


	DATE	EC NO.	PART NO.
REL	NOV/17/04	J79027	39T0120
			DEVELOPMENT NO.
			Q/M
			1 /88

# ROME-4 PLANAR SVT

VER 0.90  
NOV/17/2004

- |                                      |   |
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39T0120

DESIGNER	Y.I	NOV/17/04	PART NO.	39T0120	
CHECKED	Y.Y	NOV/17/04			
APPROVED	T.S	NOV/17/04	TITLE ROME-4 SVT(V0.90)		
CLASS	T.S	NOV/17/04	TITLE PAGE		
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# EC HISTORY

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			DEVELOPMENT NO.
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## PRE-DV

VER.0.28 12/05/2003 RM4\_SDV\_EC\_108 , 111 TO 112  
 VER.0.29 12/08/2003 RM4\_SDV\_EC\_113 TO 116  
 VER.0.30 12/09/2003 RM4\_SDV\_EC\_117 TO 121  
 VER.0.31 12/16/2003 RM4\_SDV\_EC\_122 TO 125

PRE-DV GERBER RELEASED 12/17/2003

VER.0.32 01/07/2004 RM4\_SDV\_EC\_126 AND CHANGE R130 TO 150.

## SDV

VER.0.33 01/07/2004 RM4\_SDV\_EC\_127  
 VER.0.34 01/16/2004 RM4\_SDV\_EC\_128/129/130/131  
 VER.0.35 01/20/2004 RM4\_SDV\_EC\_133/135  
 VER.0.36 01/23/2004 RM4\_SDV\_EC\_137  
 VER.0.37 01/27/2004 RM4\_SDV\_EC\_138 TO 141  
 VER.0.38 02/03/2004 RM4\_SDV\_EC\_142--148  
 VER.0.39 02/04/2004 RM4\_SDV\_EC\_149/150/151/152  
 VER.0.40 02/06/2004 RM4\_SDV\_EC\_153/154/155/156/157  
 VER.0.41 02/12/2004 RM4\_SDV\_EC\_158/159/160/161/162  
 VER.0.42 02/16/2004 RM4\_SDV\_EC\_163

SDV GERBER RELEASED 02/17/2004

VER.0.43 02/18/2004 RM4\_SDV\_EC\_164/165/166

## SIV

VER.0.44 03/26/2004 RM4\_SIV\_EC\_001/002  
 VER.0.45 04/01/2004 RM4\_SIV\_EC\_003 TO 008 AND 012  
 VER.0.46 04/05/2004 RM4\_SIV\_EC\_09/10/14/19/20/21/22/23/24  
 VER.0.47 04/07/2004 CORRECT R872 TO NO-ASMRM AND J31 CRT CONN WIRING.  
 VER.0.48 04/08/2004 RM4\_SIV\_EC\_027/28/30/31/34/35  
 VER.0.49 04/11/2004 RM4\_SIV\_EC\_35 CORRECTION (R41->ASM) AND  
 AND ADD EZJ1V270GA X7 (ESD REASON).

SIV GERBER RELEASED 04/13/2004

VER.0.50 04/16/2004 RM4\_SIV\_EC\_32/33/36/37/38  
 AND CORRECT C1000 TO SYMBOL WITH POLARITY.

VER.0.51 04/20/2004 CORRECT R417 TO 0 , R522 TO 2M.  
 VER.0.52 04/21/2004 RM4\_SIV\_EC\_39/40/41  
 VER.0.53 04/22/2004 RM4\_SIV\_EC\_42/43  
 VER.0.54 04/23/2004 RM4\_SIV\_EC\_44

## PRE-SIT

VER.0.55 05/18/2004 RM4\_SIT\_EC\_01/02/03/04  
 VER.0.56 05/21/2004 RM4\_SIT\_EC\_05/07/09/13/14/15  
 VER.0.57 05/25/2004 RM4\_SIT\_EC\_16/17/18  
 VER.0.58 05/26/2004 RM4\_SIT\_EC\_ LINKUP/ACTIVITY CHNAGE  
 VER.0.59 06/01/2004 RM4\_SIT\_EC\_19  
 VER.0.60 06/02/2004 RM4\_SIT\_EC\_20/21/23/24/25  
 VER.0.61 06/03/2004 RM4\_SIT\_EC\_26  
 VER.0.62 06/04/2004 RM4\_SIT\_EC\_27/28/29

## PRE-SIT (CONTINUE)

VER.0.63 06/07/2004 RM4\_SIT\_EC\_23/27 CORRECTION/30  
 VER.0.64 06/11/2004 RM4\_SIT\_EC\_32

PRE-SIT GERBER RELEASED ON 06/16/2004

VER.0.65 06/21/2004 RM4\_SIT\_EC\_34  
 VER.0.66 06/30/2004 RM4\_SIT\_EC\_35 (R919 -> NO-ASM, R920->ASM)  
 VER.0.67 07/07/2004 RM4\_SIT\_EC\_36 CHNAGED 12 PARTS  
 VER.0.68 07/20/2004 RM4\_SIT\_EC\_37/38/39/40

## SIT

VER.0.69 07/28/2004 RM4\_SITA\_EC\_02/03/06  
 VER.0.70 07/29/2004 RM4\_SITA\_EC\_07/08  
 VER.0.71 08/03/2004 RM4\_SITA\_EC\_09/10/11  
 VER.0.72 08/06/2004 RM4\_SITA\_EC\_12/13/14/15  
 VER.0.73 08/16/2004 RM4\_SITA\_EC\_16/17/18  
 VER.0.74 08/17/2004 RM4\_SITA\_EC\_19/20/21/22  
 VER.0.75 08/18/2004 RM4\_SITA\_EC\_23  
 VER.0.76 08/20/2004 RM4\_SITA\_EC\_26  
 VER.0.77 08/23/2004 RM4\_SITA\_EC\_27

SIT GERBER RELEASED 08/24/2004.

VER.0.78 08/30/2004 P51 TABLE CORRECTION  
 VER.0.79 09/01/2004 RM4\_SITA\_EC\_28  
 VER.0.80 09/10/2004 RM4\_SITA\_EC\_29/30

## SIT-R

VER.0.81 10/05/2004 RM4\_SITR\_EC\_01/02  
 VER.0.82 10/08/2004 RM4\_SITR\_EC\_03/04  
 VER.0.83 10/19/2004 RM4\_SITR\_EC\_05/06  
 VER.0.84 10/22/2004 RM4\_SITR\_EC\_07/08/10/11  
 VER.0.85 10/25/2004 RM4\_SITR\_EC\_12  
 SIT-R GERBER WAS RELEASED 10/28/2004.  
 VER.0.86 10/29/2004 RM4\_SITR\_EC\_13  
 VER.0.87 11/04/2004 RM4\_SITR\_EC\_15  
 VER.0.88 11/08/2004 RM4\_SITR\_EC\_16/17

## SVT

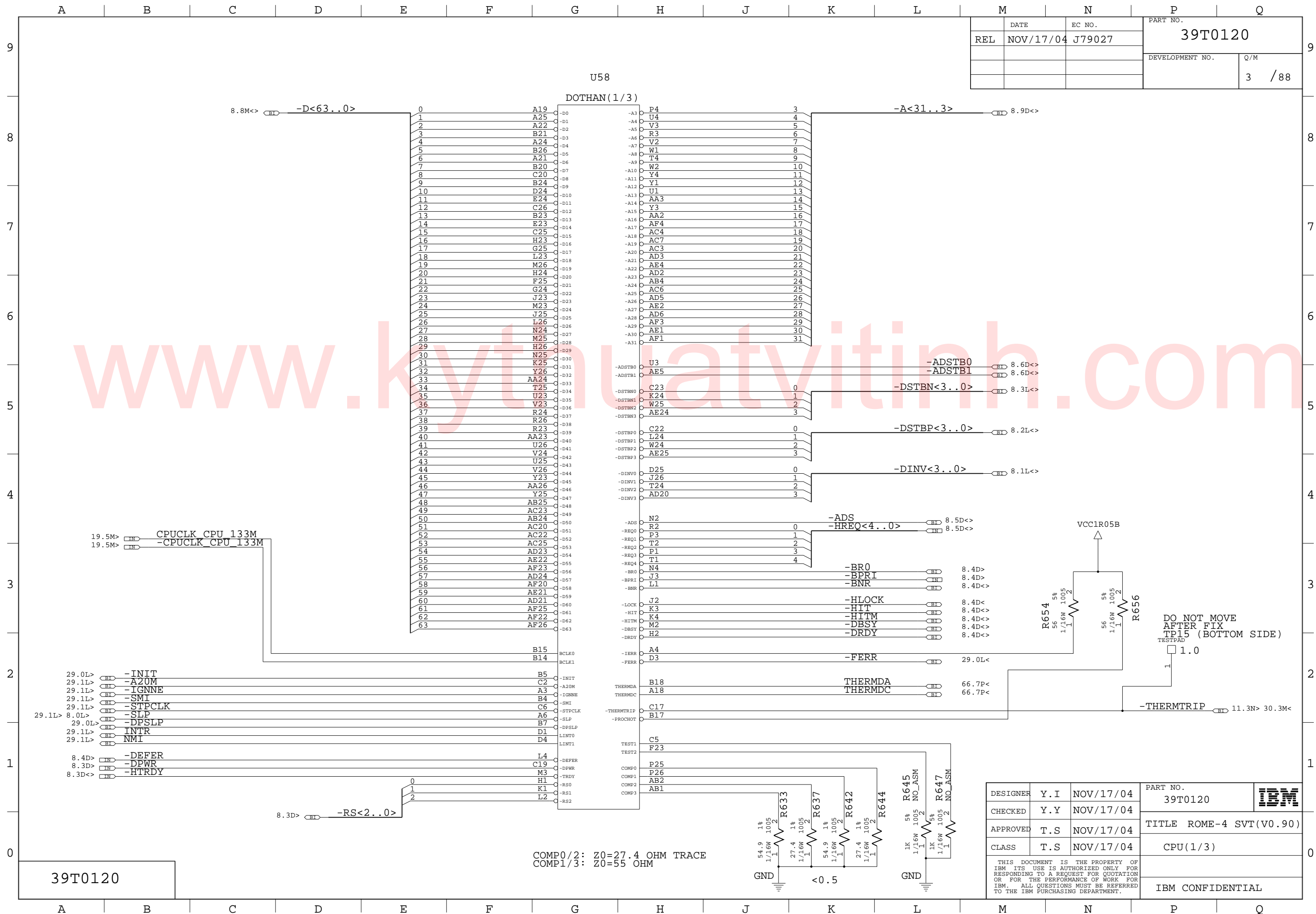
VER.0.89 11/09/2004 RM4\_SVT\_EC\_01/02/03

SVT GERBER WAS RELEASED 11/12/2004.

VER.0.90 11/15/2004 RM4\_SVT\_EC\_04/05  
 VER.0.90 11/17/2004 ASSIGNED DWG PN=39T0120.

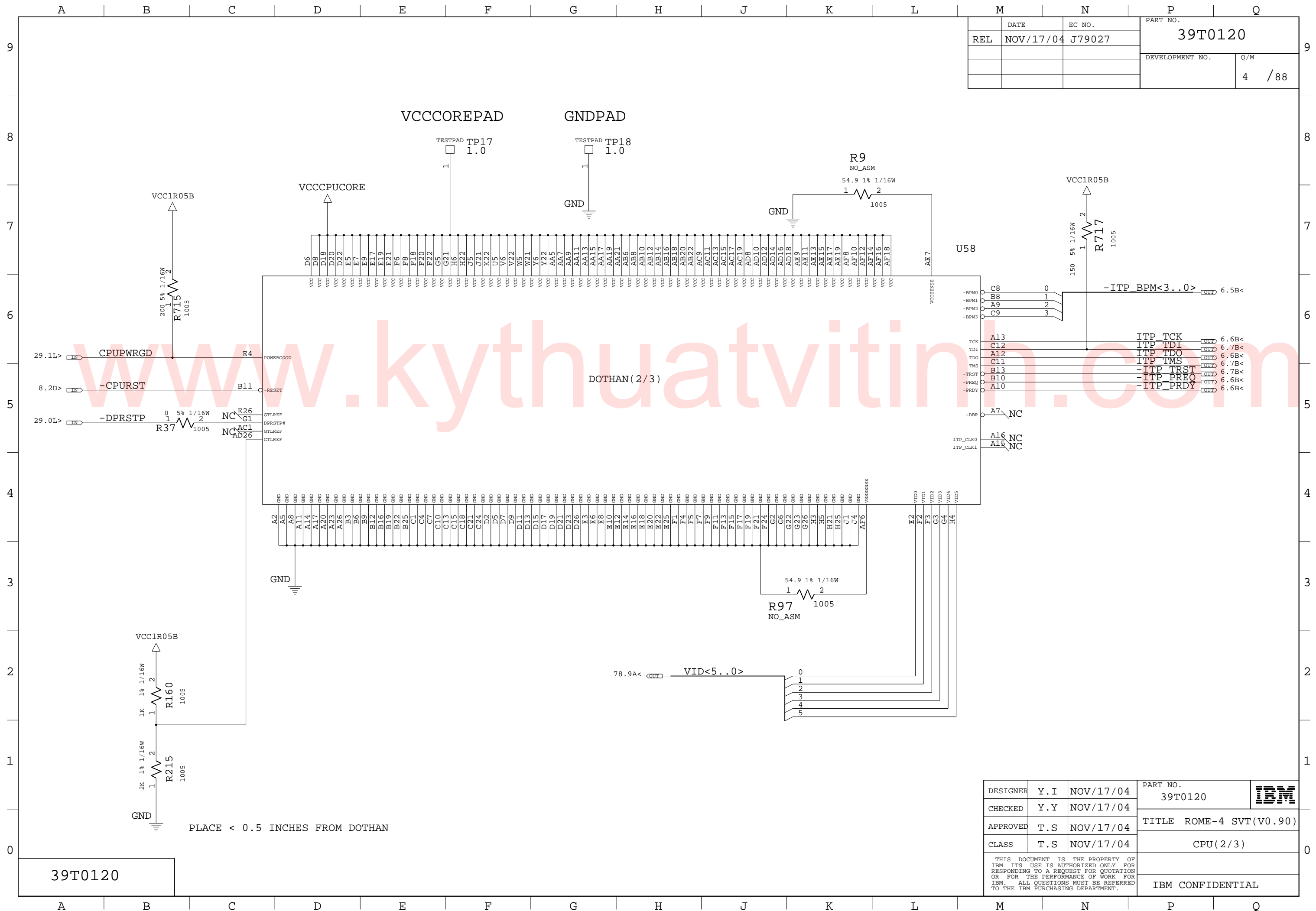
39T0120

DESIGNER	Y.I	NOV/17/04	PART NO.	IBM
CHECKED	Y.Y	NOV/17/04	39T0120	
APPROVED	T.S	NOV/17/04	TITLE ROME-4 SVT(V0.90)	
CLASS	T.S	NOV/17/04	HISTORY	
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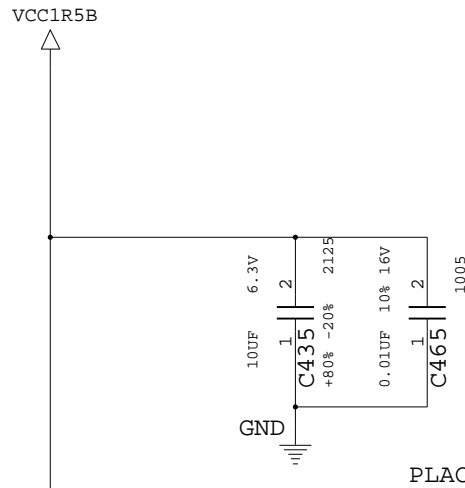
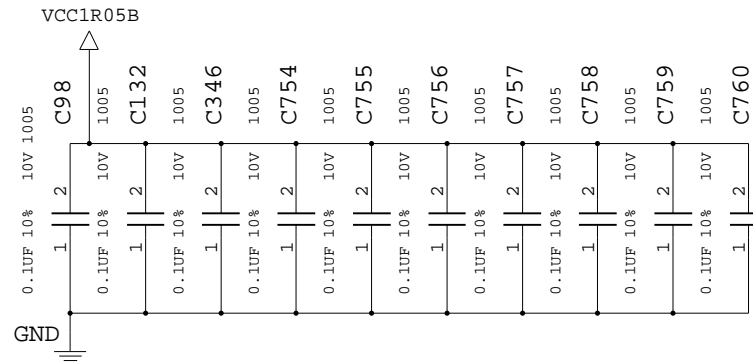
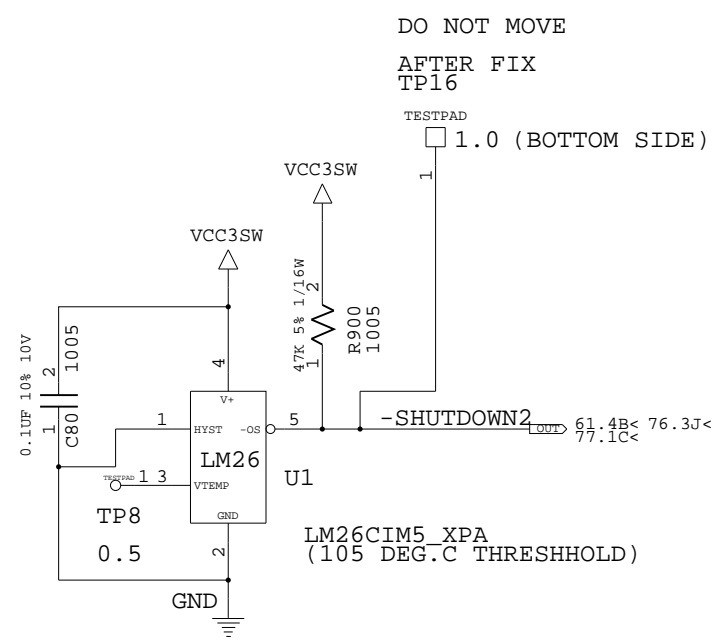


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	NOV/17/04	J79027	39T0120
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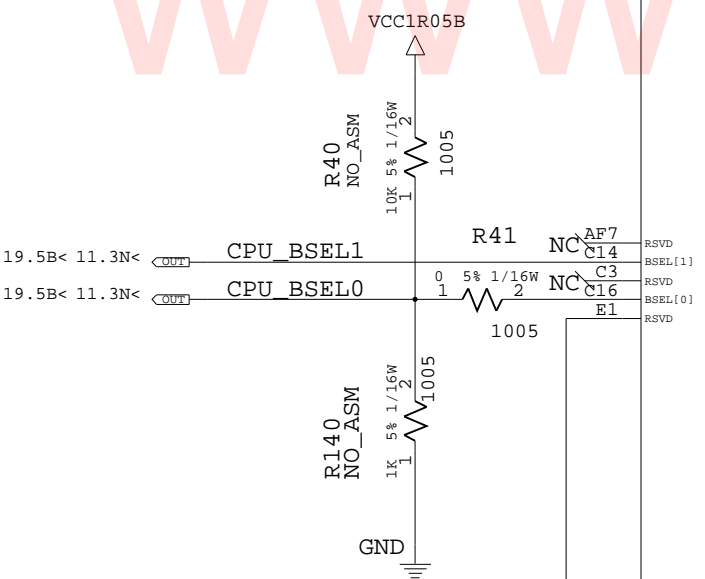
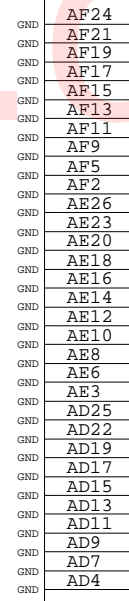
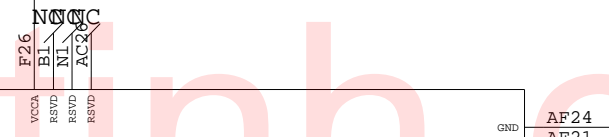
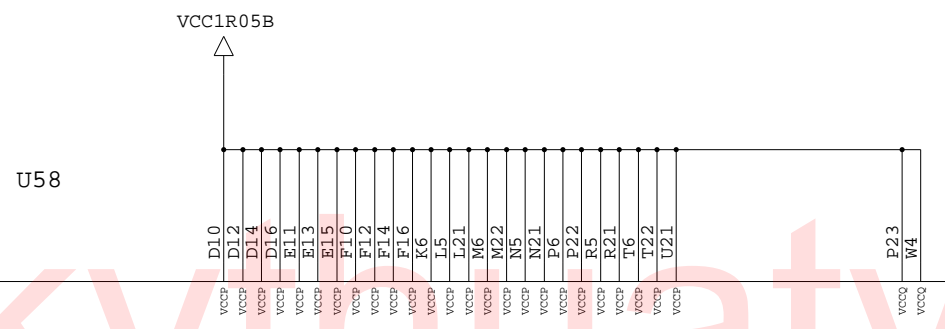
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CHECKED	Y.Y	NOV/17/04			
APPROVED	T.S	NOV/17/04	TITLE ROME-4 SVT(V0.90)		
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PLACE ONE 10UF AND 0.01UF NEAR VCCA PIN.



DO THAN (3/3)

	A-STEP		B-STEP	
FSB	533	400	533	400
BSEL1	0	0	0	0
BSEL0	1	0	0	1

	NO_ASM		ASM
R41	NO_ASM	NO_ASM	NO_ASM
R40	ASM	NO_ASM	NO_ASM
R140	NO_ASM	ASM	NO_ASM

PREDRV SIV LOGIC

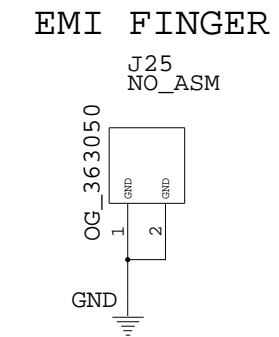
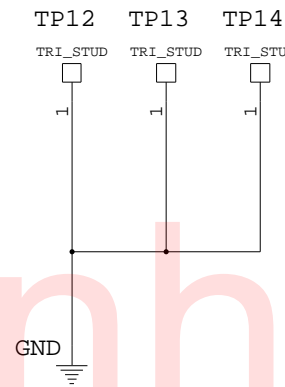
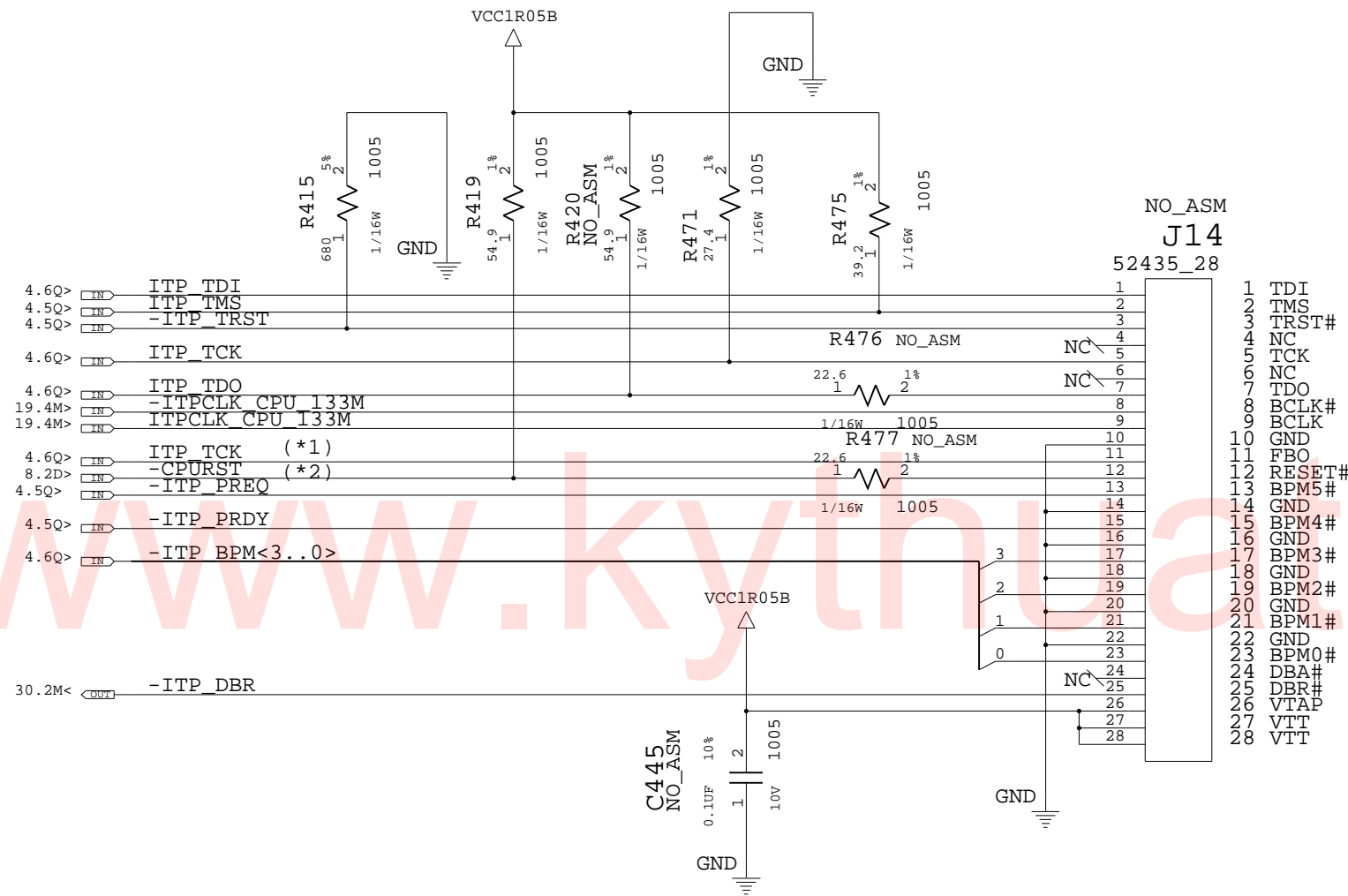
39T0120

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CHECKED	Y.Y	NOV/17/04	TITLE	ROME-4 SVT(V0.90)	
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LARGE PTH HOLE

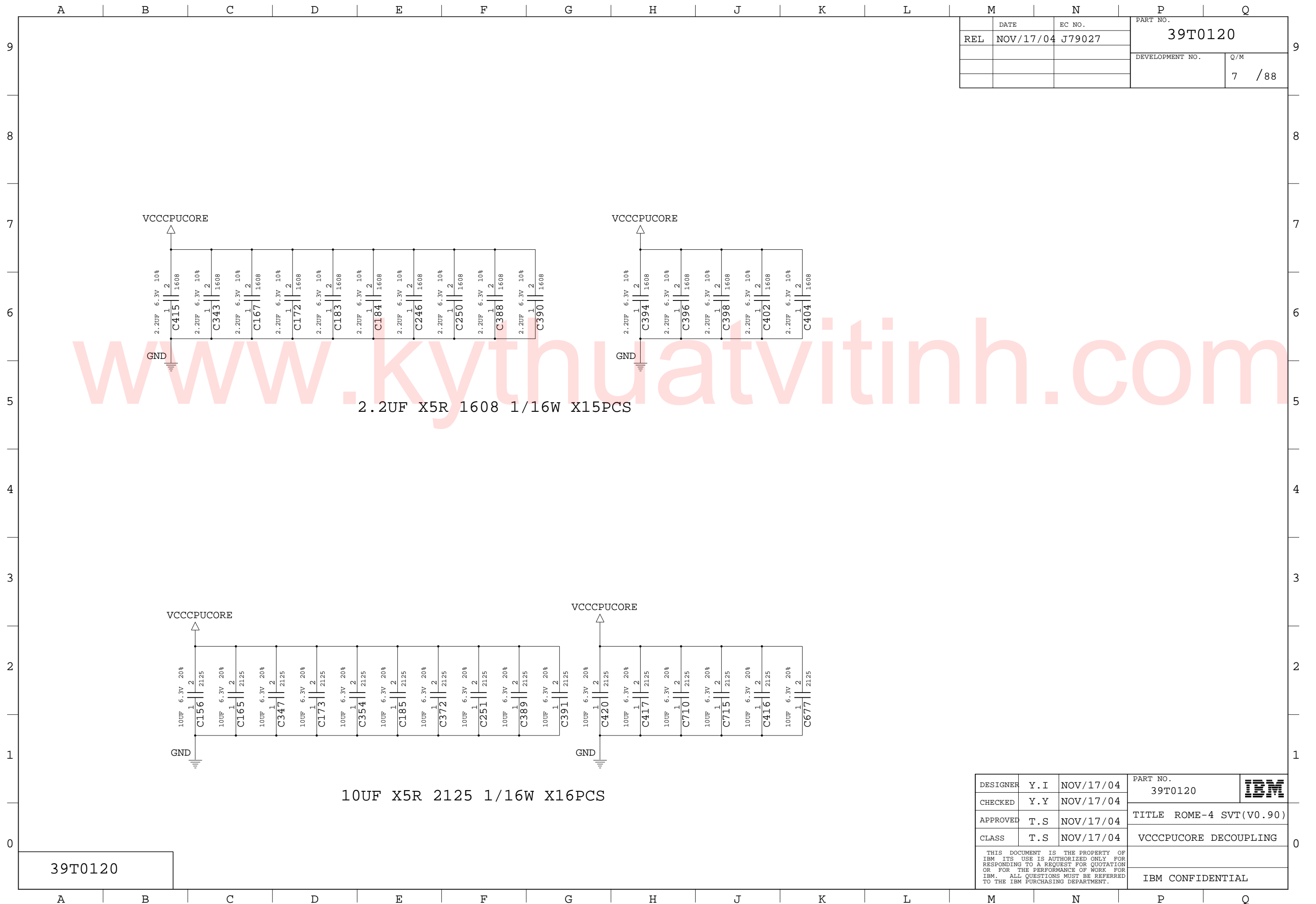


(\*1) TCK SIGNAL IS BRANCHED AT DOTHAN PIN

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

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CLASS	T.S	NOV/17/04	ITP CONN/LARGE PTH HOLE		
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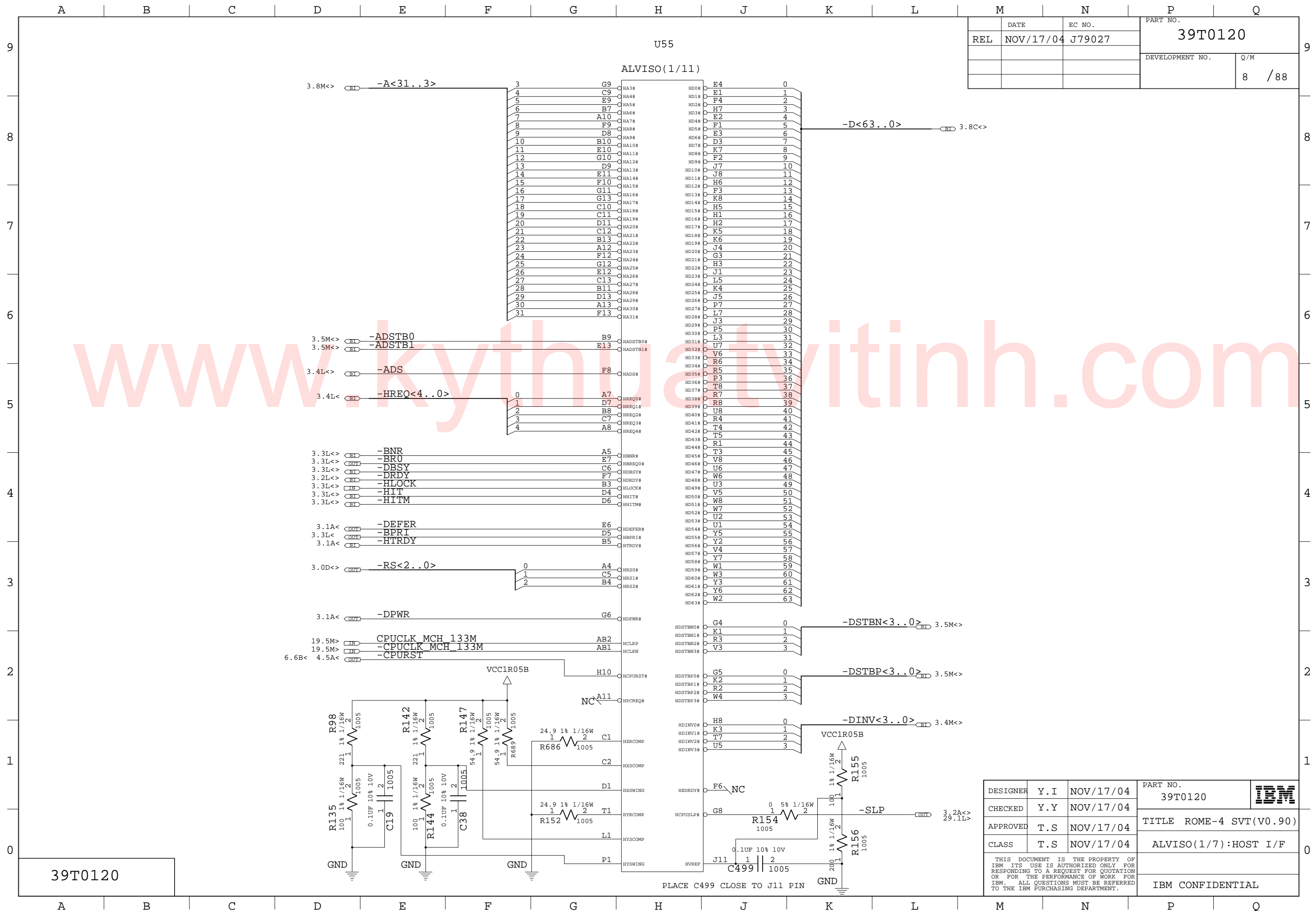
2.2UF X5R 1608 1/16W X15PCS

10UF X5R 2125 1/16W X16PCS

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CHECKED	Y.Y	NOV/17/04			
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CLASS	T.S	NOV/17/04	VCCCPUCORE DECOUPLING		
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CLASS	T.S	NOV/17/04		ALVISO(1/7):HOST I/F
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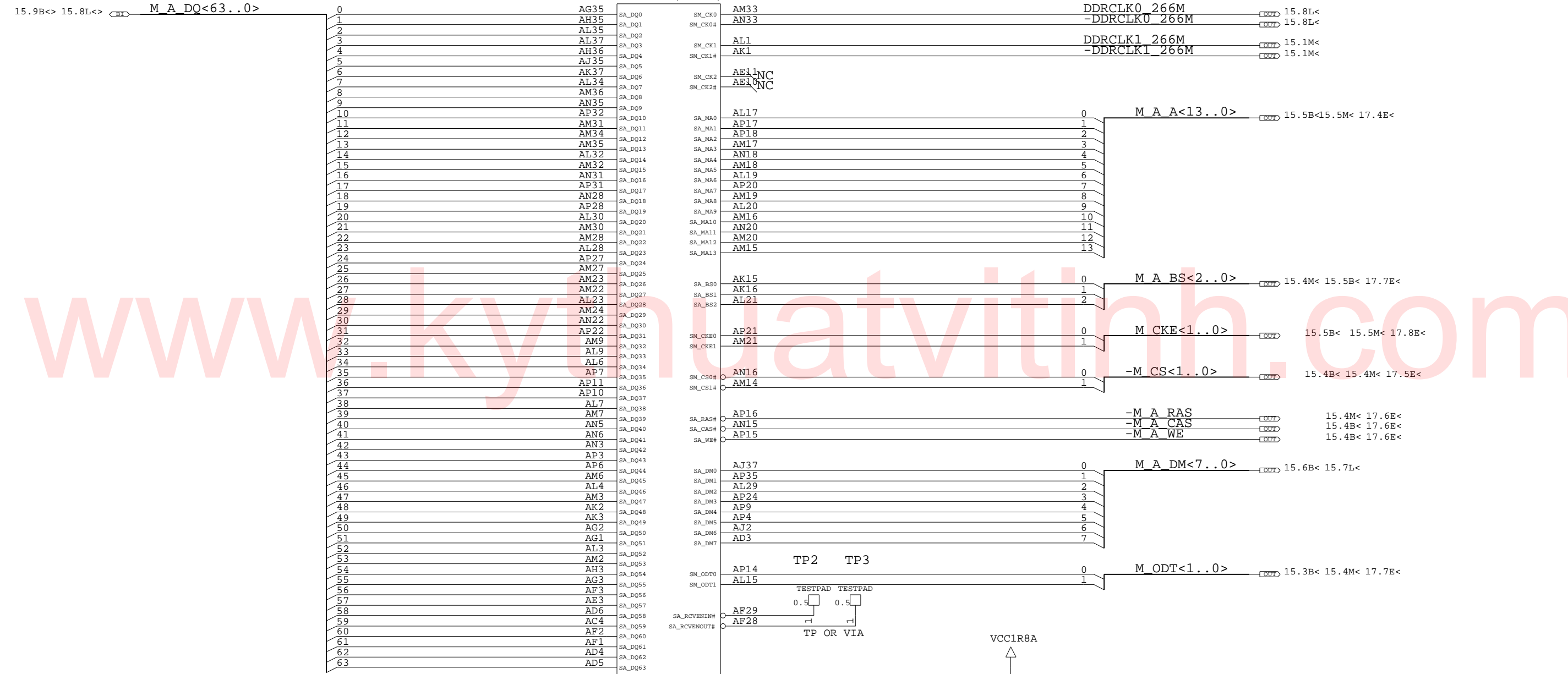
PLACE C499 CLOSE TO J11 PIN



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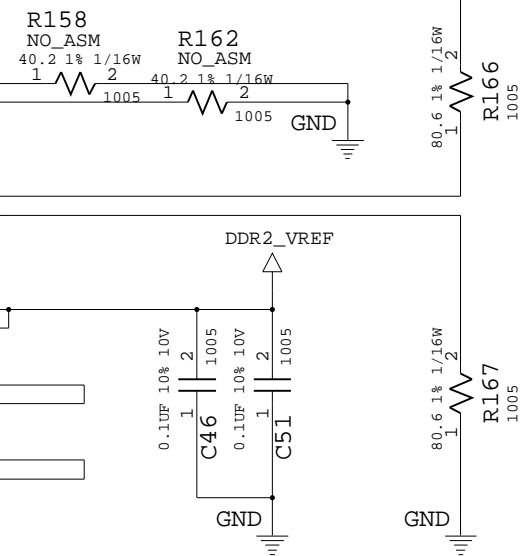
U55

ALVISO (2/11)



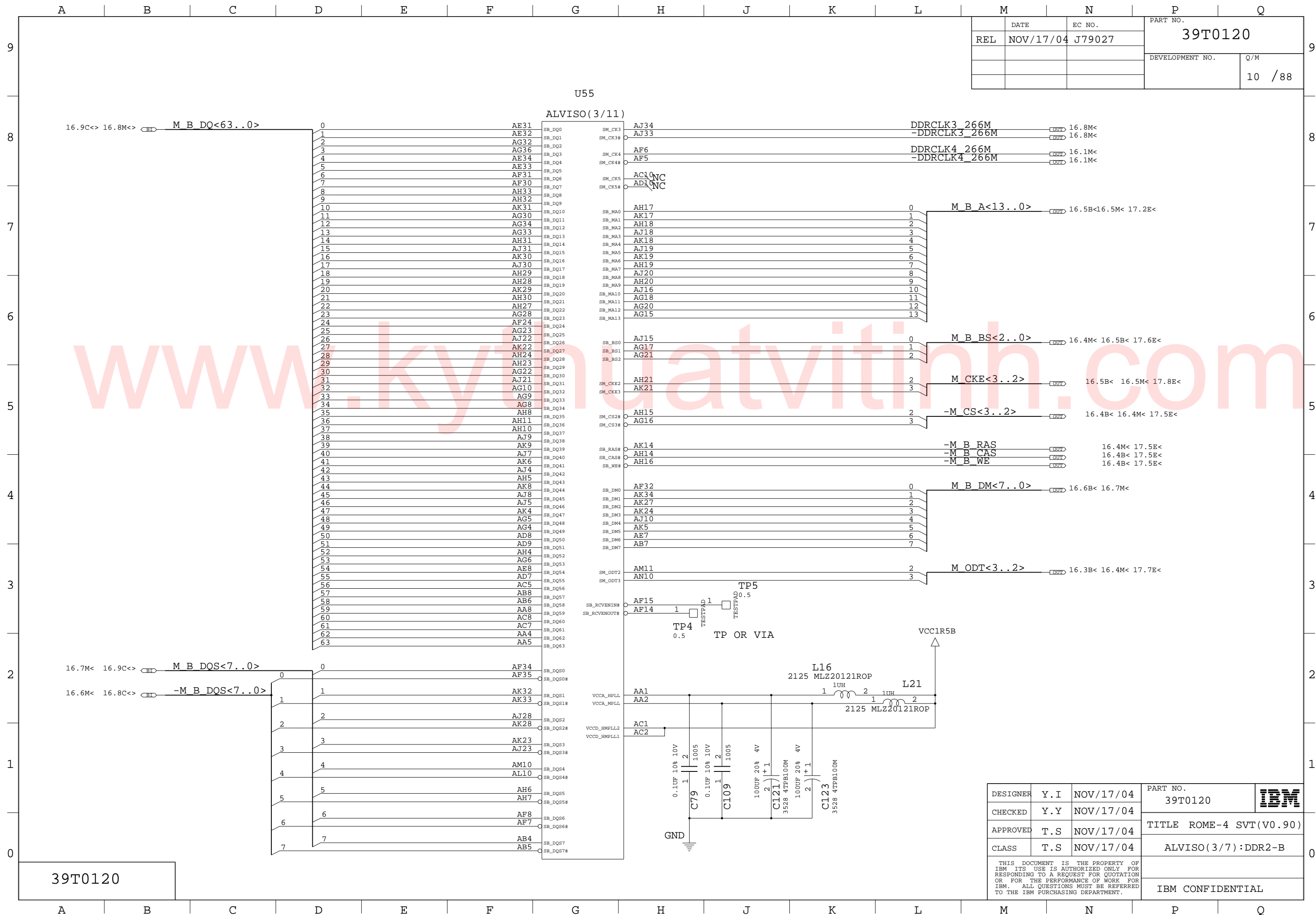
15.7M< 15.9B<> M\_A DQS<7..0>

15.6M< 15.8B<> -M\_A DQS<7..0>



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APPROVED	T.S	NOV/17/04	CLASS	ALVISO(2/7):DDR2-A	
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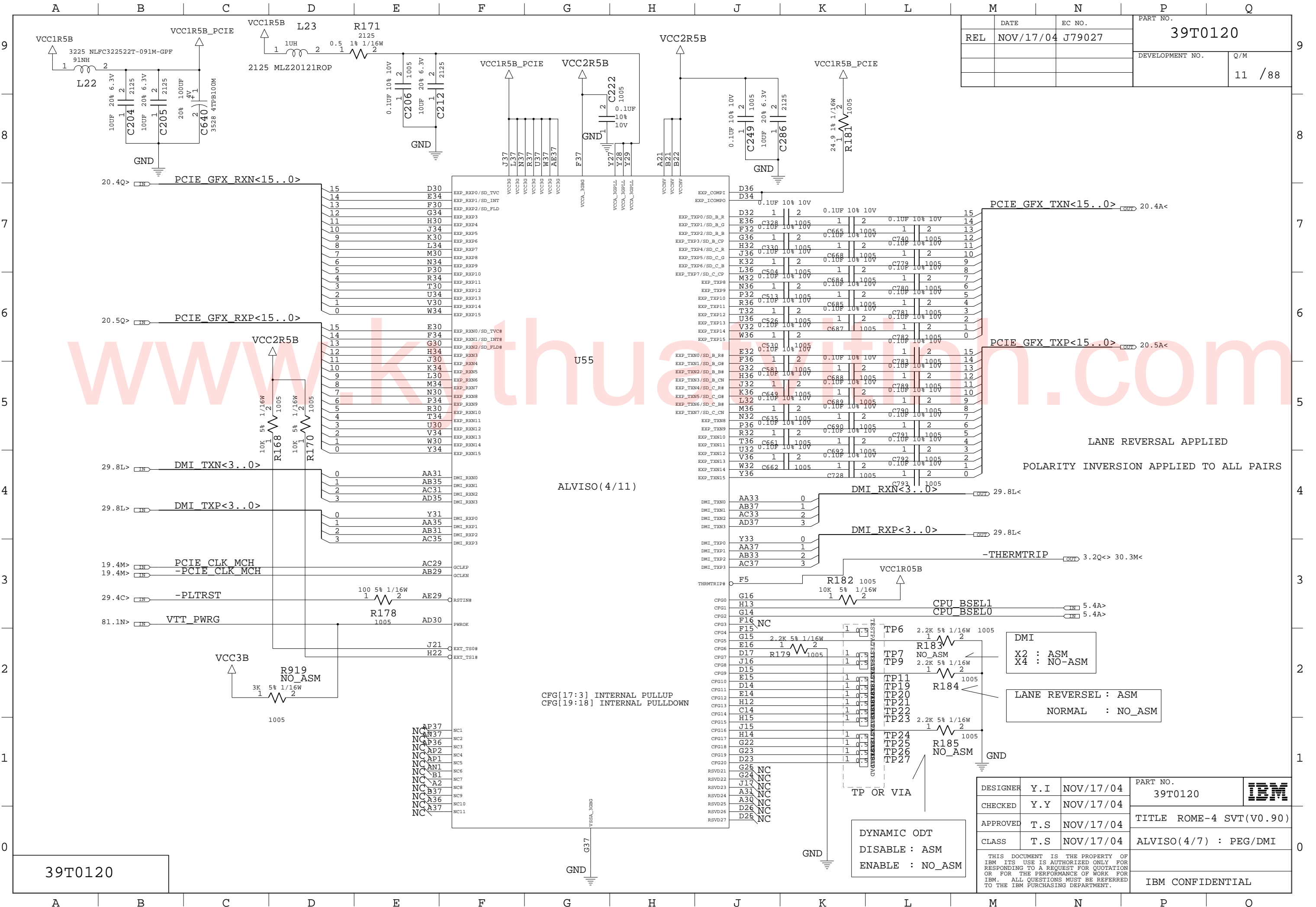


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APPROVED	T.S	NOV/17/04	CLASS	ALVISO(3/7):DDR2-B	
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PCIE GFX RXN<15..0> 20.4A<

