

RCM3XX9	RCM3209	RCM3229	RCM3309	RCM3319	RCM3900	RCM3910
FLASH	512K	512K	512K	512K	512K	512K
DATA SRAM	256K	256K	512K	512K	512K	512K
FAST SRAM	512K	512K	512K	512K	512K	512K
SERIAL FLASH	NO	NO	8MB	4MB	NO	NO
NAND FLASH	NO	NO	NO	NO	YES	NO
PE2 DECODER	NO	NO	NO	NO	YES	NO
STATUS LEDES	NO	NO	YES	YES	YES	YES
SD MINI CARD	NO	NO	NO	NO	YES	YES
EXTERNAL SERIAL PORT B	YES	YES	NO	NO	NO	NO
10/100 ETHERNET	YES	NO	YES	YES	YES	YES
ALTERNATE ENET CONNECTION	NO	NO	NO	NO	NO	NO
ALTERNATE ENET LED STATUS	NO	NO	NO	NO	NO	NO
IO READ & WRITE BUFFER	YES	YES	NO	NO	NO	NO
TARGET CORE	RCM3200	RCM3220	RCM3305	RCM3315	RCM3365	RCM3375

FLASH		
UB	256K	512K
JP11	1-2	2-3

FLASH BANK SELECT		
JP12	NORMAL MODE	BANK MODE
	1-2	2-3

DATA SRAM		
U9	256K	512K
JP13	1-2	2-3

FAST SRAM		
U66	NO	YES
C90	---	10nF
C91	---	2.2nF
C92	---	2.2nF
C93	---	10nF

SERIAL FLASH		
U2	NO	YES
C2	---	4MB or 8MB
JP1	---	100nF
	---	1-2

NAND FLASH		
U61	NO	YES
U62	---	32MB
U63	---	74CB3Q3306A
R61	---	74LVC2G32
R64	---	10K
R65	---	10K
C61	---	10K
C62	---	100nF
C63	---	10nF
C64	---	100nF
JP5	---	2-3

PE2 DECODER		
U63	NO	YES
R69	---	74LVC2G32
C64	---	0 ohms
	---	100nF

STATUS LEDES		
R31	NO	YES
R32	---	470 ohms
DS4	---	470 ohms
	---	R/G LED

SD MINI CARD		
U65	NO	YES
Q61	---	74ALVC244
Q63	---	NDS332
R17	---	2N7002
R62	---	10K
R70	---	10K
R76	---	10K
R77	---	10K
R78	---	10K
R79	---	10K
R81	---	10K
R80	---	10K
R90	---	10K
C65	---	100nF
C66	---	100nF
J2	---	SD SOCKET

10/100 ETHERNET		
U7	NO	YES
Y3	---	AX88796BLI
DS1	---	25.0MHz
DS2	---	Y-LED
DS3	---	G-LED
DS4	---	Y-LED
R19	---	49.9 ohms
R20	---	49.9 ohms
R21	---	49.9 ohms
R22	---	49.9 ohms
R23	---	0 ohms
R25	---	470 ohms
R26	---	2M
R28	---	11.8K
R33	---	470 ohms
R34	---	470 ohms
R35	---	470 ohms
R89	---	11.8K
C31	---	10nF
C32	---	100nF
C33	---	4.7uF
C34	---	4.7uF
C35	---	100nF
C36	---	100nF
C37	---	10nF
C38	---	10nF
C39	---	100nF
C40	---	100nF
C43	---	33pF
C44	---	33pF
C45	---	4.7uF
C46	---	100nF
C74	---	10uF
C75	---	10nF
C76	---	10uF
C77	---	100nF
C78	---	100nF
C79	---	10uF
C80	---	10nF
C81	---	10uF
C82	---	4.7uF
C83	---	100nF
C84	---	10nF
C85	---	10nF
C86	---	10nF
C87	---	4.7uF
C88	---	10nF
C89	---	4.7uF
D1	---	BAT54
L1	---	10 ohms
L2	---	10 ohm
L61	---	10 ohm
L62	---	10 ohm
L63	---	10 ohm
L64	---	10 ohm
J3	---	RJ-45

