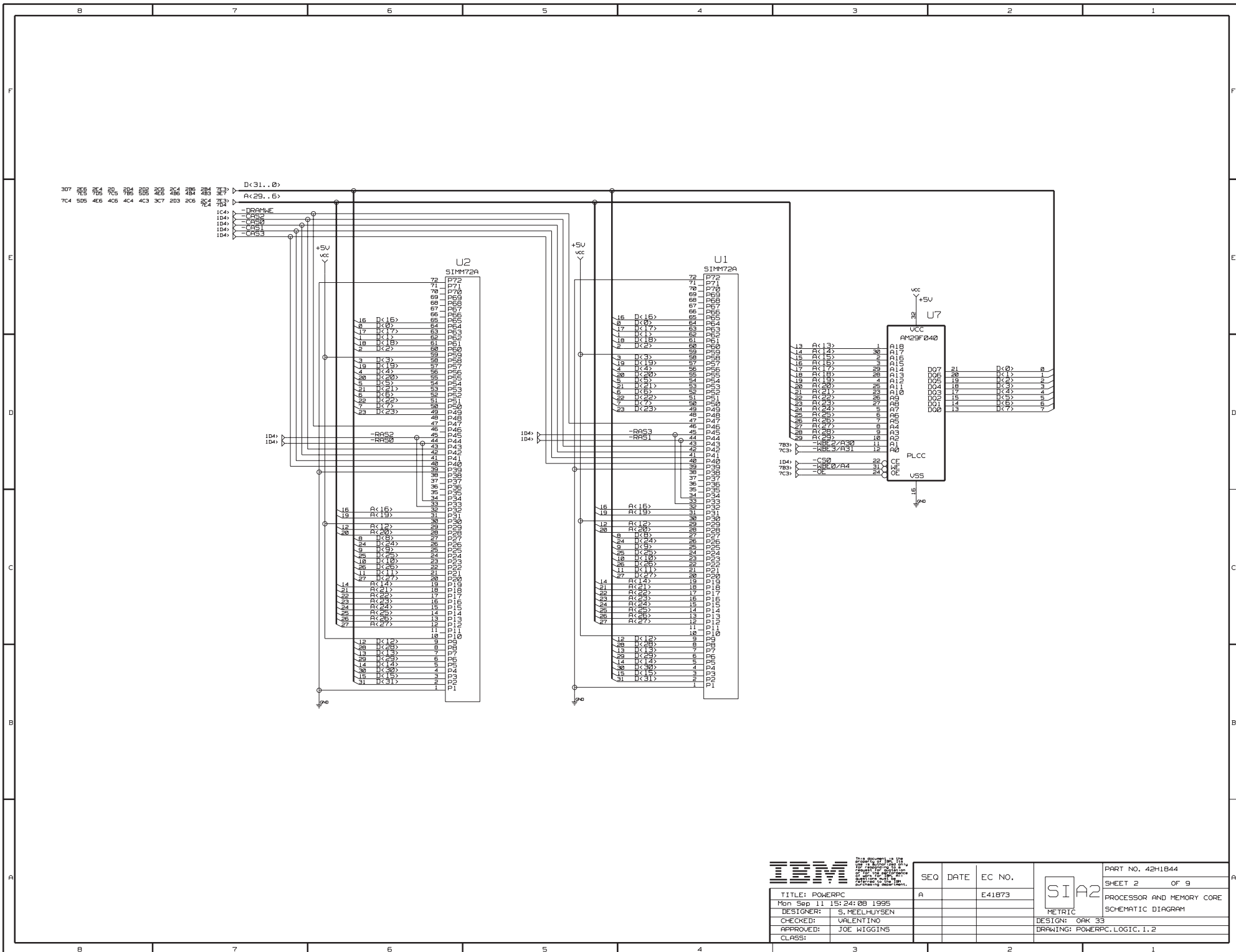