PCIE GFX TXP<15..0> 20.5A<

LANE REVERSAL APPLIED  
POLARITY INVERSION APPLIED TO ALL PAIRS

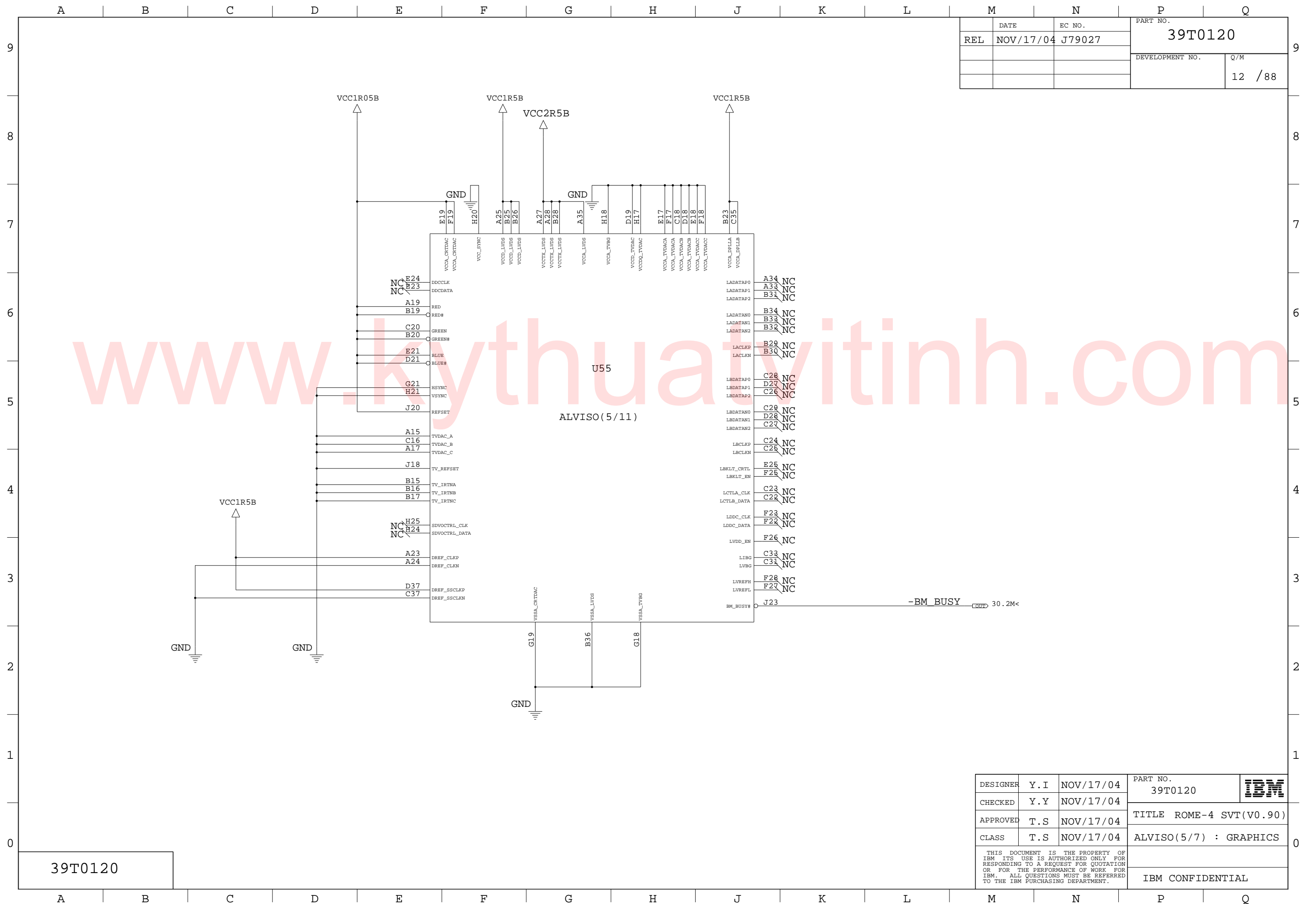
DMI  
X2 : ASM  
X4 : NO-ASM

LANE REVERSEL : ASM  
NORMAL : NO\_ASM

DYNAMIC ODT  
DISABLE : ASM  
ENABLE : NO\_ASM

DESIGNER	Y.I	NOV/17/04	PART NO.	39T0120	IBM
CHECKED	Y.Y	NOV/17/04	TITLE		
APPROVED	T.S	NOV/17/04	ALVISO(4/7) : PEG/DMI		
CLASS	T.S	NOV/17/04	THIS DOCUMENT IS THE PROPERTY OF IBM ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR IBM. ALL QUESTIONS MUST BE REFERRED TO THE IBM PURCHASING DEPARTMENT.		
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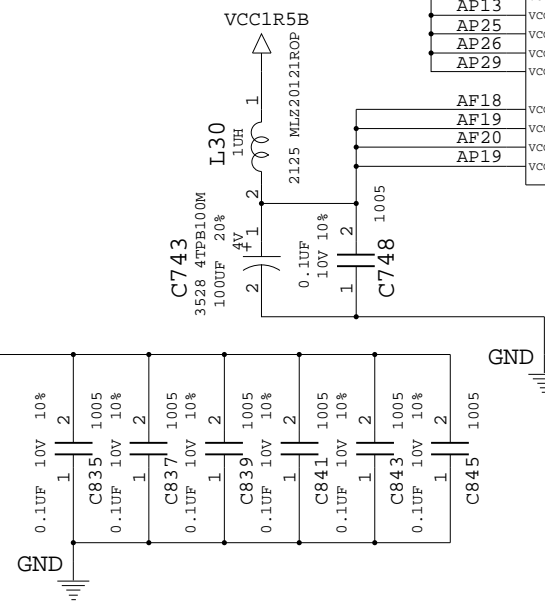
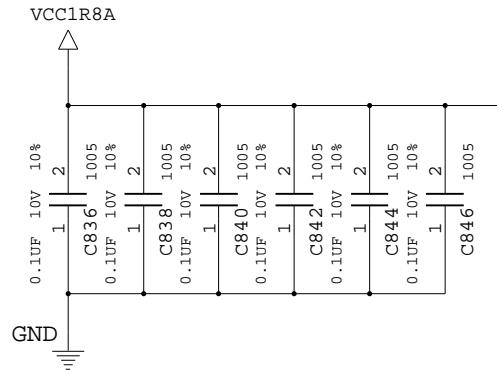
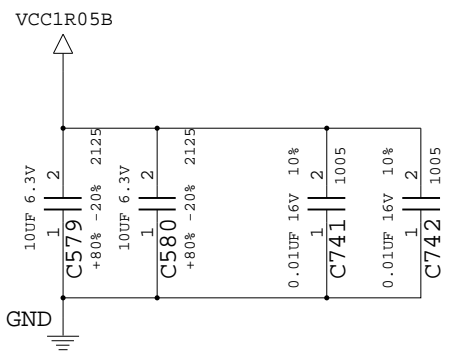
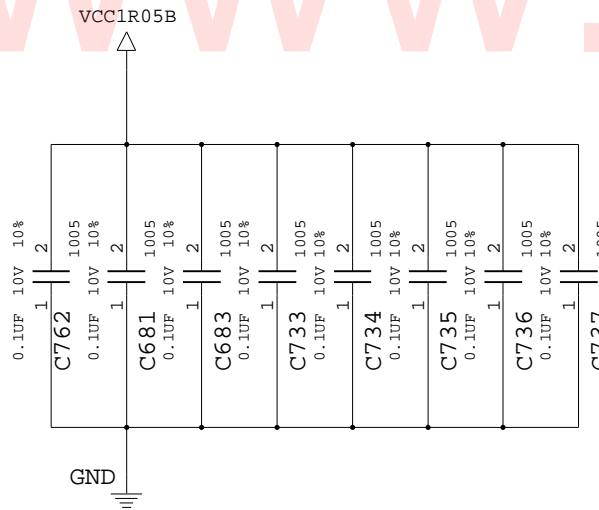
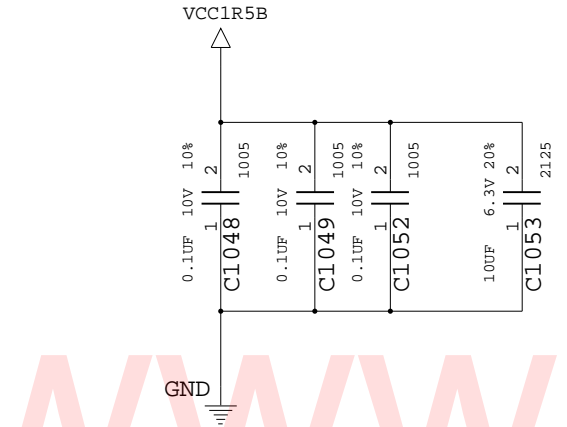
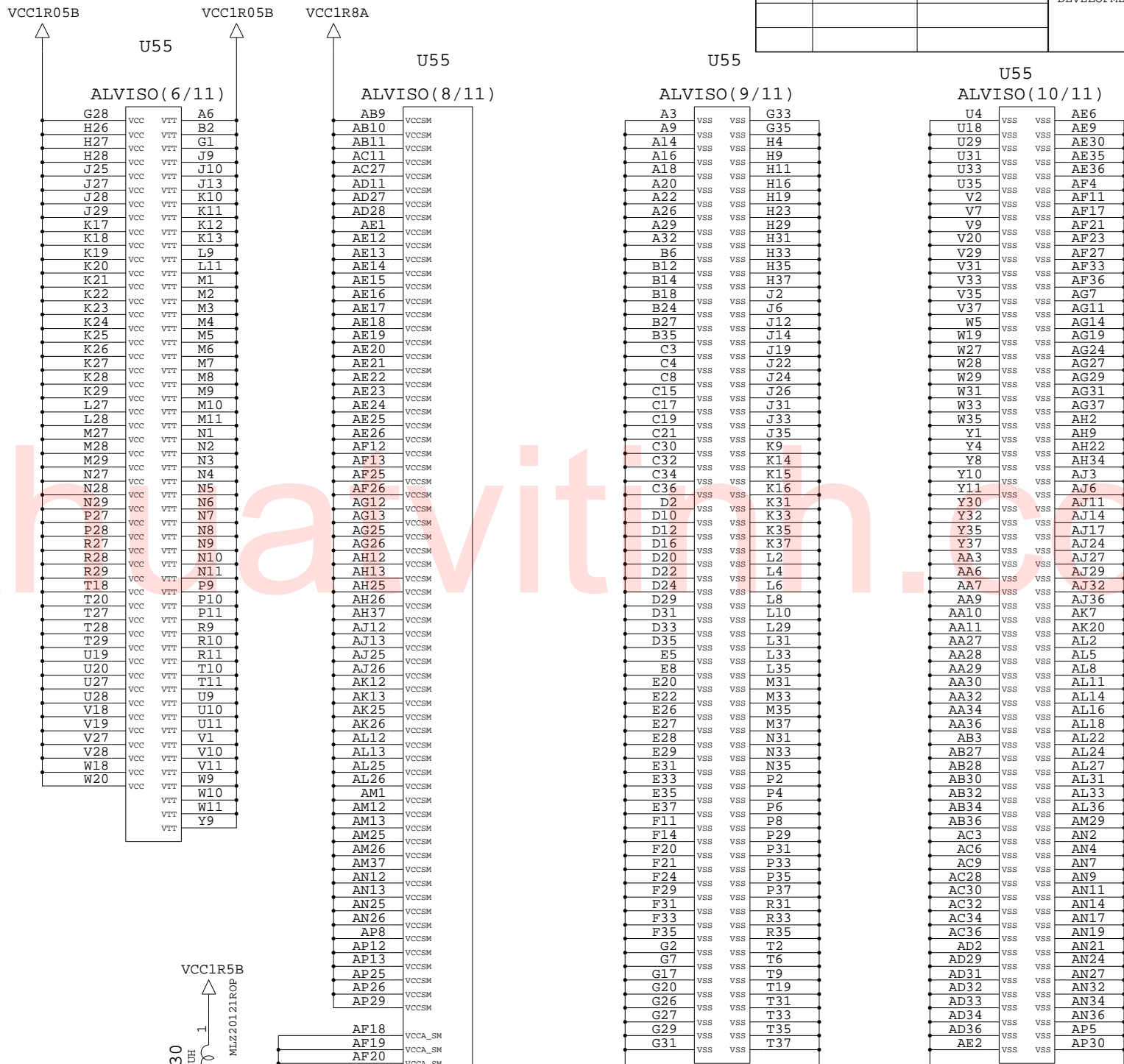


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REL	NOV/17/04	J79027	39T0120	
			DEVELOPMENT NO.	Q/M
				12 / 88

39T0120

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APPROVED	T. S	NOV/17/04	CLASS	ALVISO(5/7) : GRAPHICS	
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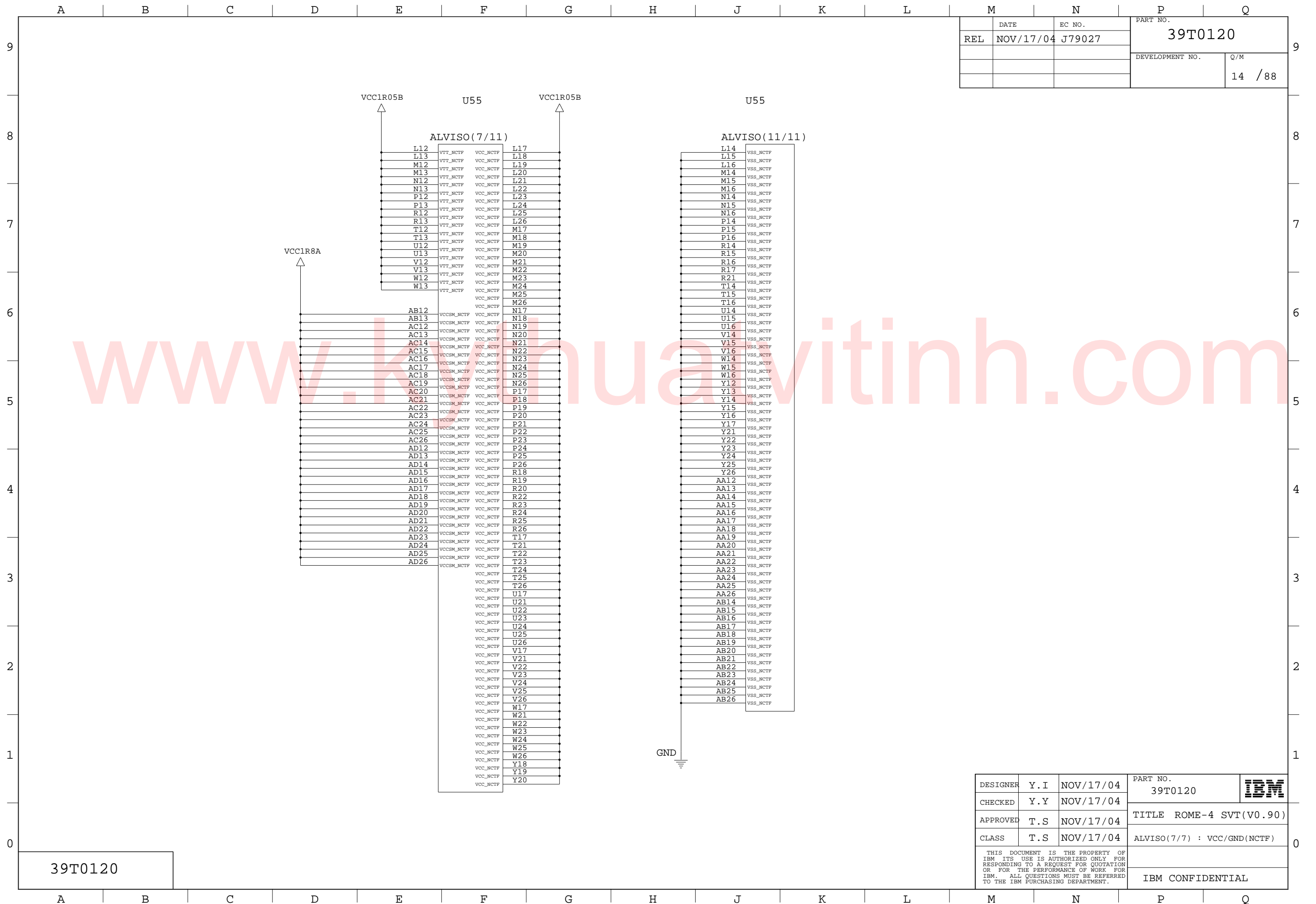
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	NOV/17/04	J79027	39T0120
			DEVELOPMENT NO.
			Q/M
			13 / 88



PLACE NEAR VCCGA AND VCCHA.  
39T0120

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CHECKED	Y.Y	NOV/17/04			
APPROVED	T.S	NOV/17/04	TITLE ROME-4 SVT(V0.90)		
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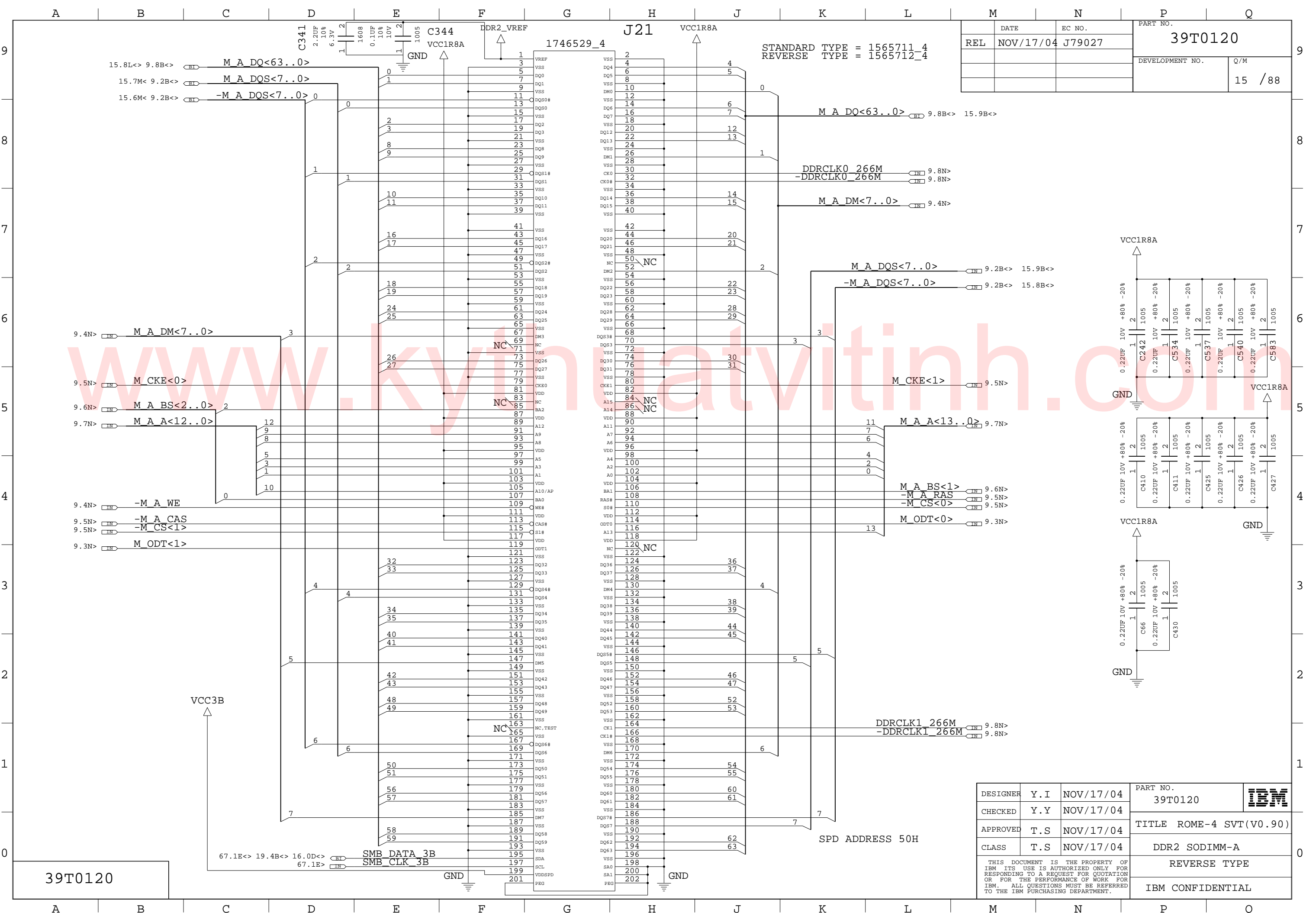
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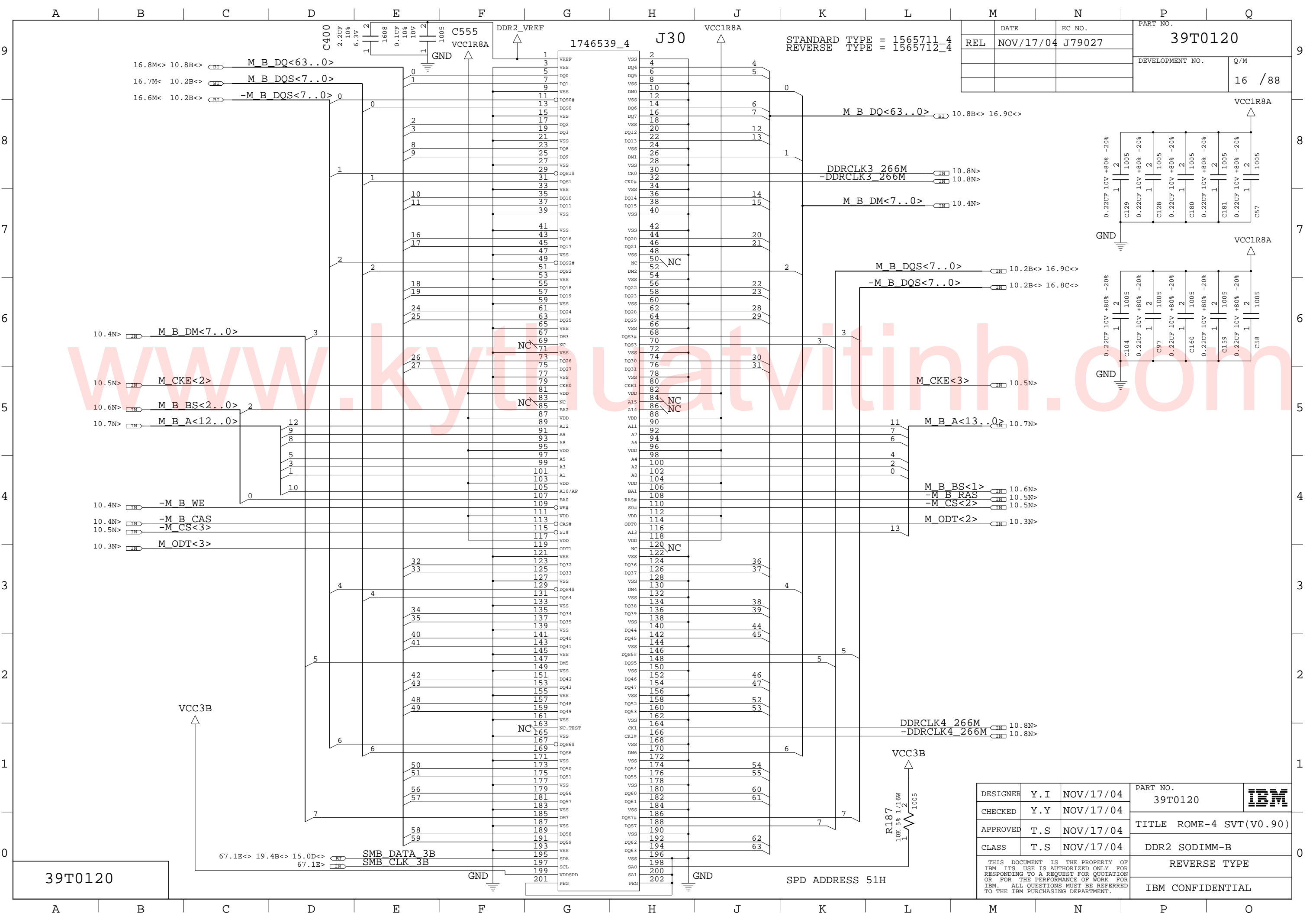
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NOV/17/04	J79027	39T0120
DEVELOPMENT NO.		Q/M
		15 / 88

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DESIGNER	Y.I	NOV/17/04	PART NO.	39T0120	IBM
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APPROVED	T.S	NOV/17/04	TITLE ROME-4 SVT(V0.90)		
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REL				DEVELOPMENT NO.	16 / 88

DESIGNER	Y.I	NOV/17/04	PART NO.	39T0120	
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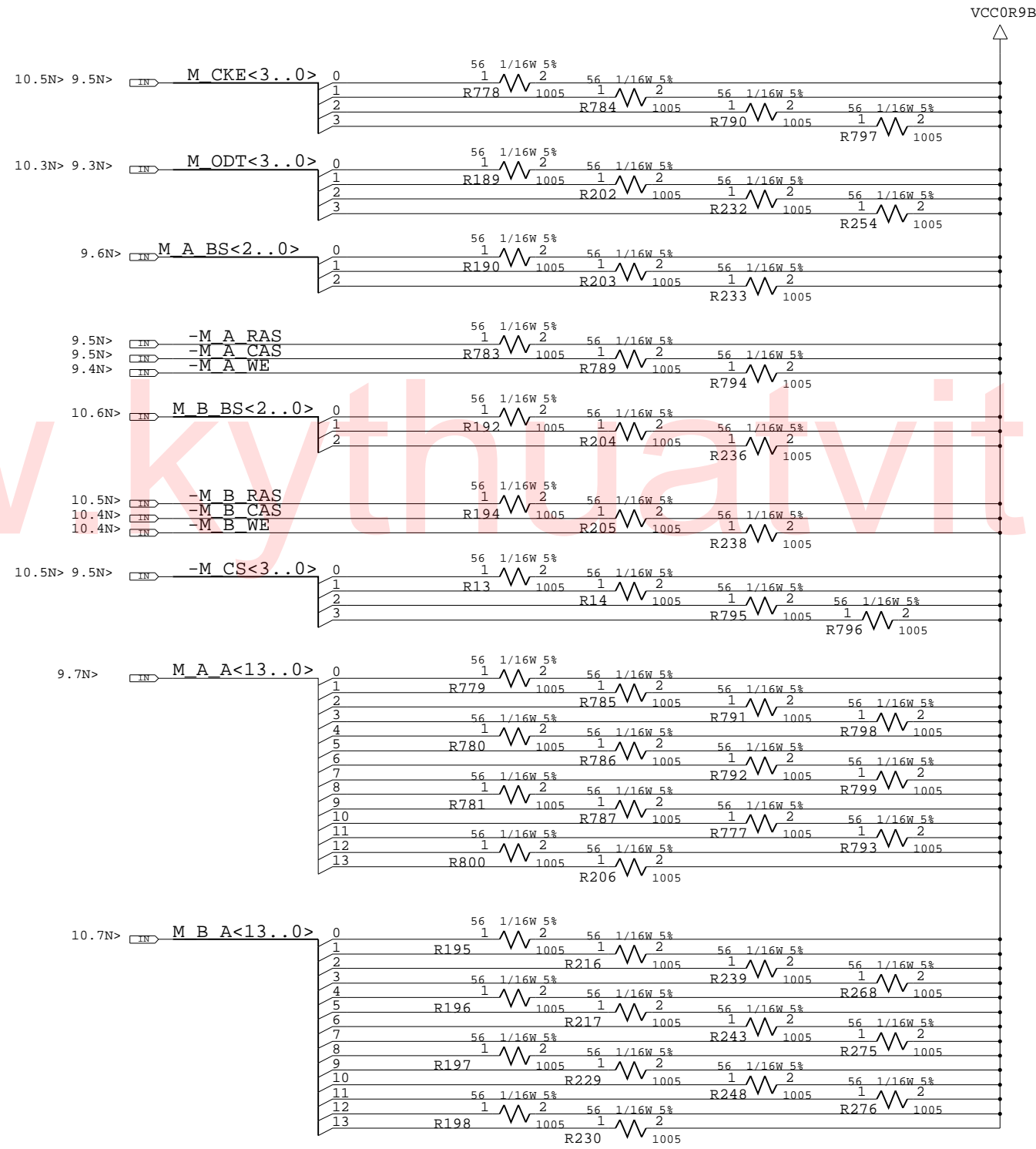
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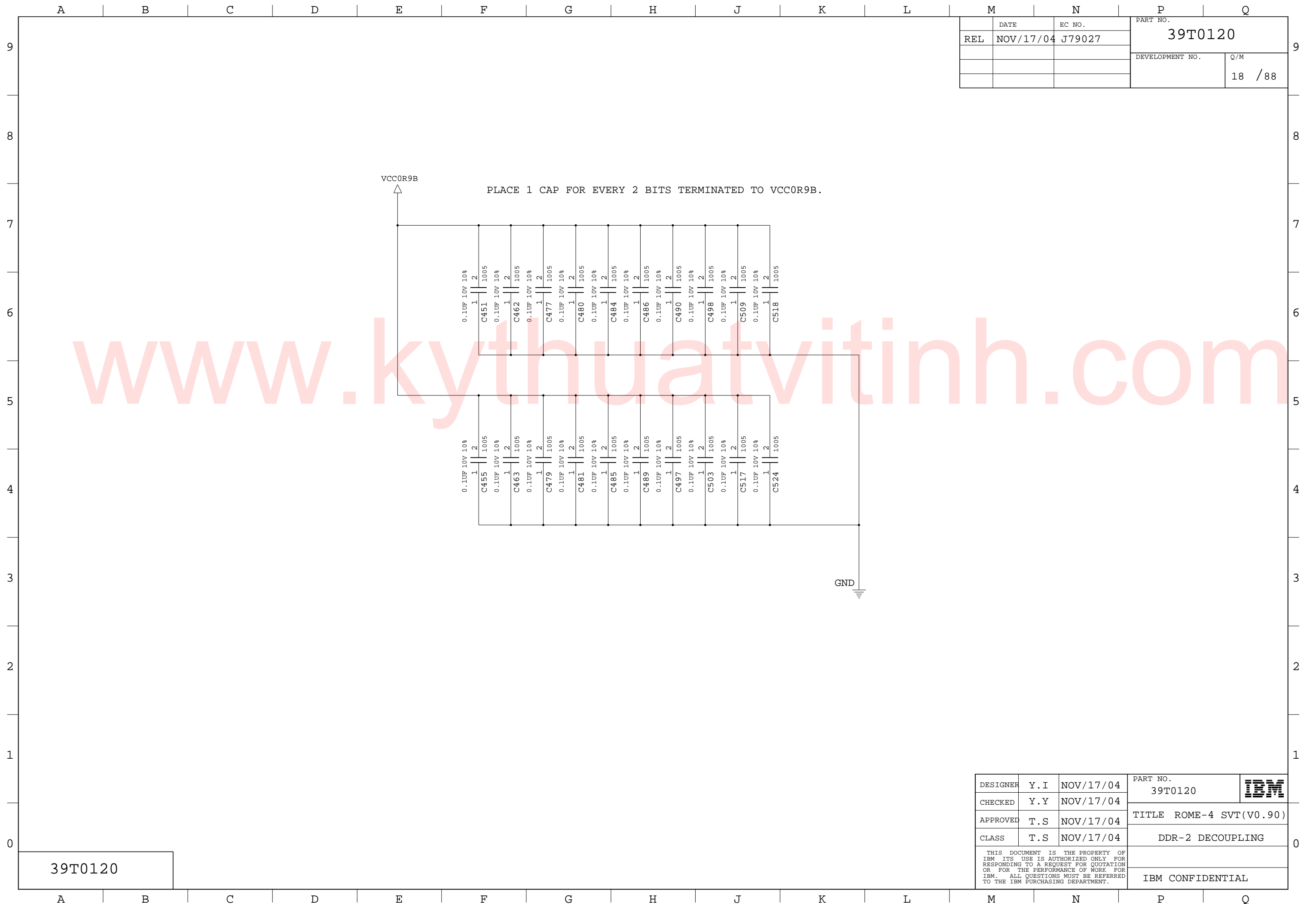
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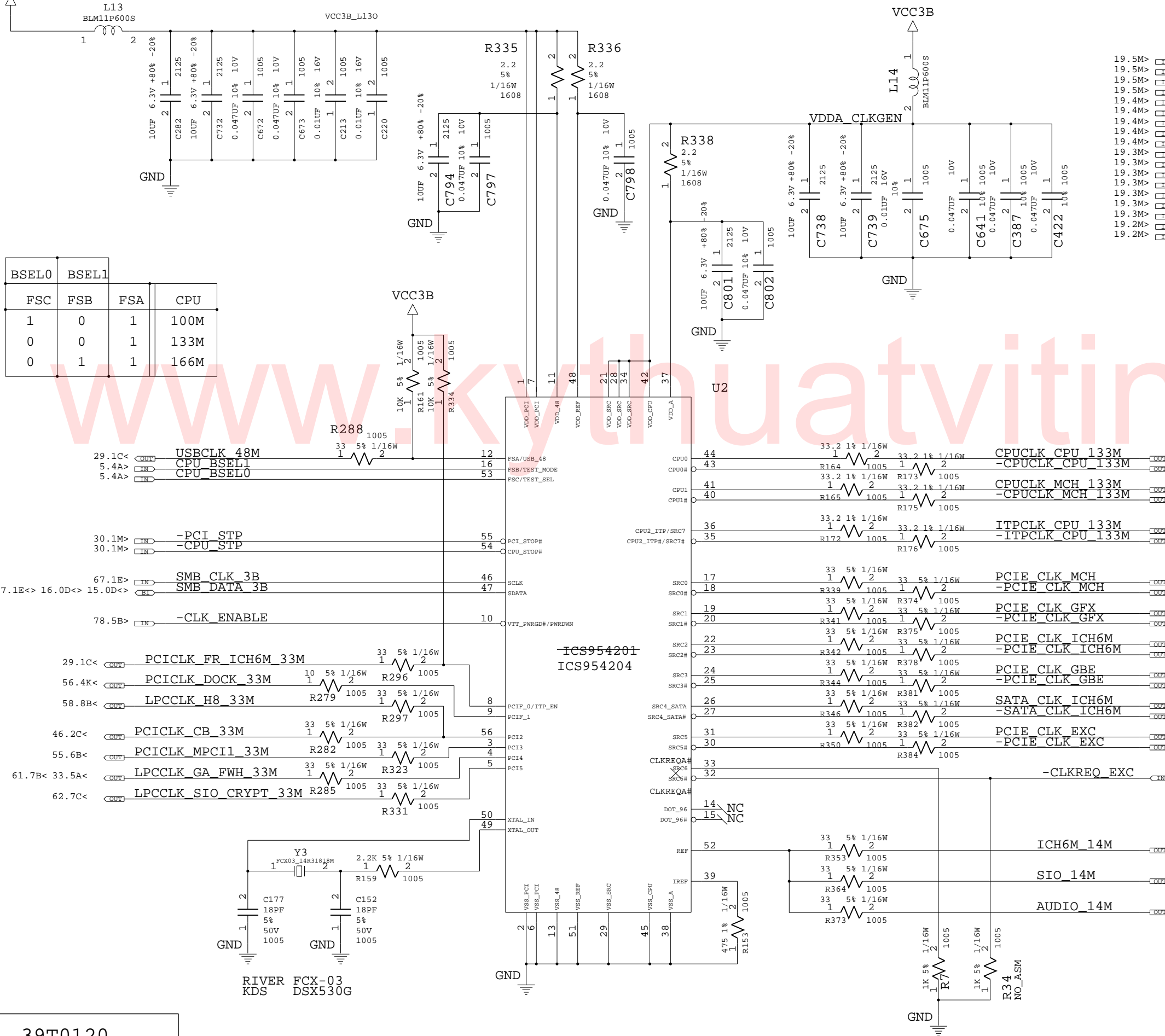
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REL	NOV/17/04	J79027	39T0120	
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				18 / 88

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NOV/17/04	J79027	39T0120
DEVELOPMENT NO.		Q/M
		19 / 88

VCC3B  
PLACE AT LEAST 1 CAP FOR EACH VDD PINS



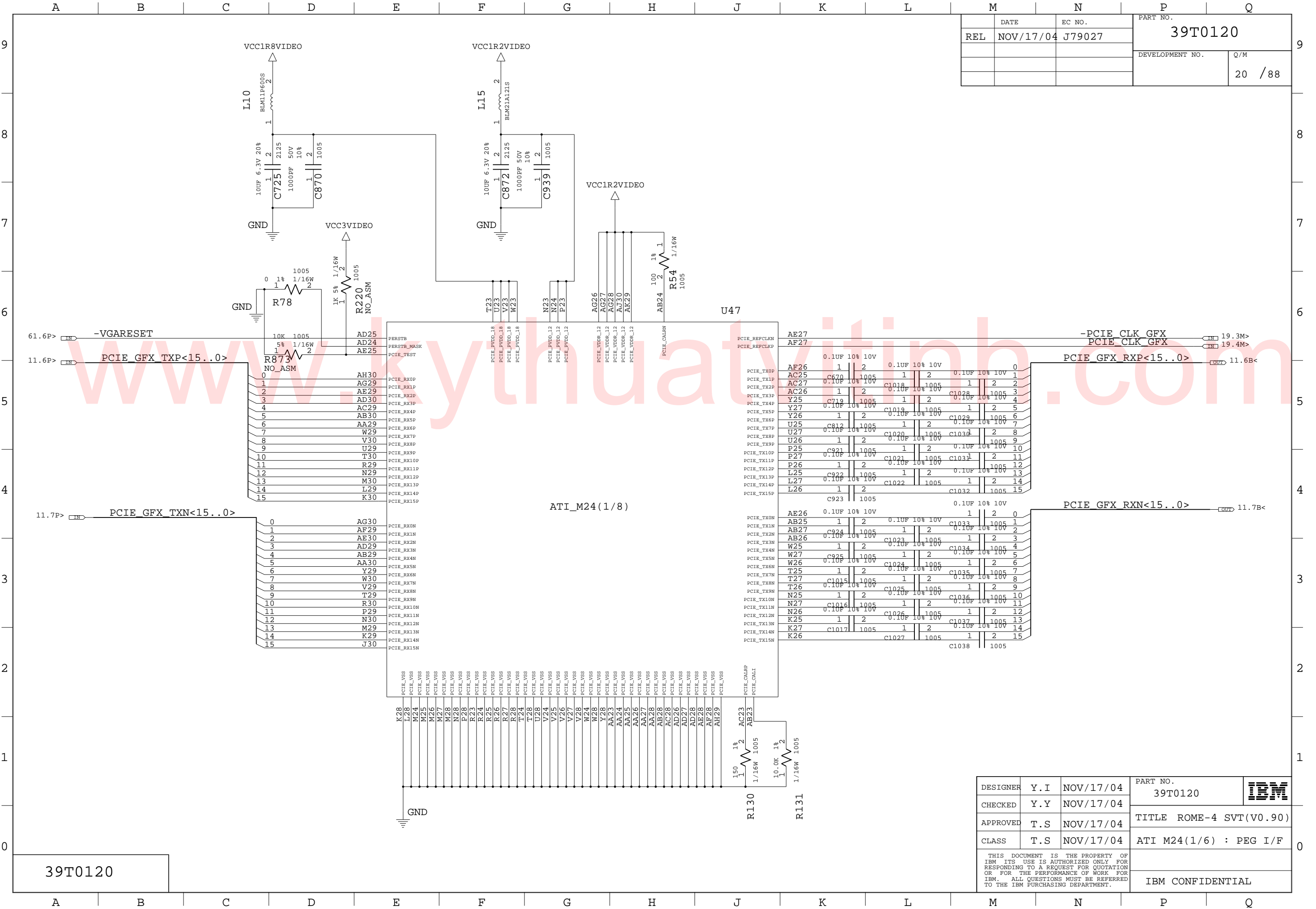
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0	0	1			133M
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19.5M	IN	-CPUCCLK CPU 133M	49.9 1% 1/16W	1	2	49.9 1% 1/16W	1	2	R186	1005
19.5M	IN	CPUCCLK MCH 133M	49.9 1% 1/16W	1	2	49.9 1% 1/16W	1	2	R469	1005
19.5M	IN	-CPUCCLK MCH 133M	49.9 1% 1/16W	1	2	49.9 1% 1/16W	1	2	R469	1005
19.4M	IN	ITPCLK CPU 133M	49.9 1% 1/16W	1	2	49.9 1% 1/16W	1	2	R510	1005
19.4M	IN	-ITPCLK CPU 133M	49.9 1% 1/16W	1	2	49.9 1% 1/16W	1	2	R510	1005
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APPROVED	T.S	NOV/17/04	CLASS CLOCK GEN(CK410M)		
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REL	NOV/17/04			DEVELOPMENT NO.	Q/M
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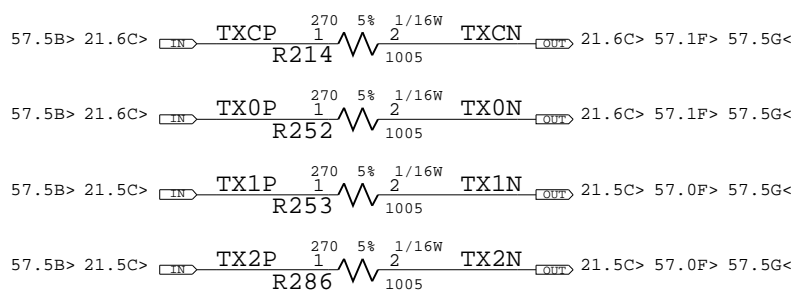
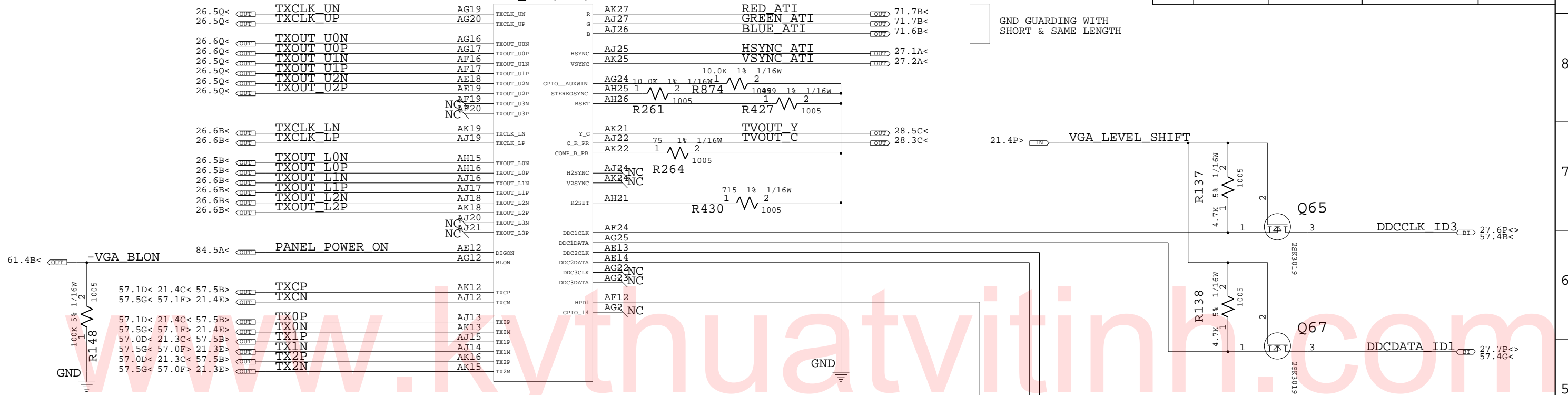
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REL				DEVELOPMENT NO.	21 / 88
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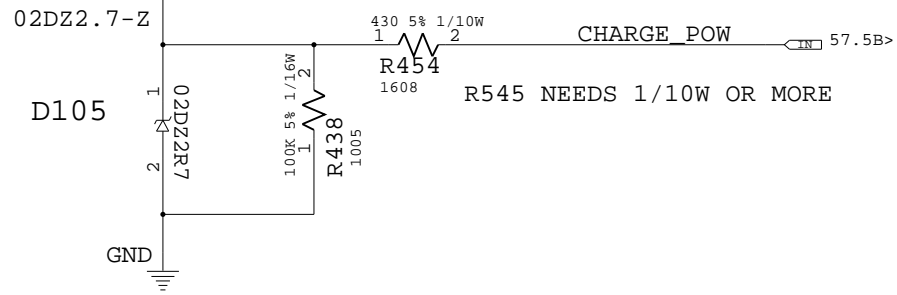
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ATI M22/M24

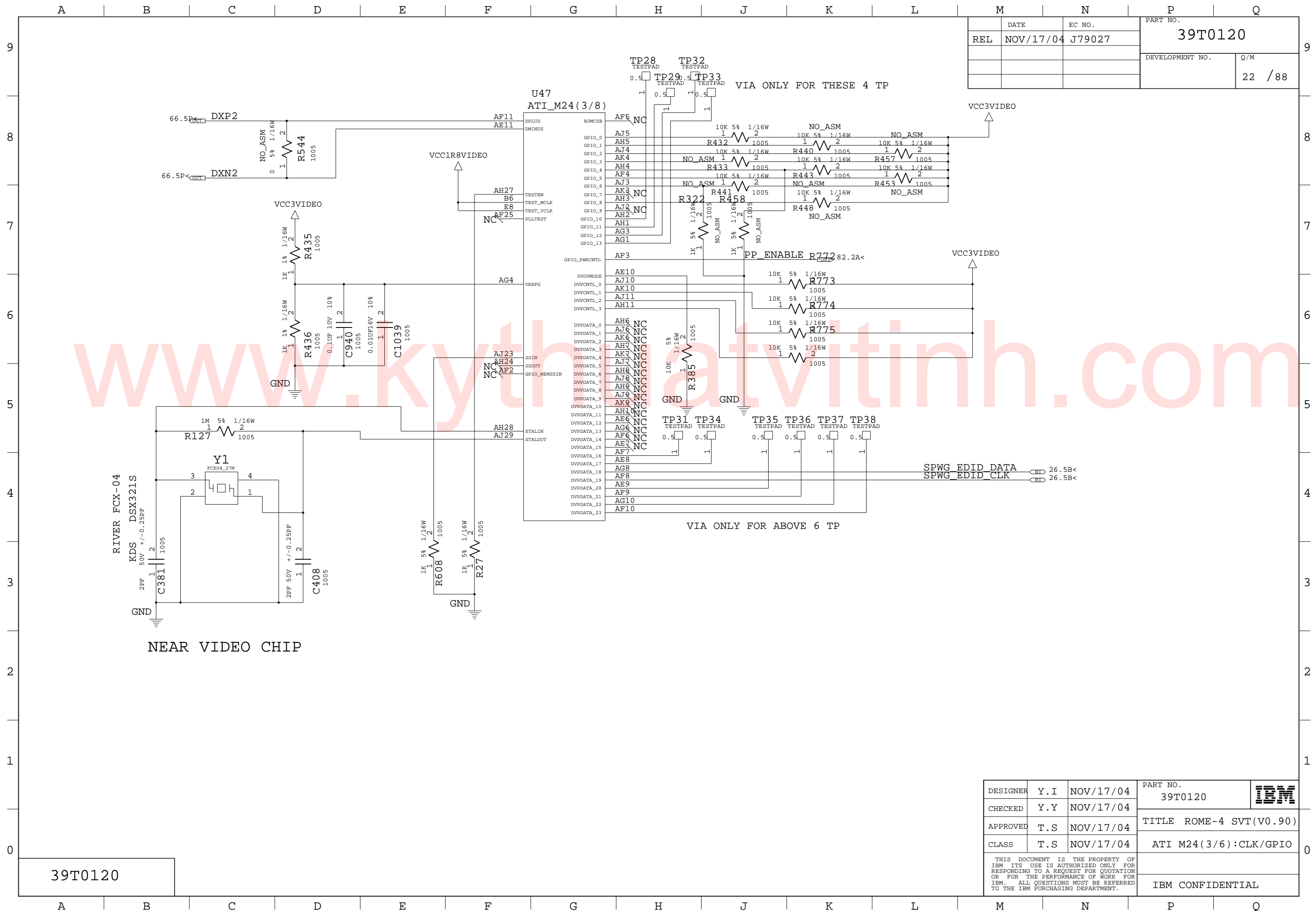
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LOGIC



