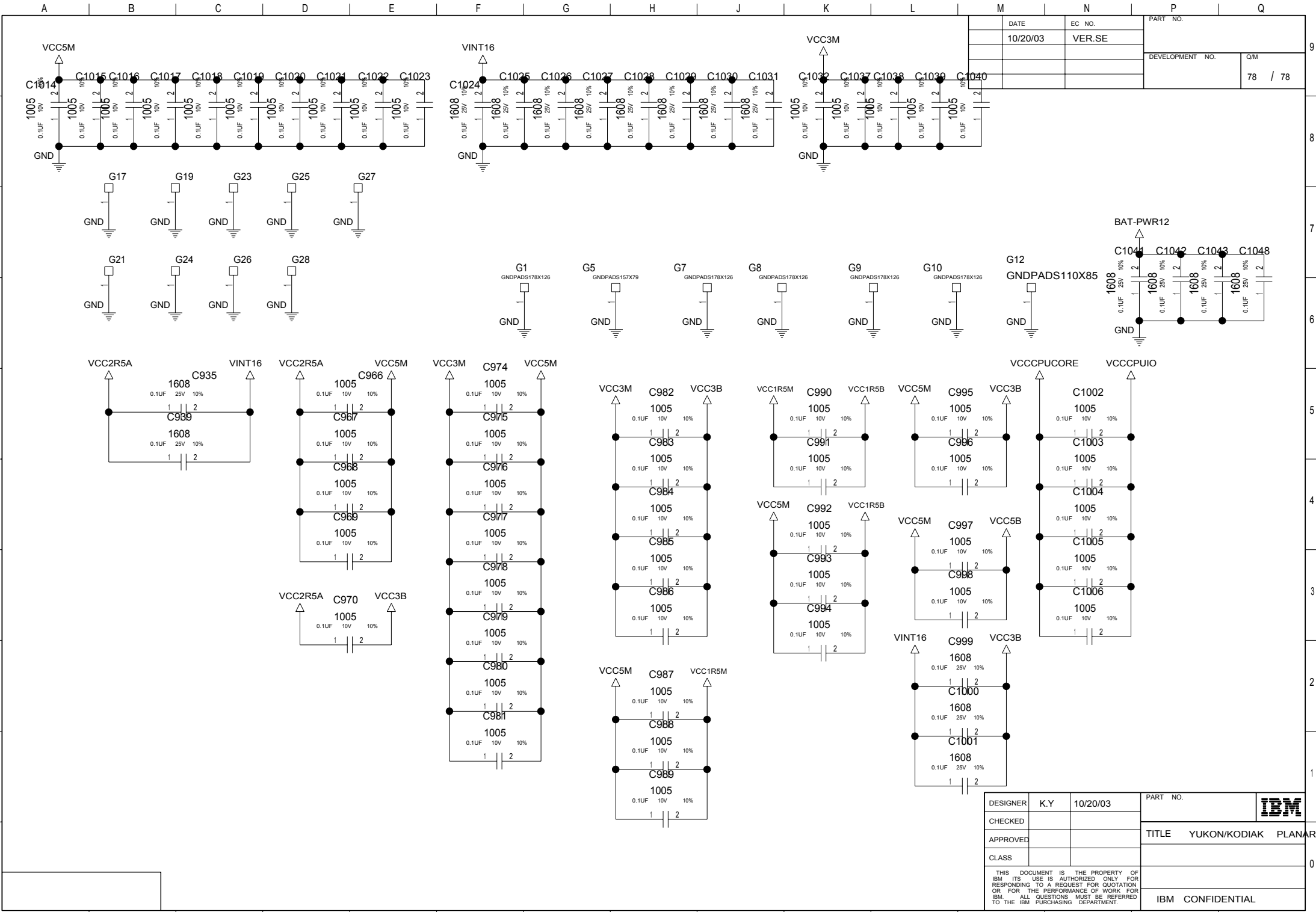
	KODIAK	YUKON
D105	NOASM	ASM



42.3G< RJ11 TIP DOCK  
42.3J< RJ11 RING DOCK

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