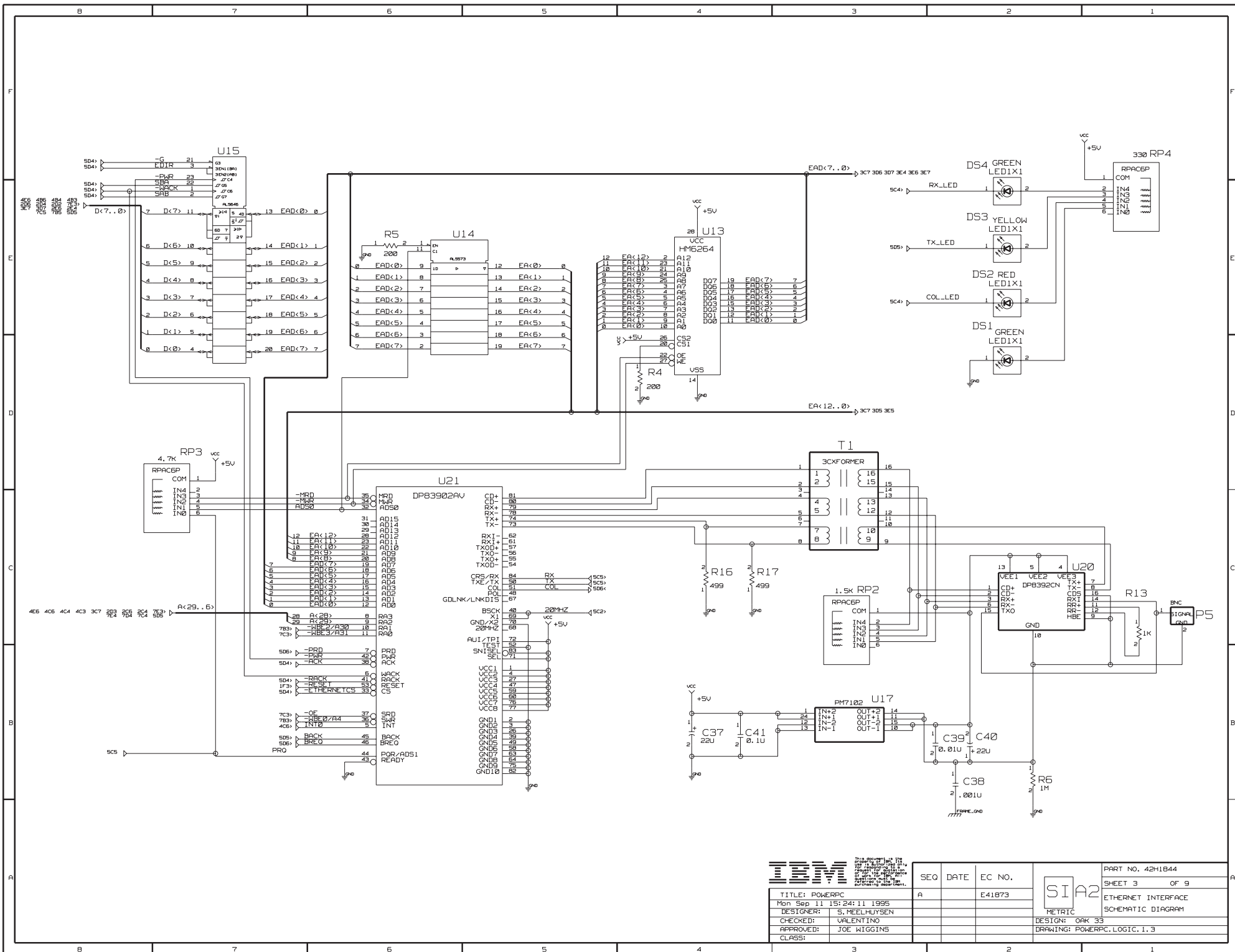