DESIGNER	Y.I	NOV/17/04	PART NO.	39T0120	IBM
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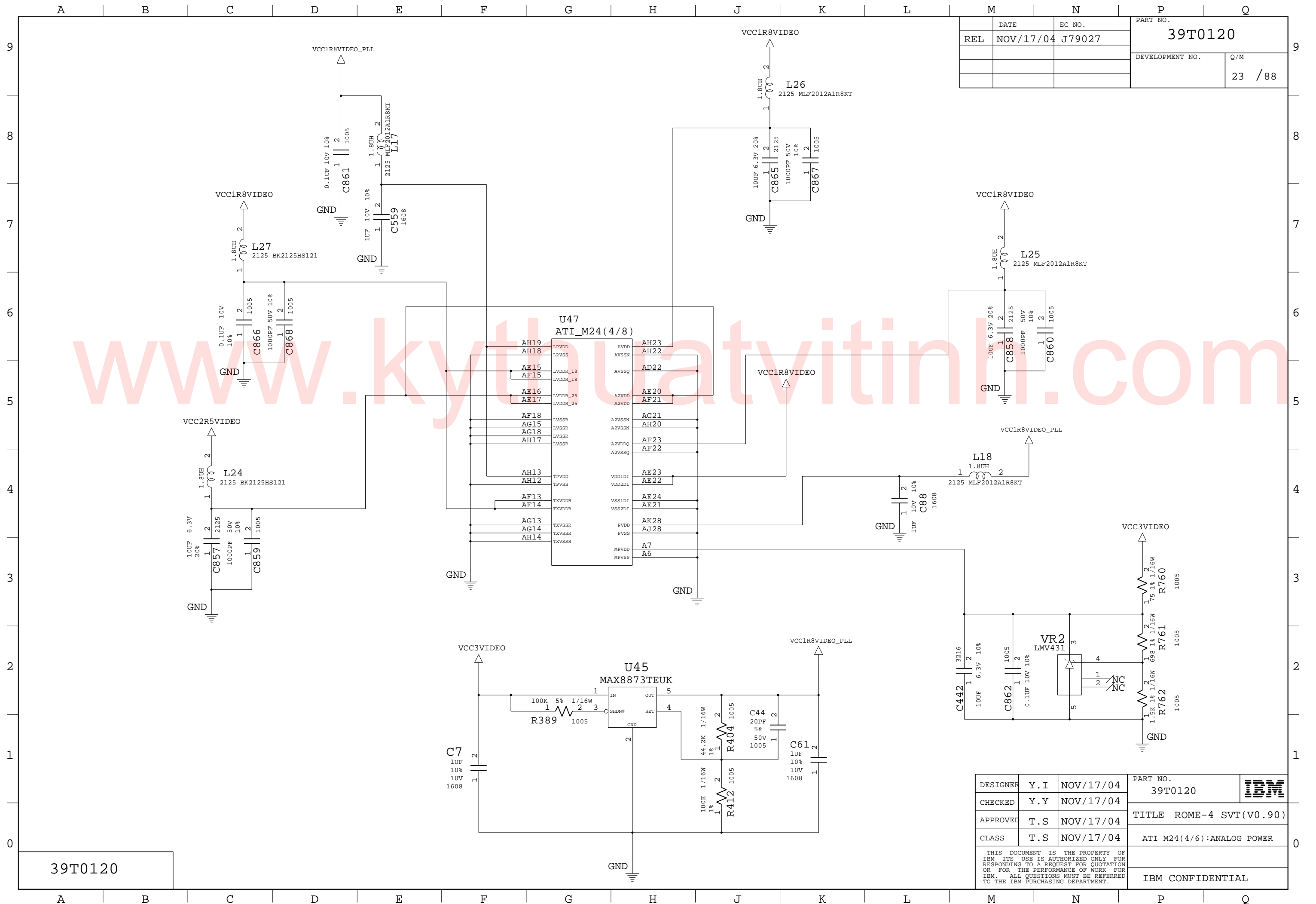
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REL				DEVELOPMENT NO.	Q/M
					22 / 88

DESIGNER	Y.I	NOV/17/04	PART NO.	39T0120	IBM
CHECKED	Y.Y	NOV/17/04			
APPROVED	T.S	NOV/17/04	TITLE		ROME-4 SVT(V0.90)
CLASS	T.S	NOV/17/04	ATI M24(3/6):CLK/GPIO		
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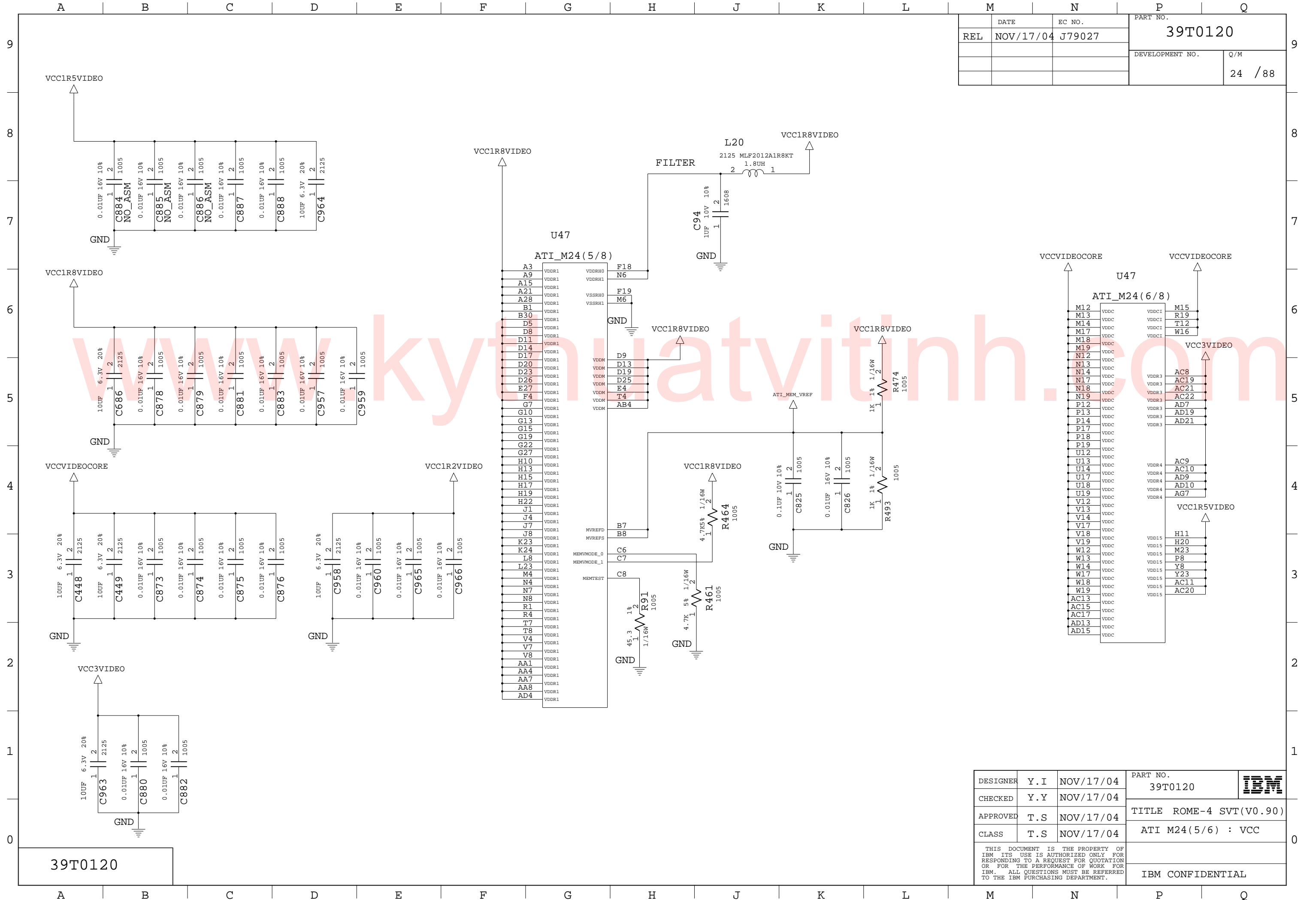


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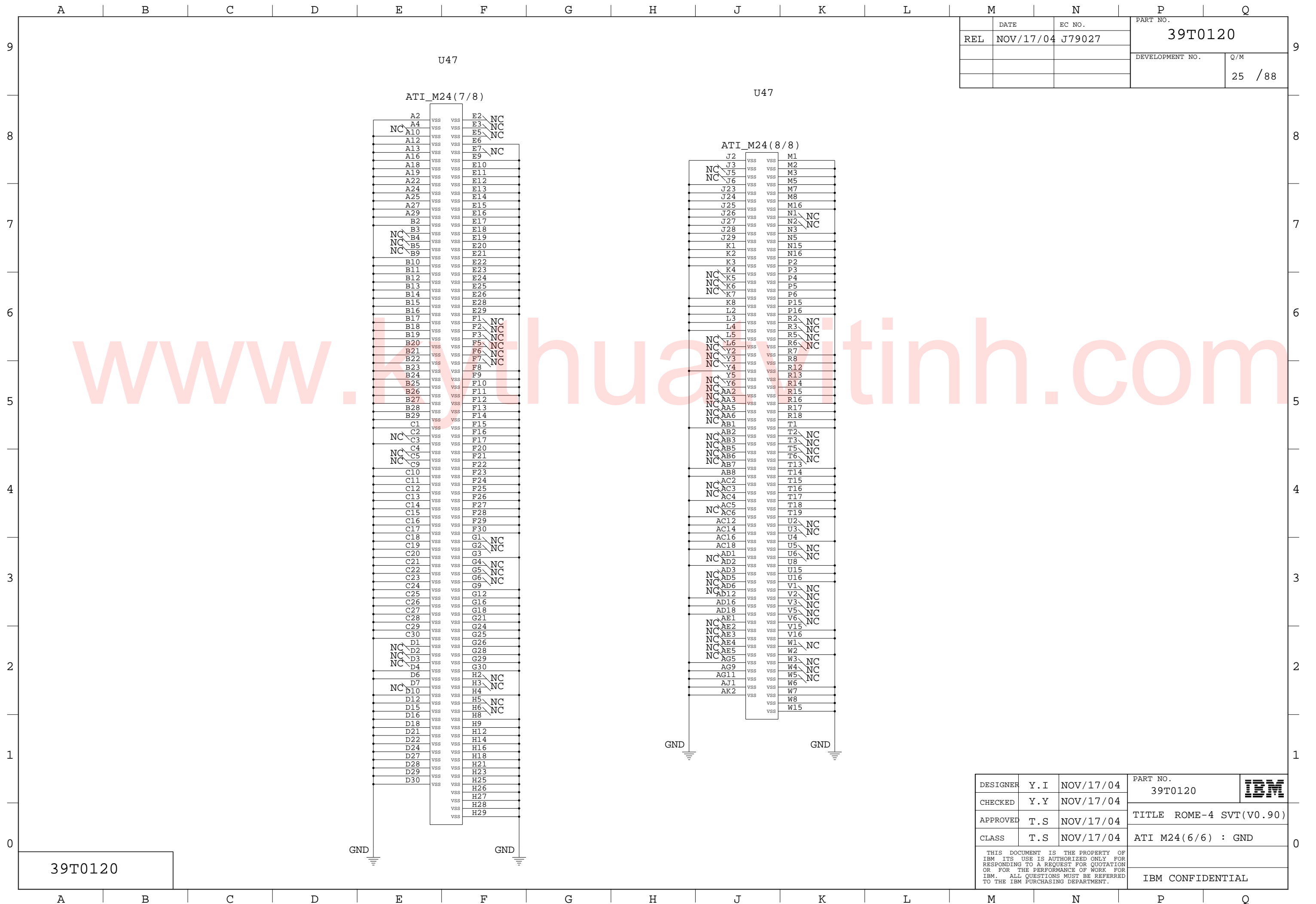
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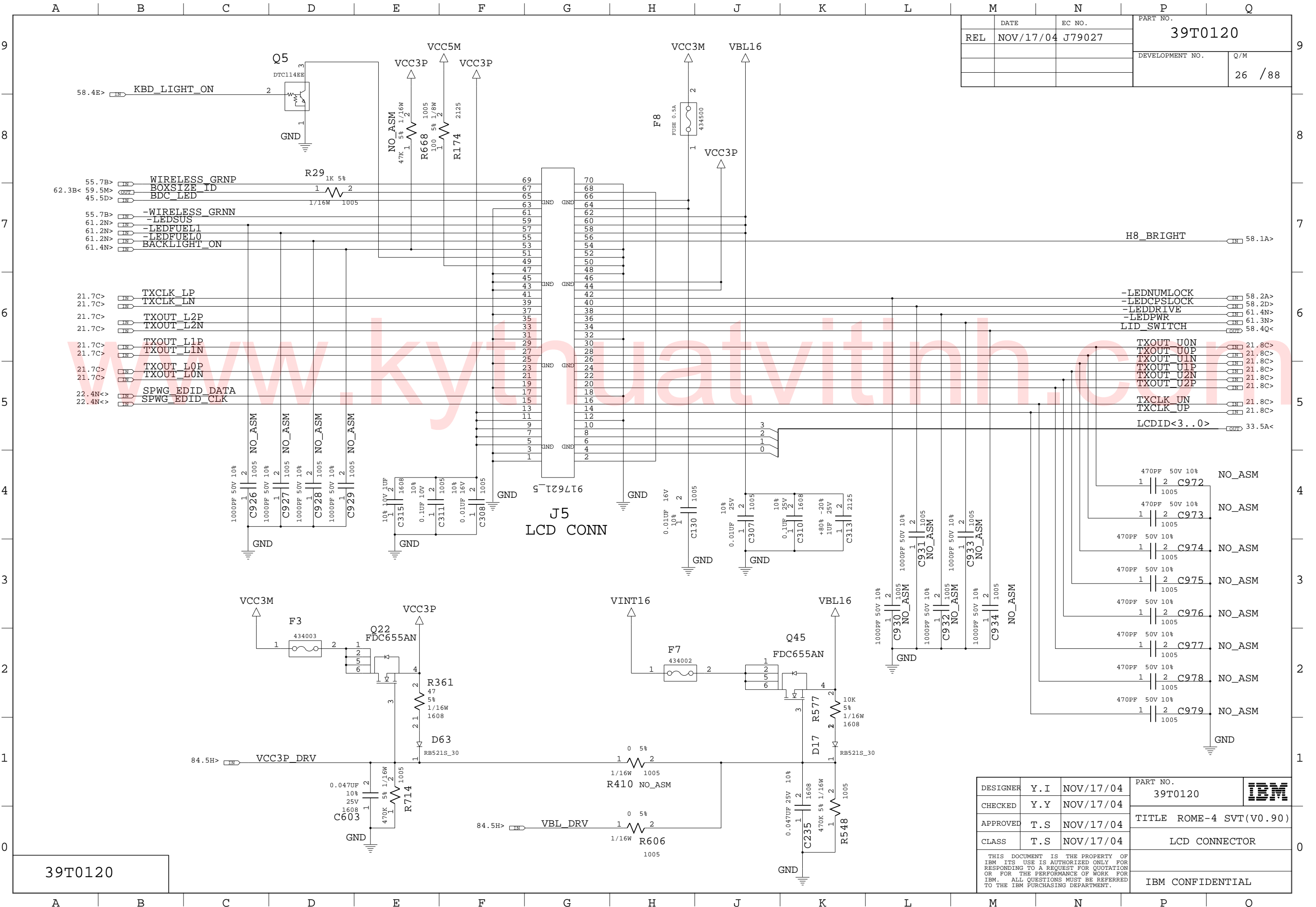
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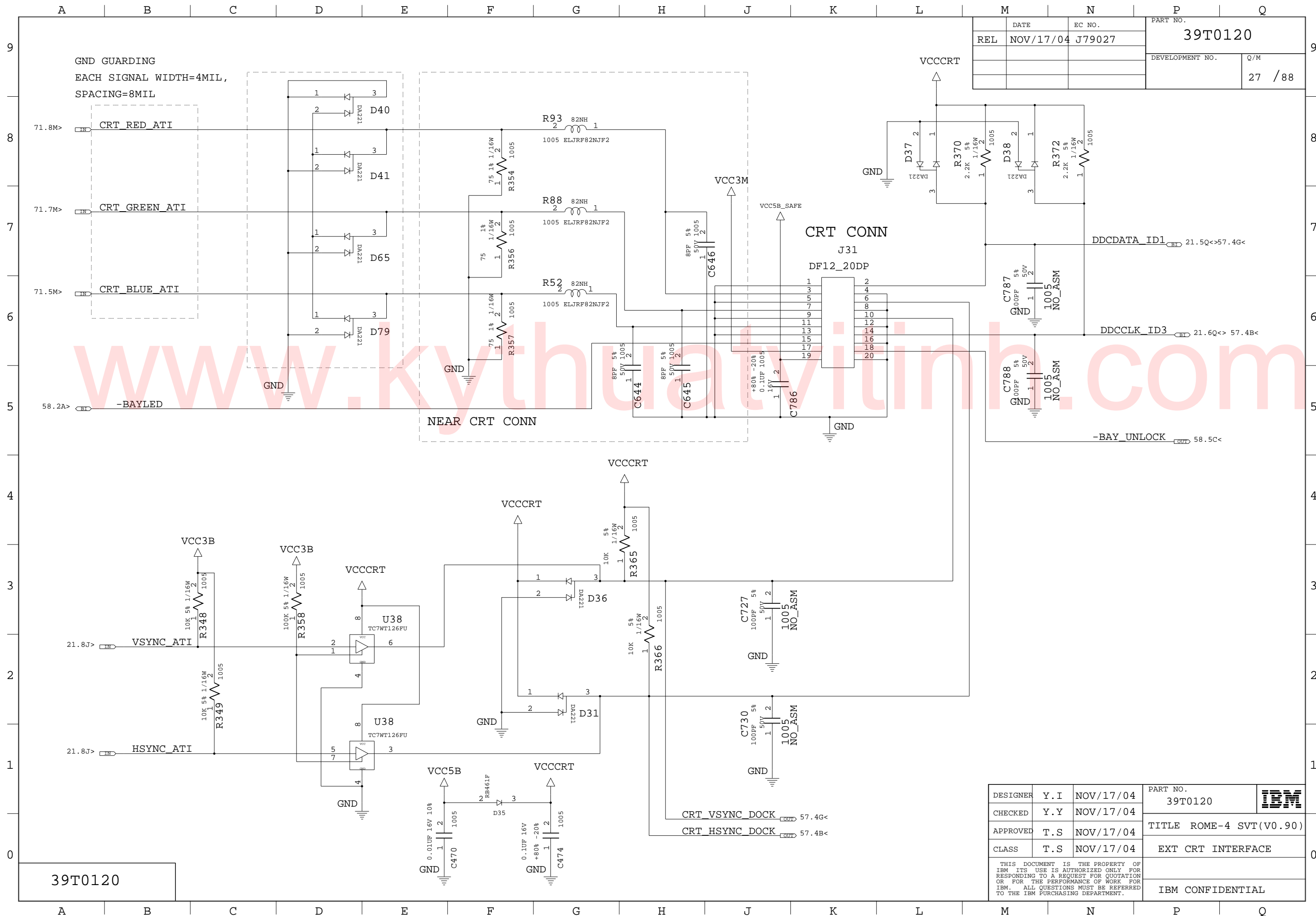


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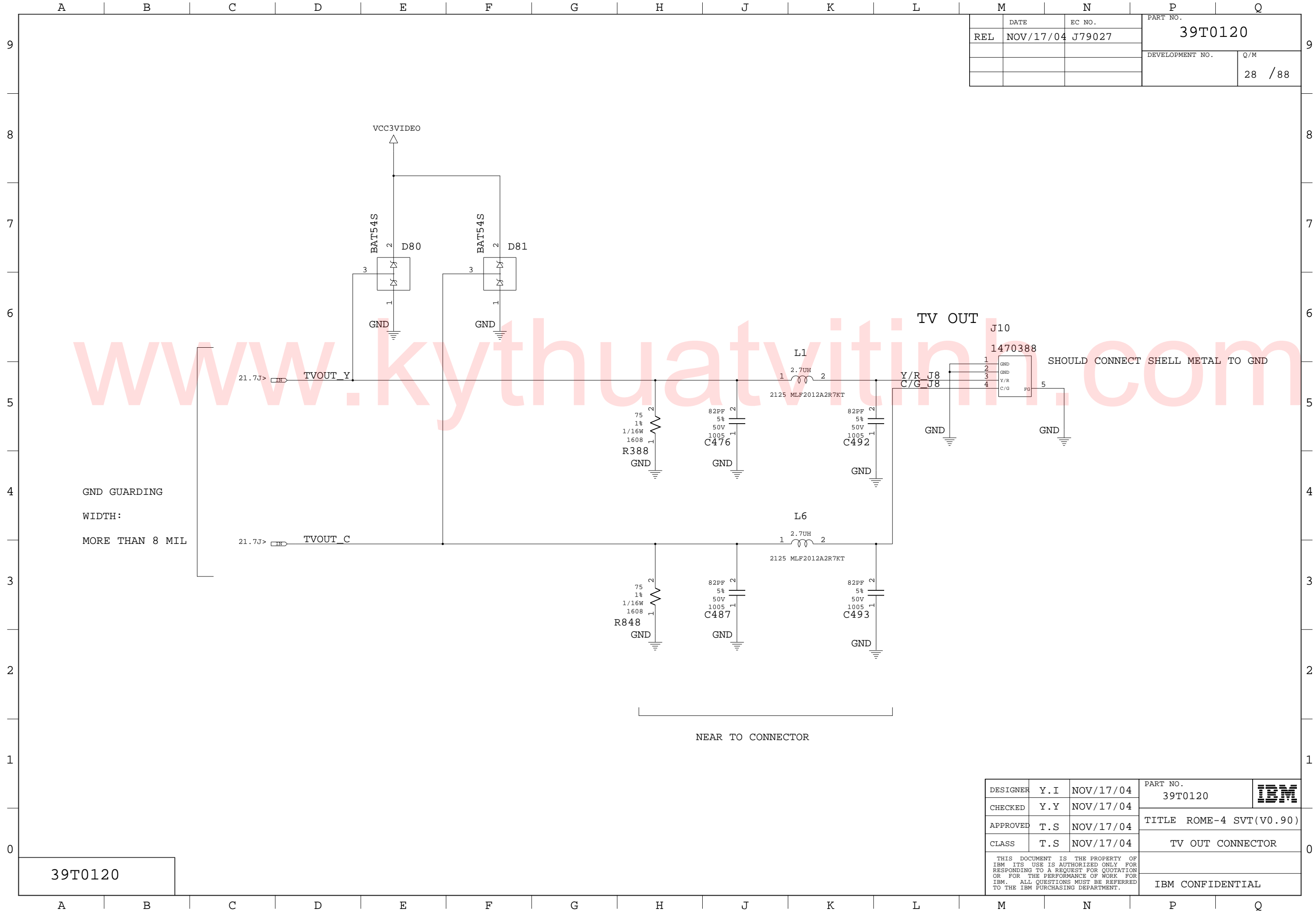


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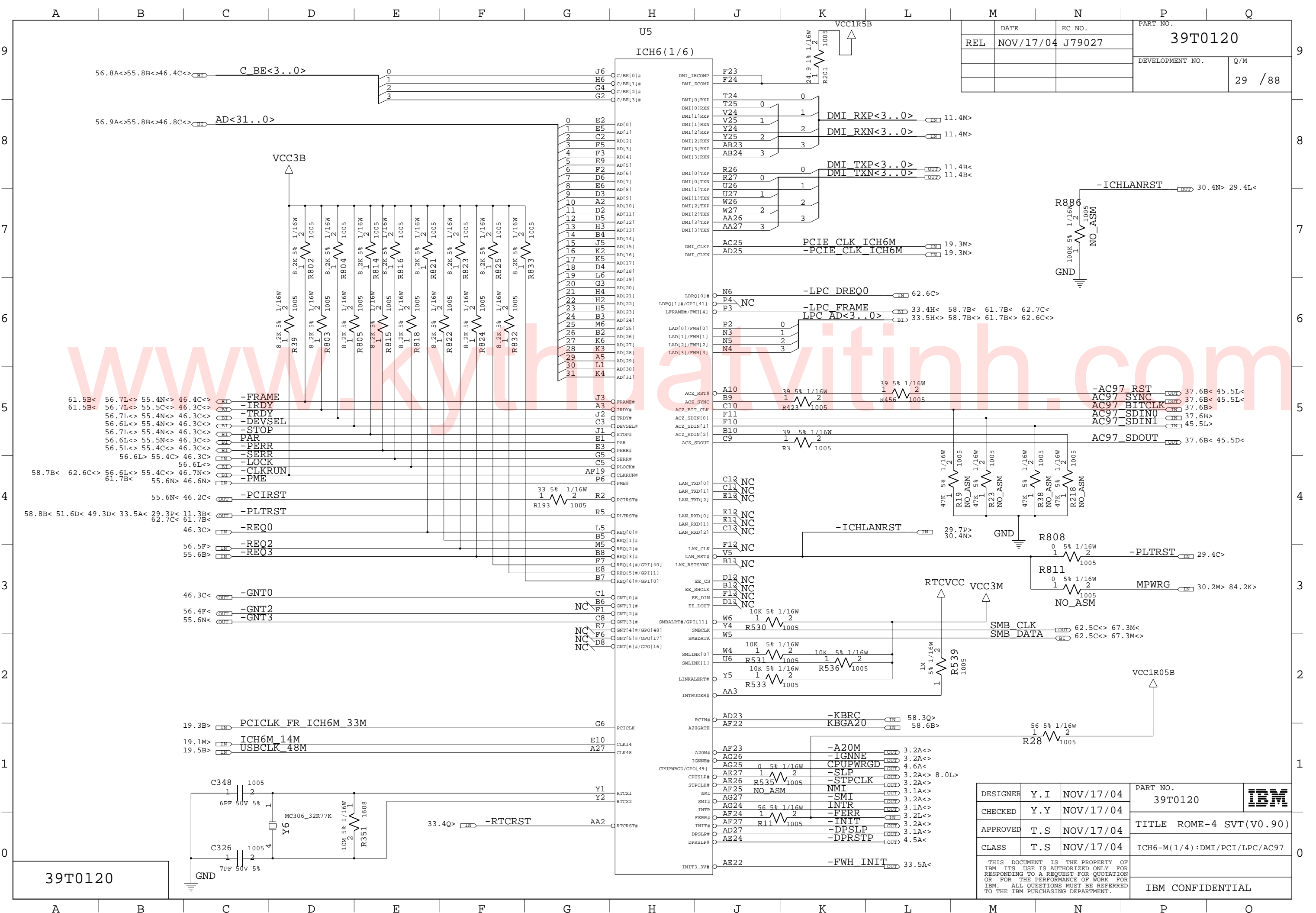


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MORE THAN 8 MIL

NEAR TO CONNECTOR

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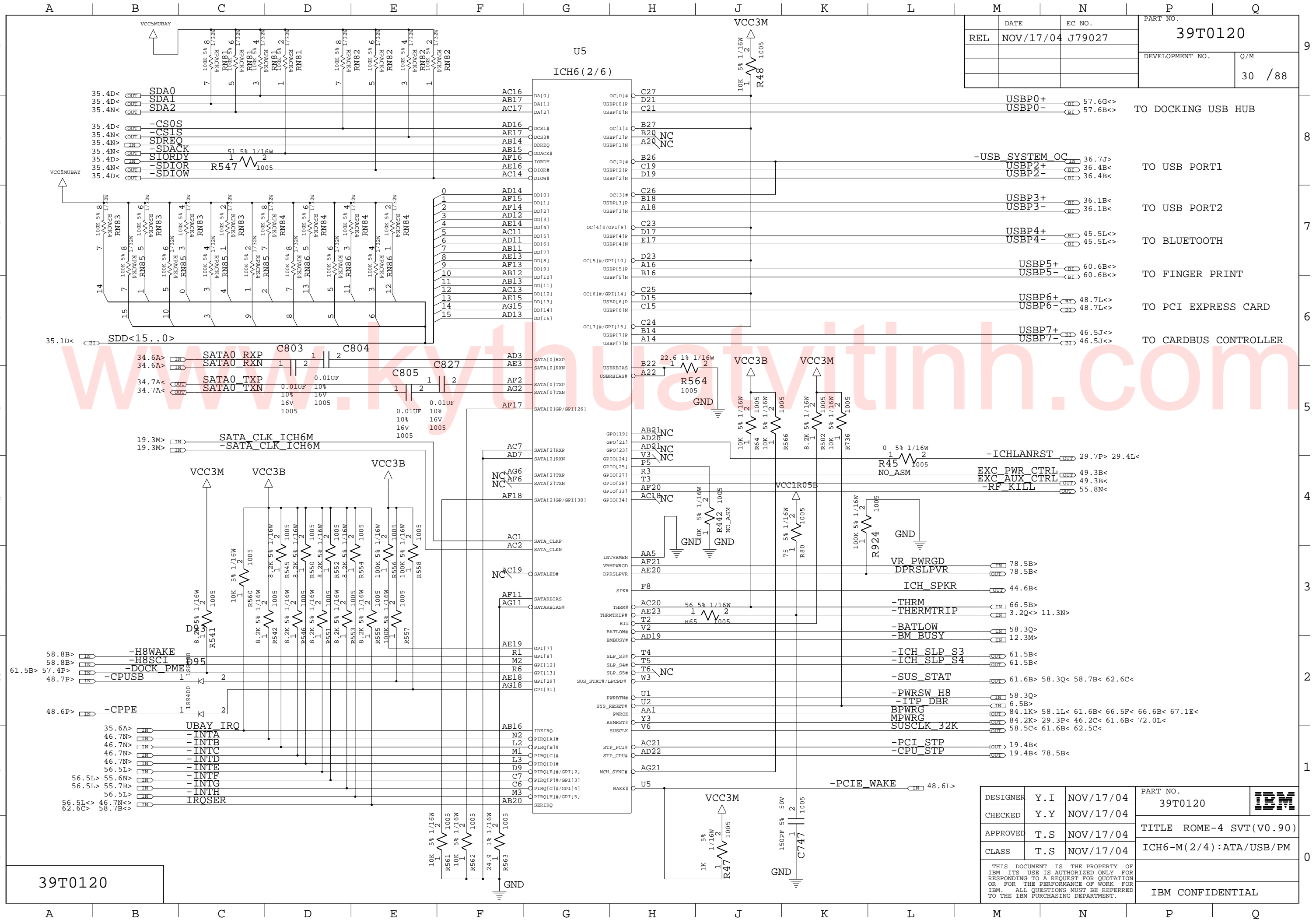
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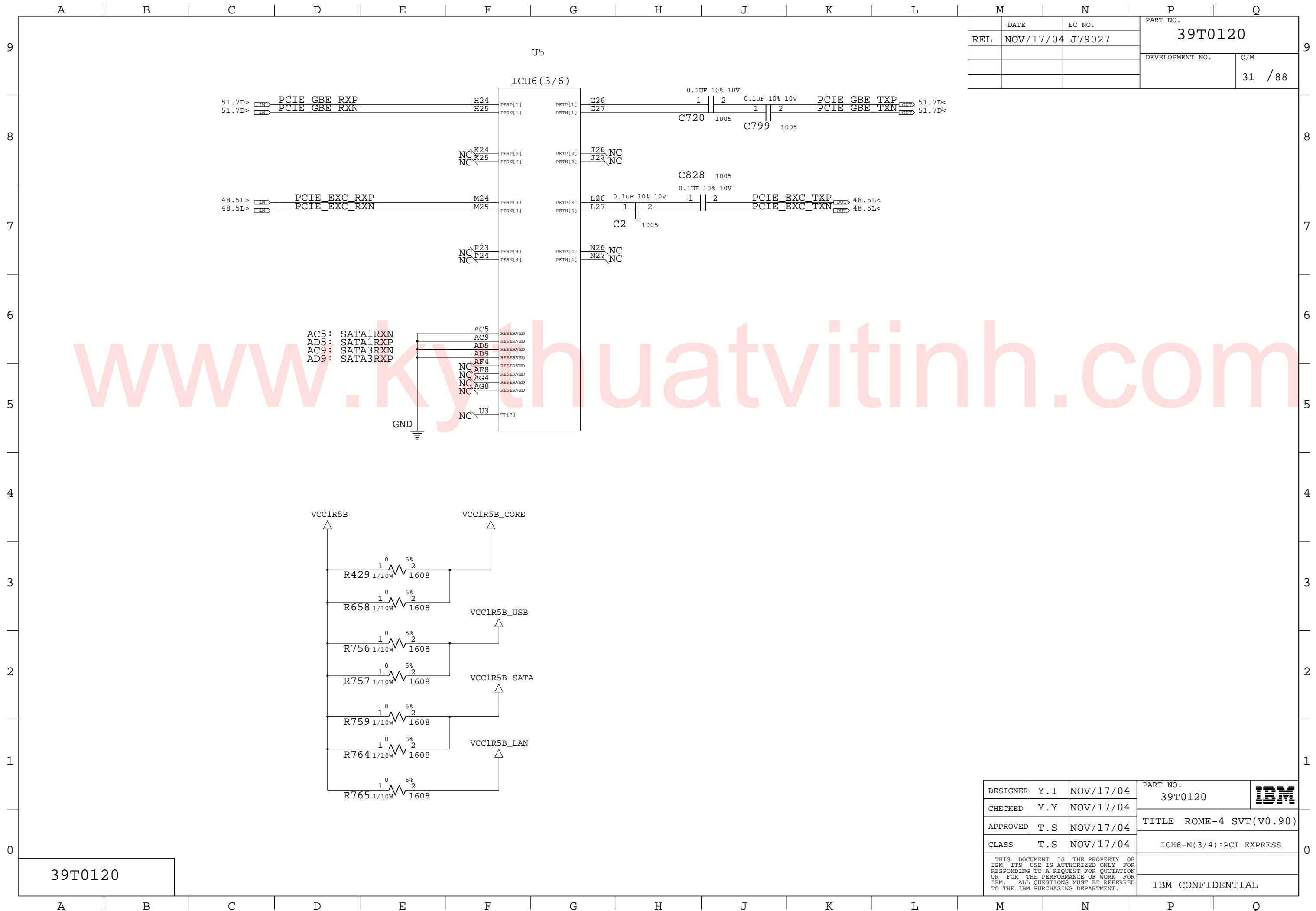
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CHECKED	Y.Y	NOV/17/04	TITLE		
APPROVED	T.S	NOV/17/04	ICH6-M(2/4):ATA/USB/PM		IBM CONFIDENTIAL
CLASS	T.S	NOV/17/04			

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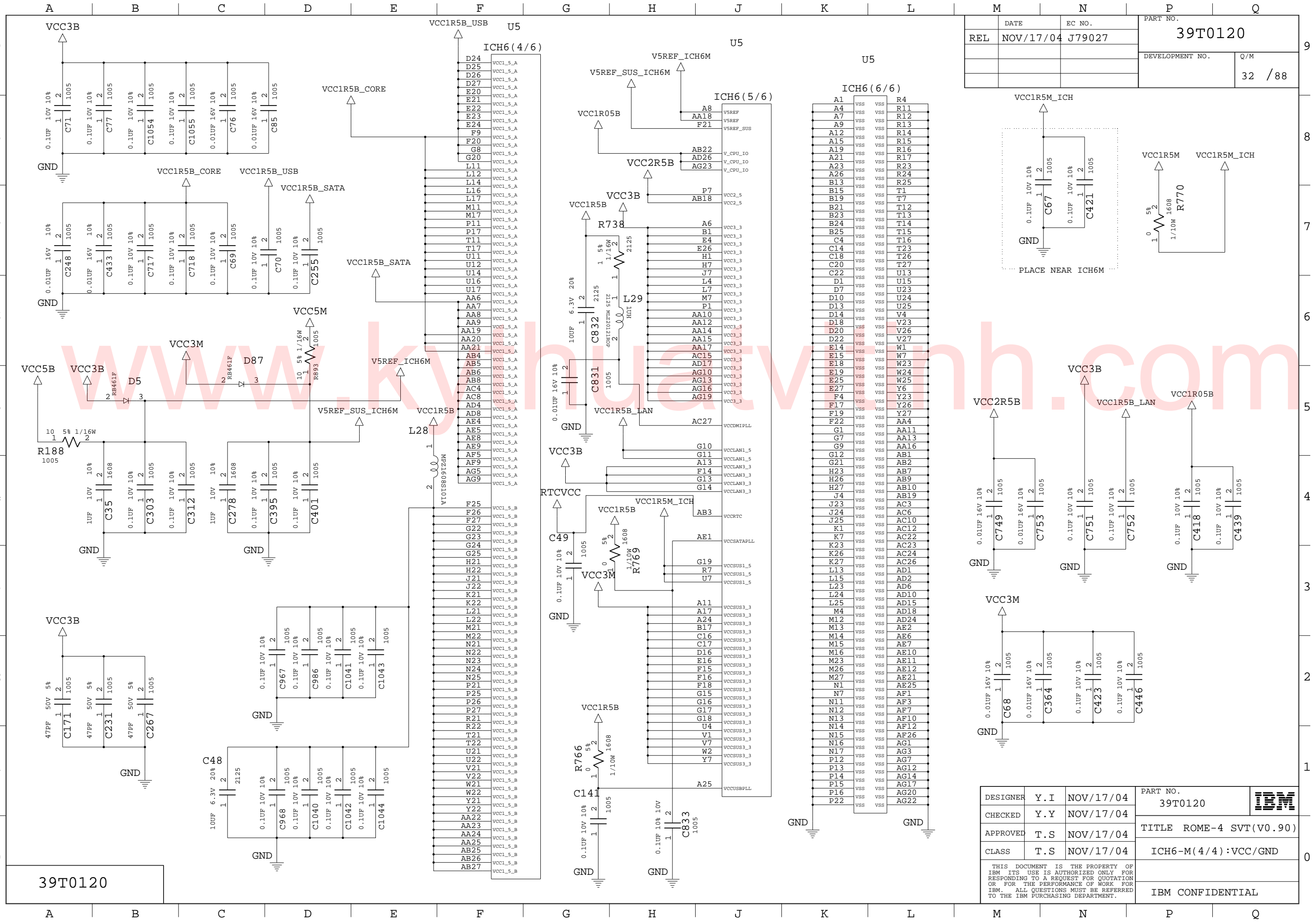
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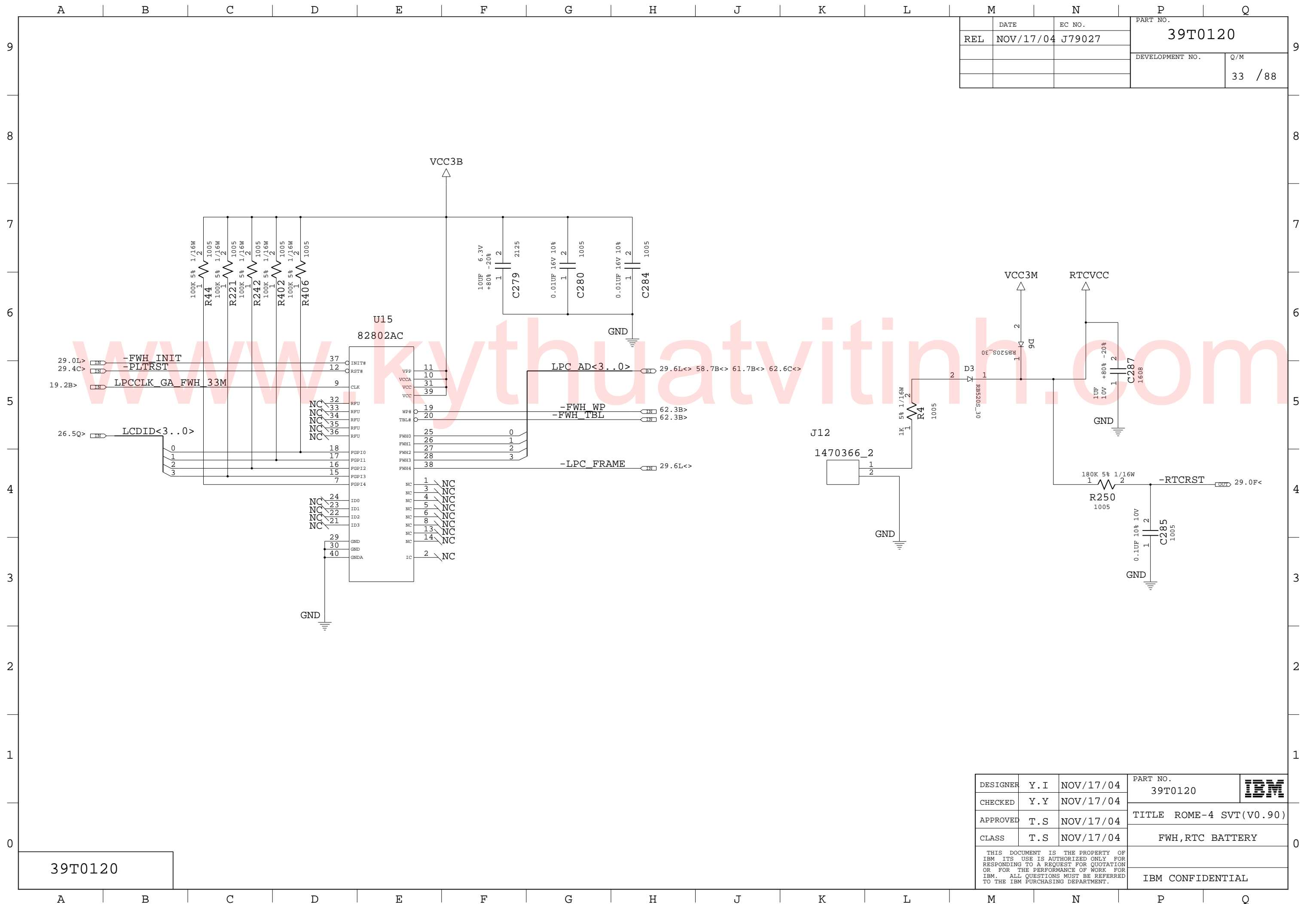
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			DEVELOPMENT NO.
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CLASS	T.S	NOV/17/04		ICH6-M(4/4):VCC/GND	
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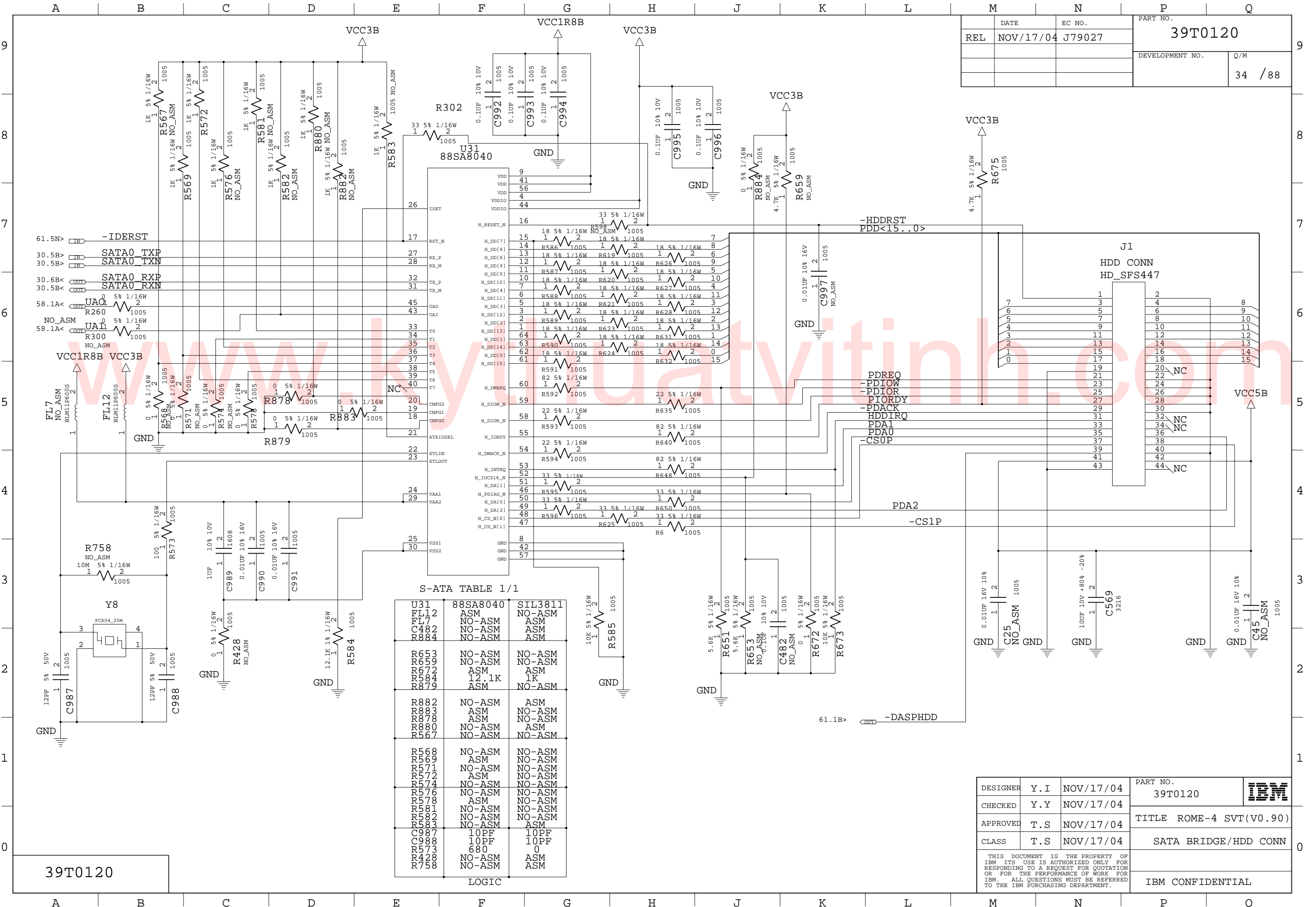