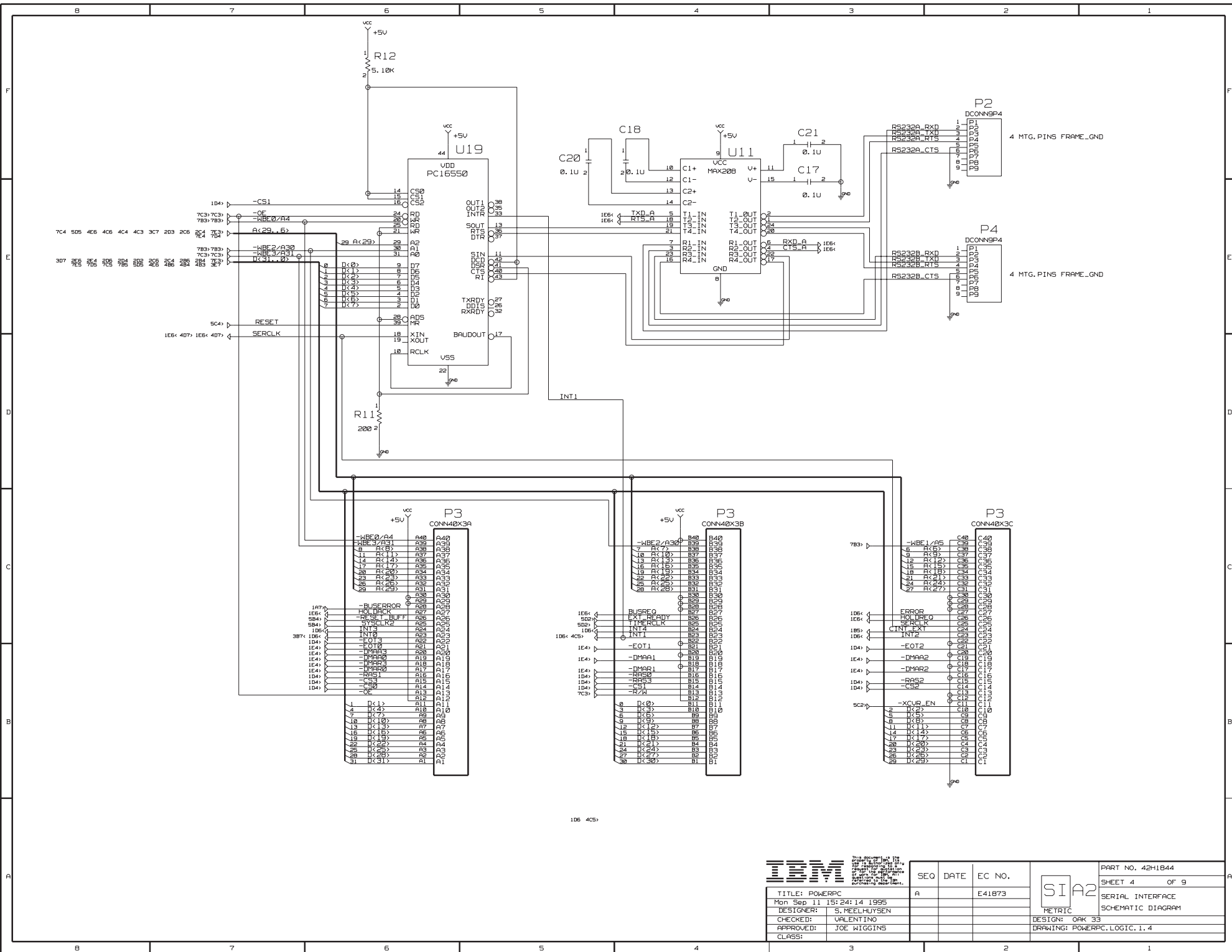
		SEQ DATE EC NO. A 		PART NO. 42H1B44 SHEET 1 OF 9 PROCESSOR AND MEMORY CORE SCHEMATIC DIAGRAM METRIC DESIGN: OAK 33 DRAWING: POWERPC.LOGIC.1.1	
TITLE: POWERPC Mon Sep 11 15:24:05 1995 DESIGNER: S. PEELHUYSEN CHECKED: VALENTINO APPROVED: JOE WIGGINS CLASS:					



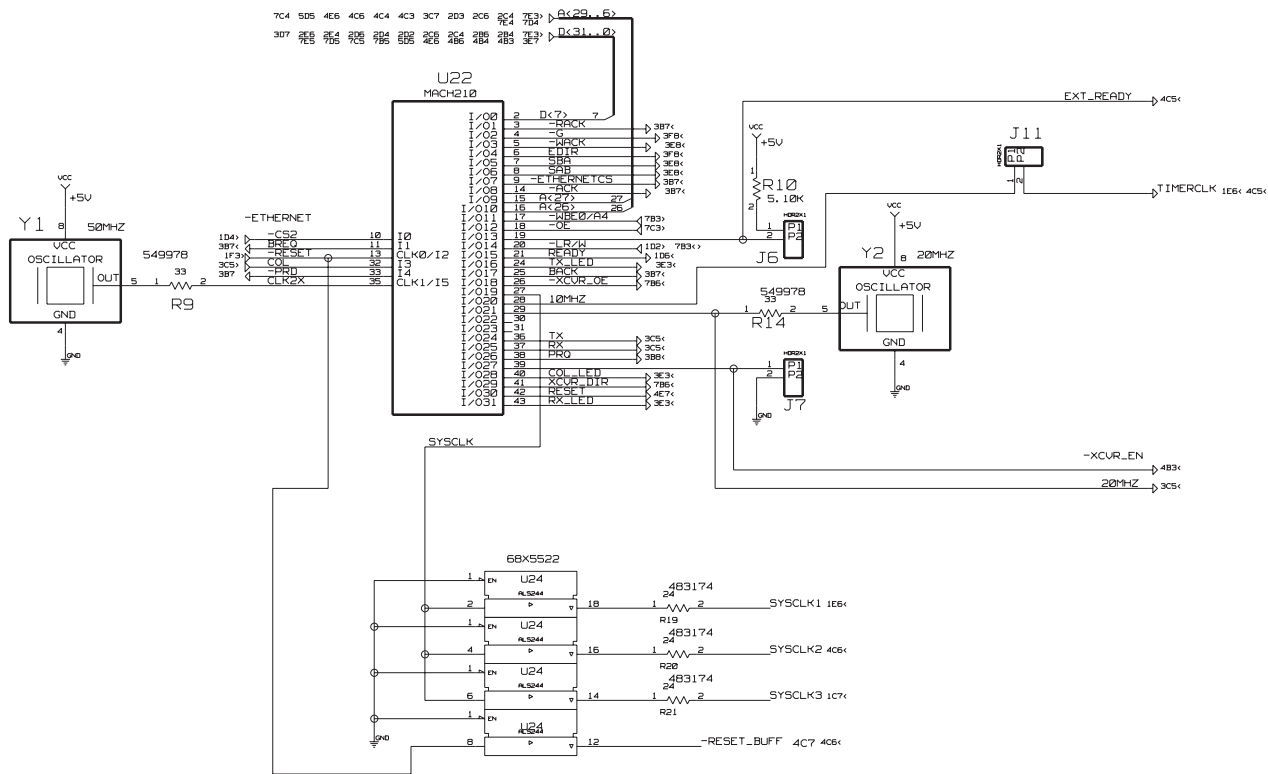
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	TITLE: POWERPC	A		E41873	SHEET 2 OF 9		
	Mon Sep 11 15:24:08 1995				PROCESSOR AND MEMORY CORE		
	DESIGNER: S. MELHUYSEN				SCHEMATIC DIAGRAM		
	CHECKED: VALENTINO				DESIGN: OAK 33		
APPROVED: JOE WIGGINS				DRAWING: POWERPC.LOGIC.1.2			
CLASS:							