DATE	NOV/17/04	EC NO.	J79027	PART NO.	39T0120
REL				DEVELOPMENT NO.	Q/M
					33 / 88

39T0120

DESIGNER	Y.I	NOV/17/04	PART NO.	39T0120	<b>IBM</b>
CHECKED	Y.Y	NOV/17/04	TITLE ROME-4 SVT(V0.90)		
APPROVED	T.S	NOV/17/04	FWH, RTC BATTERY		
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REL	DATE	EC NO.	PART NO.
	NOV/17/04	J79027	39T0120
			DEVELOPMENT NO.
			Q/M
			34 / 88



S-ATA TABLE 1/1

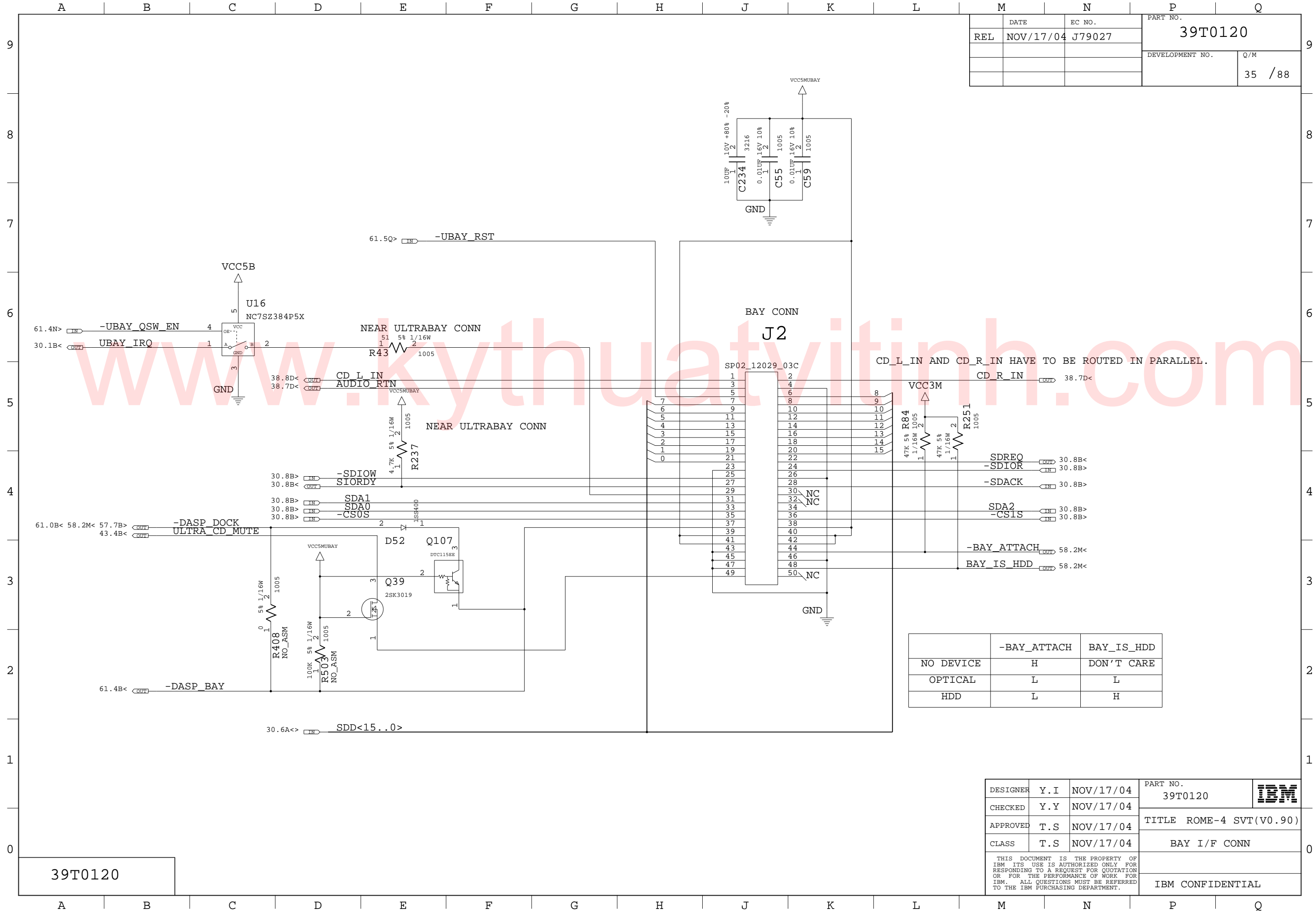
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FL7	NO-ASM	ASM
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R884	NO-ASM	ASM
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R653	NO-ASM	NO-ASM
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CHECKED	Y.Y	NOV/17/04			
APPROVED	T.S	NOV/17/04	TITLE	ROME-4 SVT(V0.90)	
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LOGIC

REL	DATE	EC NO.	PART NO.
	NOV/17/04	J79027	39T0120
			DEVELOPMENT NO.
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			35 / 88



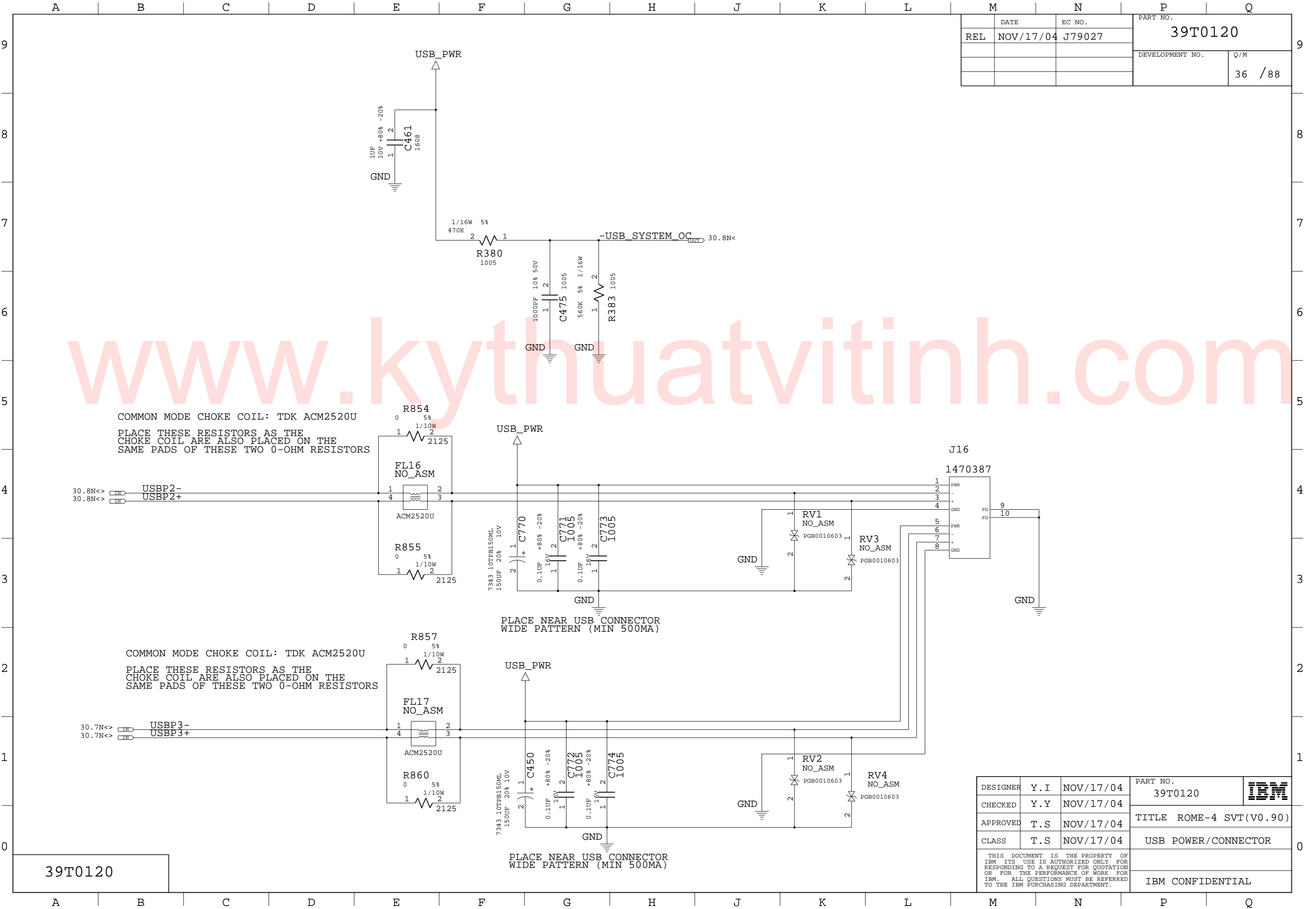
CD\_L\_IN AND CD\_R\_IN HAVE TO BE ROUTED IN PARALLEL.

	-BAY_ATTACH	BAY_IS_HDD
NO DEVICE	H	DON'T CARE
OPTICAL	L	L
HDD	L	H

DESIGNER	Y.I	NOV/17/04	PART NO.	39T0120	
CHECKED	Y.Y	NOV/17/04			
APPROVED	T.S	NOV/17/04	TITLE ROME-4 SVT(V0.90)		
CLASS	T.S	NOV/17/04	BAY I/F CONN		
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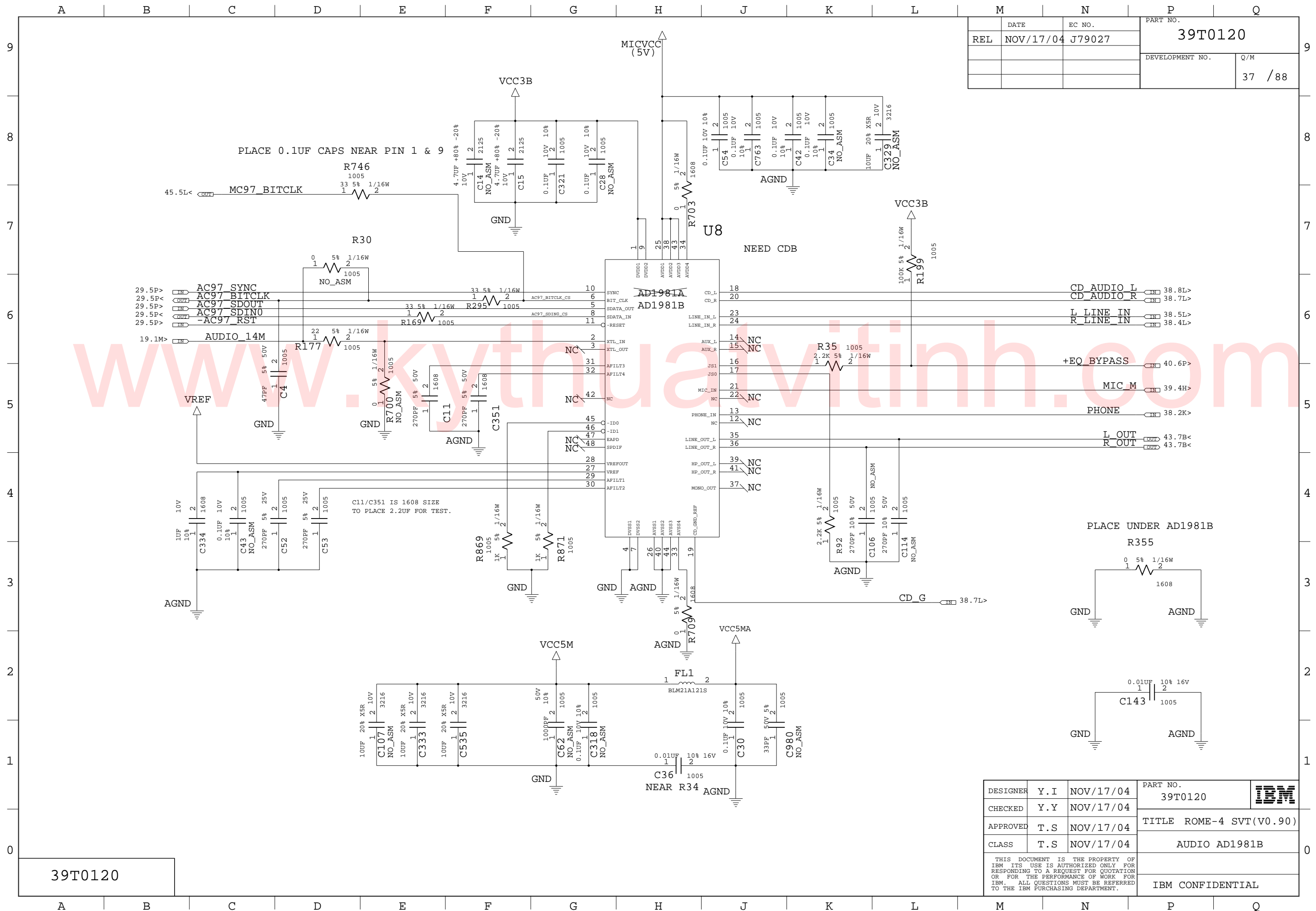
39T0120

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REL	NOV/17/04	J79027	39T0120
			DEVELOPMENT NO.
			Q/M
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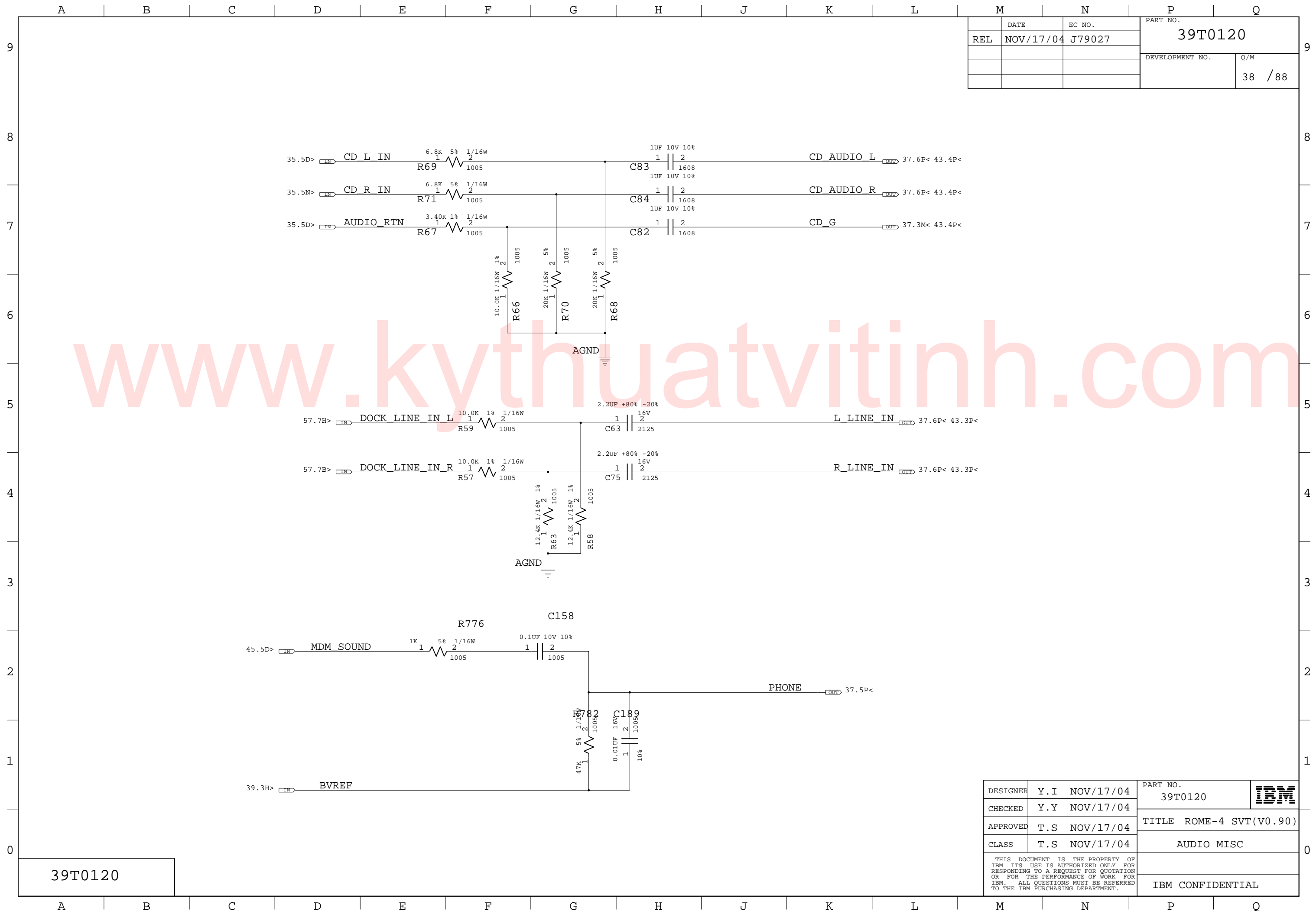
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CLASS	T.S	NOV/17/04	USB POWER/CONNECTOR		
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APPROVED	T.S	NOV/17/04	CLASS	AUDIO AD1981B	
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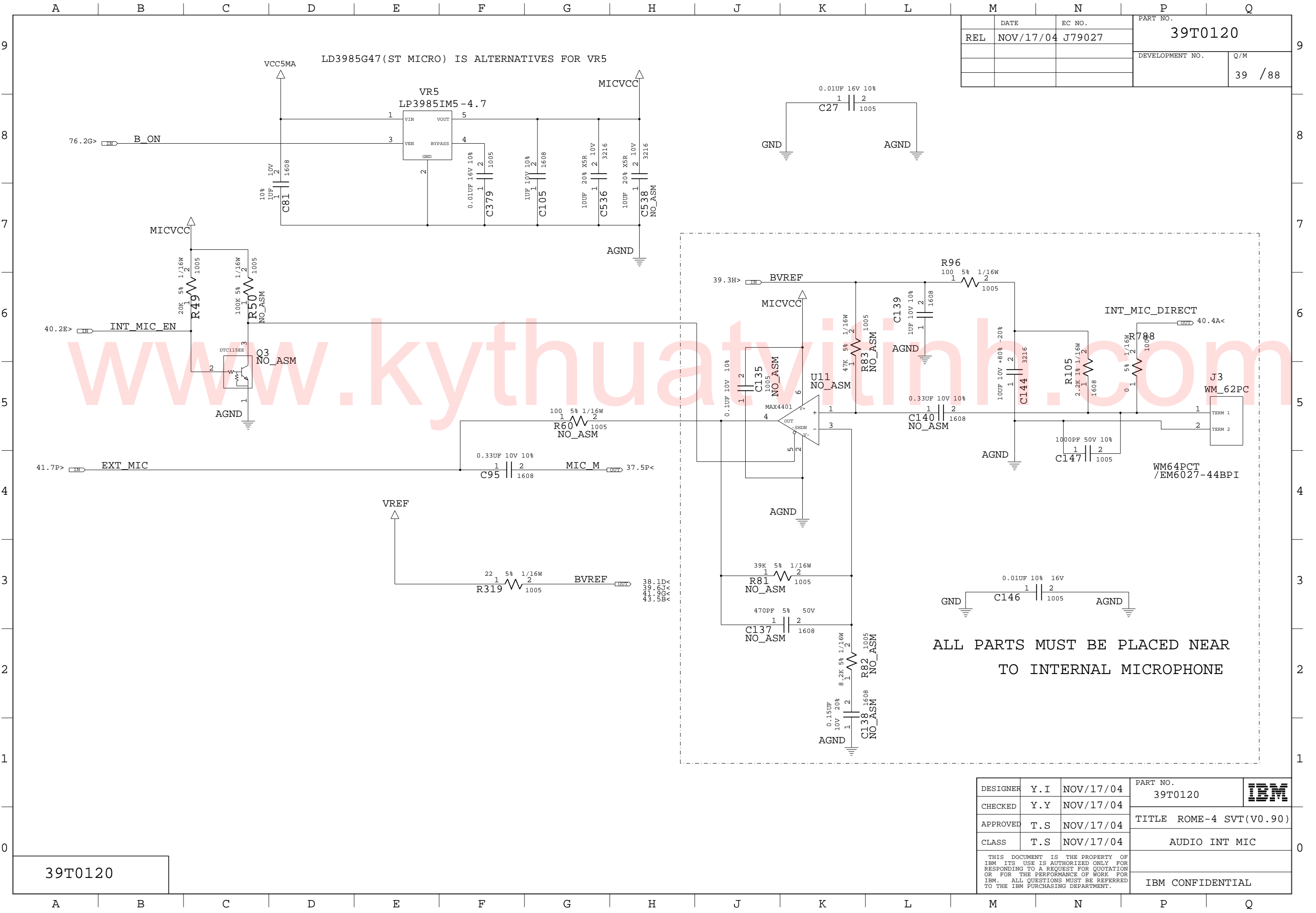
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	NOV/17/04	J79027	39T0120	
			DEVELOPMENT NO.	Q/M
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39T0120

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CLASS	T.S	NOV/17/04	AUDIO MISC	
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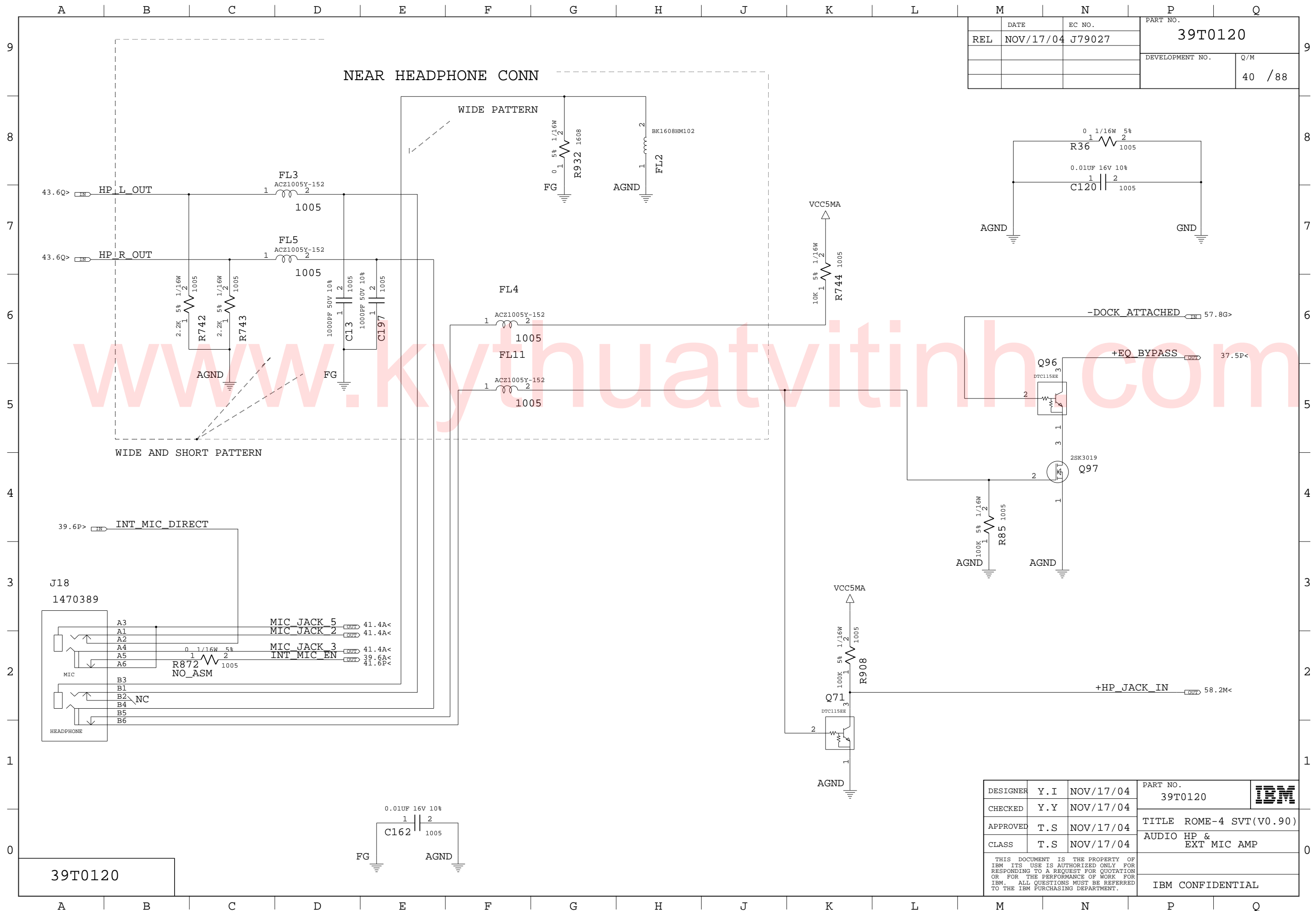


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REL				DEVELOPMENT NO.	39 / 88
				Q/M	



39T0120

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APPROVED	T.S	NOV/17/04	CLASS	AUDIO INT MIC	
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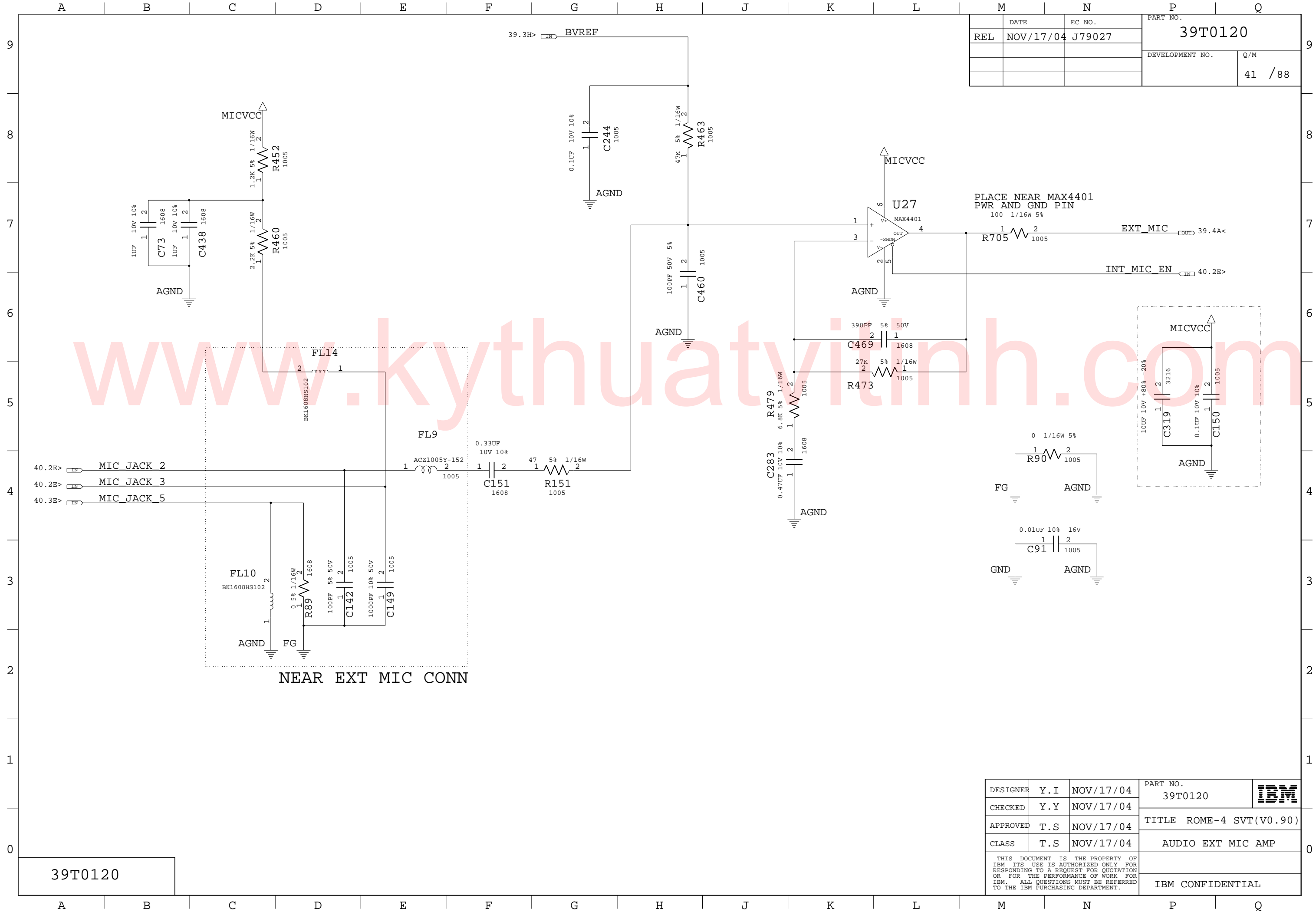


DATE	NOV/17/04	EC NO.	J79027	PART NO.	39T0120
REL				DEVELOPMENT NO.	40 / 88
				Q/M	

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CHECKED	Y.Y	NOV/17/04	TITLE	ROME-4 SVT(V0.90)	
APPROVED	T.S	NOV/17/04	CLASS	AUDIO HP & EXT MIC AMP	
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REL NOV/17/04	J79027	39T0120	
		DEVELOPMENT NO.	Q/M
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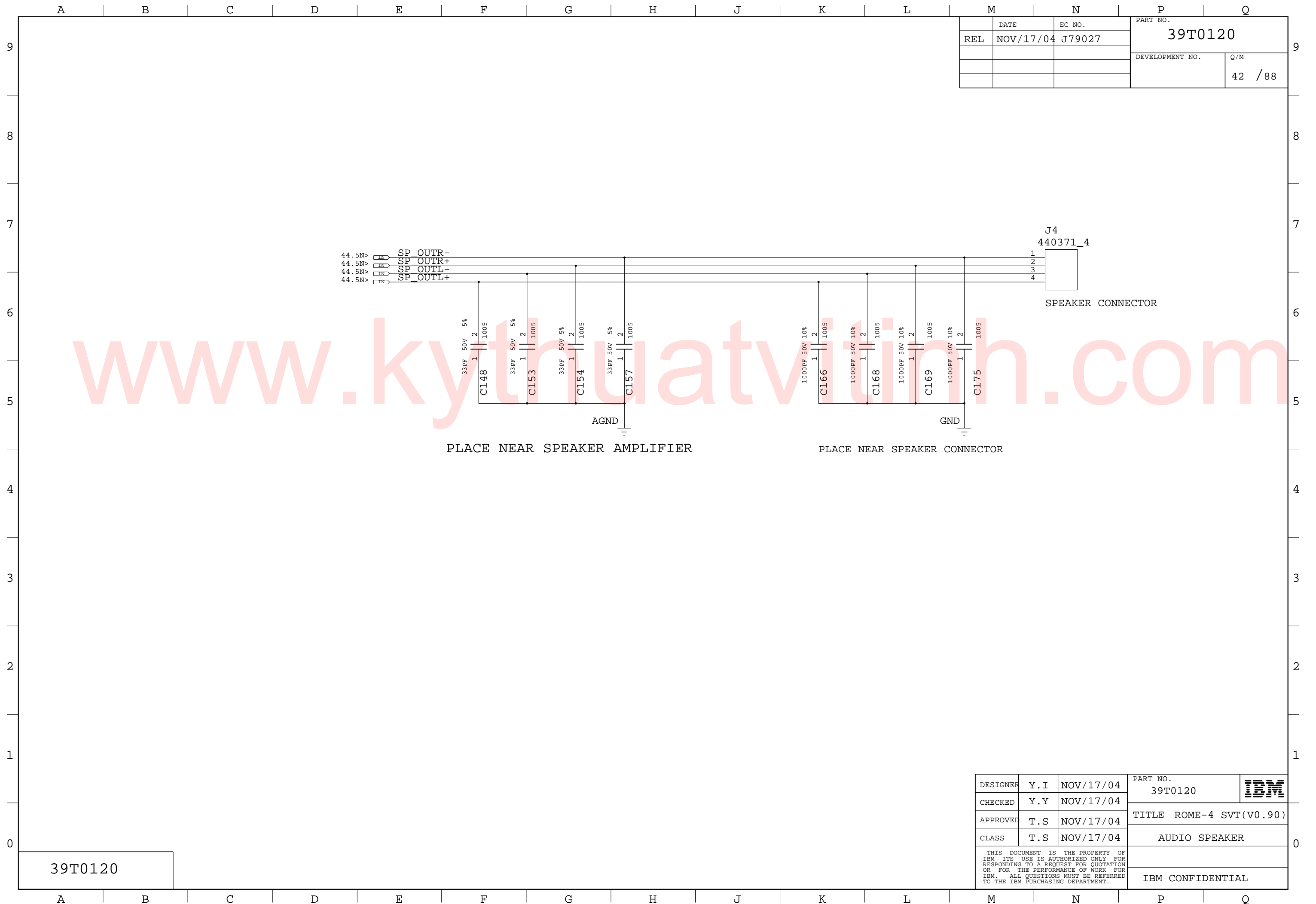


PLACE NEAR MAX4401  
PWR AND GND PIN  
100 1/16W 5%

NEAR EXT MIC CONN

39T0120

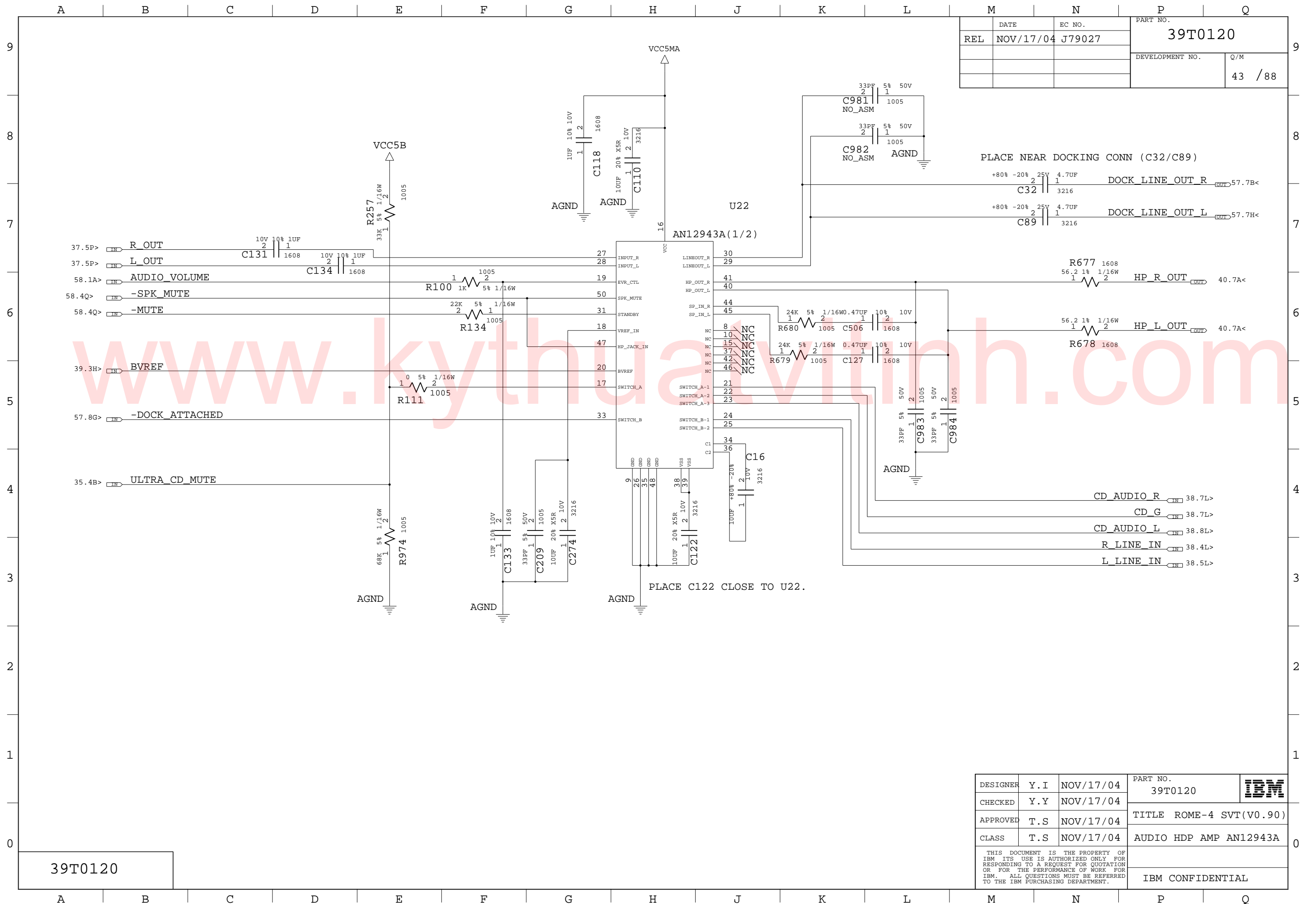
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CHECKED	Y.Y	NOV/17/04			
APPROVED	T.S	NOV/17/04	TITLE ROME-4 SVT(V0.90)		
CLASS	T.S	NOV/17/04	AUDIO EXT MIC AMP		
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REL	NOV/17/04	J79027	39T0120	
			DEVELOPMENT NO.	Q/M
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CLASS	T. S	NOV/17/04	AUDIO SPEAKER		
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REL				DEVELOPMENT NO.	Q/M
					43 / 88

PLACE NEAR DOCKING CONN (C32/C89)

+80% -20% 25V 4.7UF DOCK LINE OUT R (OUT) 57.7B<

+80% -20% 25V 4.7UF DOCK LINE OUT L (OUT) 57.7H<

HP R OUT (OUT) 40.7A<

HP L OUT (OUT) 40.7A<

CD AUDIO R (IN) 38.7L>

CD G (IN) 38.7L>

CD AUDIO L (IN) 38.8L>

R LINE IN (IN) 38.4L>

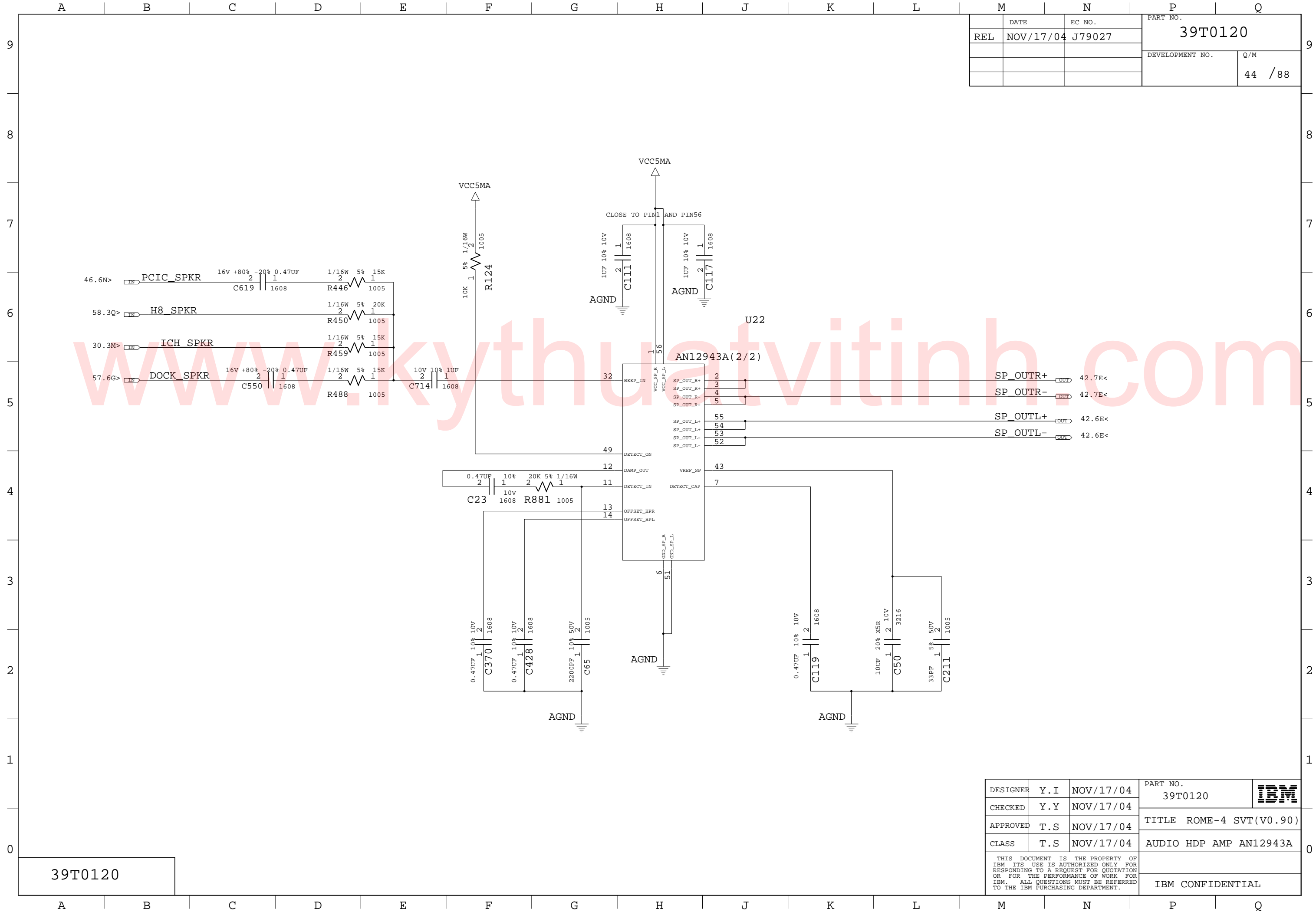
L LINE IN (IN) 38.5L>

PLACE C122 CLOSE TO U22.