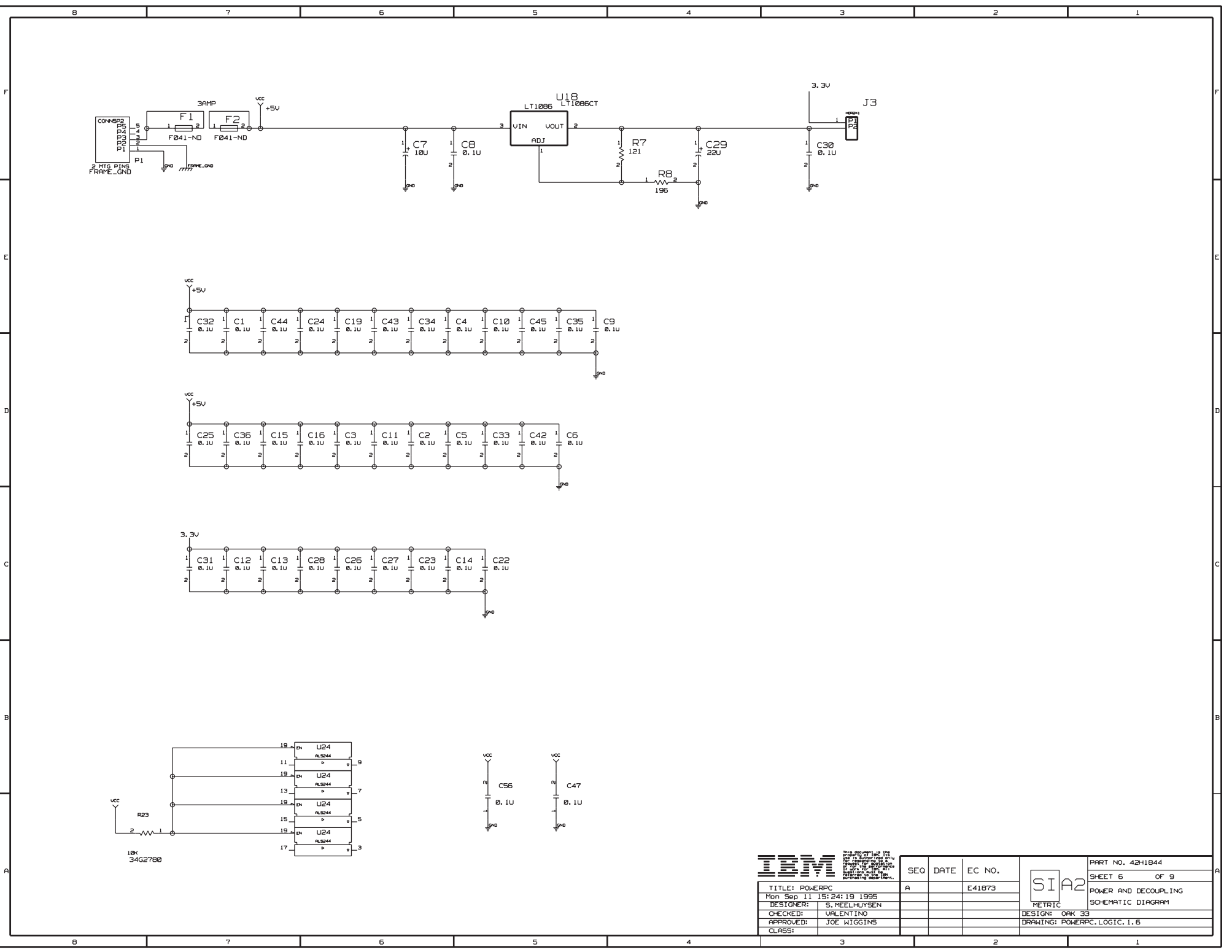
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	A		E41873	SHEET 3	OF 9		ETHERNET INTERFACE	
	TITLE: POWERPC Mon Sep 11 15:24:11 1995 DESIGNER: S. MELLIJUSEN			METRIC DESIGN: OAK 33 DRAWING: POWERPC.LOGIC.1.3			SCHMATIC DIAGRAM	
	CHECKED: VALENTINO APPROVED: JOE WIGGINS CLASS:							