39T0120

DESIGNER	Y.I	NOV/17/04	PART NO.	39T0120	
CHECKED	Y.Y	NOV/17/04	TITLE	ROME-4 SVT(V0.90)	
APPROVED	T.S	NOV/17/04	CLASS	AUDIO HDP AMP AN12943A	
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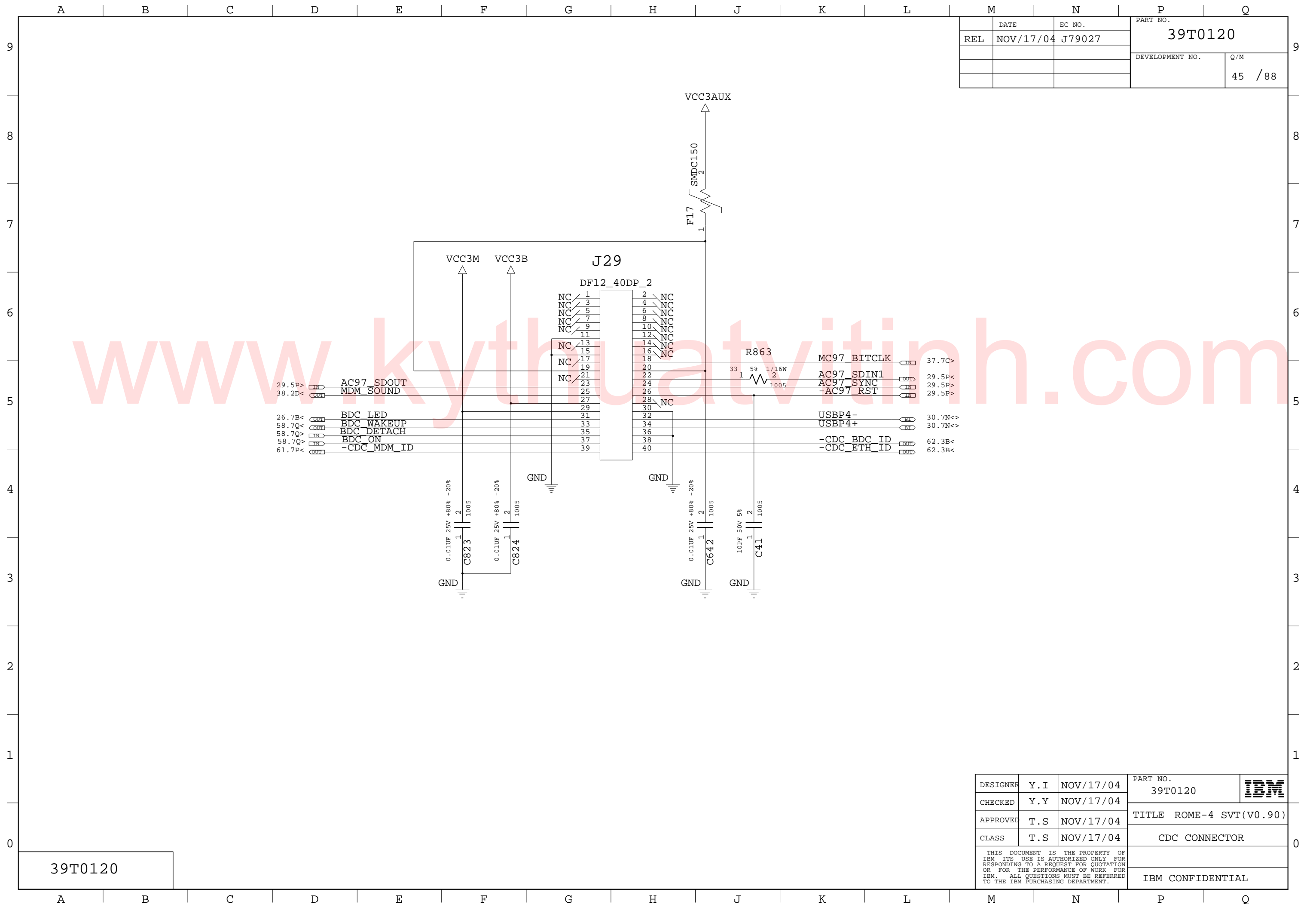
	DATE	EC NO.	PART NO.	
REL	NOV/17/04	J79027	39T0120	
			DEVELOPMENT NO.	Q/M
				44 / 88



39T0120

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CHECKED	Y.Y	NOV/17/04			
APPROVED	T.S	NOV/17/04	TITLE ROME-4 SVT(V0.90)		
CLASS	T.S	NOV/17/04	AUDIO HDP AMP AN12943A		
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			DEVELOPMENT NO.	Q/M
				45 / 88

39T0120

DESIGNER	Y.I	NOV/17/04	PART NO.	39T0120	
CHECKED	Y.Y	NOV/17/04			
APPROVED	T.S	NOV/17/04	TITLE ROME-4 SVT(V0.90)		
CLASS	T.S	NOV/17/04	CDC CONNECTOR		
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REL	DATE	EC NO.	PART NO.
	NOV/17/04	J79027	39T0120
			DEVELOPMENT NO.
			Q/M
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	N-1394	Y-1394
U20	R5C821	R5C851
FL6	NO-ASM	ASM
C943	NO-ASM	ASM
C945	NO-ASM	ASM
R399	NO-ASM	ASM
C942	NO-ASM	ASM
R944	NO-ASM	ASM
C256	NO-ASM	ASM
R946	NO-ASM	ASM
R947	NO-ASM	ASM
R949	NO-ASM	ASM
R950	NO-ASM	ASM
C949	NO-ASM	ASM
R948	NO-ASM	ASM
C946	NO-ASM	ASM
C951	NO-ASM	ASM
J20	NO-ASM	ASM
C944	NO-ASM	ASM
R945	NO-ASM	ASM
Y7	NO-ASM	ASM
C947	NO-ASM	ASM
C948	NO-ASM	ASM
R948	NO-ASM	ASM

LOGIC

PAGE 62

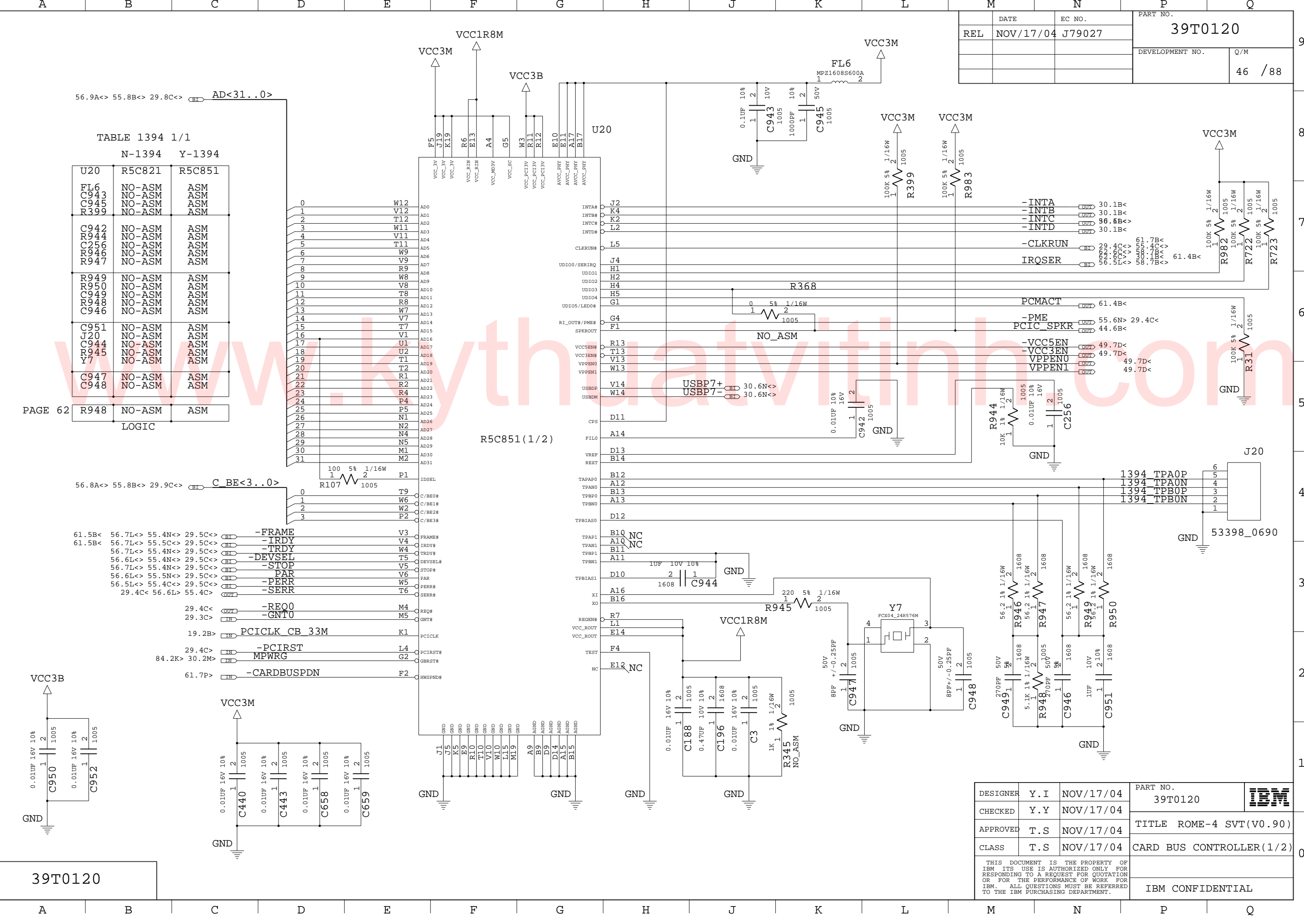


TABLE 1394 2/1

	N-1394	Y-1394
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FL6	NO-ASM	ASM
C943	NO-ASM	ASM
C945	NO-ASM	ASM
R399	NO-ASM	ASM
C942	NO-ASM	ASM
R944	NO-ASM	ASM
C256	NO-ASM	ASM
R946	NO-ASM	ASM
R947	NO-ASM	ASM
R949	NO-ASM	ASM
R950	NO-ASM	ASM
C949	NO-ASM	ASM
R948	NO-ASM	ASM
C946	NO-ASM	ASM
C951	NO-ASM	ASM
J20	NO-ASM	ASM
C944	NO-ASM	ASM
R945	NO-ASM	ASM
Y7	NO-ASM	ASM
C947	NO-ASM	ASM
C948	NO-ASM	ASM
R948	NO-ASM	ASM

LOGIC

TABLE 1394 3/1

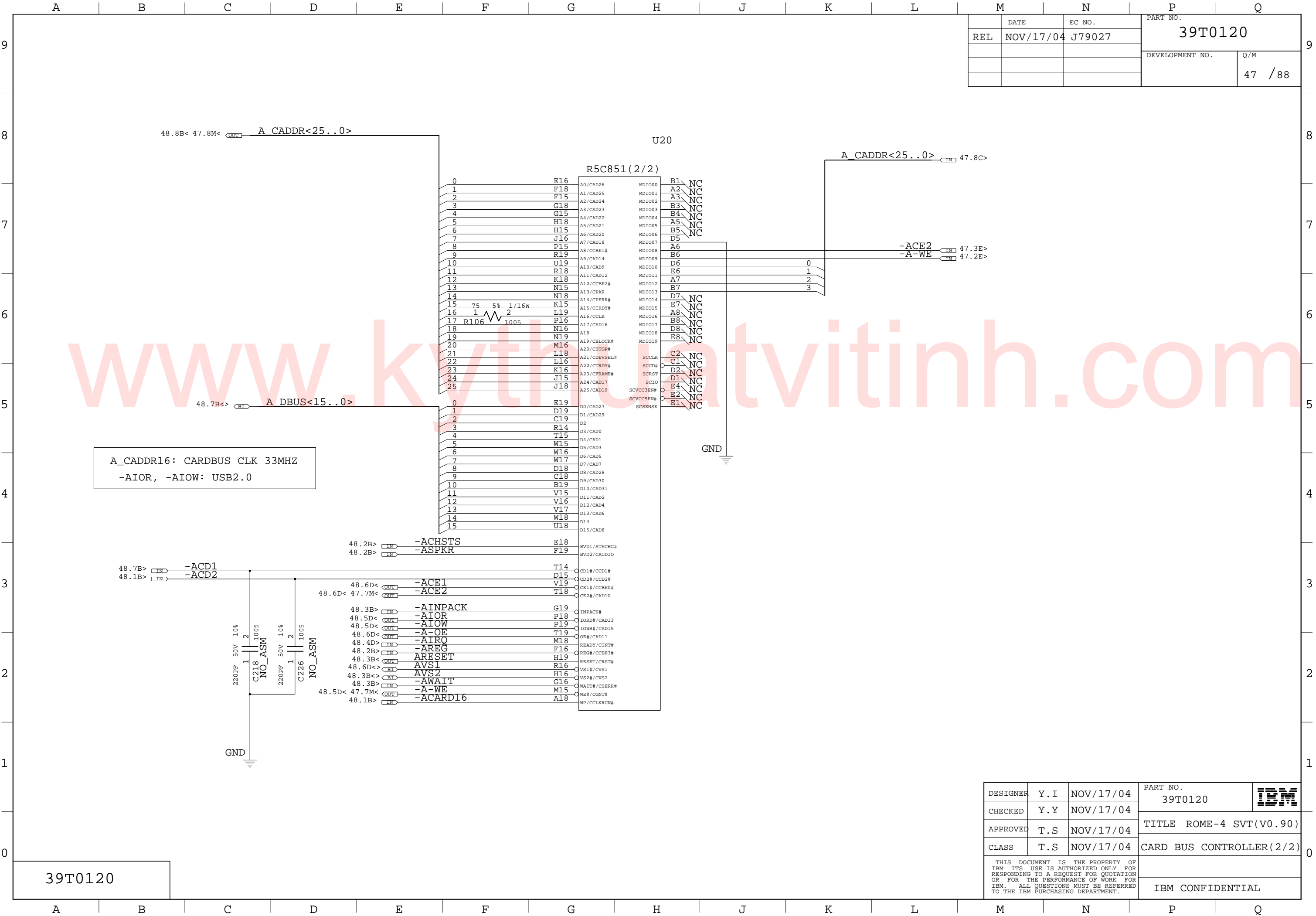
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FL6	NO-ASM	ASM
C943	NO-ASM	ASM
C945	NO-ASM	ASM
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C942	NO-ASM	ASM
R944	NO-ASM	ASM
C256	NO-ASM	ASM
R946	NO-ASM	ASM
R947	NO-ASM	ASM
R949	NO-ASM	ASM
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J20	NO-ASM	ASM
C944	NO-ASM	ASM
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C947	NO-ASM	ASM
C948	NO-ASM	ASM
R948	NO-ASM	ASM

LOGIC

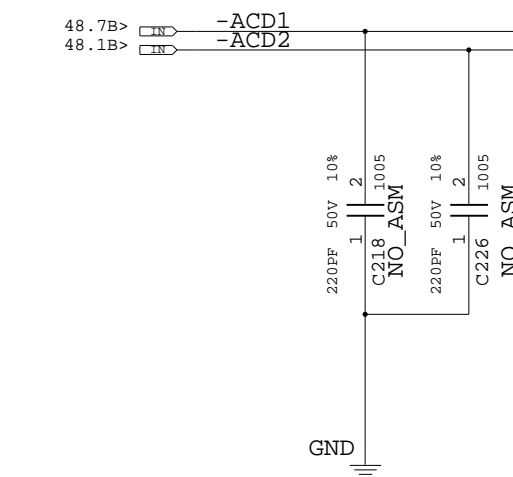
39T0120

DESIGNER	Y.I	NOV/17/04	PART NO.	39T0120	
CHECKED	Y.Y	NOV/17/04	TITLE	ROME-4 SVT(V0.90)	
APPROVED	T.S	NOV/17/04	CLASS	CARD BUS CONTROLLER(1/2)	
CLASS	T.S	NOV/17/04	THIS DOCUMENT IS THE PROPERTY OF IBM ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR IBM. ALL QUESTIONS MUST BE REFERRED TO THE IBM PURCHASING DEPARTMENT.		
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			DEVELOPMENT NO. Q/M 47 / 88



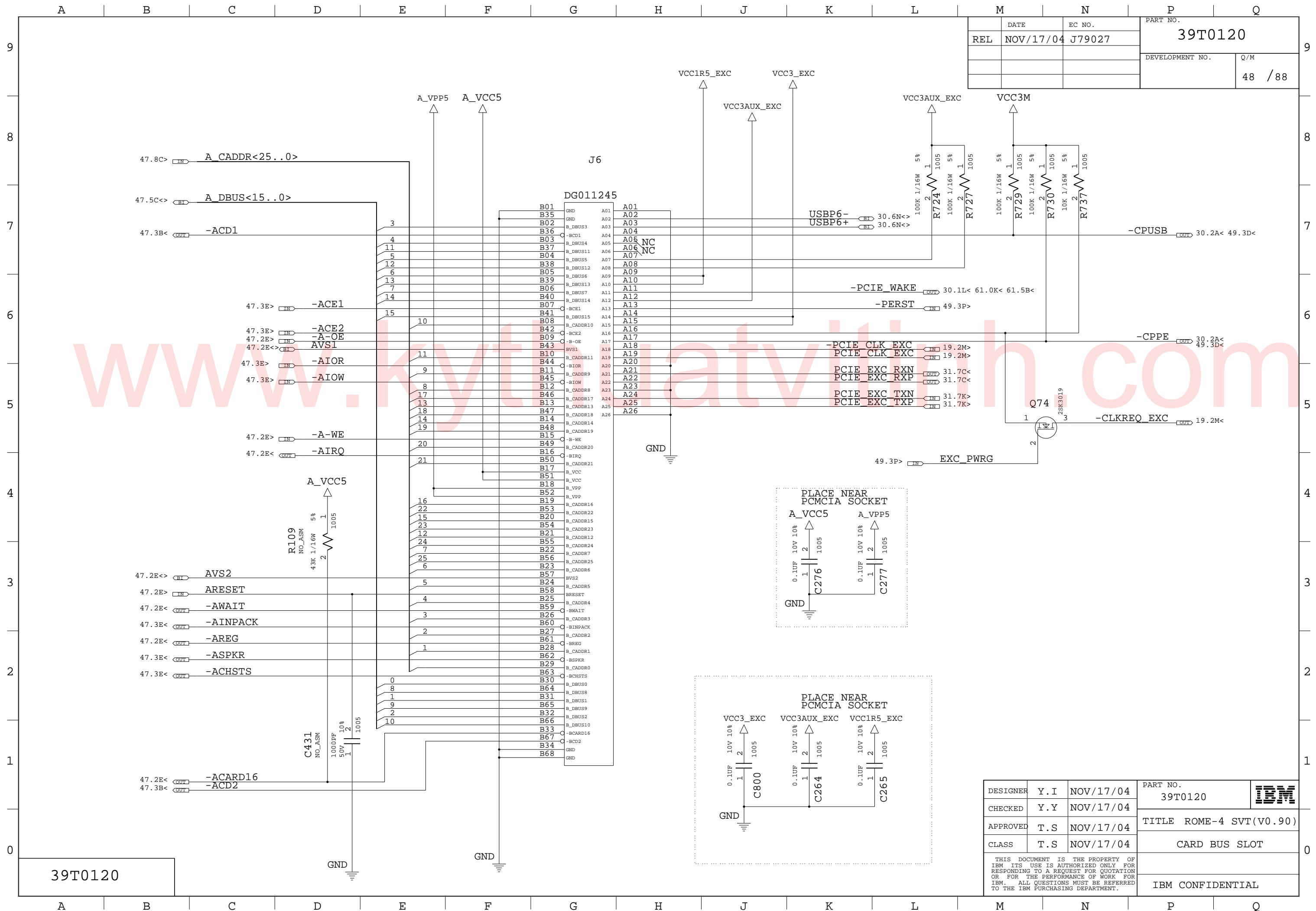
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-AIOR, -AIOW: USB2.0



- 48.2B> -ACHSTS E18
- 48.2B> -ASPKR F19
- 48.6D< -ACE1 D15
- 47.7M< -ACE2 V19
- 48.3B> -AINPACK G19
- 48.5D< -AIOR P18
- 48.5D< -AIOW P19
- 48.6D< -A-OE T19
- 48.4D> -AIRO M18
- 48.2B> -AREG F16
- 48.3B> -ARESET H19
- 48.6D< AVS1 R16
- 48.3B> AVS2 H16
- 48.3B> -AWAIT G16
- 47.7M< -A-WE M15
- 48.1B> -ACARD16 A18

39T0120

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CHECKED	Y.Y	NOV/17/04	TITLE ROME-4 SVT(V0.90)	
APPROVED	T.S	NOV/17/04	CLASS CARD BUS CONTROLLER(2/2)	
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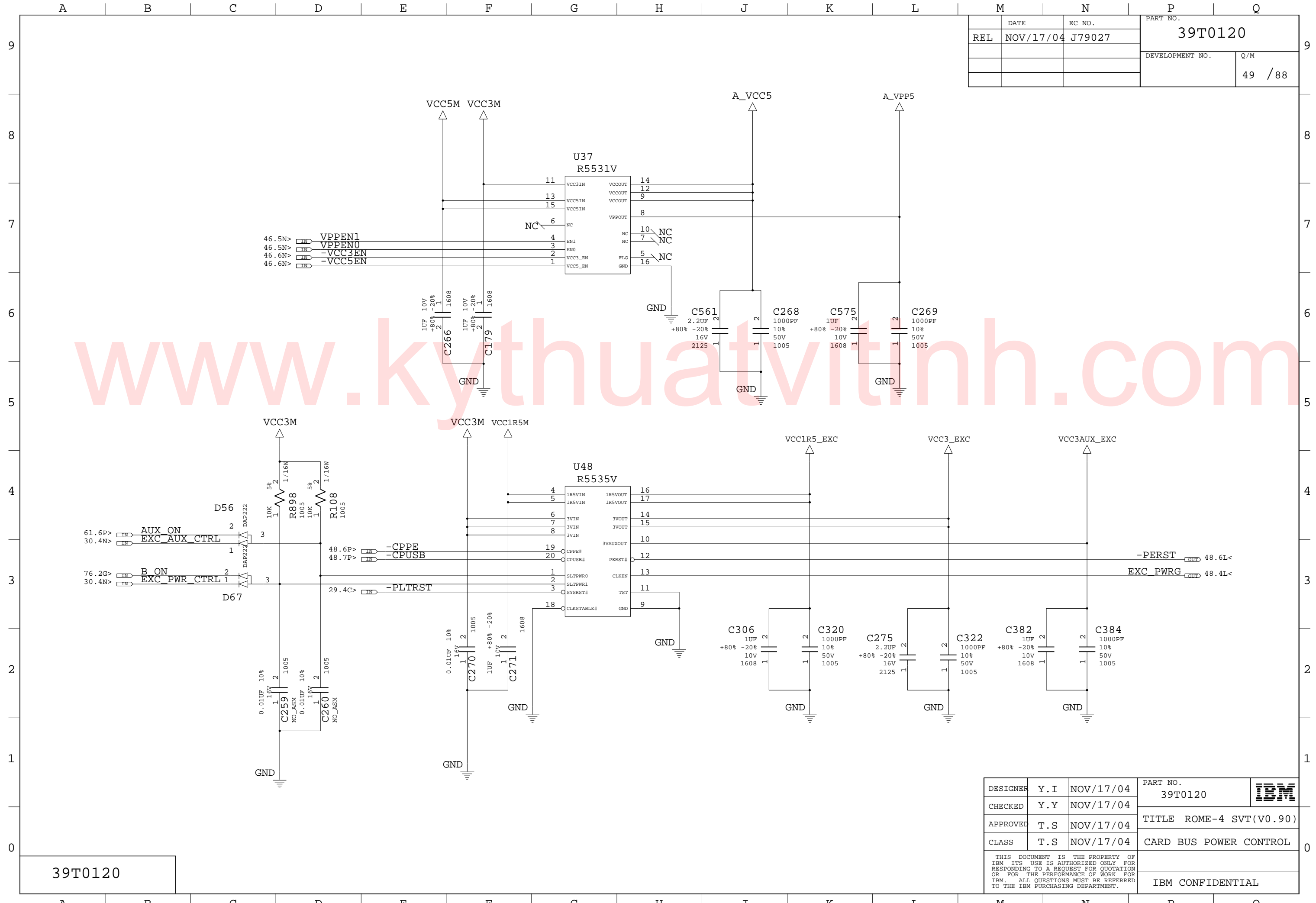


REL	DATE	EC NO.	PART NO.
	NOV/17/04	J79027	39T0120
			DEVELOPMENT NO.
			Q/M
			48 / 88

DESIGNER	Y.I	NOV/17/04	PART NO.	39T0120	IBM
CHECKED	Y.Y	NOV/17/04			
APPROVED	T.S	NOV/17/04	TITLE ROME-4 SVT(V0.90)		
CLASS	T.S	NOV/17/04	CARD BUS SLOT		
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DATE	NOV/17/04	EC NO.	J79027	PART NO.	39T0120
REL				DEVELOPMENT NO.	49 / 88
				Q/M	

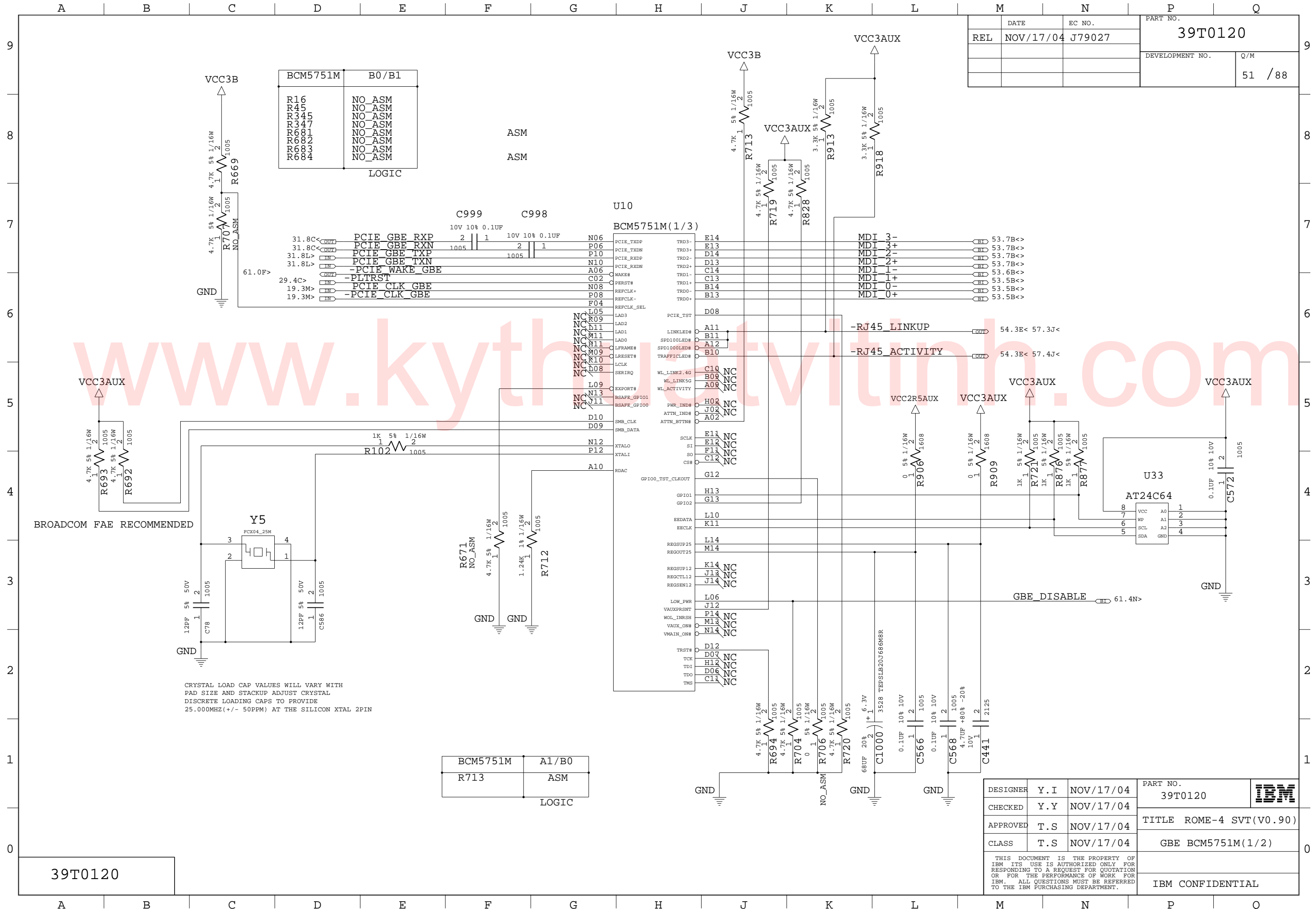


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CHECKED	Y.Y	NOV/17/04			
APPROVED	T.S	NOV/17/04	TITLE		ROME-4 SVT(V0.90)
CLASS	T.S	NOV/17/04	CARD BUS POWER CONTROL		
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REL	DATE	EC NO.	PART NO.
	NOV/17/04	J79027	39T0120
			DEVELOPMENT NO.
			Q/M
			51 / 88

BCM5751M	B0/B1
R16	NO_ASM
R45	NO_ASM
R345	NO_ASM
R347	NO_ASM
R681	NO_ASM
R682	NO_ASM
R683	NO_ASM
R684	NO_ASM
LOGIC	

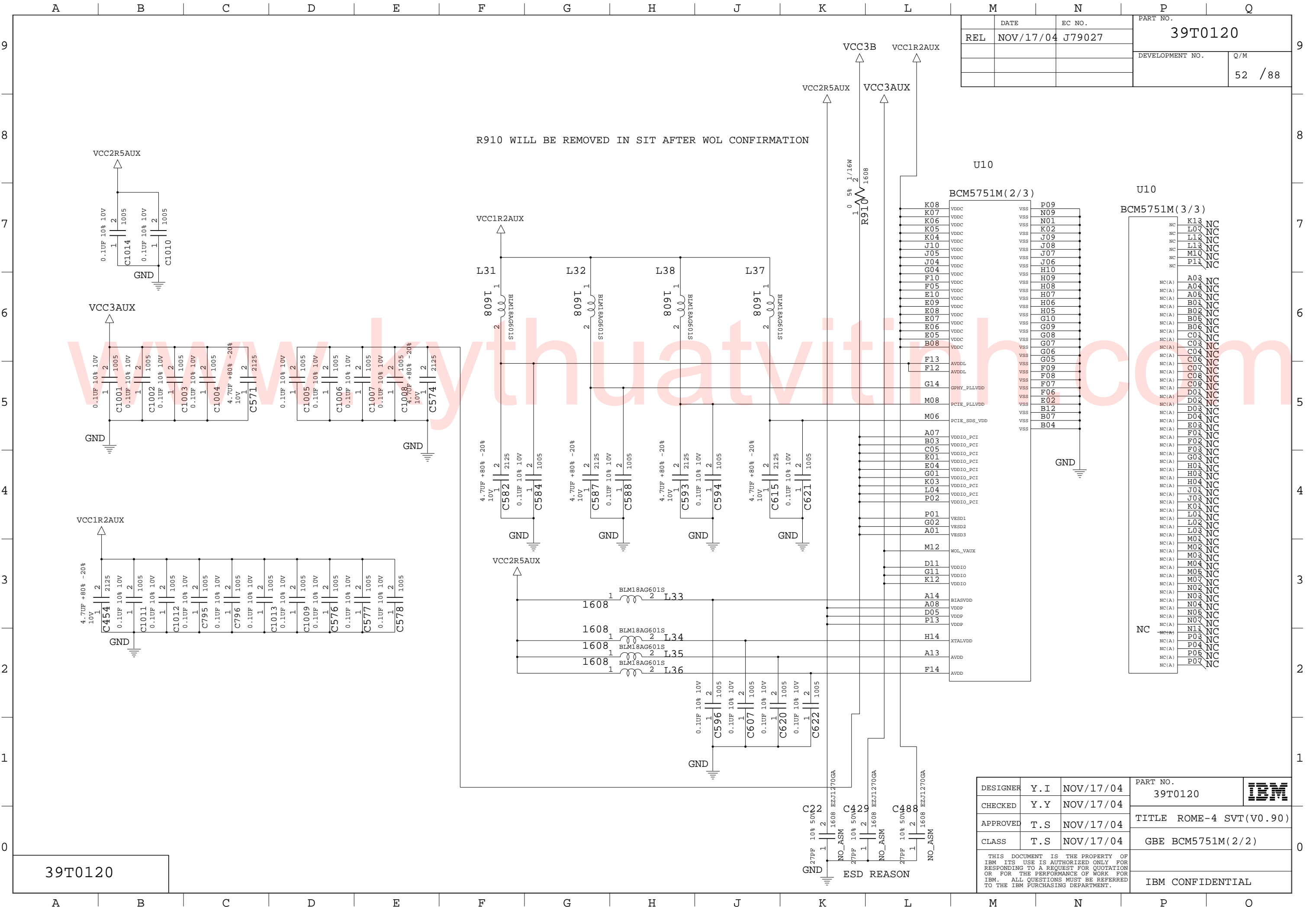
BCM5751M	A1/B0
R713	ASM
LOGIC	

CRYSTAL LOAD CAP VALUES WILL VARY WITH PAD SIZE AND STACKUP ADJUST CRYSTAL DISCRETE LOADING CAPS TO PROVIDE 25.000MHZ(+/- 50PPM) AT THE SILICON XTAL 2PIN

BROADCOM FAE RECOMMENDED

39T0120

DESIGNER	Y.I	NOV/17/04	PART NO.	39T0120	IBM
CHECKED	Y.Y	NOV/17/04	TITLE		
APPROVED	T.S	NOV/17/04	CLASS	GBE BCM5751M(1/2)	
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DATE	NOV/17/04	EC NO.	J79027	PART NO.	39T0120
REL				DEVELOPMENT NO.	Q/M
					52 / 88

U10 BCM5751M(2/3)

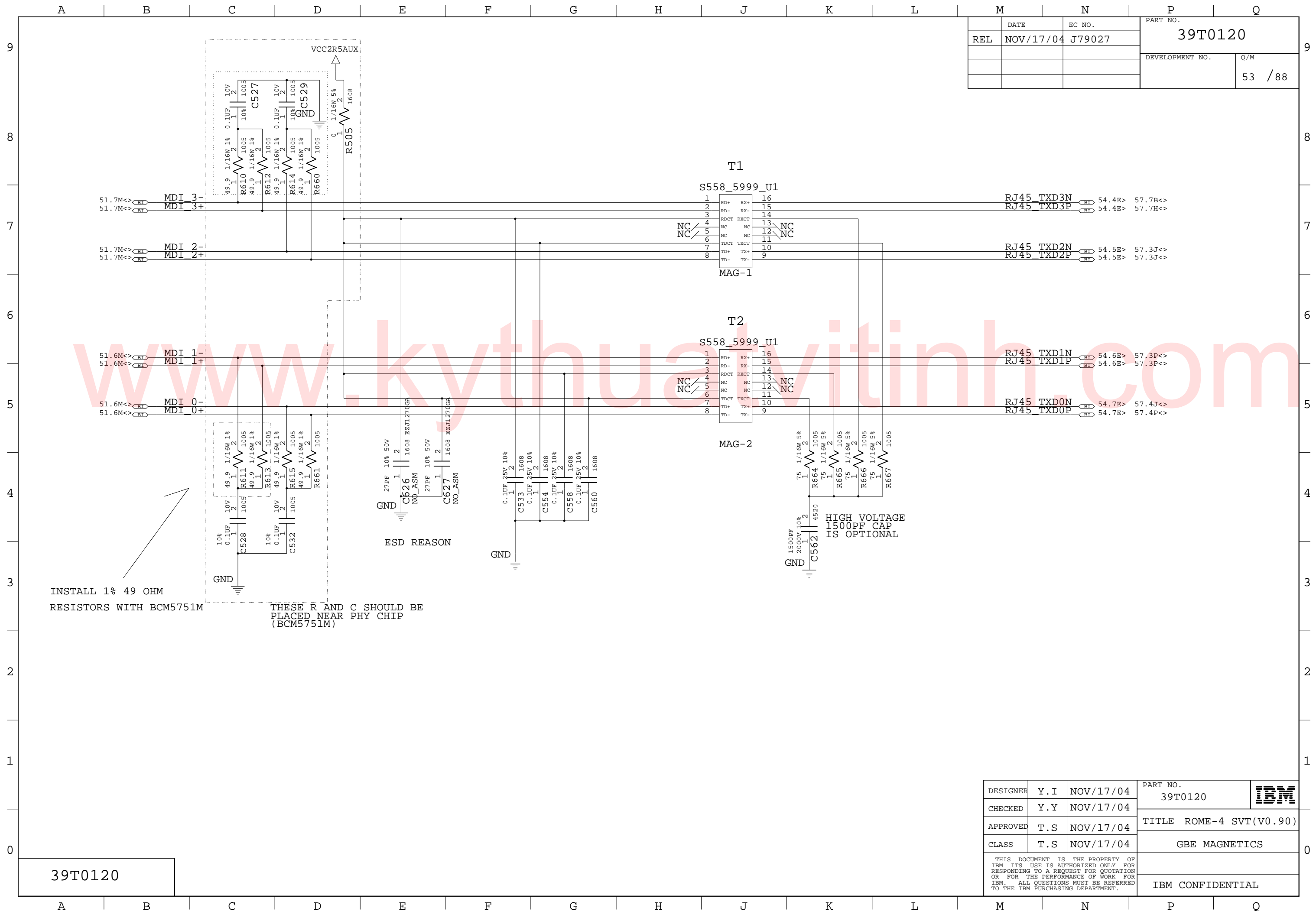
K08	VDDC	VSS	P09
K07	VDDC	VSS	N09
K06	VDDC	VSS	N01
K05	VDDC	VSS	K02
K04	VDDC	VSS	J09
J10	VDDC	VSS	J08
J05	VDDC	VSS	J07
J04	VDDC	VSS	J06
G04	VDDC	VSS	H10
F10	VDDC	VSS	H09
F05	VDDC	VSS	H08
E10	VDDC	VSS	H07
E09	VDDC	VSS	H06
E08	VDDC	VSS	H05
E07	VDDC	VSS	G10
E06	VDDC	VSS	G09
E05	VDDC	VSS	G08
B08	VDDC	VSS	G07
	VDDC	VSS	G06
	VDDC	VSS	G05
F13	AVDDL	VSS	F09
F12	AVDDL	VSS	F08
	PHY_PLLVDD	VSS	F07
	PHY_PLLVDD	VSS	F06
M08	PCIE_PLLVDD	VSS	E02
	PCIE_PLLVDD	VSS	D02
M06	PCIE_SDS_VDD	VSS	B12
	PCIE_SDS_VDD	VSS	B07
	PCIE_SDS_VDD	VSS	B04
	VSS	VSS	
A07	VDDIO_PCI	VSS	F01
B03	VDDIO_PCI	VSS	F02
C05	VDDIO_PCI	VSS	F03
E01	VDDIO_PCI	VSS	G03
E04	VDDIO_PCI	VSS	H01
G01	VDDIO_PCI	VSS	H03
L04	VDDIO_PCI	VSS	H04
P02	VDDIO_PCI	VSS	J01
	VDDIO_PCI	VSS	J03
	VDDIO_PCI	VSS	K01
P01	VESD1	VSS	L01
G02	VESD2	VSS	L02
A01	VESD3	VSS	L03
	VESD3	VSS	M01
M12	WOL_VAUX	VSS	M02
	WOL_VAUX	VSS	M03
	WOL_VAUX	VSS	M04
D11	VDDIO	VSS	M05
G11	VDDIO	VSS	M07
K12	VDDIO	VSS	M02
	VDDIO	VSS	N02
	VDDIO	VSS	N03
A14	BIASVDD	VSS	N04
A08	VDDP	VSS	N04
D05	VDDP	VSS	N05
P13	VDDP	VSS	N07
	VDDP	VSS	N07
	VDDP	VSS	N07
H14	XTALVDD	VSS	N11
A13	AVDD	VSS	P03
F14	AVDD	VSS	P04
	AVDD	VSS	P05
	AVDD	VSS	P07
	AVDD	VSS	P07

U10 BCM5751M(3/3)

NC	K13	NC
NC	L07	NC
NC	L12	NC
NC	L13	NC
NC	M10	NC
NC	P11	NC
NC(A)	A03	NC
NC(A)	A04	NC
NC(A)	A05	NC
NC(A)	B01	NC
NC(A)	B02	NC
NC(A)	B05	NC
NC(A)	B06	NC
NC(A)	C01	NC
NC(A)	C03	NC
NC(A)	C04	NC
NC(A)	C06	NC
NC(A)	C07	NC
NC(A)	C08	NC
NC(A)	C09	NC
NC(A)	D01	NC
NC(A)	D02	NC
NC(A)	D03	NC
NC(A)	D04	NC
NC(A)	E03	NC
NC(A)	F01	NC
NC(A)	F02	NC
NC(A)	F03	NC
NC(A)	G03	NC
NC(A)	H01	NC
NC(A)	H03	NC
NC(A)	H04	NC
NC(A)	J01	NC
NC(A)	J03	NC
NC(A)	K01	NC
NC(A)	L01	NC
NC(A)	L02	NC
NC(A)	L03	NC
NC(A)	M01	NC
NC(A)	M02	NC
NC(A)	M03	NC
NC(A)	M04	NC
NC(A)	M05	NC
NC(A)	M07	NC
NC(A)	N02	NC
NC(A)	N03	NC
NC(A)	N04	NC
NC(A)	N05	NC
NC(A)	N07	NC
NC(A)	N11	NC
NC(A)	P03	NC
NC(A)	P04	NC
NC(A)	P05	NC
NC(A)	P07	NC

DESIGNER	Y.I	NOV/17/04	PART NO.	39T0120	
CHECKED	Y.Y	NOV/17/04	TITLE	ROME-4 SVT(V0.90)	
APPROVED	T.S	NOV/17/04	CLASS	GBE BCM5751M(2/2)	
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	NOV/17/04	J79027	39T0120
			DEVELOPMENT NO.
			Q/M
			53 / 88

INSTALL 1% 49 OHM  
RESISTORS WITH BCM5751M

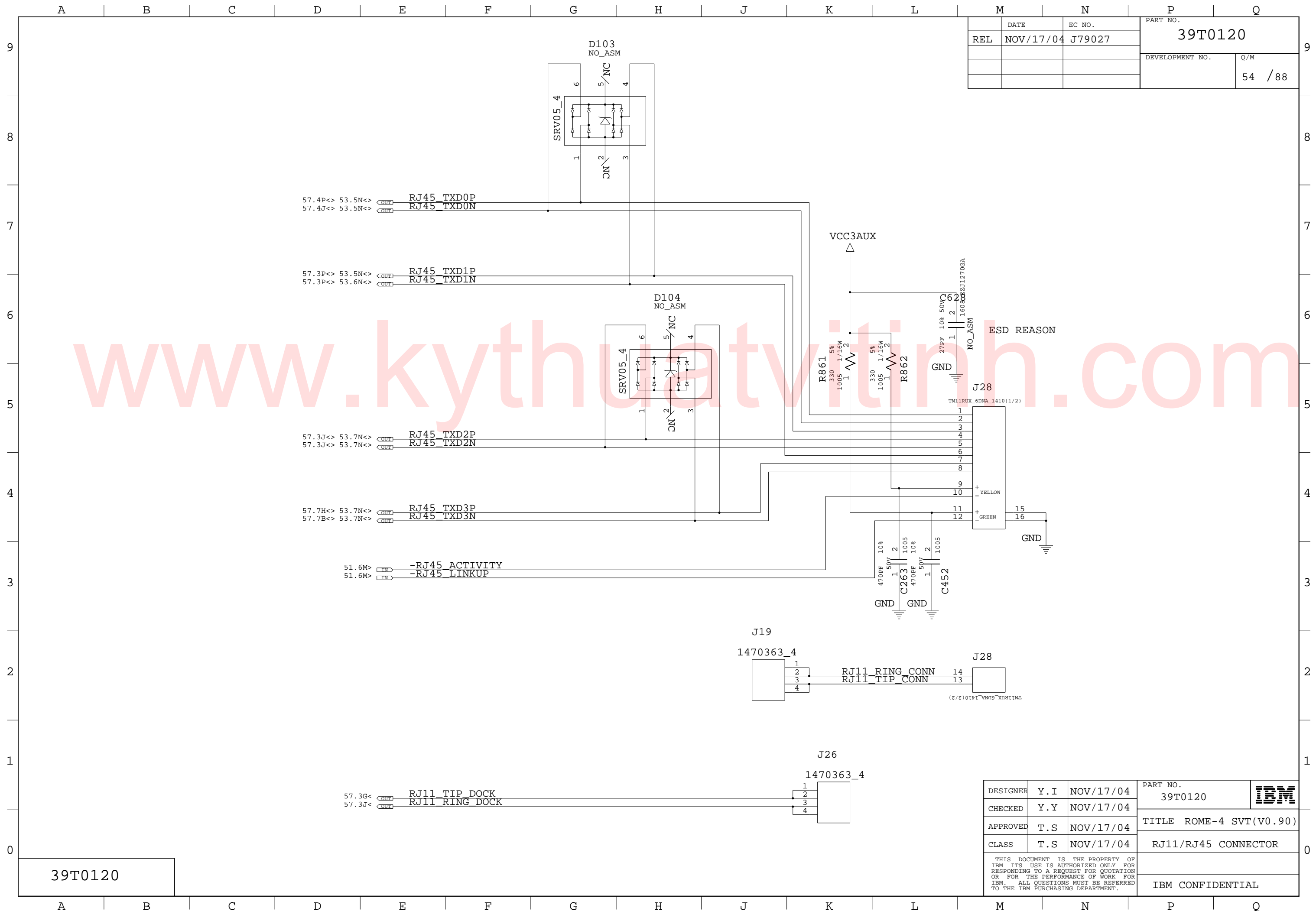
THESE R AND C SHOULD BE  
PLACED NEAR PHY CHIP  
(BCM5751M)

ESD REASON

HIGH VOLTAGE  
1500PF CAP  
IS OPTIONAL

39T0120

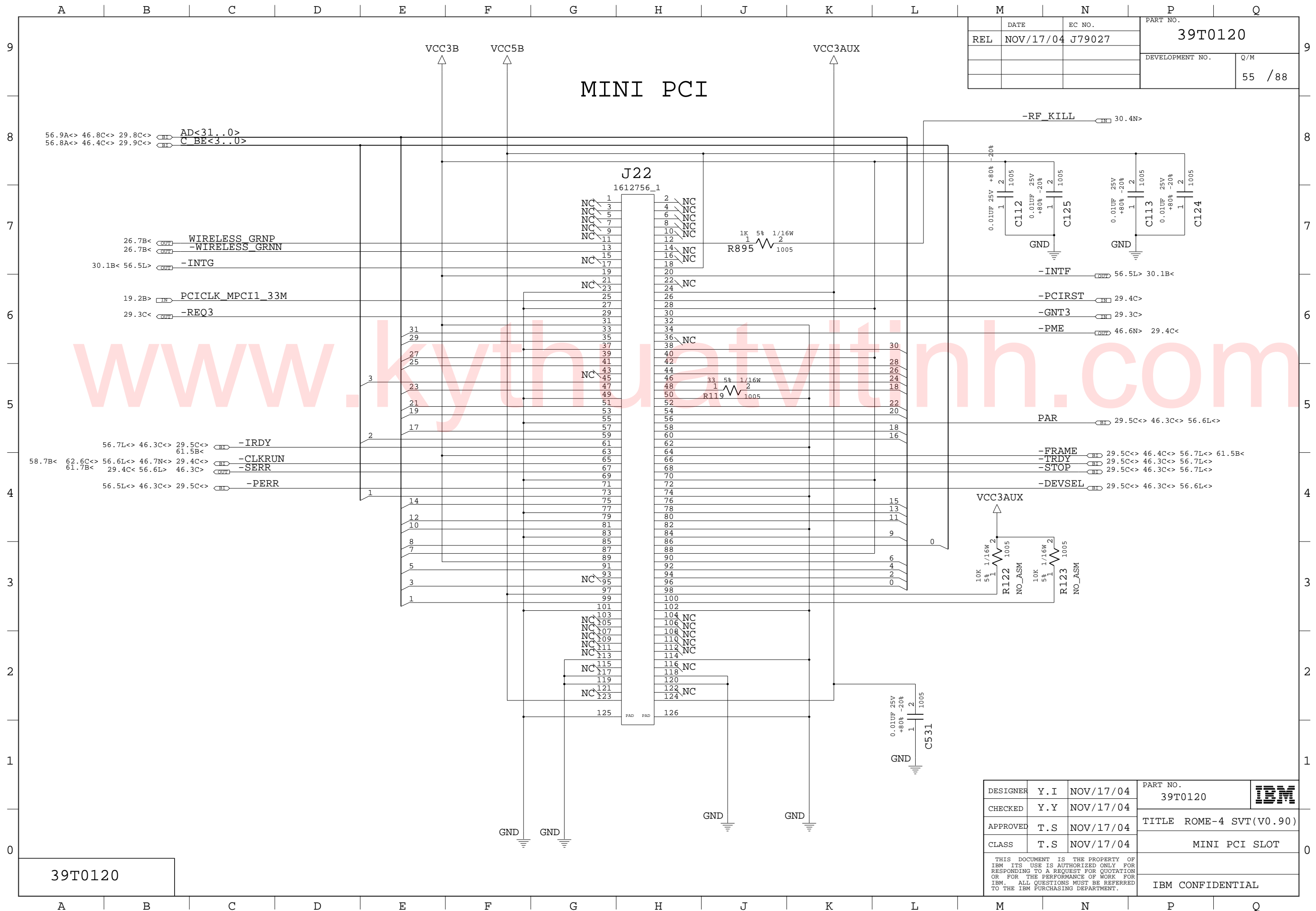
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CHECKED	Y.Y	NOV/17/04	39T0120	
APPROVED	T.S	NOV/17/04	TITLE ROME-4 SVT(V0.90)	
CLASS	T.S	NOV/17/04	GBE MAGNETICS	
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	NOV/17/04	J79027	39T0120
			DEVELOPMENT NO.
			Q/M
			54 / 88

39T0120

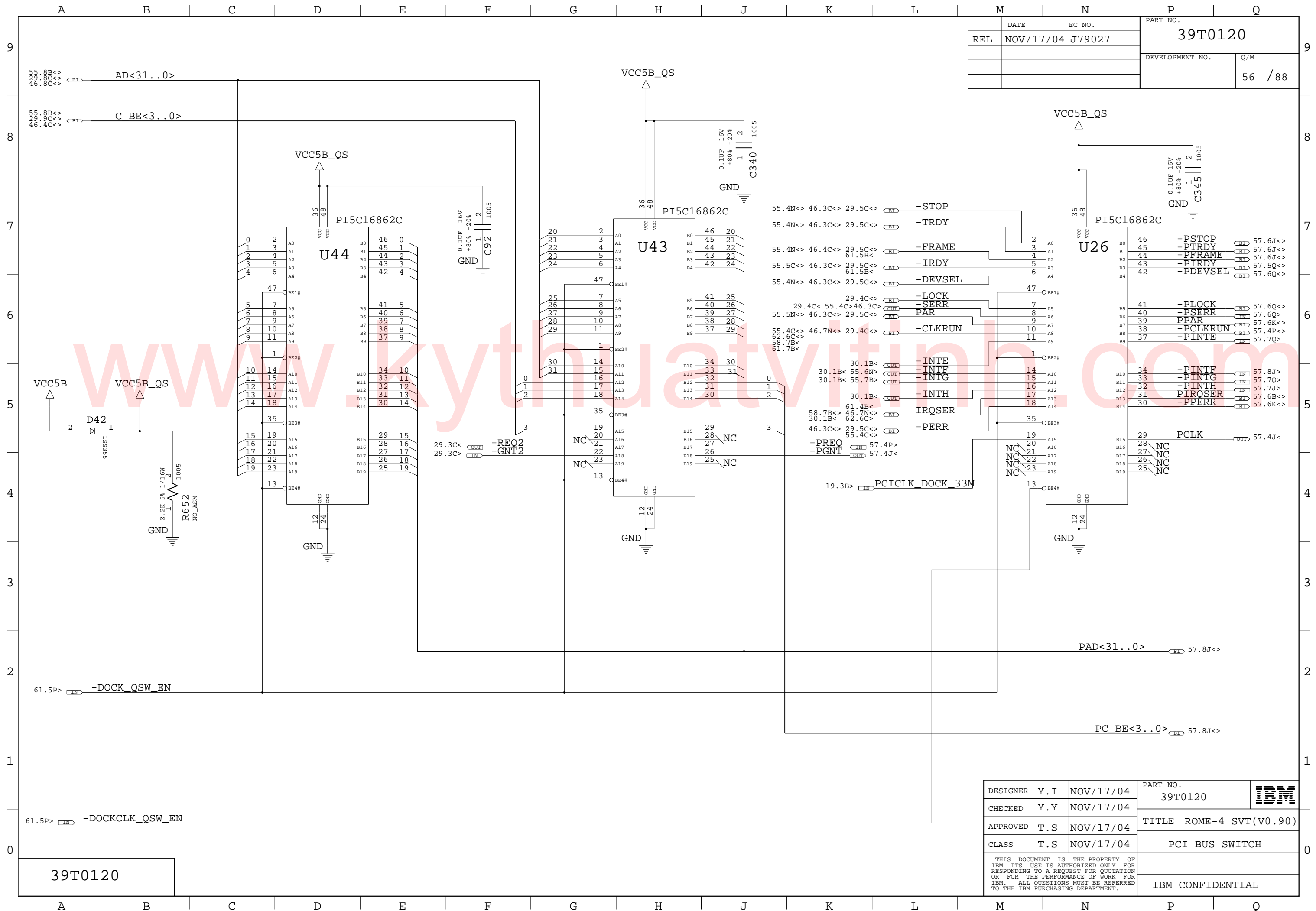
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CHECKED	Y.Y	NOV/17/04	39T0120	
APPROVED	T.S	NOV/17/04	TITLE ROME-4 SVT(V0.90)	
CLASS	T.S	NOV/17/04	RJ11/RJ45 CONNECTOR	
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	NOV/17/04	J79027	39T0120
			DEVELOPMENT NO.
			Q/M
			55 / 88

39T0120

DESIGNER	Y.I	NOV/17/04	PART NO.	39T0120	
CHECKED	Y.Y	NOV/17/04			
APPROVED	T.S	NOV/17/04	TITLE ROME-4 SVT(V0.90)		
CLASS	T.S	NOV/17/04	MINI PCI SLOT		
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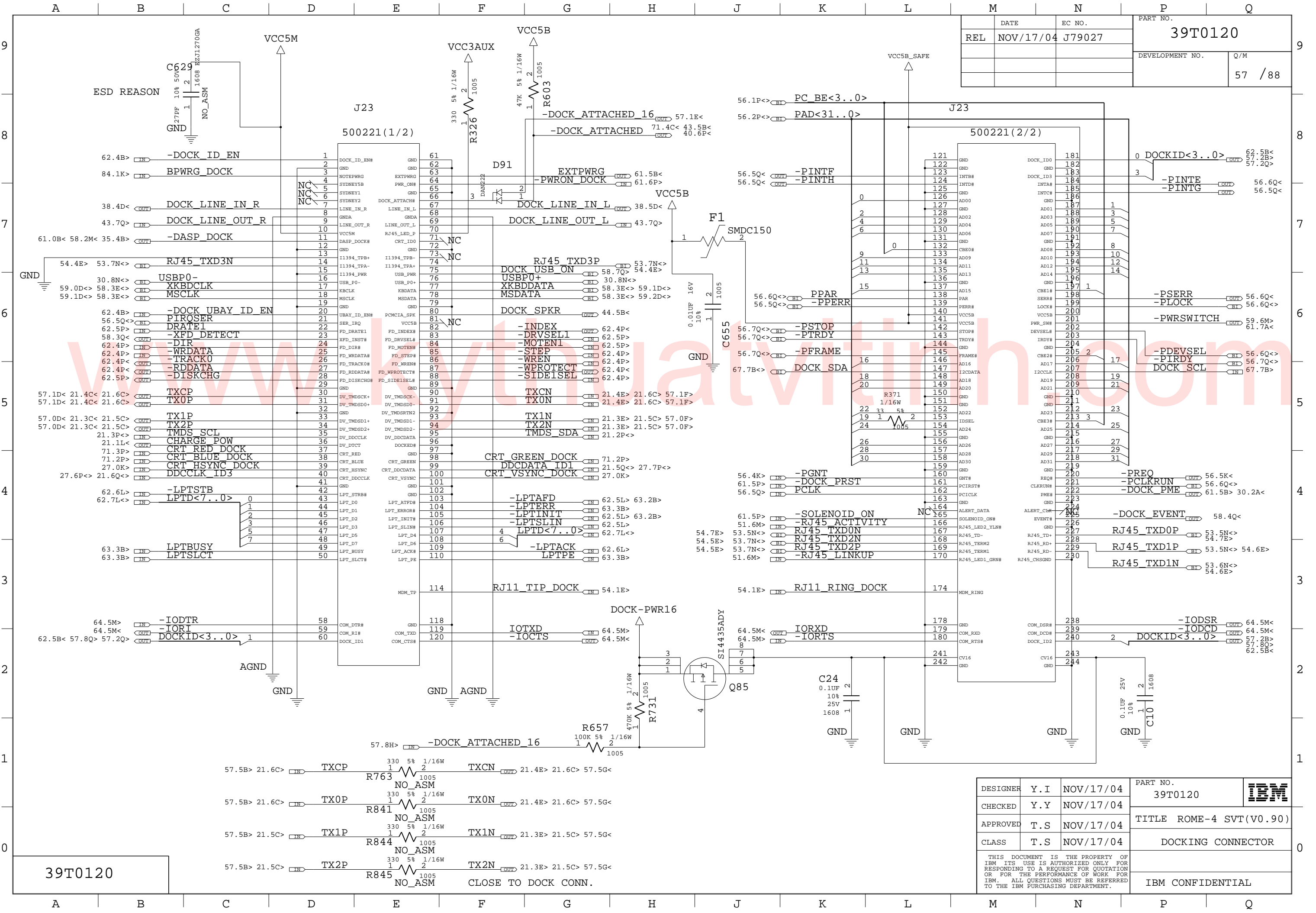
DATE	NOV/17/04	EC NO.	J79027	PART NO.	39T0120
REL				DEVELOPMENT NO.	56 / 88
				Q/M	

DESIGNER	Y.I	NOV/17/04	PART NO.	39T0120	<b>IBM</b>
CHECKED	Y.Y	NOV/17/04	TITLE ROME-4 SVT(V0.90)		
APPROVED	T.S	NOV/17/04	CLASS T.S NOV/17/04		PCI BUS SWITCH
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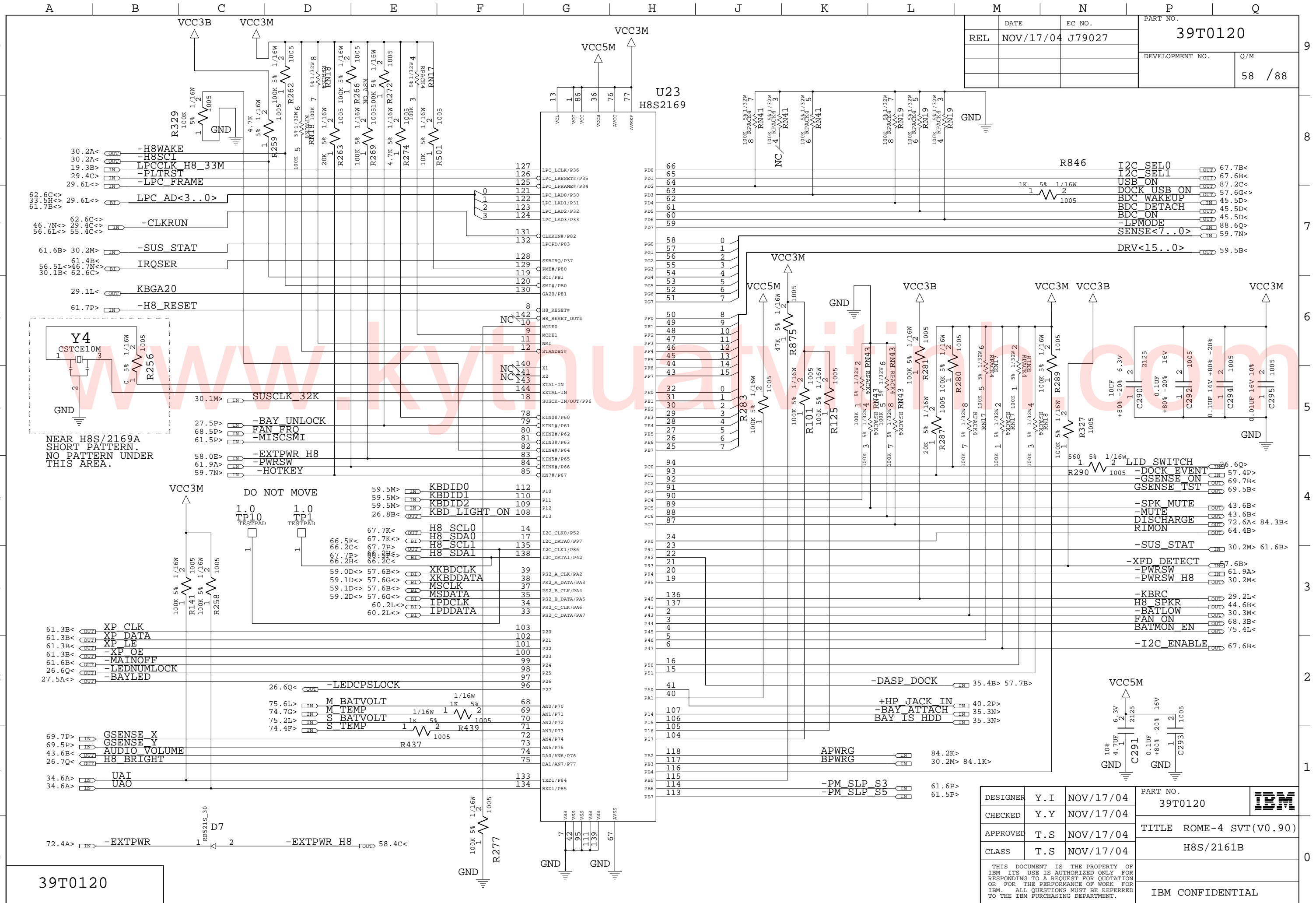
REL	DATE	EC NO.	PART NO.
	NOV/17/04	J79027	39T0120
			DEVELOPMENT NO. Q/M
			57 / 88



39T0120

DESIGNER	Y.I	NOV/17/04	PART NO.	39T0120	IBM
CHECKED	Y.Y	NOV/17/04	TITLE	ROME-4 SVT(V0.90)	
APPROVED	T.S	NOV/17/04	CLASS	DOCKING CONNECTOR	IBM CONFIDENTIAL
	T.S	NOV/17/04			

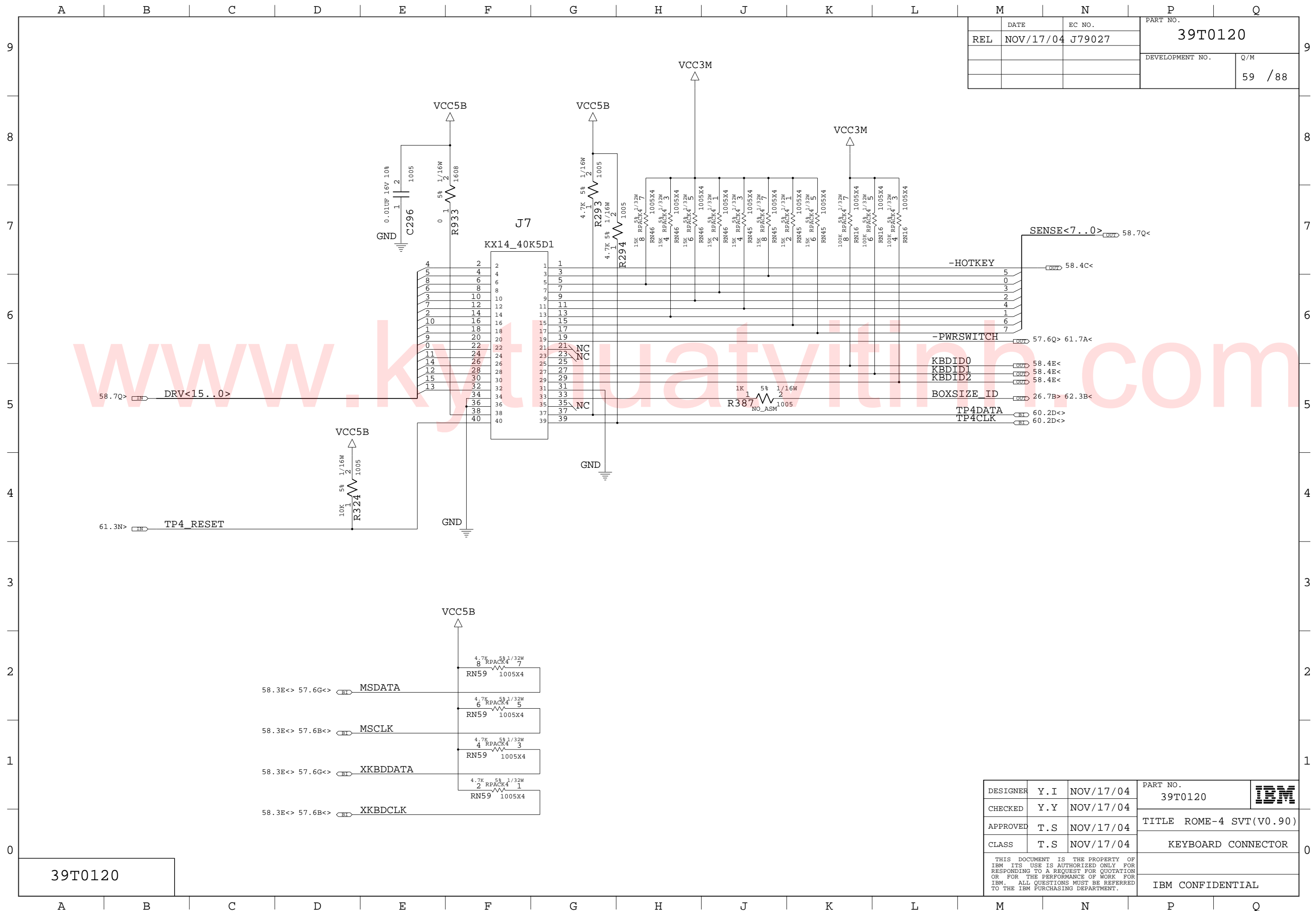
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REL	NOV/17/04	J79027	PART NO.	39T0120
			DEVELOPMENT NO.	58 / 88

39T0120

DESIGNER	Y.I	NOV/17/04	PART NO.	39T0120	
CHECKED	Y.Y	NOV/17/04	TITLE	ROME-4 SVT(V0.90)	
APPROVED	T.S	NOV/17/04	CLASS	H8S/2161B	
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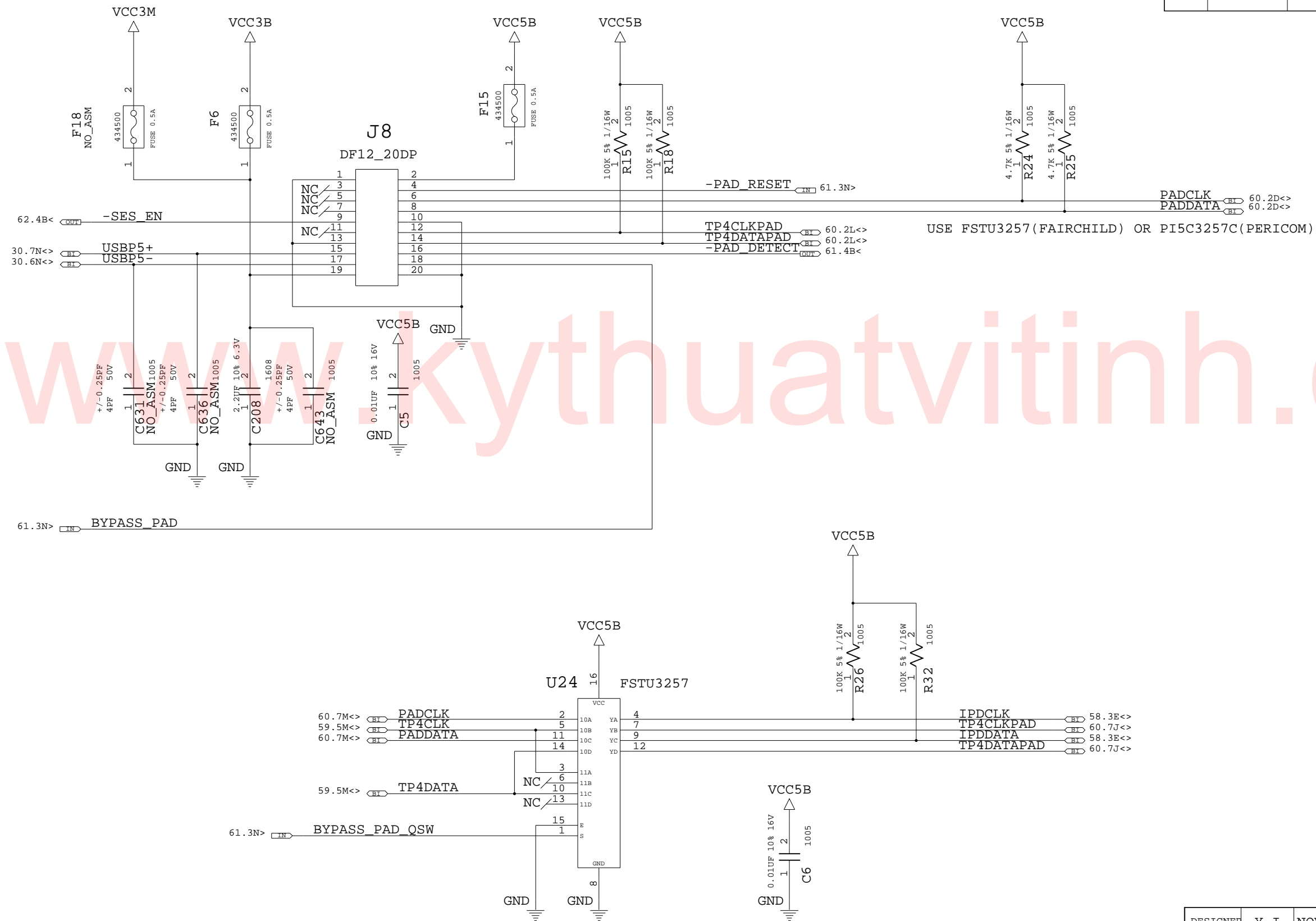


DATE	NOV/17/04	EC NO.	J79027	PART NO.	39T0120
REL				DEVELOPMENT NO.	59 / 88
				Q/M	

39T0120

DESIGNER	Y.I	NOV/17/04	PART NO.	39T0120	IBM
CHECKED	Y.Y	NOV/17/04	TITLE	ROME-4 SVT(V0.90)	
APPROVED	T.S	NOV/17/04	CLASS	KEYBOARD CONNECTOR	
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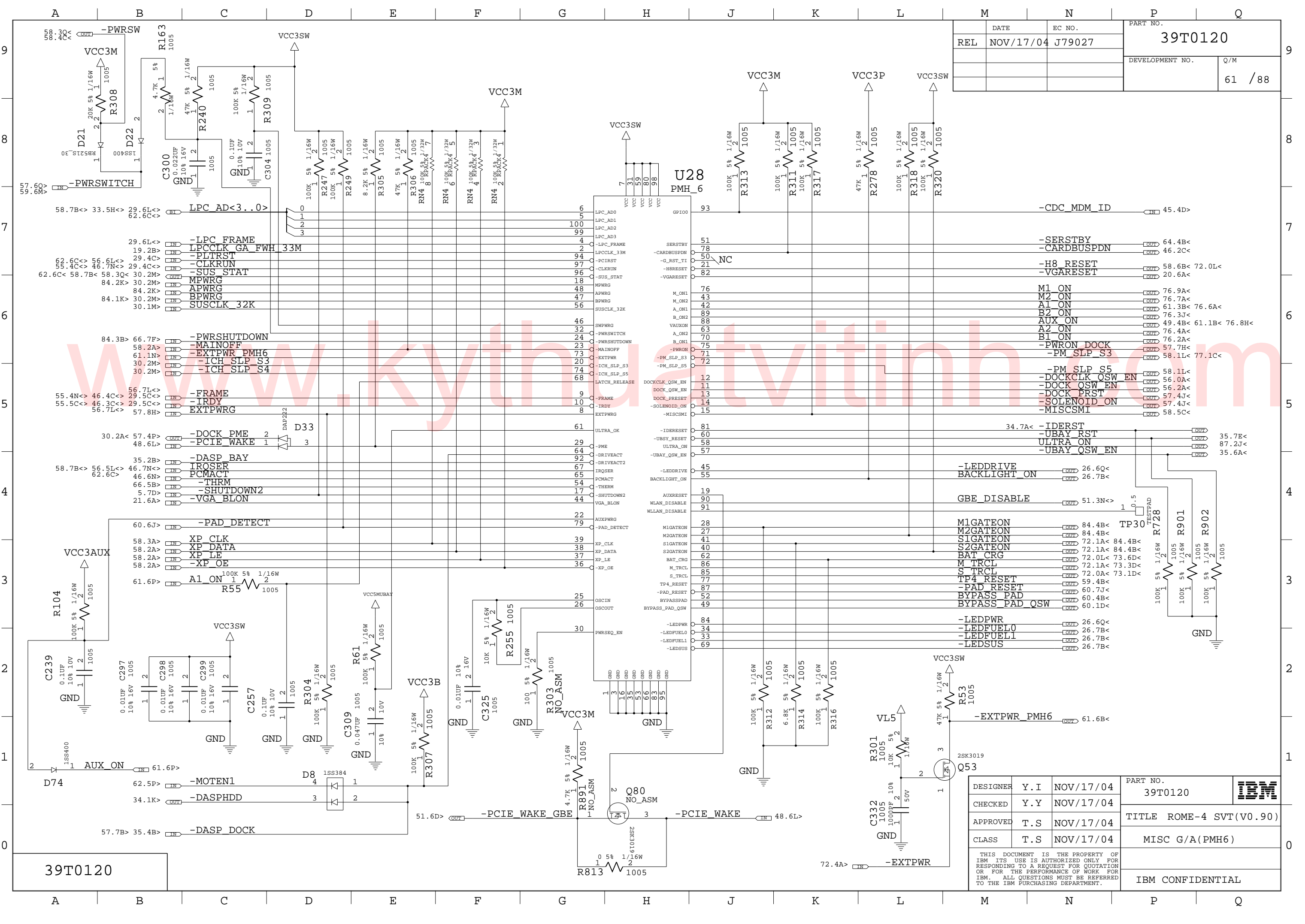
	DATE	EC NO.	PART NO.
REL	NOV/17/04	J79027	39T0120
			DEVELOPMENT NO.
			Q/M
			60 / 88



39T0120

DESIGNER	Y.I	NOV/17/04	PART NO.	IBM
CHECKED	Y.Y	NOV/17/04	39T0120	
APPROVED	T.S	NOV/17/04	TITLE	ROME-4 SVT(V0.90)
CLASS	T.S	NOV/17/04	TITLE	TOUCH PAD CONNECTOR
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DATE	EC NO.	PART NO.
NOV/17/04	J79027	39T0120
DEVELOPMENT NO.		Q/M
		61 / 88

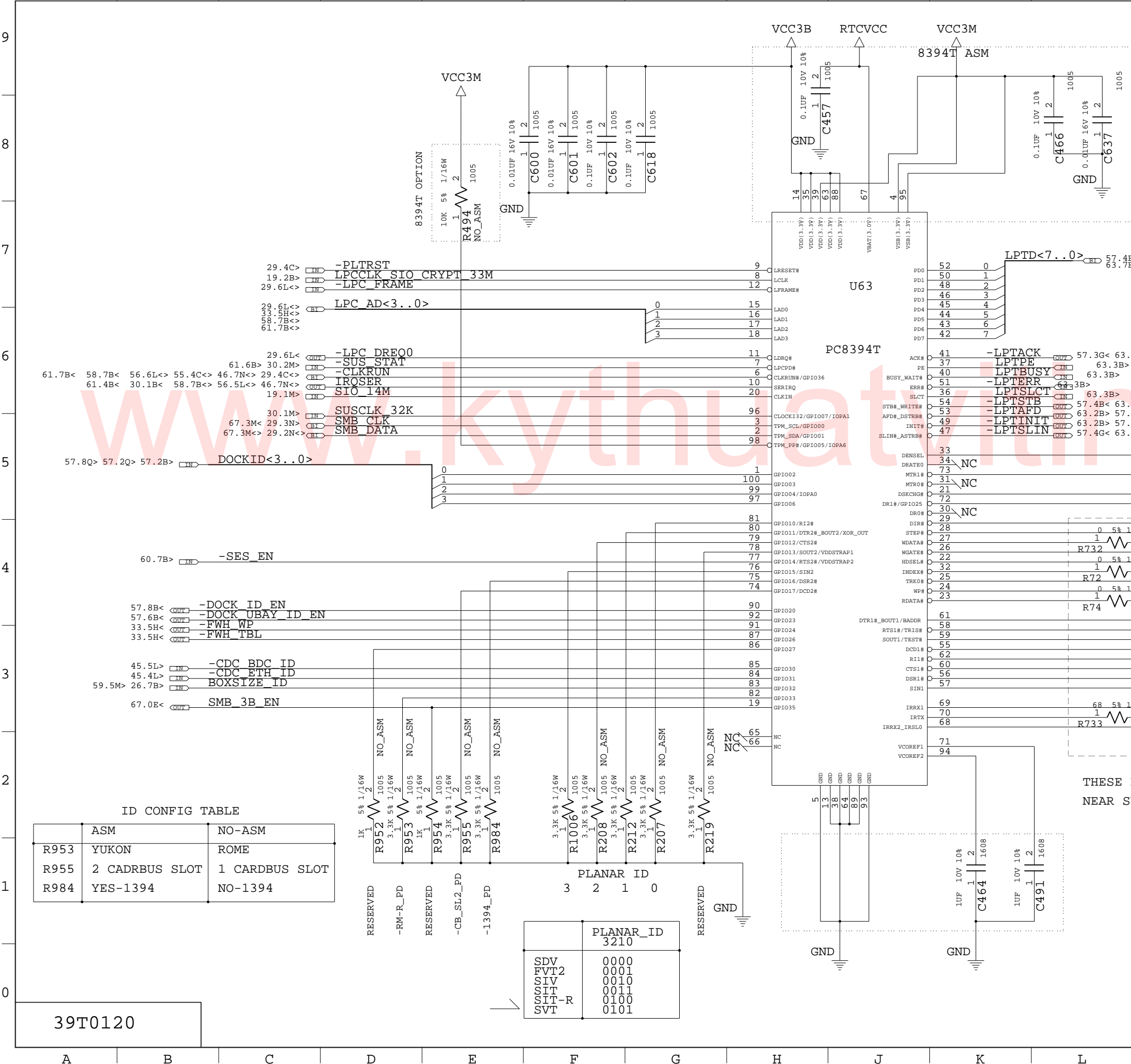
DESIGNER	Y.I	NOV/17/04	PART NO.	39T0120	
CHECKED	Y.Y	NOV/17/04	TITLE		
APPROVED	T.S	NOV/17/04	MISC G/A (PMH6)		
CLASS	T.S	NOV/17/04	IBM CONFIDENTIAL		

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REL	NOV/17/04	J79027	PART NO.	39T0120
			DEVELOPMENT NO.	Q/M
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ID CONFIG TABLE

	ASM	NO-ASM
R953	YUKON	ROME
R955	2 CADRBUS SLOT	1 CADRBUS SLOT
R984	YES-1394	NO-1394

PLANAR_ID	
3	SDV
2	FVT2
1	SIV
0	SIT
	SIT-R
	SVT

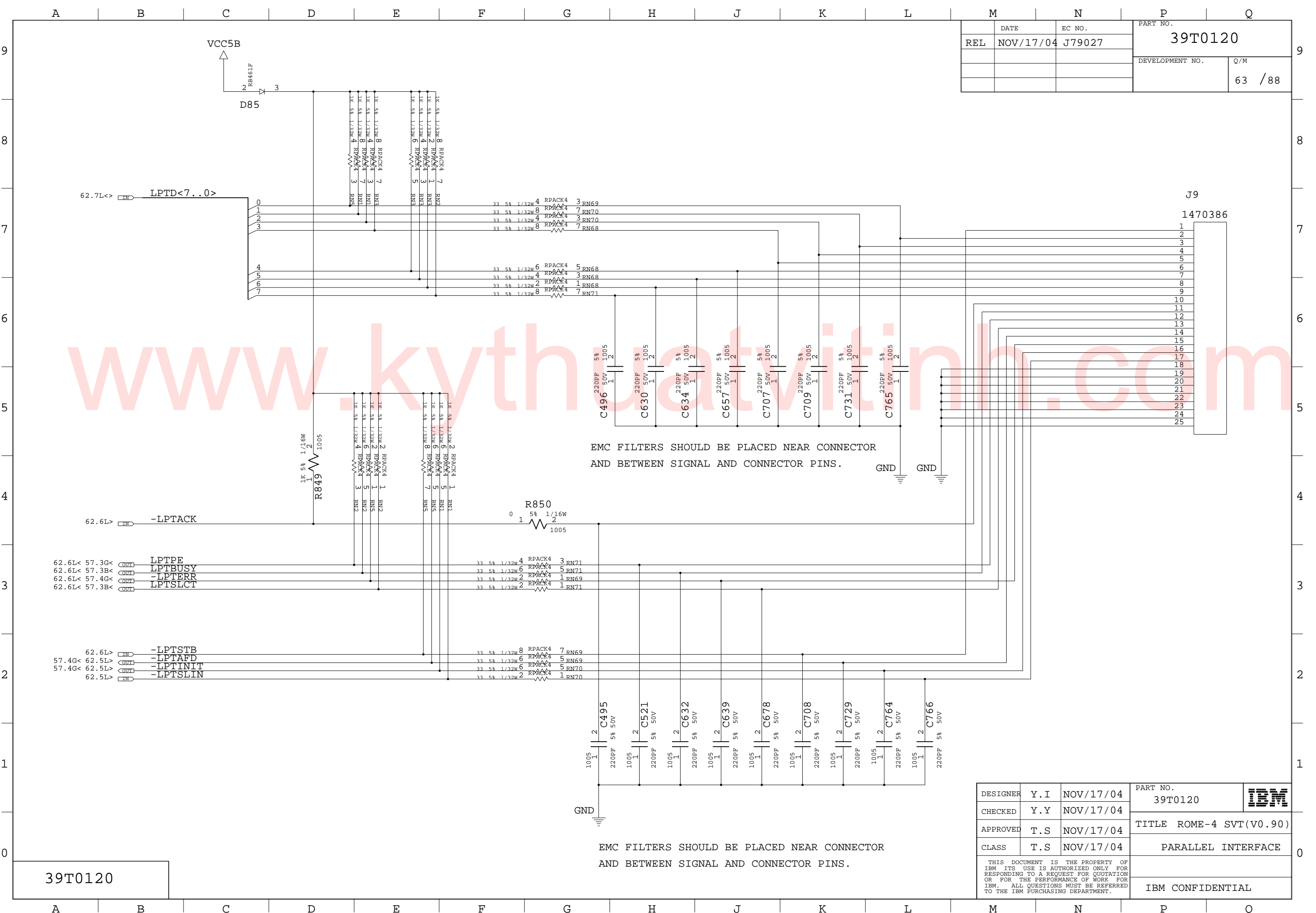
THESE DUMPPERS SHOULD BE PLACED NEAR SUPER I/O OUTPUT.

BASE ADDRESS 2E-2FH

DESIGNER	Y.I	NOV/17/04	PART NO.	39T0120	IBM
CHECKED	Y.Y	NOV/17/04	TITLE	ROME-4 SVT(V0.90)	
APPROVED	T.S	NOV/17/04	IO KEEPER (SUPER I/O TPM RFID)		
CLASS	T.S	NOV/17/04	100PIN PITCH=0.5MM		
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REL	DATE	EC NO.	PART NO.
	NOV/17/04	J79027	39T0120
			DEVELOPMENT NO.
			Q/M
			63 / 88

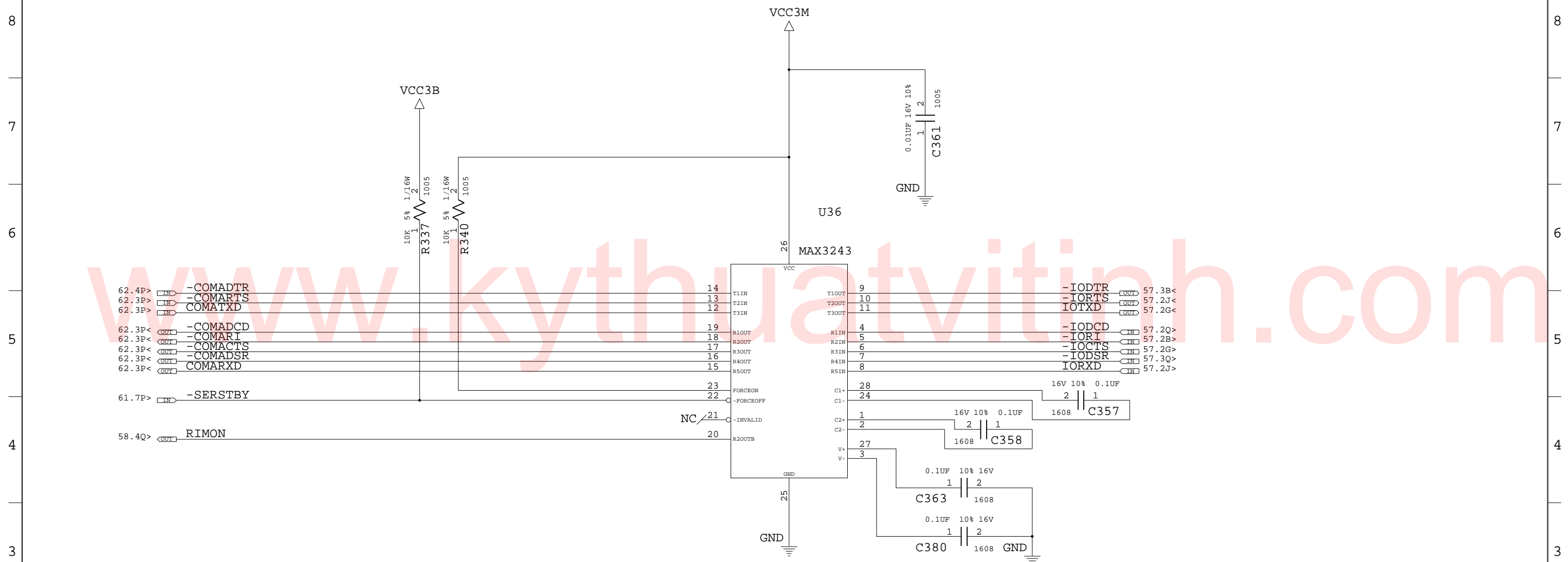
EMC FILTERS SHOULD BE PLACED NEAR CONNECTOR AND BETWEEN SIGNAL AND CONNECTOR PINS.

EMC FILTERS SHOULD BE PLACED NEAR CONNECTOR AND BETWEEN SIGNAL AND CONNECTOR PINS.

39T0120

DESIGNER	Y.I	NOV/17/04	PART NO.	39T0120	
CHECKED	Y.Y	NOV/17/04			
APPROVED	T.S	NOV/17/04	TITLE ROME-4 SVT(V0.90)		
CLASS	T.S	NOV/17/04	PARALLEL INTERFACE		
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REL	DATE	EC NO.	PART NO.
	NOV/17/04	J79027	39T0120
			DEVELOPMENT NO.
			Q/M
			64 / 88

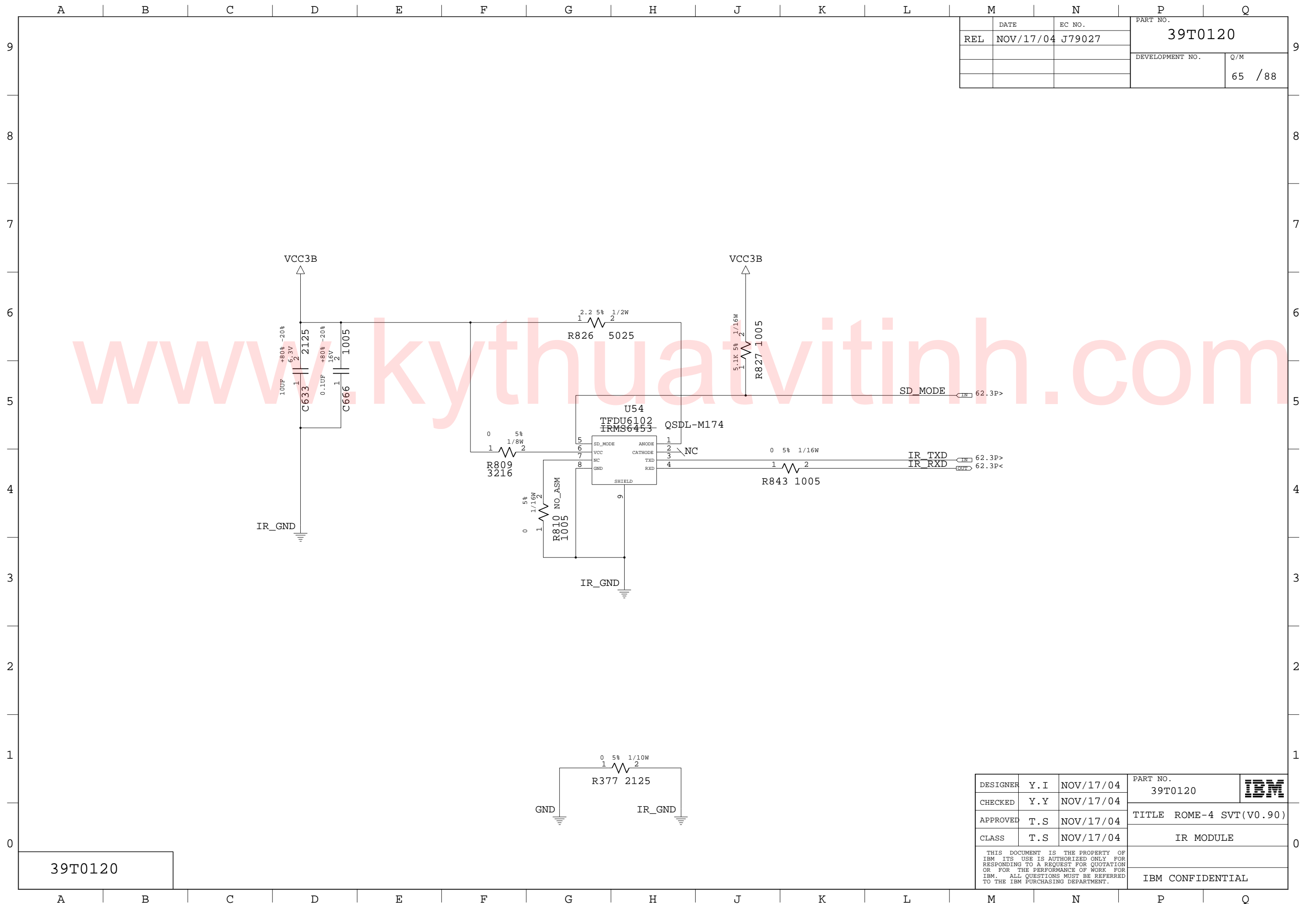


R1IN/R2IN/R3IN/R5IN HAVE INTERNAL PULLDOWN(5K OHM).  
 DO NOT WIRE SIGNALS UNDER PINS (1/2/3/24/25/26/27/28)  
 CHARGE PUMP CAPACITOR SHOULD BE PLACED NEAR PINS(1/2/3/24/27/28)  
 ADD GND SHILED UNDER CHARGE PUMP CIRCUIT TO  
 PROTECT POWER LINE NOISE  
 CAPACITORS FOR CHARGE PUMP SHOULD BE USED TYPE B AND LOW ESR TYPE.