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	A		E41B73	SHEET 4	OF 9		SERIAL INTERFACE	
	TITLE: POWERPC Mon Sep 11 15:24:14 1995			METRIC DESIGN: OAK 33 DRAWING: POWERPC.LOGIC.1.4			SHEMATIC DIAGRAM	
	DESIGNER: S. PEELHUYSEN							
	CHECKED: VALENTINO							
APPROVED: JOE WIGGINS								
CLASS:								

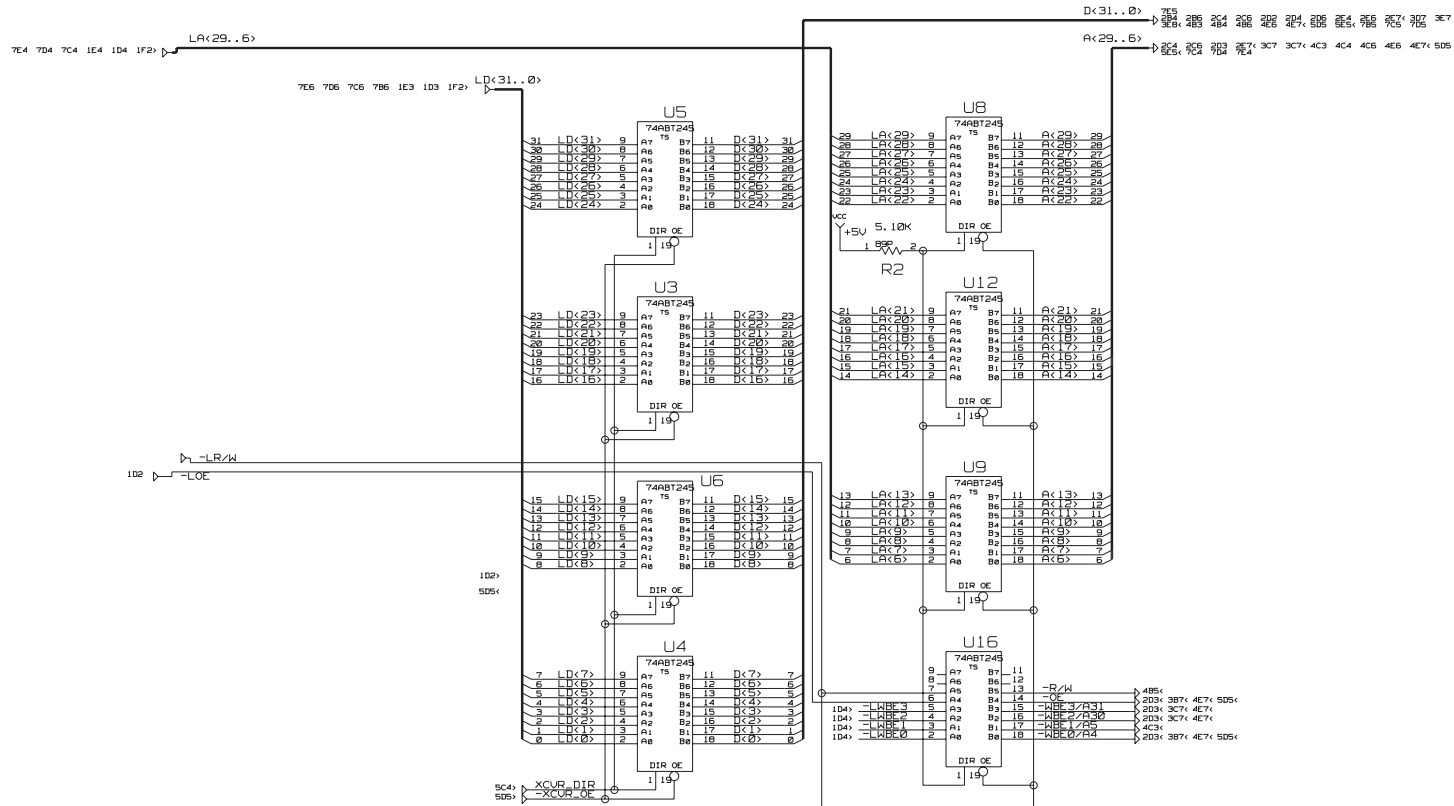


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	TITLE: POWERPC	A		E41873		SHEET 5 OF 9
	Mon Sep 11 15:24:17 1995					GLUE LOGIC
	DESIGNER: S. MELHUYSSEN					SCHMATIC DIAGRAM
	CHECKED: VALENTINO					METRIC
APPROVED: JOE WIGGINS				DESIGN: OAK 33		
CLASS:					DRAWING: POWERPC.LOGIC.1.5	



TITLE: POWERPC  
 Mon Sep 11 15:24:19 1995  
 DESIGNER: S.MEELHUYSEN  
 CHECKED: VALENTINO  
 APPROVED: JOE WIGGINS  
 CLASS:

SEQ	DATE	EC NO.	PART NO. 42H1844
A		E41873	SHEET 6 OF 9
SIA2 METRIC			POWER AND DECOUPLING SCHEMATIC DIAGRAM
DESIGN: OAK 33			DRAWING: POWERPC.LOGIC.1.6



TITLE: POWERPC  
 Mon Sep 11 15:24:23 1995  
 DESIGNER: S. MELHUYSEN  
 CHECKED: VALENTINO  
 APPROVED: JOE WIGGINS  
 CLASS:

SEQ	DATE	EC NO.
A		E41B73

PART NO. 42H1B44
SHEET 7 OF 9
PROCESSOR AND MEMORY CORE
SCHEMATIC DIAGRAM
METRIC
DESIGN: OAK 33
DRAWING: POWERPC.LOGIC.1.7



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F  
E  
D  
C  
B  
A

F  
E  
D  
C  
B  
A

\*\*\* Signal Cross-Reference \*\*\*  
 --- for the entire design ---

+5V 1B6 1D3 1D6 1E7 1F5 1F7 2E3 2E5 2E6  
 3B4 3C5 3D4 3D7 3E4 3F1 4C4 4C6 4F4  
 4F5 5D4 5D7 6D7 6E7 6F7 7D4

-ACK 5D4 3B7<  
 -BUSERR0R 1A7 4C6<  
 -CRS0 1D4 2E7<  
 -CRS1 1D4 2E7<  
 -CRS2 1D4 2E7<  
 -CRS3 1D4 2E7<  
 -CS0 1D4 2D3< 4B6<  
 -CS1 1D4 4B5< 4E7<  
 -CS2 1D4 4B3< 5D6<  
 -CS3 1D4 4B6<  
 -DWR00 1E4 4B6<  
 -DWR01 1E4 4B5<  
 -DWR02 1E4 4B6<  
 -DWR03 1E4 4B6<  
 -DWR04 1E4 4B6<  
 -DWR05 1E4 4B5<  
 -DWR06 1E4 4B3<  