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

39T0120

DESIGNER	Y.I	NOV/17/04	PART NO.	39T0120	IBM
CHECKED	Y.Y	NOV/17/04			
APPROVED	T.S	NOV/17/04	TITLE ROME-4 SVT(V0.90)		
CLASS	T.S	NOV/17/04	SERIAL INTERFACE		
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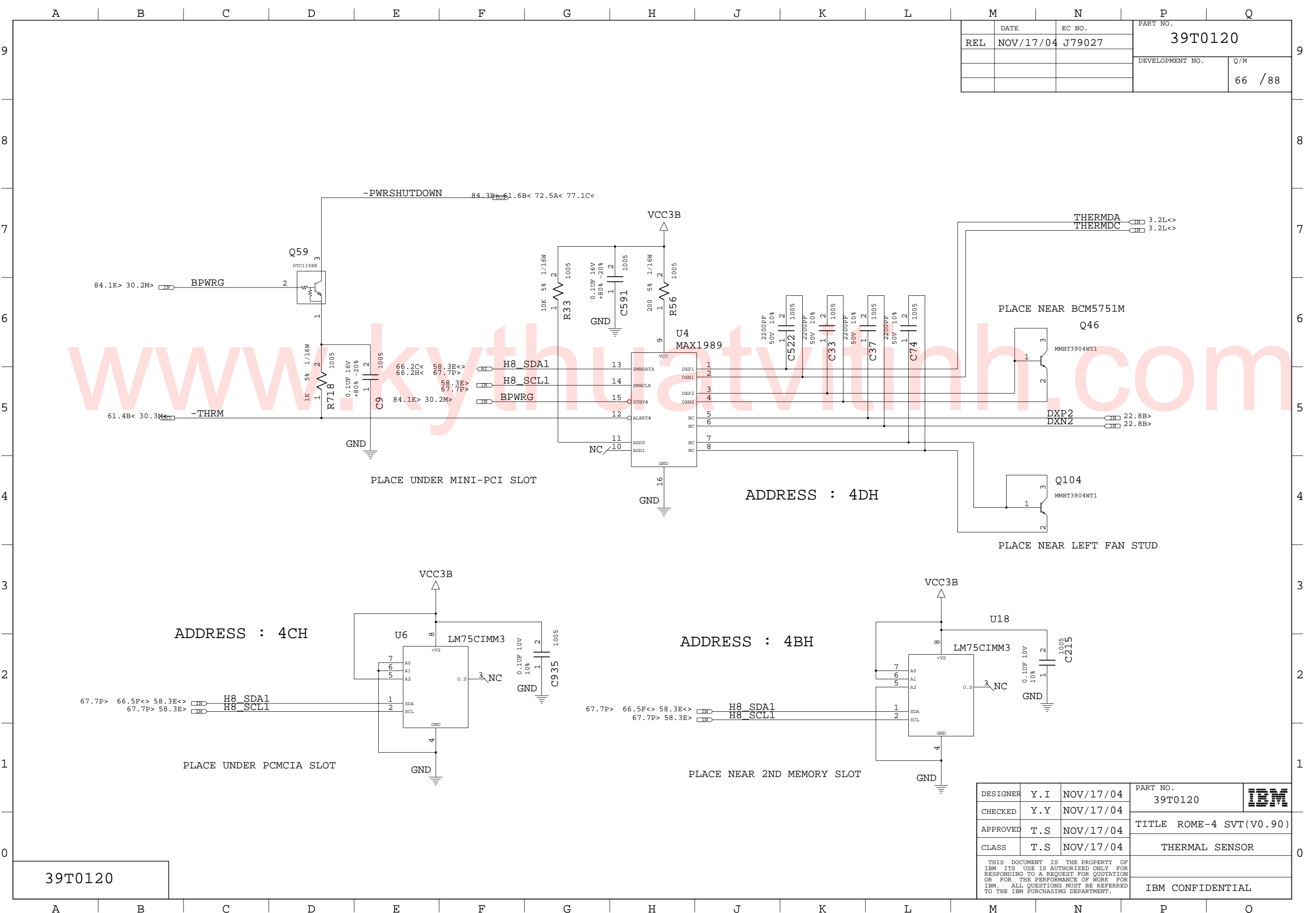


	DATE	EC NO.	PART NO.	
REL	NOV/17/04	J79027	39T0120	
			DEVELOPMENT NO.	Q/M
				65 / 88

39T0120

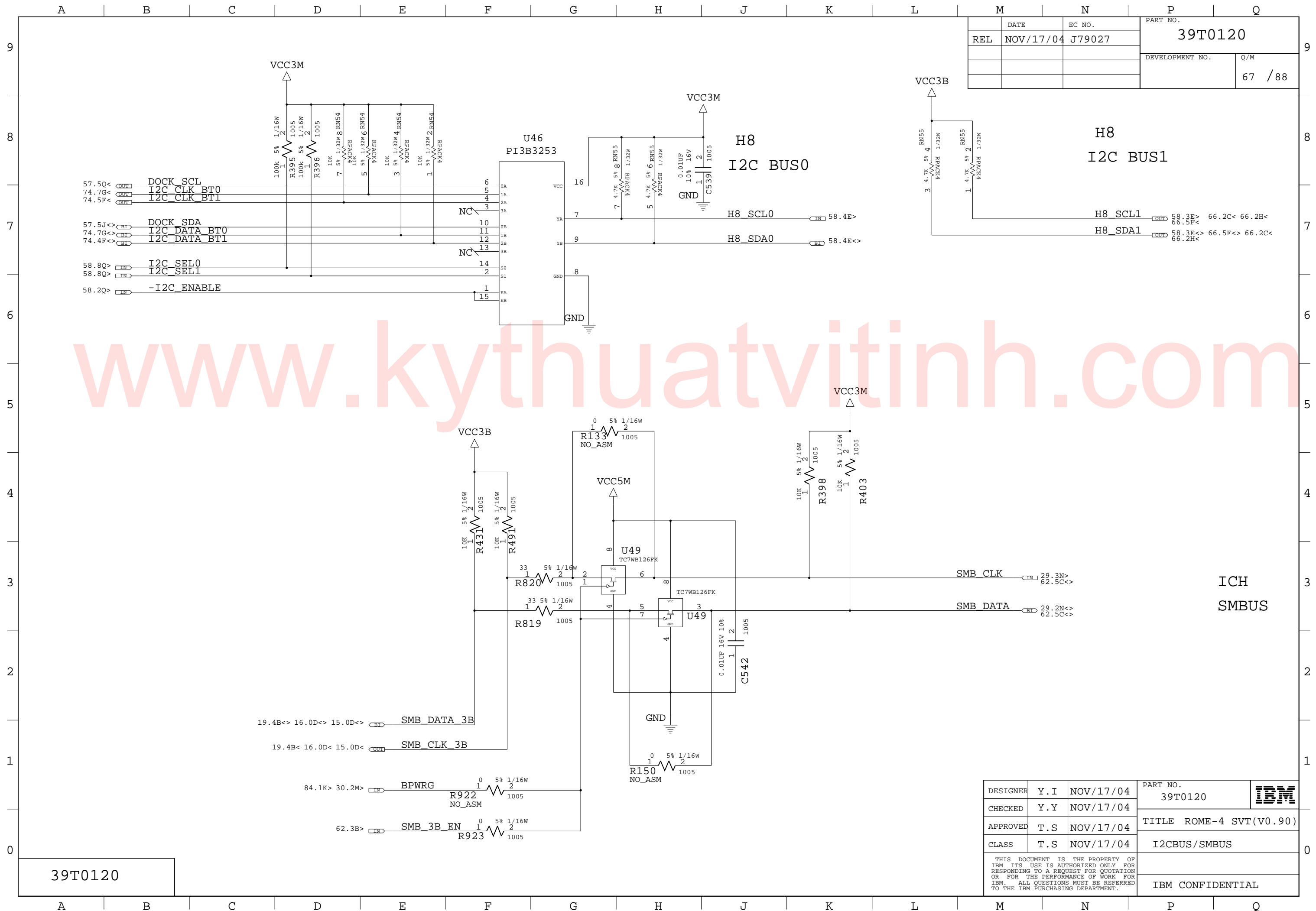
DESIGNER	Y. I	NOV/17/04	PART NO.	39T0120	<b>IBM</b>
CHECKED	Y. Y	NOV/17/04			
APPROVED	T. S	NOV/17/04	TITLE ROME-4 SVT(V0.90)		
CLASS	T. S	NOV/17/04	IR MODULE		
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DATE	EC NO.	PART NO.
REL NOV/17/04	J79027	39T0120
DEVELOPMENT NO.		Q/M
		66 / 88



39T0120

DESIGNER	Y.I	NOV/17/04	PART NO.	39T0120	<b>IBM</b>
CHECKED	Y.Y	NOV/17/04			
APPROVED	T.S	NOV/17/04	TITLE ROME-4 SVT(V0.90)		
CLASS	T.S	NOV/17/04	THERMAL SENSOR		
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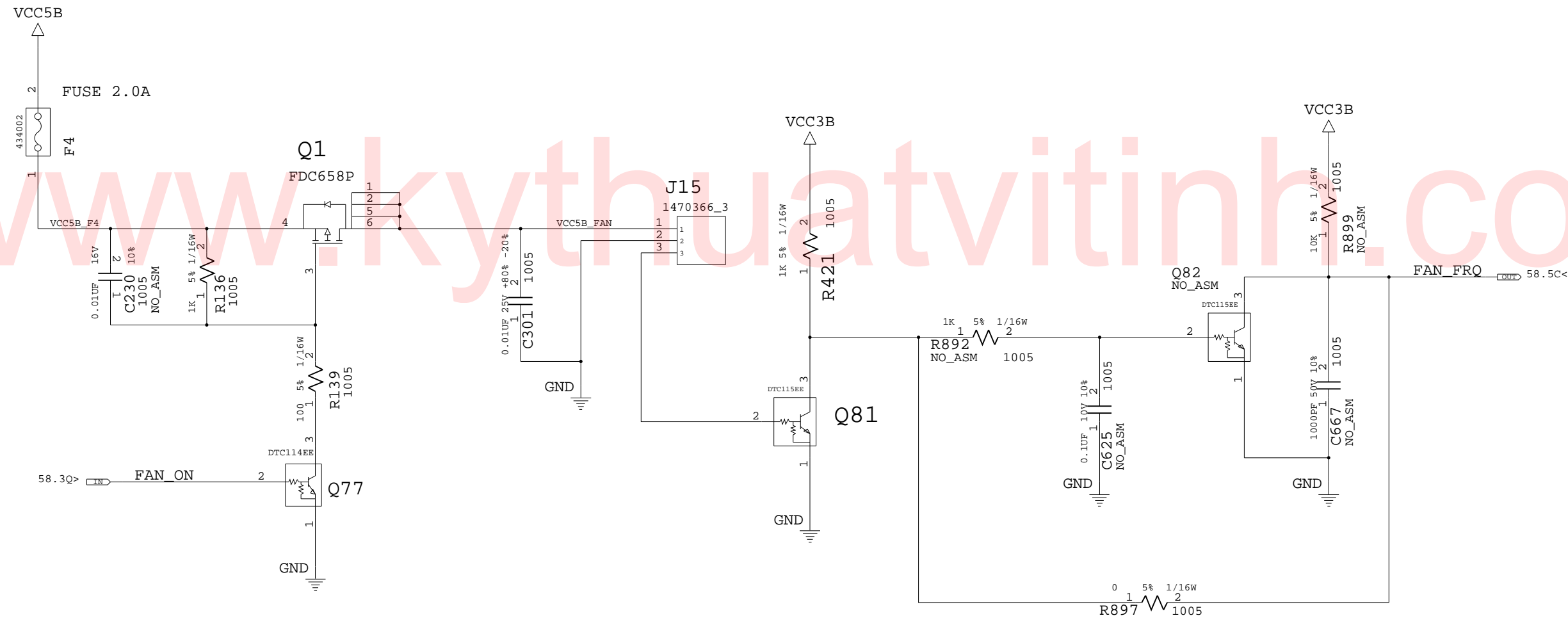
	DATE	EC NO.	PART NO.	
REL	NOV/17/04	J79027	39T0120	
			DEVELOPMENT NO.	Q/M
				67 / 88

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DESIGNER	Y.I	NOV/17/04	PART NO.	39T0120	
CHECKED	Y.Y	NOV/17/04			
APPROVED	T.S	NOV/17/04	TITLE ROME-4 SVT(V0.90)		
CLASS	T.S	NOV/17/04	I2CBUS/SMBUS		
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	DATE	EC NO.	PART NO.	
REL	NOV/17/04	J79027	39T0120	
			DEVELOPMENT NO.	Q/M
				68 / 88

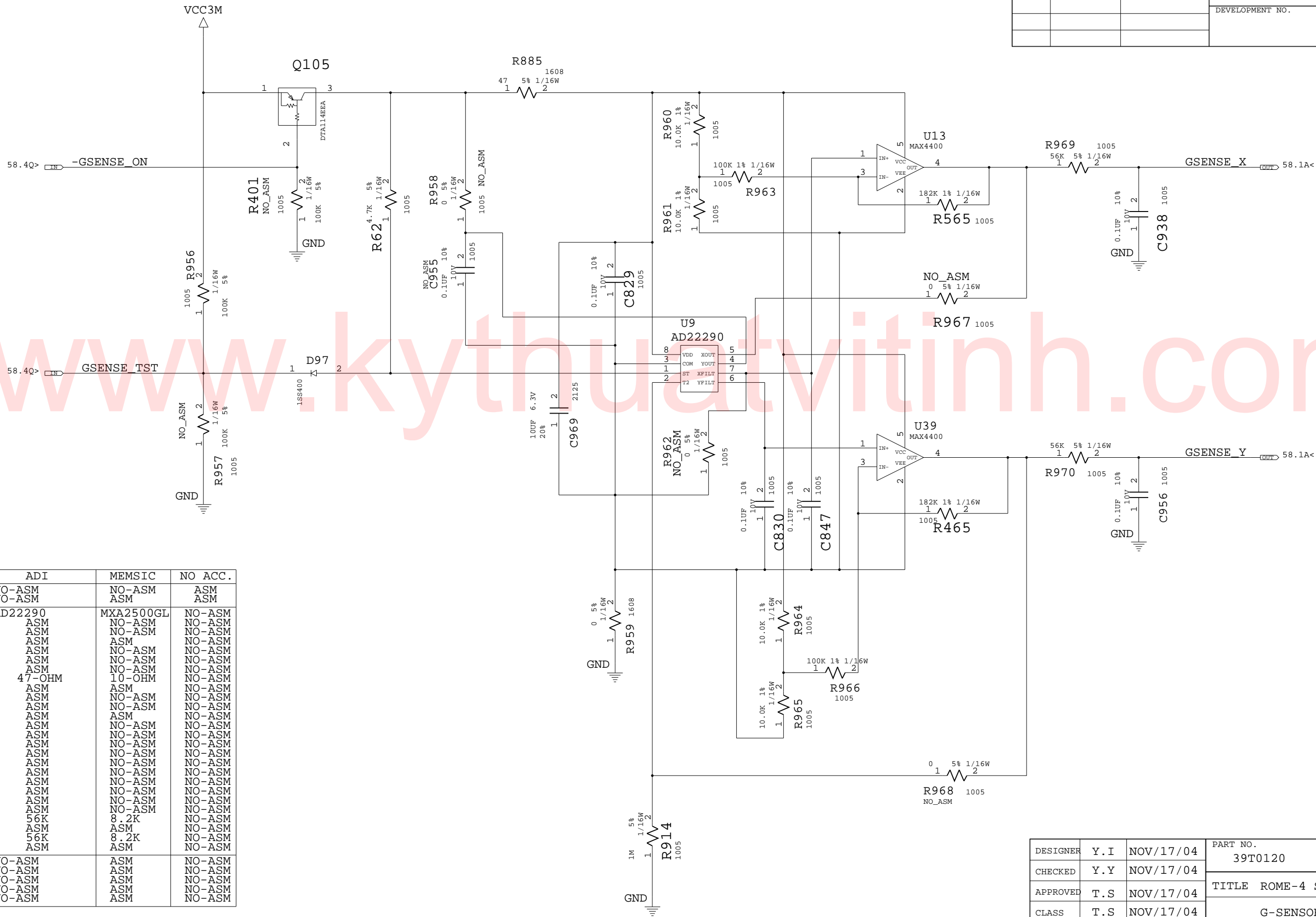


39T0120

DESIGNER	Y. I	NOV/17/04	PART NO.	39T0120	IBM
CHECKED	Y. Y	NOV/17/04			
APPROVED	T. S	NOV/17/04	TITLE ROME-4 SVT(V0.90)		
CLASS	T. S	NOV/17/04	FAN CONNECTOR		
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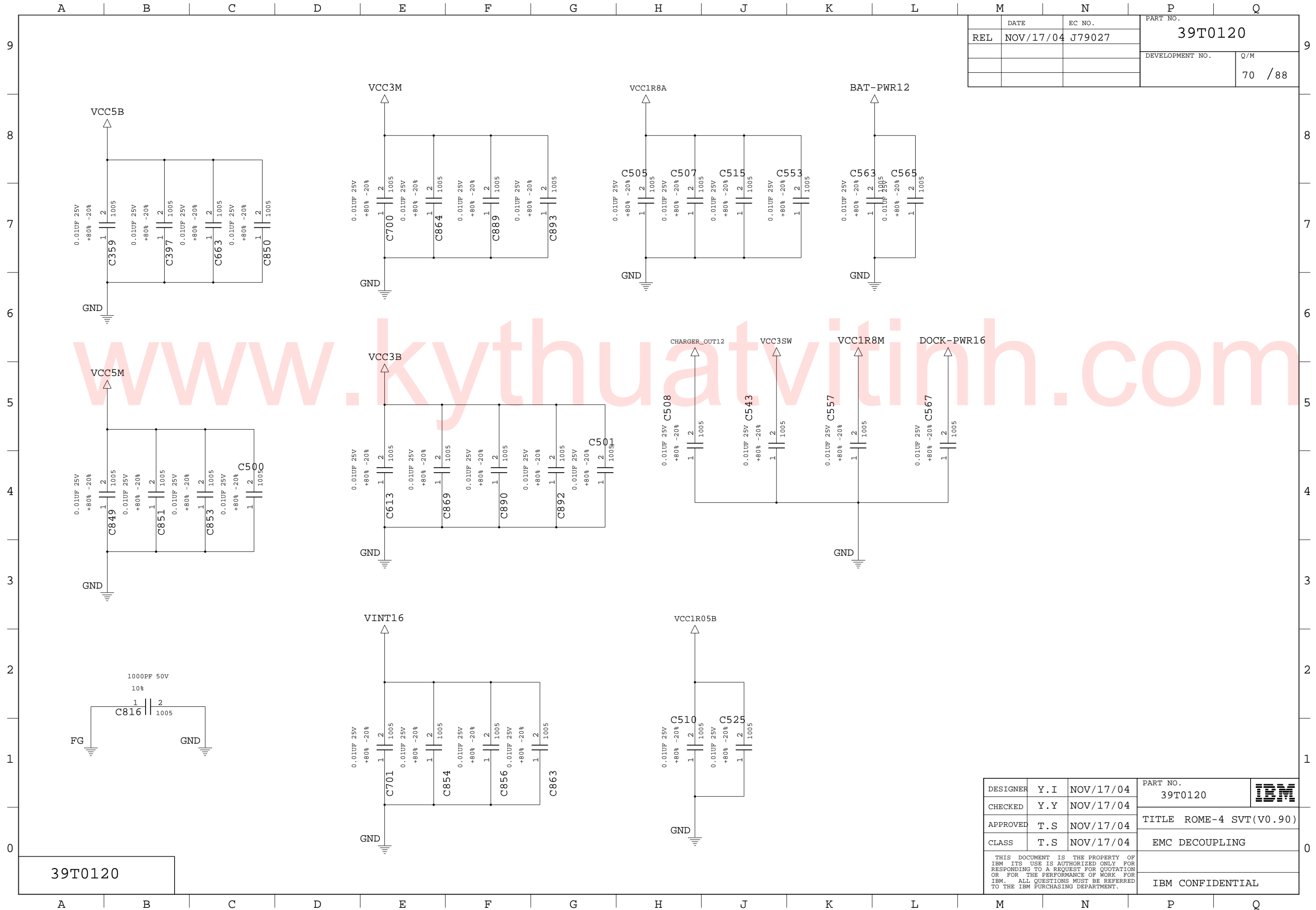
DATE	NOV/17/04	EC NO.	J79027	PART NO.	39T0120
REL	1			DEVELOPMENT NO.	Q/M
					69 / 88



	ADI	MEMSIC	NO ACC.
R401	NO-ASM	NO-ASM	ASM
R957	NO-ASM	ASM	ASM
U9	AD22290	MXA2500GL	NO-ASM
U13	ASM	NO-ASM	NO-ASM
U39	ASM	NO-ASM	NO-ASM
Q105	ASM	ASM	NO-ASM
D97	ASM	NO-ASM	NO-ASM
R956	ASM	NO-ASM	NO-ASM
R958	ASM	NO-ASM	NO-ASM
R885	47-OHM	10-OHM	NO-ASM
C829	ASM	ASM	NO-ASM
R961	ASM	NO-ASM	NO-ASM
R963	ASM	NO-ASM	NO-ASM
R965	ASM	NO-ASM	NO-ASM
R966	ASM	NO-ASM	NO-ASM
R967	ASM	NO-ASM	NO-ASM
R968	ASM	NO-ASM	NO-ASM
R969	ASM	NO-ASM	NO-ASM
R970	ASM	NO-ASM	NO-ASM
R914	ASM	NO-ASM	NO-ASM
C955	NO-ASM	ASM	NO-ASM
C938	NO-ASM	ASM	NO-ASM
C830	NO-ASM	ASM	NO-ASM
C847	NO-ASM	ASM	NO-ASM
C956	NO-ASM	ASM	NO-ASM
C938	NO-ASM	ASM	NO-ASM
R956	NO-ASM	ASM	NO-ASM
R958	NO-ASM	ASM	NO-ASM
R885	NO-ASM	ASM	NO-ASM
R961	NO-ASM	ASM	NO-ASM
R963	NO-ASM	ASM	NO-ASM
R965	NO-ASM	ASM	NO-ASM
R966	NO-ASM	ASM	NO-ASM
R967	NO-ASM	ASM	NO-ASM
R968	NO-ASM	ASM	NO-ASM
R969	NO-ASM	ASM	NO-ASM
R970	NO-ASM	ASM	NO-ASM
R914	NO-ASM	ASM	NO-ASM

39T0120

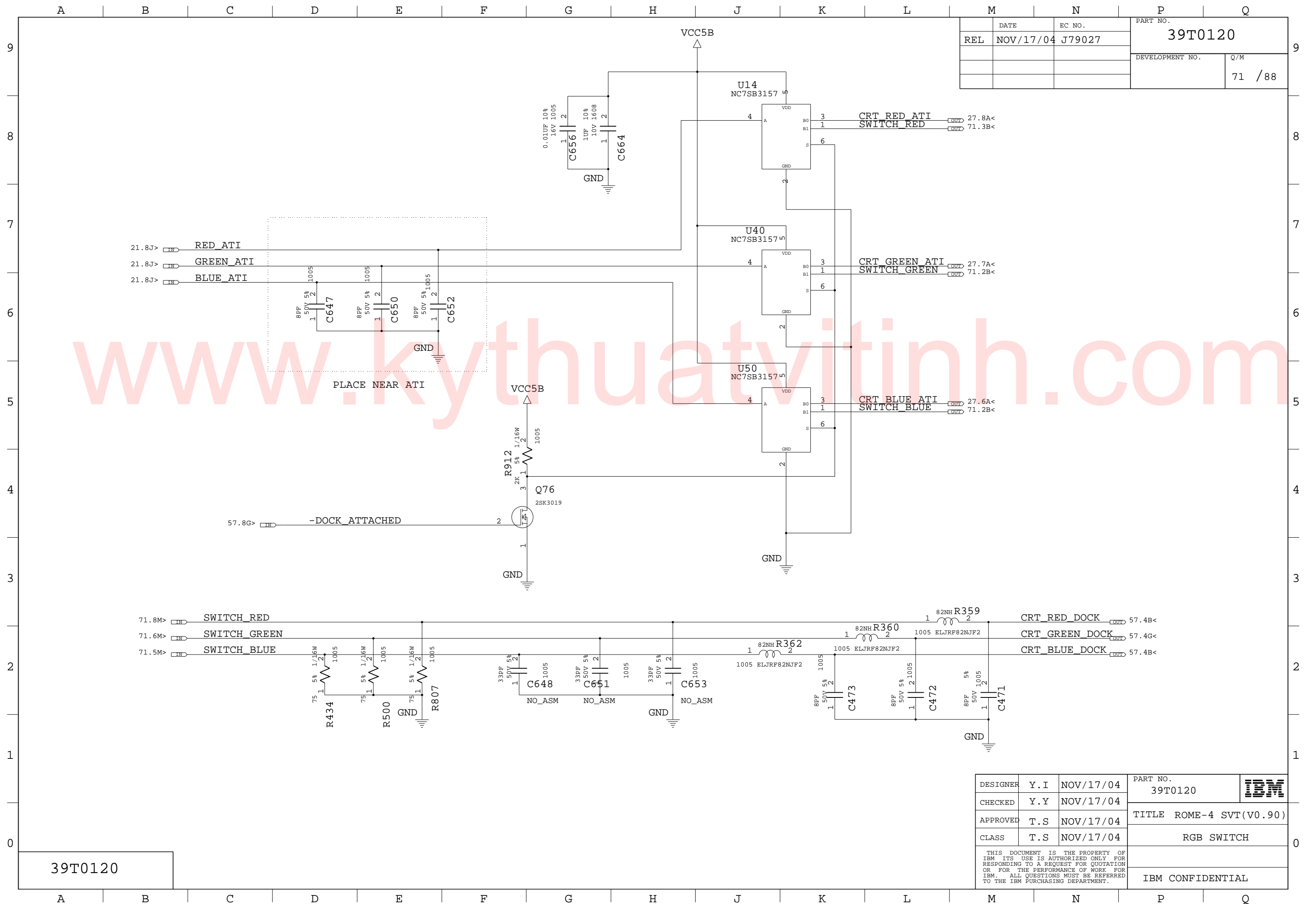
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APPROVED	T.S	NOV/17/04	CLASS	G-SENSOR	
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	DATE	EC NO.	PART NO.
REL	NOV/17/04	J79027	39T0120
			DEVELOPMENT NO.
			Q/M
			70 / 88

39T0120

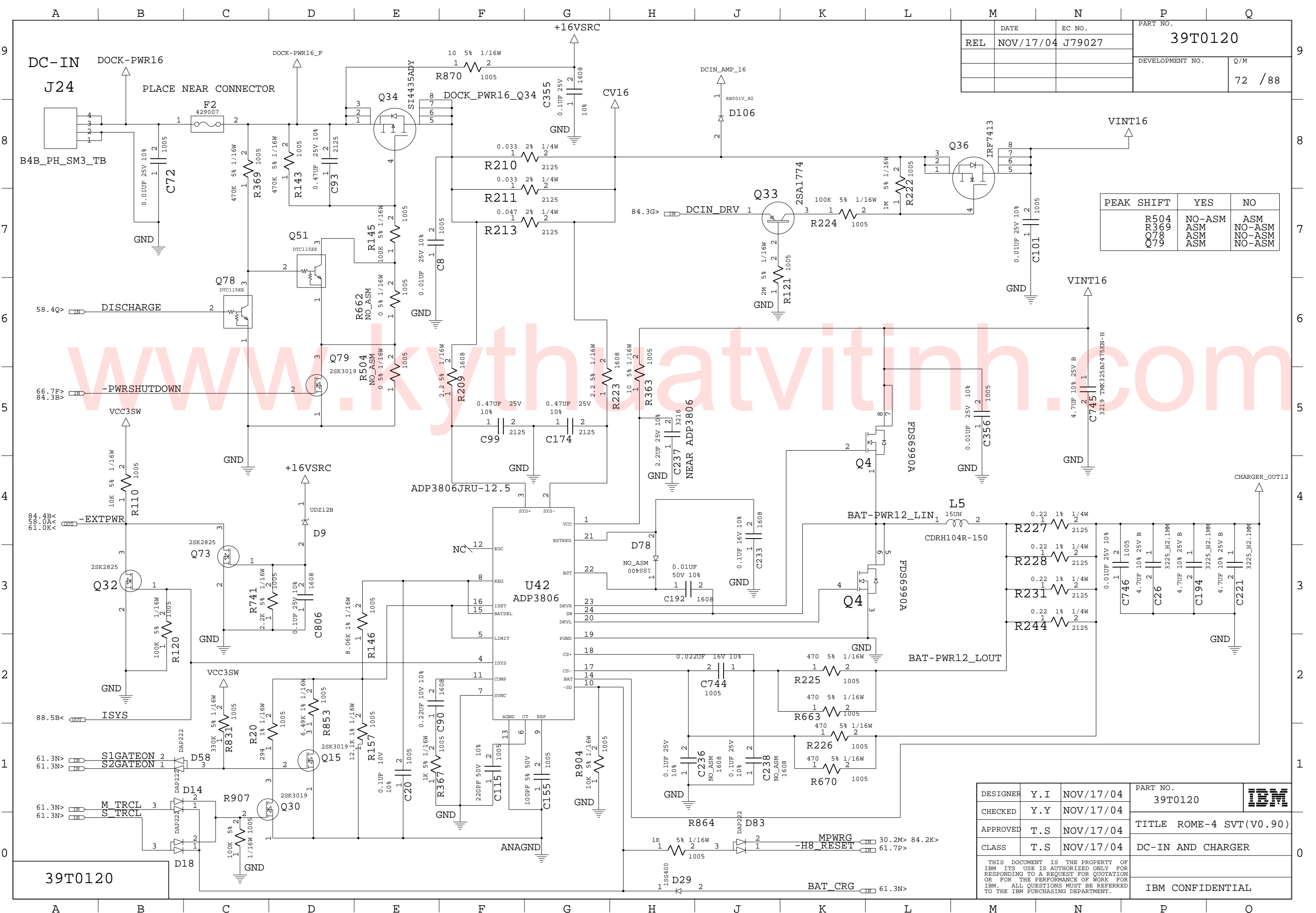
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APPROVED	T.S	NOV/17/04	TITLE ROME-4 SVT(V0.90)		
CLASS	T.S	NOV/17/04	EMC DECOUPLING		
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REL	DATE	EC NO.	PART NO.
	NOV/17/04	J79027	39T0120
			DEVELOPMENT NO.
			Q/M
			71 / 88

39T0120

DESIGNER	Y. I	NOV/17/04	PART NO.	39T0120	IBM
CHECKED	Y. Y	NOV/17/04			
APPROVED	T. S	NOV/17/04	TITLE ROME-4 SVT(V0.90)		
CLASS	T. S	NOV/17/04	RGB SWITCH		
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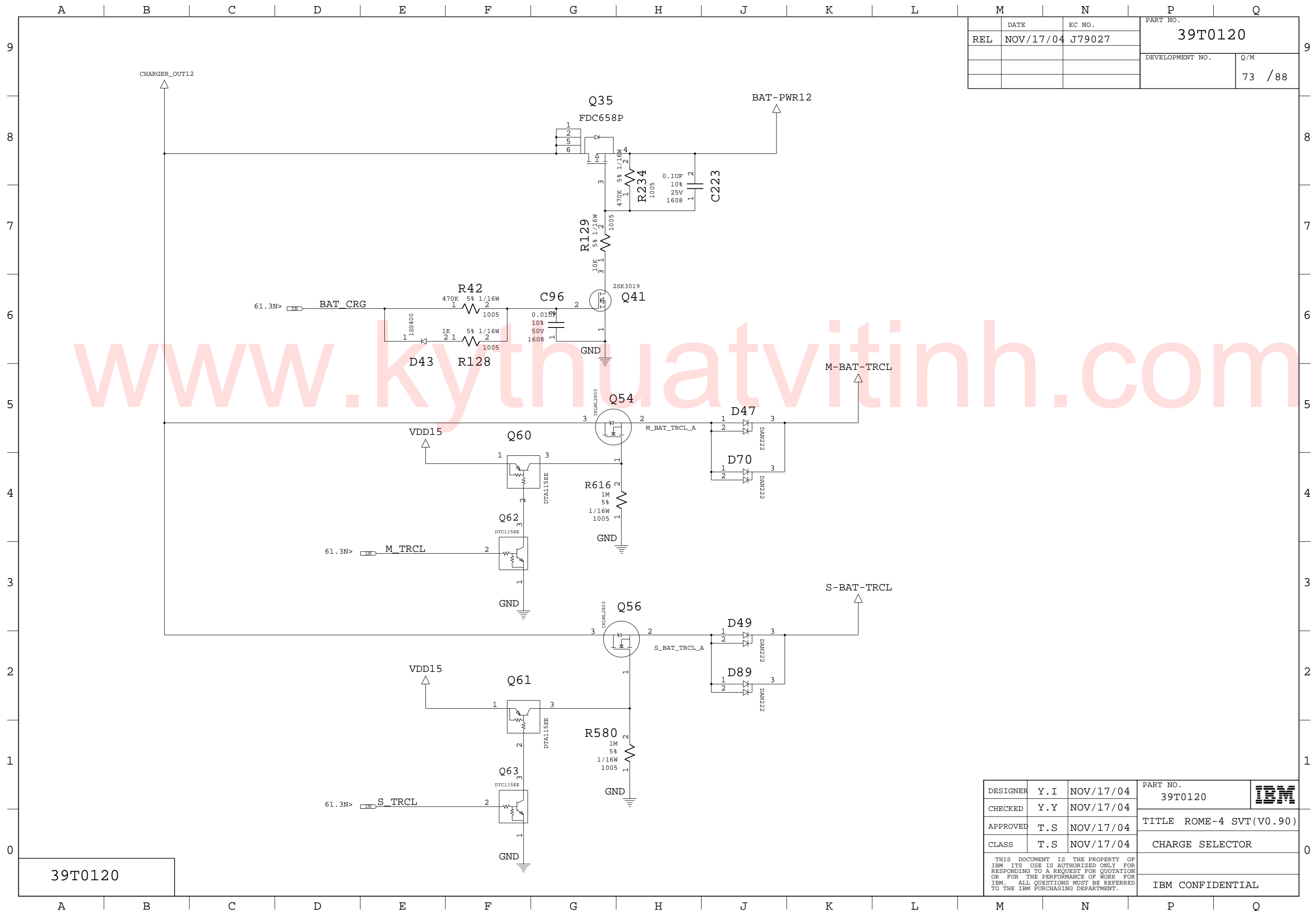


REL	NOV/17/04	J79027	PART NO.	39T0120
			DEVELOPMENT NO.	Q/M
				72 / 88

PEAK SHIFT	YES	NO
R504	NO-ASM	ASM
R3069	ASM	NO-ASM
Q789	ASM	NO-ASM
Q79	ASM	NO-ASM

DESIGNER	Y.I	NOV/17/04	PART NO.	39T0120	
CHECKED	Y.Y	NOV/17/04			
APPROVED	T.S	NOV/17/04	TITLE		ROME-4 SVT(V0.90)
CLASS	T.S	NOV/17/04	DC-IN AND CHARGER		
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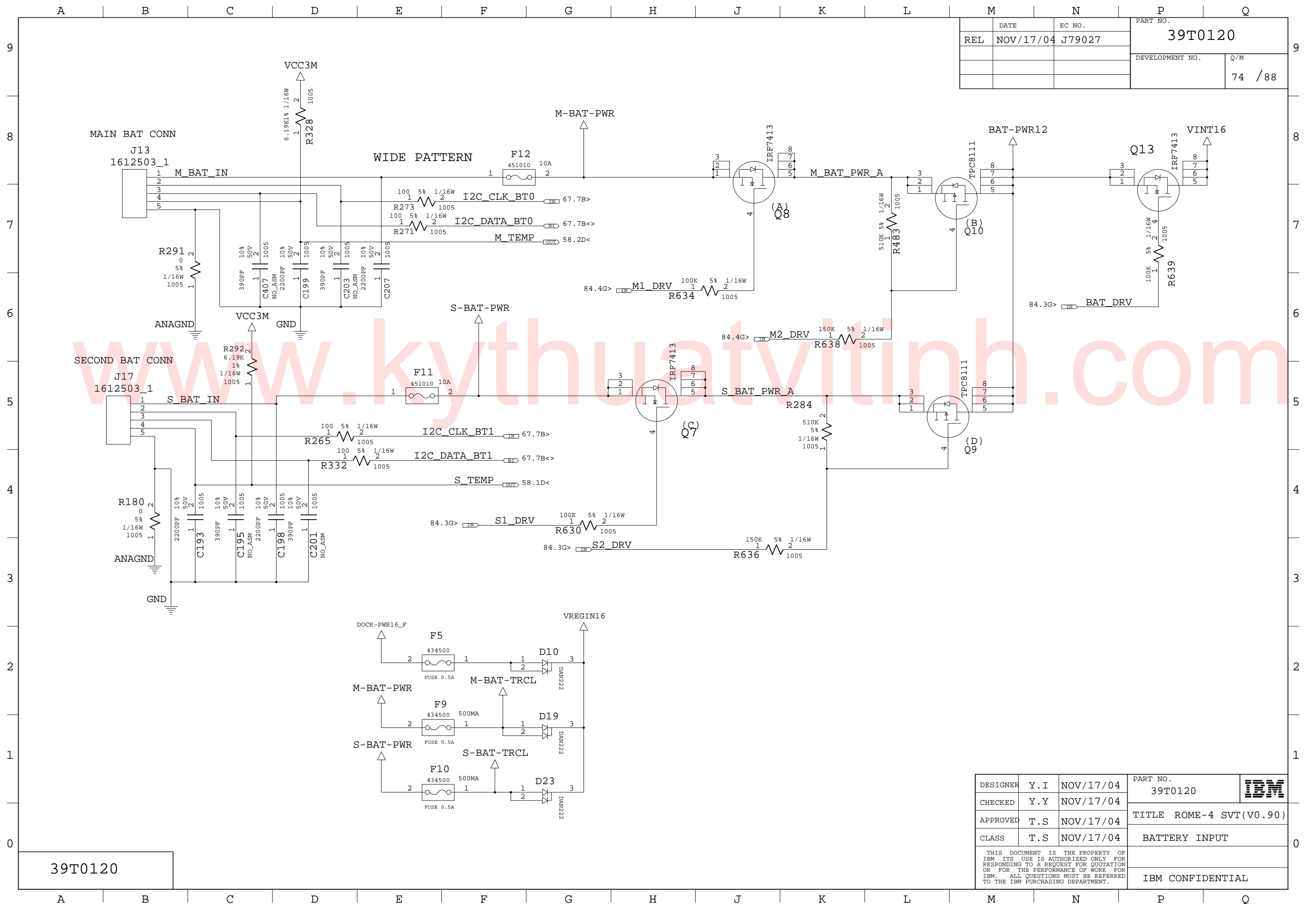
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REL	DATE	EC NO.	PART NO.
	NOV/17/04	J79027	39T0120
			DEVELOPMENT NO.
			Q/M
			73 / 88

39T0120

DESIGNER	Y.I	NOV/17/04	PART NO.	39T0120	IBM
CHECKED	Y.Y	NOV/17/04			
APPROVED	T.S	NOV/17/04	TITLE ROME-4 SVT(V0.90)		
CLASS	T.S	NOV/17/04	CHARGE SELECTOR		
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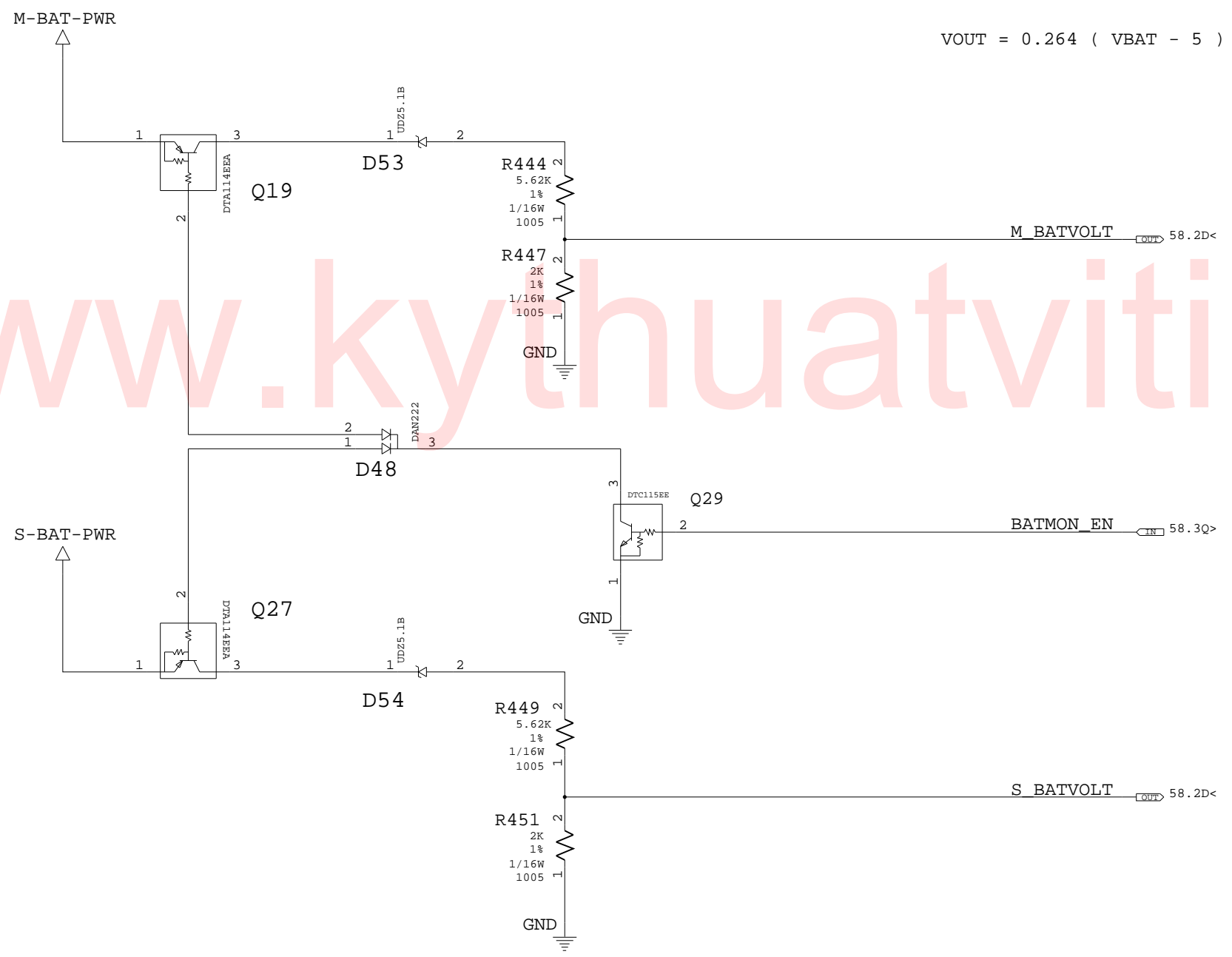
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REL				DEVELOPMENT NO.	Q/M
					74 / 88

39T0120

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CHECKED	Y.Y	NOV/17/04	TITLE	ROME-4 SVT(V0.90)	
APPROVED	T.S	NOV/17/04	CLASS	BATTERY INPUT	
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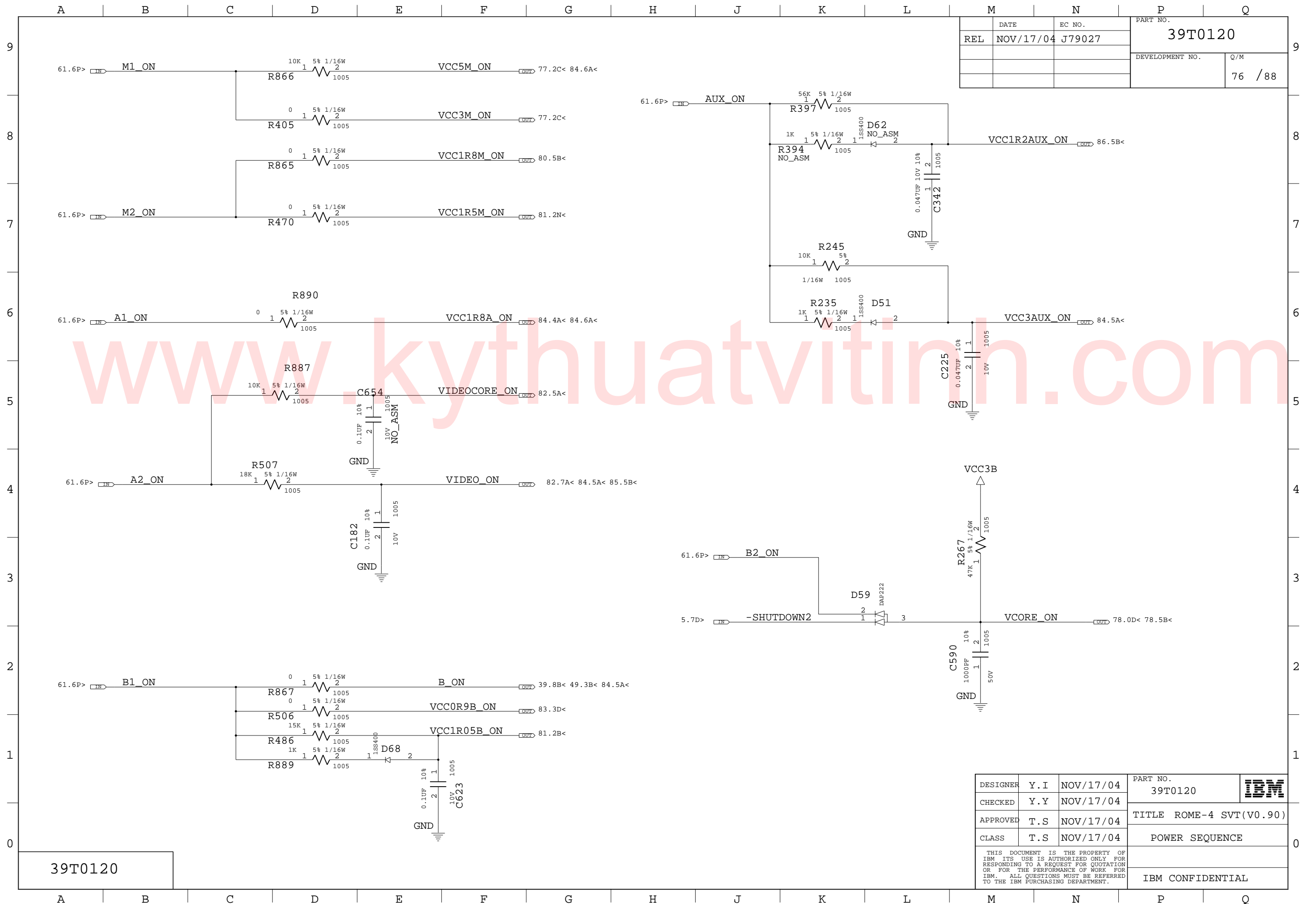


	DATE	EC NO.	PART NO.	
REL	NOV/17/04	J79027	39T0120	
			DEVELOPMENT NO.	Q/M
				75 / 88



39T0120

DESIGNER	Y. I	NOV/17/04	PART NO.	IBM
CHECKED	Y. Y	NOV/17/04	39T0120	
APPROVED	T. S	NOV/17/04	TITLE ROME-4 SVT(V0.90)	
CLASS	T. S	NOV/17/04	BATTERY MONITOR	
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REL				DEVELOPMENT NO.	76 / 88

39T0120

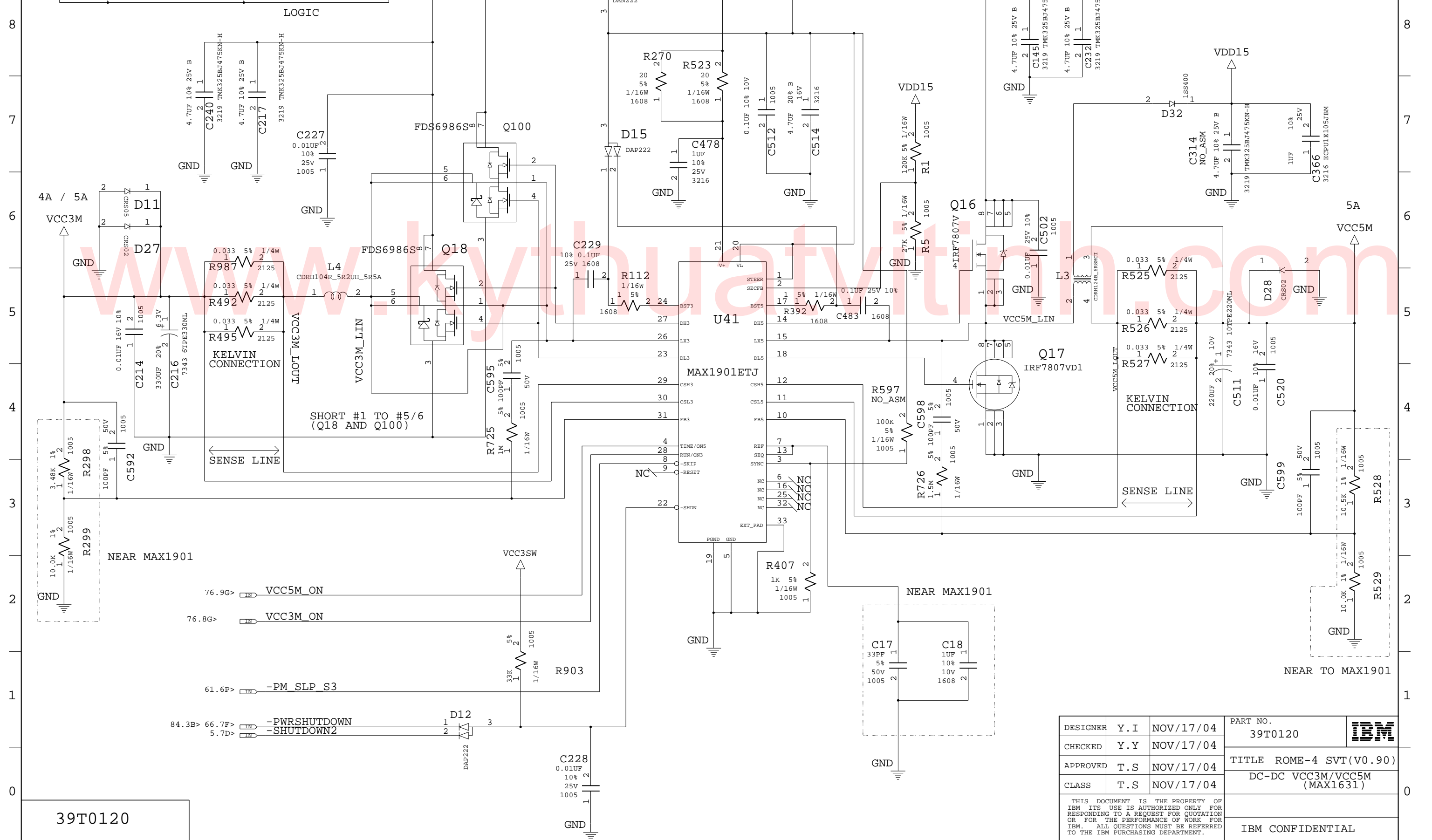
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APPROVED	T.S	NOV/17/04	CLASS	POWER SEQUENCE	
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A B C D E F G H J K L M N P Q

VCC3M TABLE 1/1

VCC3M	4.0A	5.0A
R987	NO-ASM	ASM
L4	CDRH104R_10UH_4R4A	CDRH104R_5R2UH_5R5A
Q100	NO-ASM	ASM
C217	NO-ASM	ASM

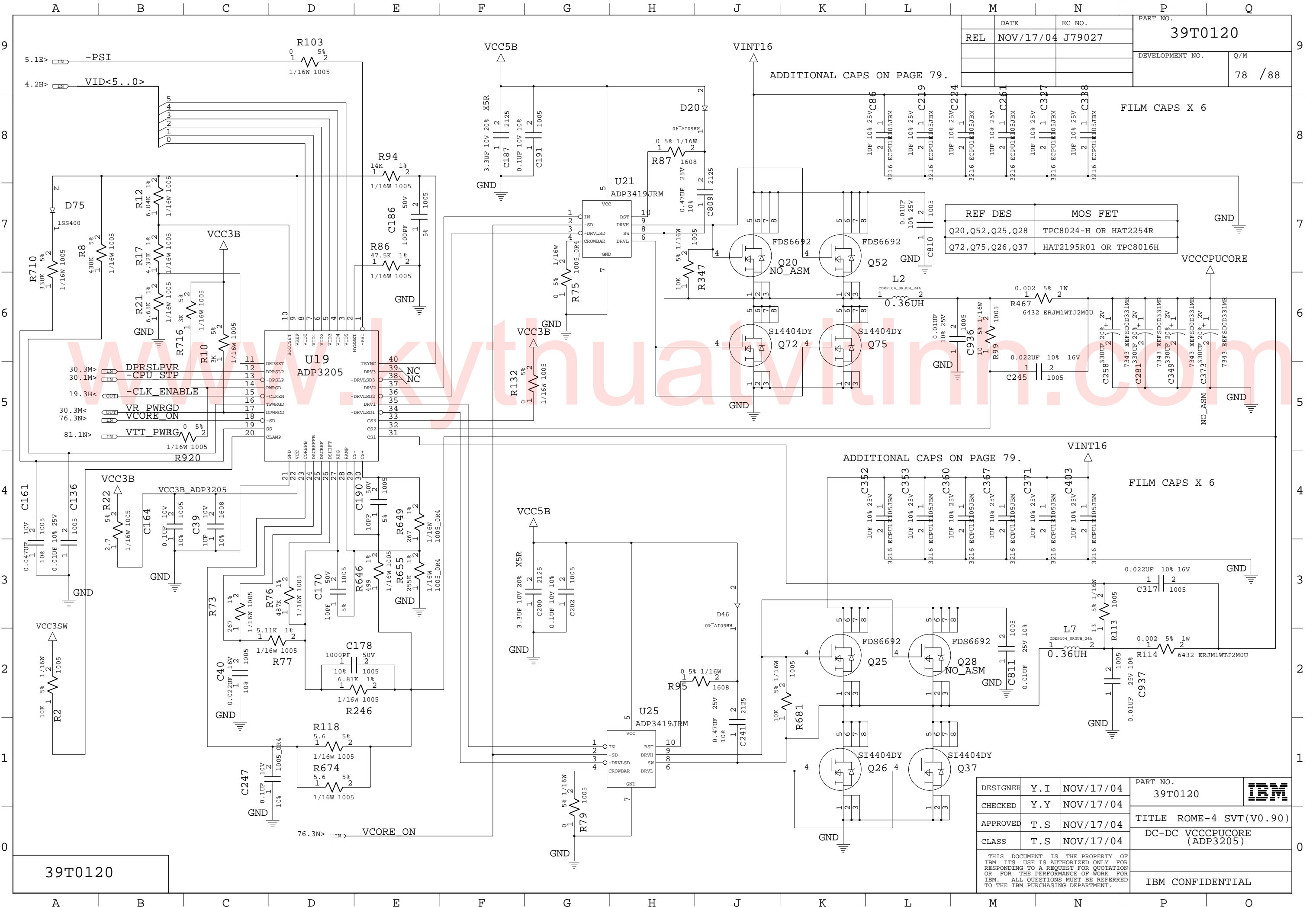
REL	DATE	EC NO.	PART NO.
	NOV/17/04	J79027	39T0120
			DEVELOPMENT NO.
			Q/M
			77 / 88



39T0120

DESIGNER	Y.I	NOV/17/04	PART NO.	39T0120	
CHECKED	Y.Y	NOV/17/04	TITLE ROME-4 SVT(V0.90)		
APPROVED	T.S	NOV/17/04	DC-DC VCC3M/VCC5M (MAX1631)		
CLASS	T.S	NOV/17/04	IBM CONFIDENTIAL		

A B C D E F G H J K L M N P Q



REL	NOV/17/04	J79027	DATE	EC NO.	J79027	PART NO.	39T0120
DEVELOPMENT NO.						Q/M	78 / 88

REF DES	MOS FET	
Q20, Q52, Q25, Q28	TPC8024-H OR HAT2254R	
Q72, Q75, Q26, Q37	HAT2195R01 OR TPC8016H	

C258	330UF 20% 2V	
C281	330UF 20% 2V	
C349	330UF 20% 2V	
C373	330UF 20% 2V	
C734	EFESD0331MR	
C734	EFESD0331MR	
C734	EFESD0331MR	
C734	EFESD0331MR	
C734	EFESD0331MR	

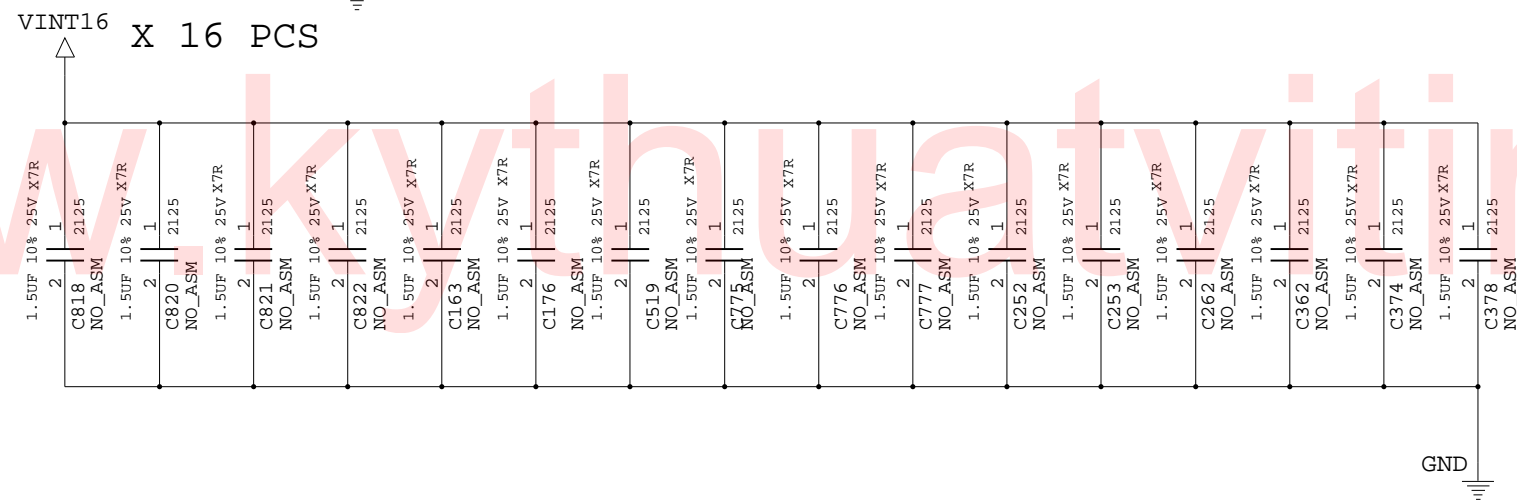
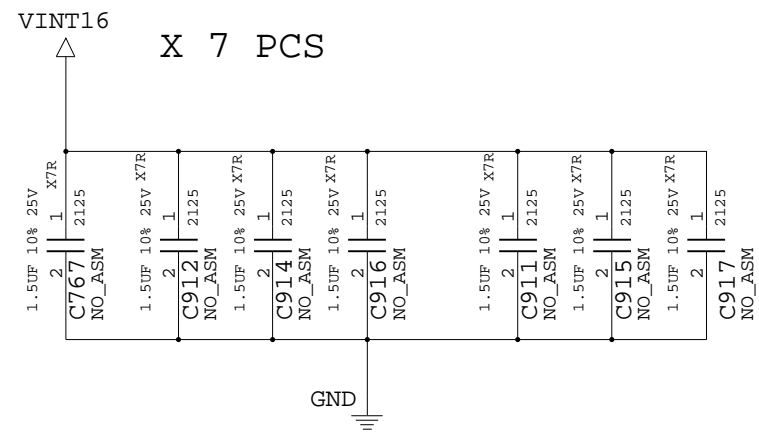
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APPROVED	T.S	NOV/17/04	DC-DC VCCCPUCORE	(ADP3205)	
CLASS	T.S	NOV/17/04	IBMPURCHASING DEPARTMENT.	IBMPURCHASING DEPARTMENT.	

39T0120

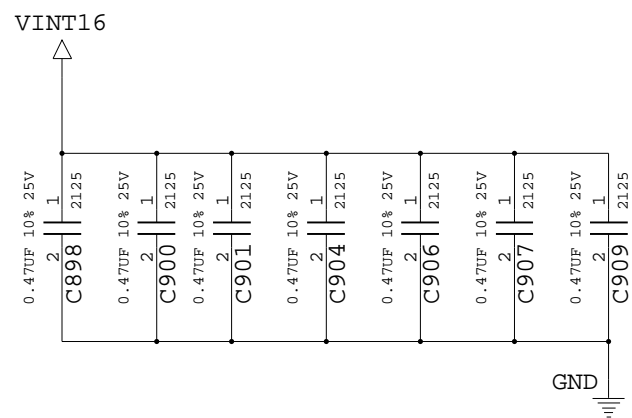
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REL	NOV/17/04	J79027	39T0120	
			DEVELOPMENT NO.	Q/M
				79 /88

9  
8  
7  
6  
5  
4  
3  
2  
1  
0

FOLLOWING 23 PCS OF 1.5UF ARE NO-ASM FOR VCCCPUCORE.

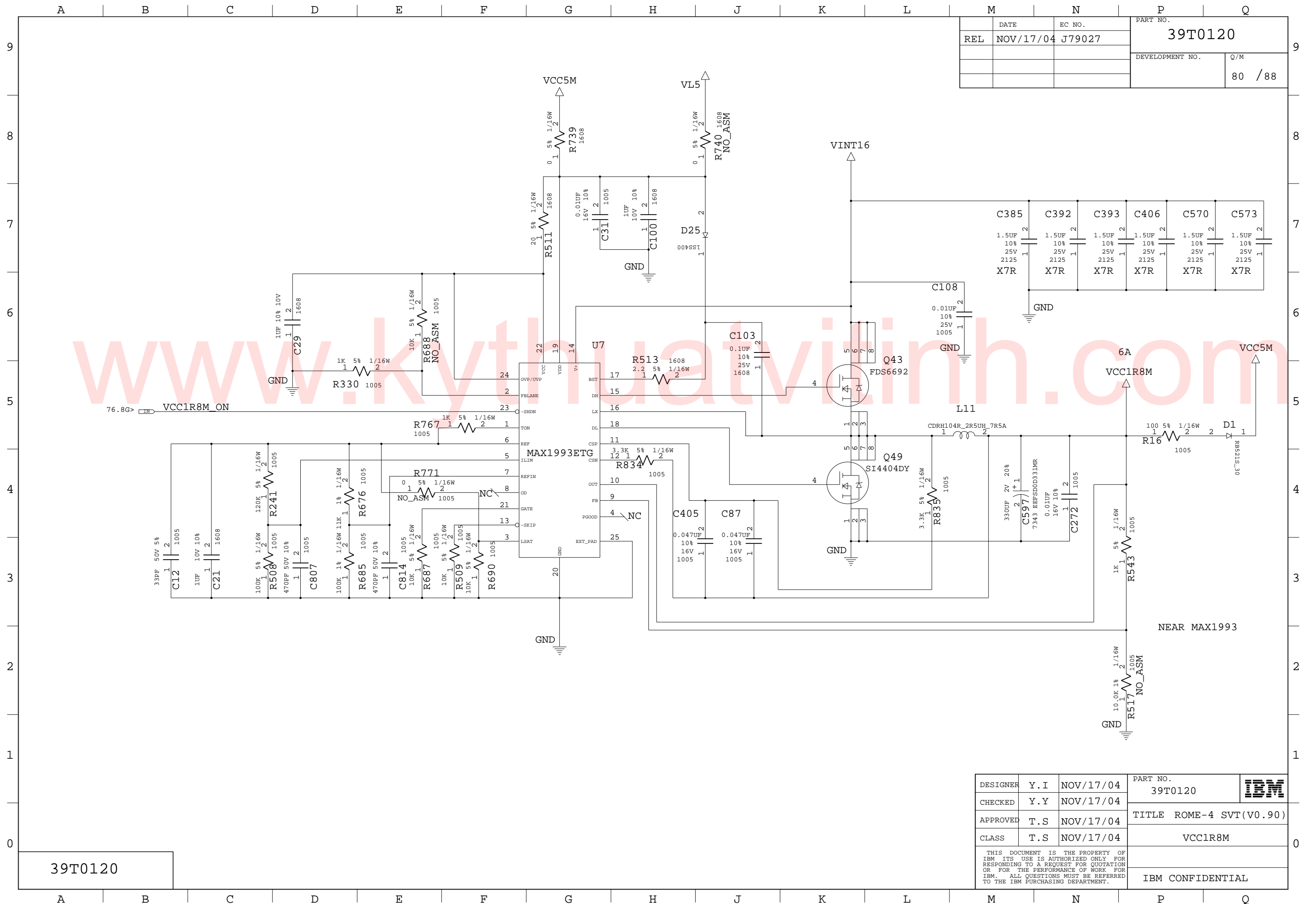


FOLLOWING 7 PCS OF 0.47UF AREA ASM FOR VCCCPUCORE TO REDUCE EMI.



39T0120

DESIGNER	Y.I	NOV/17/04	PART NO.	39T0120	
CHECKED	Y.Y	NOV/17/04			
APPROVED	T.S	NOV/17/04	TITLE ROME-4 SVT(V0.90)		
CLASS	T.S	NOV/17/04	DC-DC VCORE INPUT CAP		
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	DATE	EC NO.	PART NO.
REL	NOV/17/04	J79027	39T0120
			DEVELOPMENT NO.
			Q/M
			80 / 88

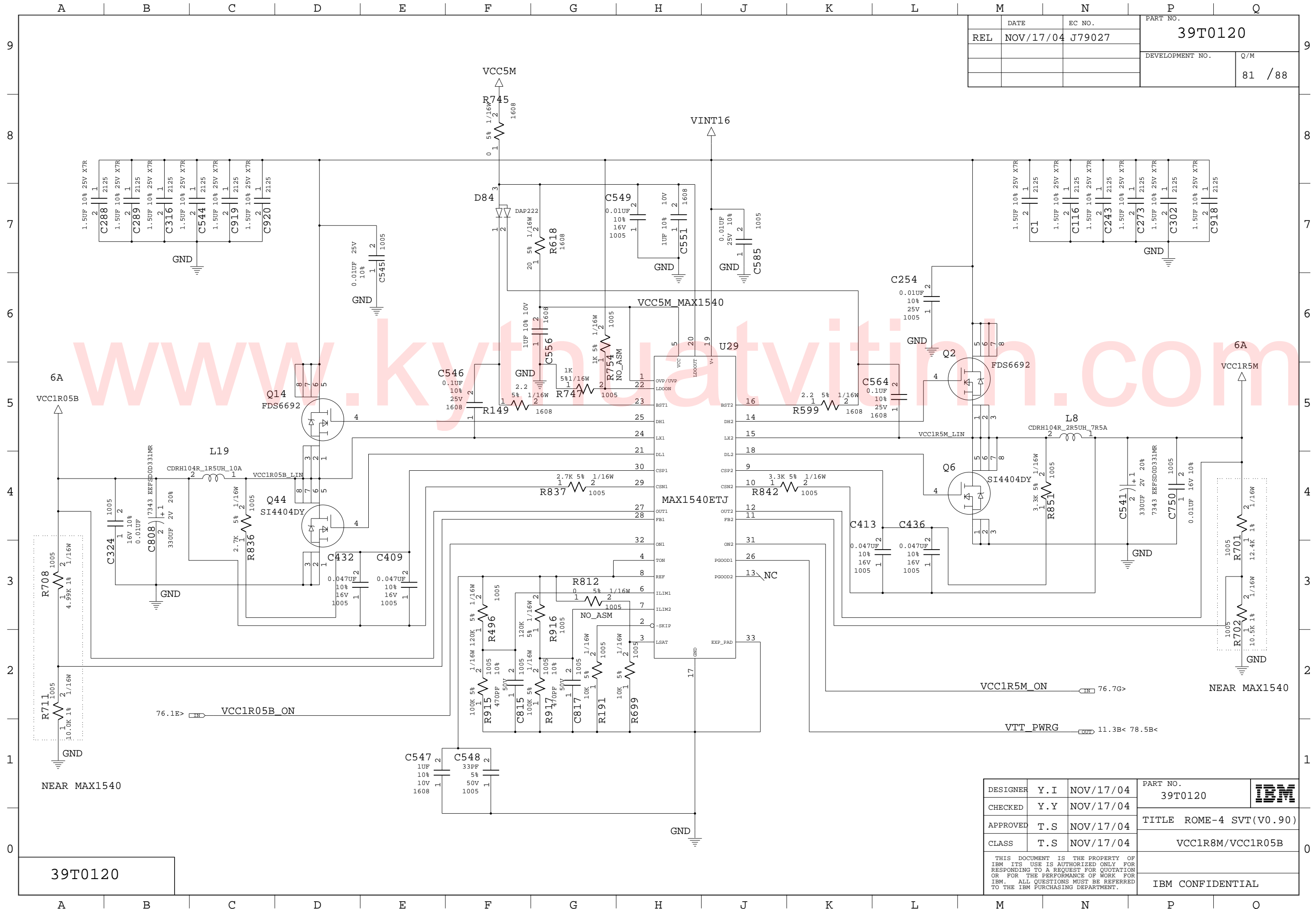
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CHECKED	Y.Y	NOV/17/04			
APPROVED	T.S	NOV/17/04	TITLE ROME-4 SVT(V0.90)		
CLASS	T.S	NOV/17/04	VCC1R8M		
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NEAR MAX1993



DATE	NOV/17/04	EC NO.	J79027	PART NO.	39T0120
REL				DEVELOPMENT NO.	81 / 88



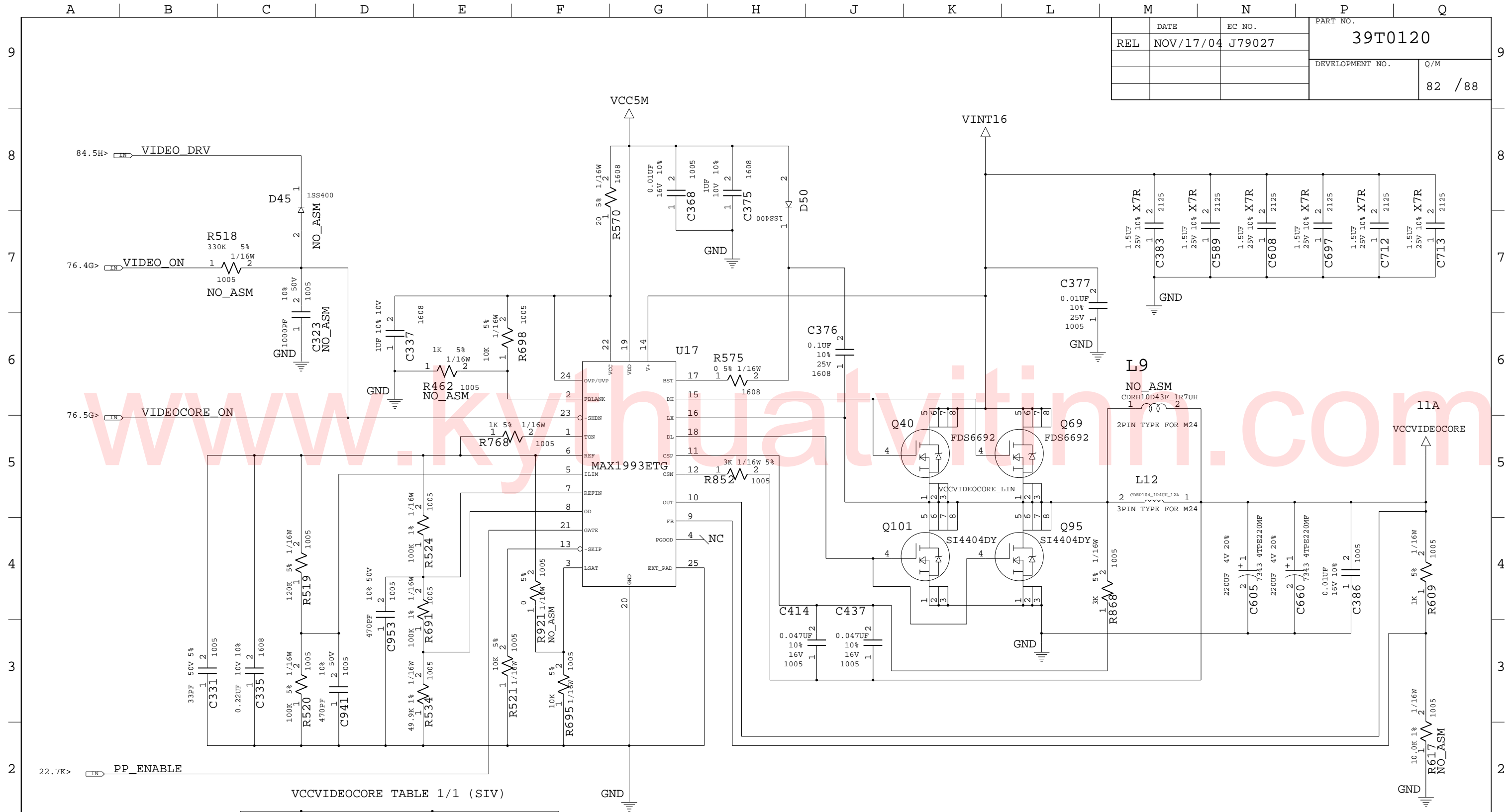
NEAR MAX1540

NEAR MAX1540

DESIGNER	Y.I	NOV/17/04	PART NO.	39T0120	
CHECKED	Y.Y	NOV/17/04	TITLE	ROME-4 SVT(V0.90)	
APPROVED	T.S	NOV/17/04	CLASS	VCC1R8M/VCC1R05B	
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REL	DATE	EC NO.	PART NO.
	NOV/17/04	J79027	39T0120
			DEVELOPMENT NO.
			Q/M
			82 / 88



VCCVIDEOCORE TABLE 1/1 (SIV)

	M22 A12 (1.15V)	M24 A22 (1.2V)
R534	35.7K 1%	49.9K 1%

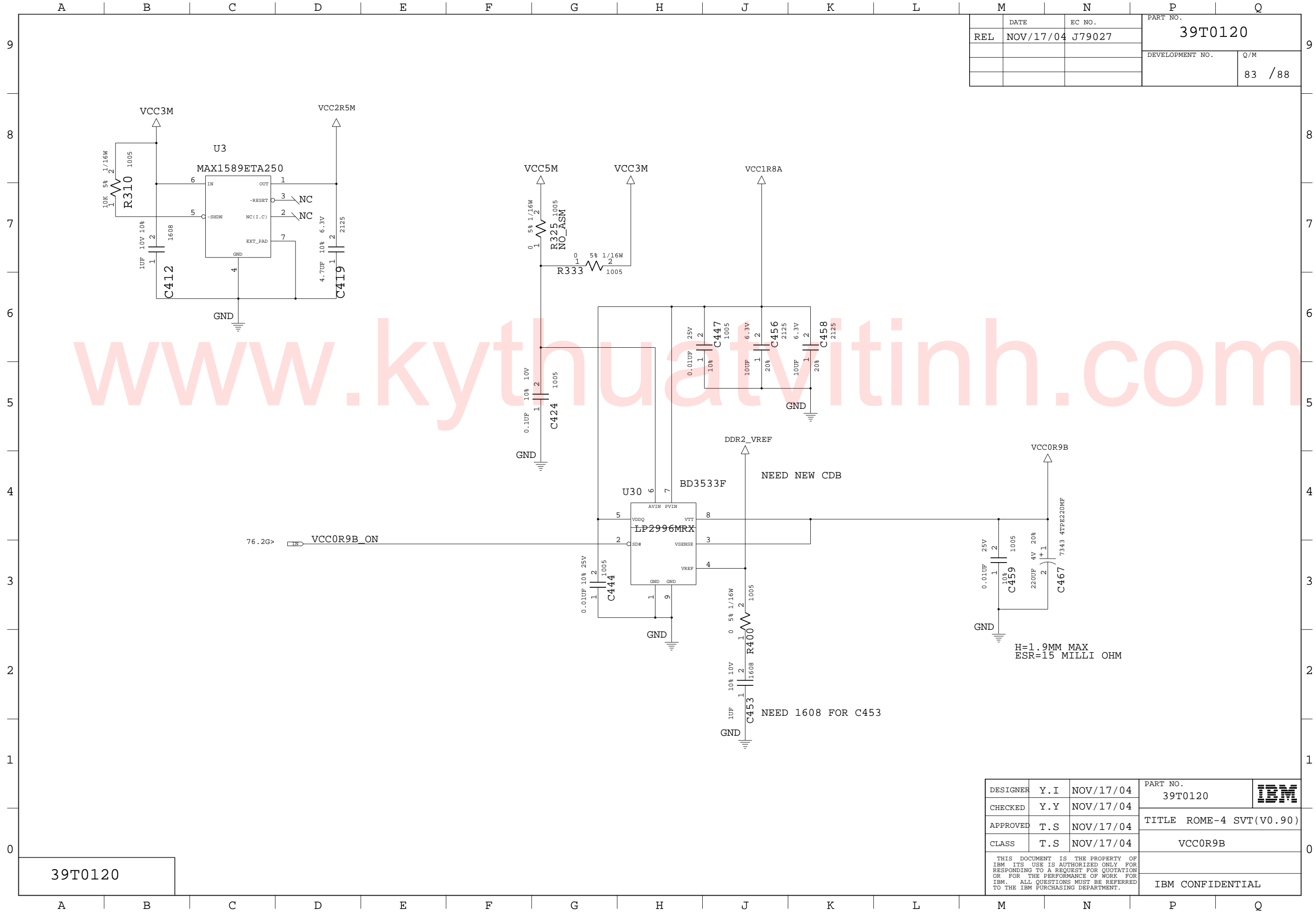
LOGIC

DESIGNER	Y.I	NOV/17/04	PART NO.	39T0120	
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APPROVED	T.S	NOV/17/04	TITLE	ROME-4 SVT(V0.90)	
CLASS	T.S	NOV/17/04		VCCVIDEO	
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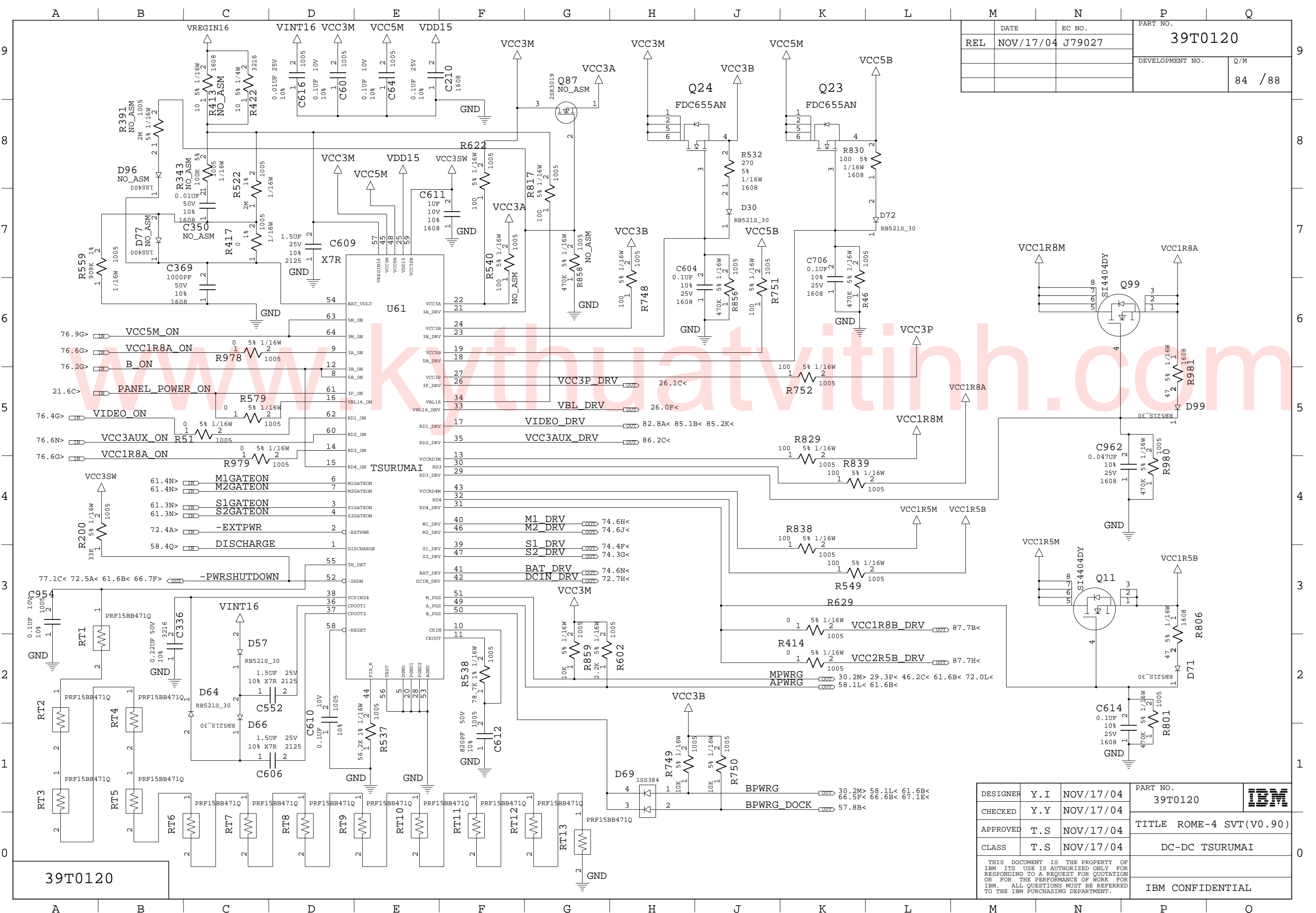
NEAR MAX1993

	DATE	EC NO.	PART NO.	
REL	NOV/17/04	J79027	39T0120	
			DEVELOPMENT NO.	Q/M
				83 / 88



39T0120

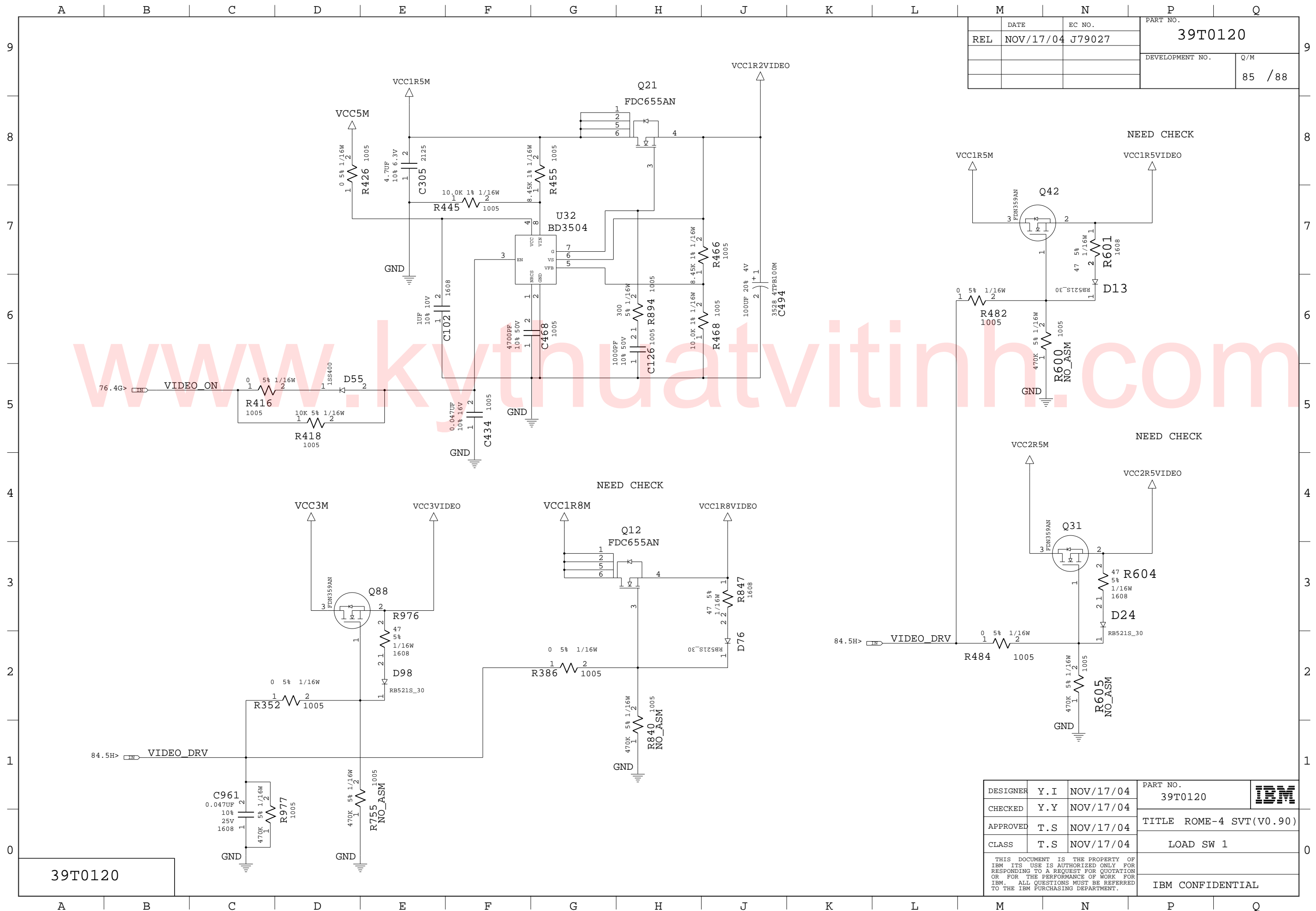
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CLASS	T.S	NOV/17/04	VCC0R9B		
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	NOV/17/04	J79027	39T0120
			DEVELOPMENT NO.
			Q/M
			84 / 88

39T0120

DESIGNER	Y.I	NOV/17/04	PART NO.	39T0120	
CHECKED	Y.Y	NOV/17/04	TITLE	ROME-4 SVT(V0.90)	
APPROVED	T.S	NOV/17/04	CLASS	DC-DC TSURUMAI	
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DATE	EC NO.	PART NO.	
REL NOV/17/04	J79027	39T0120	
		DEVELOPMENT NO.	Q/M
			85 / 88

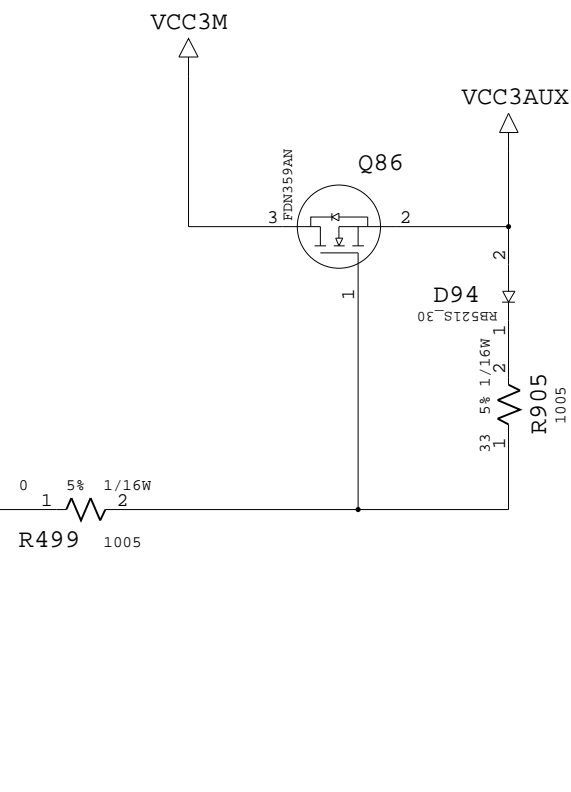
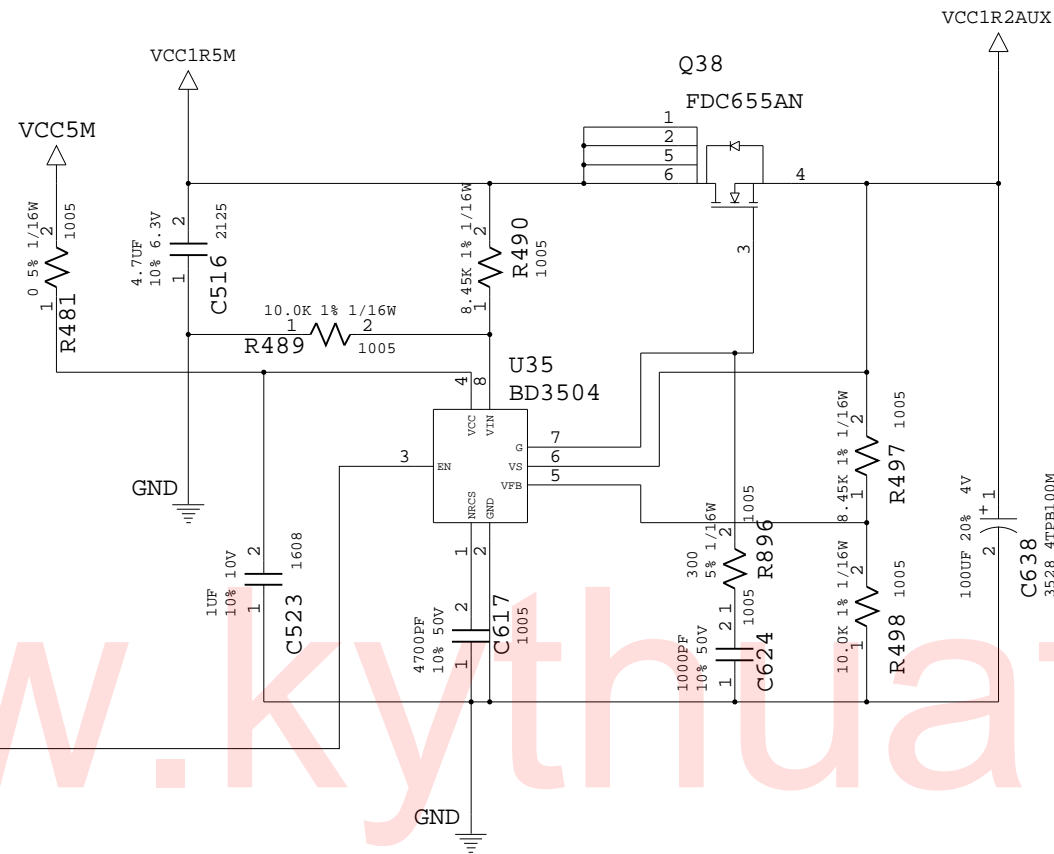
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DESIGNER	Y.I	NOV/17/04	PART NO.	39T0120	IBM
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APPROVED	T.S	NOV/17/04	TITLE ROME-4 SVT(V0.90)		
CLASS	T.S	NOV/17/04	LOAD SW 1		
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	DATE	EC NO.	PART NO.
REL	NOV/17/04	J79027	39T0120
			DEVELOPMENT NO.
			Q/M
			86 / 88

76.8N> VCC1R2AUX\_ON

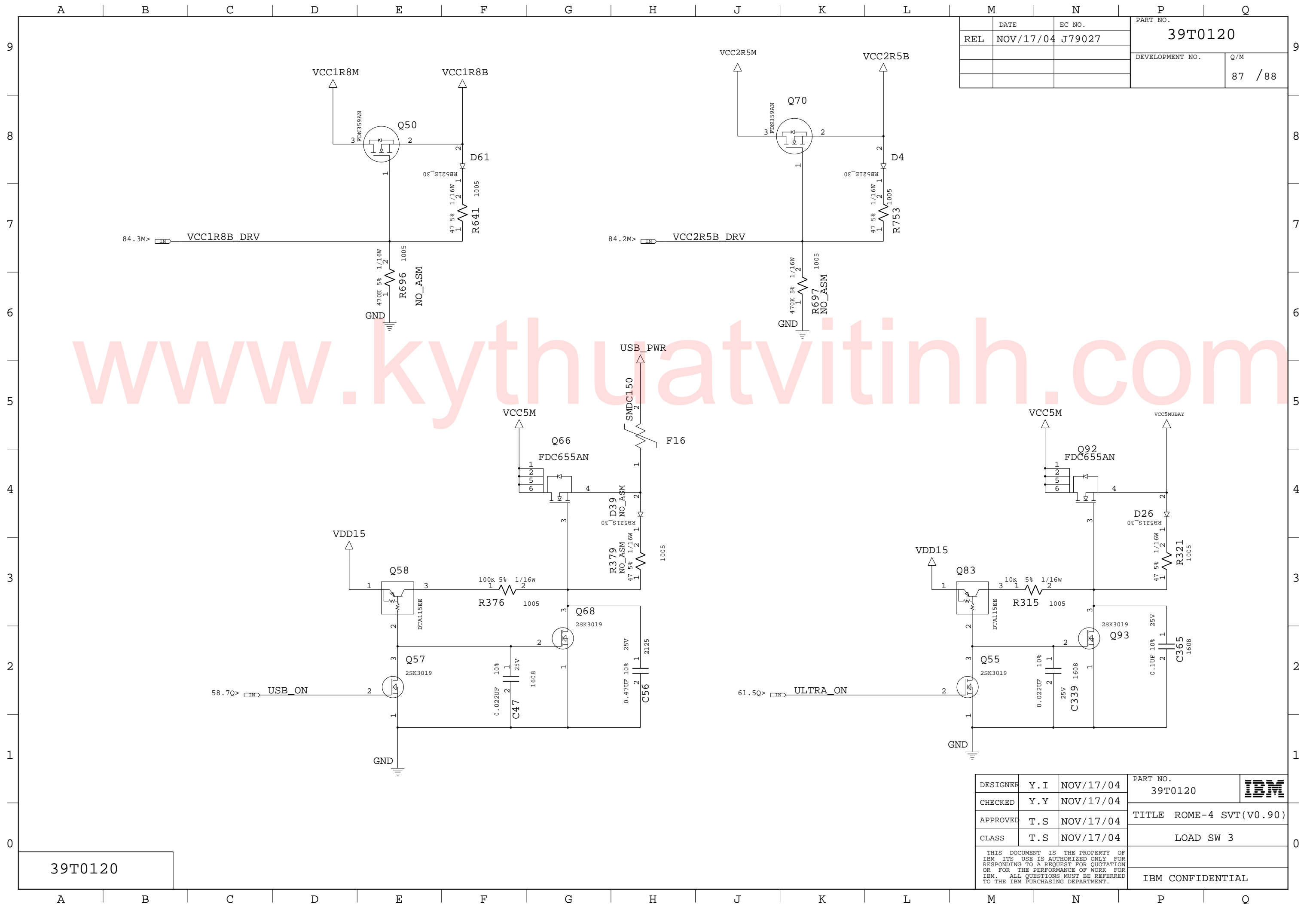
84.5H> VCC3AUX\_DRV



39T0120

DESIGNER	Y.I	NOV/17/04	PART NO.	IBM
CHECKED	Y.Y	NOV/17/04	39T0120	
APPROVED	T.S	NOV/17/04	TITLE ROME-4 SVT(V0.90)	
CLASS	T.S	NOV/17/04	LOAD SW 2	
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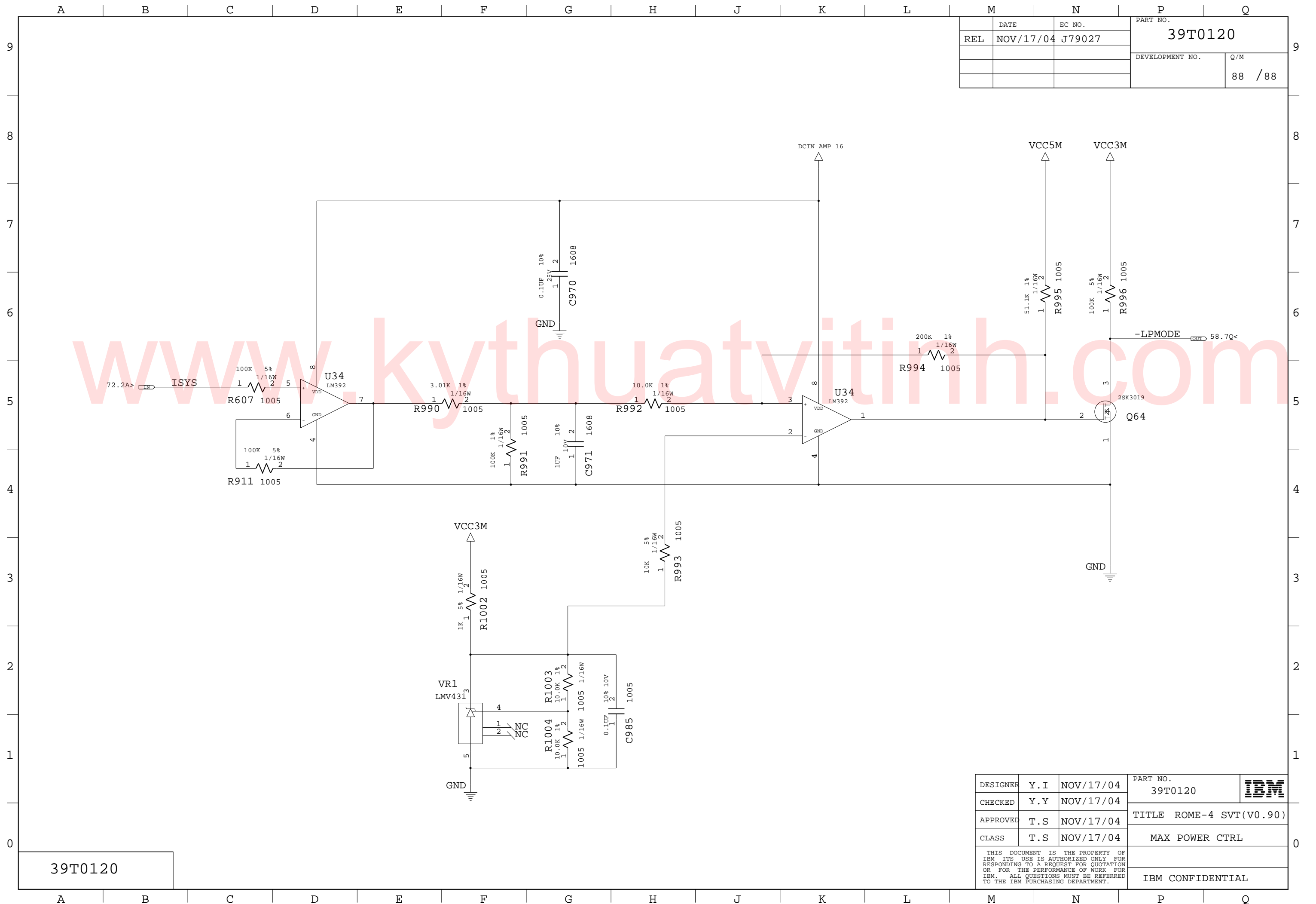




	DATE	EC NO.	PART NO.
REL	NOV/17/04	J79027	39T0120
			DEVELOPMENT NO.
			Q/M
			87 / 88

39T0120

DESIGNER	Y.I	NOV/17/04	PART NO.	39T0120	IBM
CHECKED	Y.Y	NOV/17/04			
APPROVED	T.S	NOV/17/04	TITLE ROME-4 SVT(V0.90)		
CLASS	T.S	NOV/17/04	LOAD SW 3		
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	NOV/17/04	J79027	39T0120	
			DEVELOPMENT NO.	Q/M
			88	/88

39T0120

DESIGNER	Y. I	NOV/17/04	PART NO.	39T0120	
CHECKED	Y. Y	NOV/17/04			
APPROVED	T. S	NOV/17/04	TITLE ROME-4 SVT(V0.90)		
CLASS	T. S	NOV/17/04	MAX POWER CTRL		
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