 -DWR07 1E4 4B6<  
 -DWR08 1E4 4B5<  
 -DWR09 1E4 4B3<  
 -DWR10 1E4 4B6<  
 -DWR11 1E4 4B5<  
 -DWR12 1E4 4B3<  
 -DWR13 1E4 4B6<  
 -DWR14 1E4 4B5<  
 -DWR15 1D4 4B3<  
 -DWR16 1D4 4C6<  
 -ETHERNETCS 5D4 3B7<  
 -G 5D4 3F8<  
 -HPLT 1B6  
 -LOE 1D2 7C7<  
 -LR/4 1D2 7B3< 5D5<  
 -LWBE0 1D4 7B4<  
 -LWBE1 1D4 7B4<  
 -LWBE2 1D4 7B4<  
 -LWBE3 1D4 7C4<  
 -MRD 3C7  
 -MR 3C7  
 -OE 7C3 2D3 3B7 4E7 5D5<  
 -PRD 5D6 3B7<  
 -PR 3B7 3E8  
 -RA 7C3 4B5<  
 -RACK 5D4 3B7<  
 -R000 1D4 2D7 4B5<  
 -R001 1D4 2D5 4B6<  
 -R002 1D4 2D7 4B3<  
 -R003 1D4 2D5 4B5<  
 -RESET 1F3 3B7 5D6<  
 -RESET\_BUFF 5B4 4C6<  
 -WACK 5D4 3E8<  
 -WBE0/A4 7B3 2D3 3B7 4E7 5D5<  
 -WBE1/A5 7B3 4C3<  
 -WBE2/A30 7B3 2D3 3C7 4E7<  
 -WBE3/A31 7C3 2D3 3C7 4E7<  
 -XDR\_LEN 5C2 4B3<  
 -XDR\_OC 5D5 7B5<  
 3.3V 1B3 6C7 6F3  
 J0PHZ 5D5  
 Z0PHZ 5C2 3C5<  
 A (29..6) 7E3 2C4 2C6 2D3 2E7 3C7 3C7 4C3  
 4C4 4C6 4E6 4E7 5D5 5E5 7C4 7D4  
 7E4  
 A0S0 3C7  
 B0X 5D6 3B7<  
 B0074 1E5  
 BRCO 5D6 3B7<  
 BUREO 4C5 1E6<  
 CNT\_EXT 1B5 4C3<  
 CLKX 5D6  
 COL 3C5 5D6<  
 COL\_LED 5C4 3E3<  
 CTS\_A 4E3 1E6<  
 D (31..0) 7E3 2B4 2B6 2C4 2C6 2D2 2D4 2D6  
 2E4 2E6 2E7 3D7 3E7 3E8 4B3 4B4  
 4B5 4E6 4E7 5D5 5E5 7B5 7C5 7D5  
 7E5  
 EA (12..0) 3D3 3C7 3D5 3E5  
 EAD (7..0) 3F3 3C7 3D5 3D7 3E4 3E6 3E7  
 EDIR 5D4 3F8<  
 ERROR 4C3 1D6<  
 EXT\_READY 5D2 4C5<  
 FREQRNG0 1B6  
 FREQRNG1 1B6  
 HOLDX 4C6 1D6<  
 HOLDY 4C3 1E6<  
 INT0 4C6 1D6 3B7<  
 INT1 4C5 1D6<  
 INT2 4C3 1D6<  
 INT3 4C6 1D6<  
 INT4 4C5 1D6<  
 LA (29..6) 1F2 1D4 1E4 7C4 7D4 7E4 7E7<  
 LD (31..0) 1F2 1D3 1E3 7B6 7C6 7D6 7E6 7E6<  
 7E6  
 PRO 5C5 3B6<  
 READY 5D4 1D6<  
 RESET 5C4 4E7<  
 RS232A\_CTS 4F3  
 RS232A\_RTS 4F3  
 RS232A\_RXD 4F3  
 RS232A\_TXD 4F3  
 RS232B\_CTS 4E3  
 RS232B\_RTS 4E3  
 RS232B\_RXD 4E3  
 RS232B\_TXD 4E3  
 RTS\_A 4E5 1E6<  
 RX 5C5 3C5

RXD\_A 4E3 1E6<  
 RXLED 5C4 3E3<  
 SBB 5D4 3E8<  
 SBA 5D4 3E8<  
 SERCLK 4D7 1E6<  
 SYSCLK 5C5  
 SYSCLK1 5B4 1E6<  
 SYSCLK2 5B4 4C6<  
 SYSCLK3 5B4 1C7<  
 TCK 1B6  
 TDI 1B6  
 TESTA 1C6  
 TESTB 1B6  
 TIMERCLK 5D2 1E6 4C5<  
 TSB 1D6  
 TSI 1D6  
 TSP 1D6  
 TSS 1D6  
 TSS 1D6  
 TSS 1D6  
 TX 5C5 3C5<  
 TXD\_A 4E5 1E6<  
 TX\_LED 5D5 3E3<  
 XCVL\_DIR 5C4 7B6<



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TITLE: NO TITLE		SEQ: A	DATE: Mon Sep 11 15:24:03 1995	EC NO.: E41B73		PART NO. 42H1B44
DESIGNER:		CHECKED:		SHEET 8 OF 9		
APPROVED:		DESIGN: OAK 33		CROSS REFERENCE		
CLASS:		DRAWING: CREFOUT.LOGIC.1.B				



\*\*\* Unit Cross-Reference \*\*\*  
 --- for the entire design ---

C1 CAPACITOR 6E7  
 C2 CAPACITOR 6D6  
 C3 CAPACITOR 6D6  
 C4 CAPACITOR 6E6  
 C5 CAPACITOR 6D6  
 C6 CAPACITOR 6D6  
 C7 CAPACITOR 6F6  
 C8 CAPACITOR 6F5  
 C9 CAPACITOR 6E5  
 C10 CAPACITOR 6E5  
 C11 CAPACITOR 6D6  
 C12 CAPACITOR 6C7  
 C13 CAPACITOR 6C7  
 C14 CAPACITOR 6C6  
 C15 CAPACITOR 6D7  
 C16 CAPACITOR 6D6  
 C17 CAPACITOR 4F3  
 C18 CAPACITOR 4F5  
 C19 CAPACITOR 6E5  
 C20 CAPACITOR 4F5  
 C21 CAPACITOR 4F3  
 C22 CAPACITOR 6C5  
 C23 CAPACITOR 6C6  
 C24 CAPACITOR 6E6  
 C25 CAPACITOR 6D7  
 C26 CAPACITOR 6C6  
 C27 CAPACITOR 6C6  
 C28 CAPACITOR 6C6  
 C29 CAPACITOR 6F4  
 C30 CAPACITOR 6F3  
 C31 CAPACITOR 6C7  
 C32 CAPACITOR 6E7  
 C33 CAPACITOR 6D6  
 C34 CAPACITOR 6E6  
 C35 CAPACITOR 6E5  
 C36 CAPACITOR 6D7  
 C37 CAPACITOR 3B4  
 C38 CAPACITOR 3B2  
 C39 CAPACITOR 3B2  
 C40 CAPACITOR 3B2  
 C41 CAPACITOR 3B4  
 C42 CAPACITOR 6D6  
 C43 CAPACITOR 6E6  
 C44 CAPACITOR 6E7  
 C45 CAPACITOR 6E5  
 C47 CAPACITOR 6B5  
 C56 CAPACITOR 6B5  
 D51 LED1X1 3E2  
 D52 LED1X1 3E2  
 D53 LED1X1 3E2  
 D54 LED1X1 3F2  
 F1 FUSE 6F7  
 F2 FUSE 6F7  
 J1 WDR2K2X10 1D5  
 J2 WDR2K2X1 1C4  
 J3 WDR2X1 6F3  
 J4 WDR2X1 1C5  
 J5 WDR2X1 1B5  
 J6 WDR2X1 5D4  
 J7 WDR2X1 9C4  
 J8 WDR1X1 1F5  
 J9 WDR3X1 1E5  
 J10 WDR2X1 1F6  
 J11 WDR2X1 5D3  
 P1 CONN9P2 6F8  
 P2 CONN9P4 4F2  
 P3 CONN40X3 4C2 4C4 4C6  
 P4 CONN9P4 4E2  
 P5 BNC6 3C1  
 R1 RESISTOR 1C3  
 R2 RESISTOR 7D4  
 R3 RESISTOR 7B3  
 R4 RESISTOR 3D4  
 R5 RESISTOR 3E5  
 R6 RESISTOR 3E2  
 R7 RESISTOR 6F4  
 R8 RESISTOR 6E4  
 R9 RESISTOR 5D6  
 R10 RESISTOR 5D4  
 R11 RESISTOR 4D6  
 R12 RESISTOR 4F5  
 R13 RESISTOR 3C1  
 R14 RESISTOR 9C4  
 R15 RESISTOR 1E7  
 R16 RESISTOR 3C4  
 R17 RESISTOR 3C4  
 R18 RESISTOR 1C9  
 R19 RESISTOR 5B4  
 R20 RESISTOR 5B4  
 R21 RESISTOR 5B4  
 R22 RESISTOR 1F4  
 R23 RESISTOR 6A6  
 R24 RESISTOR 1F5  
 R25 RESISTOR 1F6  
 R26 RESISTOR 1C7  
 RP1 BRAC1BP 1B6  
 RP2 BRAC6P 3C3  
 RP3 BRAC6P 3D7  
 RP4 BRAC6P 3F1  
 RP5 BRAC6P 1C6  
 SK1 PLUNGER 1F7  
 SK2 PLUNGER 1B8  
 T1 SOFWORMER 3D3  
 U1 SIMM72A 2C4  
 U2 SIMM72A 2E

U3 74ABT245 7D5  
 U4 74ABT245 7C5  
 U5 74ABT245 7E5  
 U6 74ABT245 7C5  
 U7 A929F24BP 2E3  
 U8 74ABT245 7E4  
 U9 74ABT245 7C4  
 U10 PAC403GA 1B3 1E3 1E5  
 U11 MAX280 4F4  
 U12 74ABT245 7D4  
 U13 H96264 3E4  
 U14 ALS573 3E6  
 U15 ALS646 3F7  
 U16 74ABT245 7C4  
 U17 P4710E 2B3  
 U18 L11085 6F5  
 U19 PC16550 4F6  
 U20 DP8323CN 3C2  
 U21 DP83239A 3D6  
 U22 MACH210 5D5  
 U23 DS1233 1F7  
 U24 ALS244 5B5 6A6 6B6  
 U25 06 1B7 1C7 1C8 1F5 1F5 1F6  
 Y1 OSOHLFD1PA 5D7  
 Y2 OSOHLFD1PA 5D4  
 Y3 OSOHLFD1PA 1E7

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TITLE: NO TITLE		A		E41873	SHEET 9 OF 9			CROSS REFERENCE
Mon Sep 11 15:24:03 1995								DESIGN: OAK 33
DESIGNER:								DRAWING: CREFOUT.LOGIC.1.9
CHECKED:								
APPROVED:								
CLASS:								