ALTERNATE ENET CONNECTION		
JP2	NO	YES
JP3	1-2	1-2
JP4	1-2	1-2
JP7	2-3	2-3
JP8	2-3	1-2
JP9	2-3 (Note **)	1-2
JP10	2-3	1-2
R86	---	0 ohms

\*\*NOT STUFFED ON RCM39XX

ALTERNATE ENET LED STATUS		
JP14	NO	YES
R29	1-2	2-3
R30	---	11.8K
R37	---	1.0M
C47	---	10nF
C48	---	100nF
Q1	---	2N7002
Q2	---	2N7002
U10	---	74LVC1G123

IO READ & WRITE BUFFER		
U64	NO	YES
R67	---	74LVC2G32
R73	0 ohms	---
C67	---	100nF

EXTERNAL SERIAL PORT B		
R72	NO	YES
R82	---	0 ohms
R83	---	0 ohms

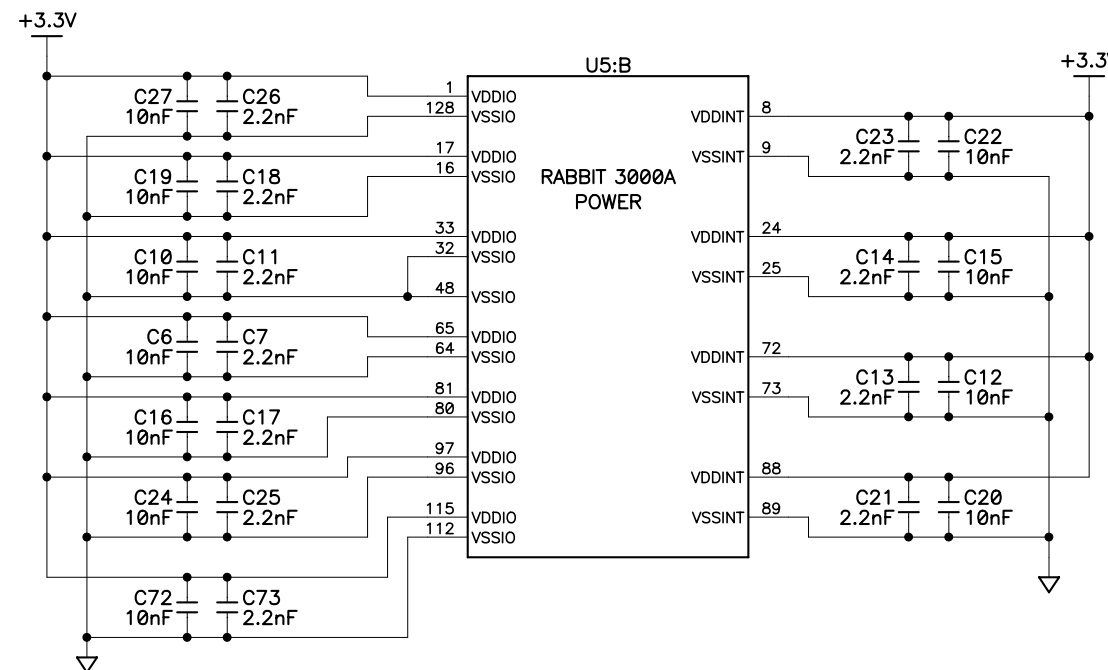
REVISION HISTORY

REVISION APPROVAL

REV	ECO	DESCRIPTION	PROJECT ENGINEER	APPROVAL DATE	DOCUMENT CONTROL	APPROVAL DATE
A		INITIAL RELEASE	VO	xx/xx/xx		xx/xx/xx
B	E15545	UPDATED STUFFING CHARTS	MMK	12/12/07		
C	E15579	UPDATED STUFFING CHARTS	MMK	12/20/07		
D	E15639	UPDATED STUFFING CHARTS ON JP9, CHANGED NET PD2_SDPWR TO PD2_SDCD	TCP	2/20/08		
E	000144	UPDATED STUFFING CHARTS ON C35, C40, J3 AND R81 UPDATED DS1-DS3 COLORS	TCP	4/24/08		

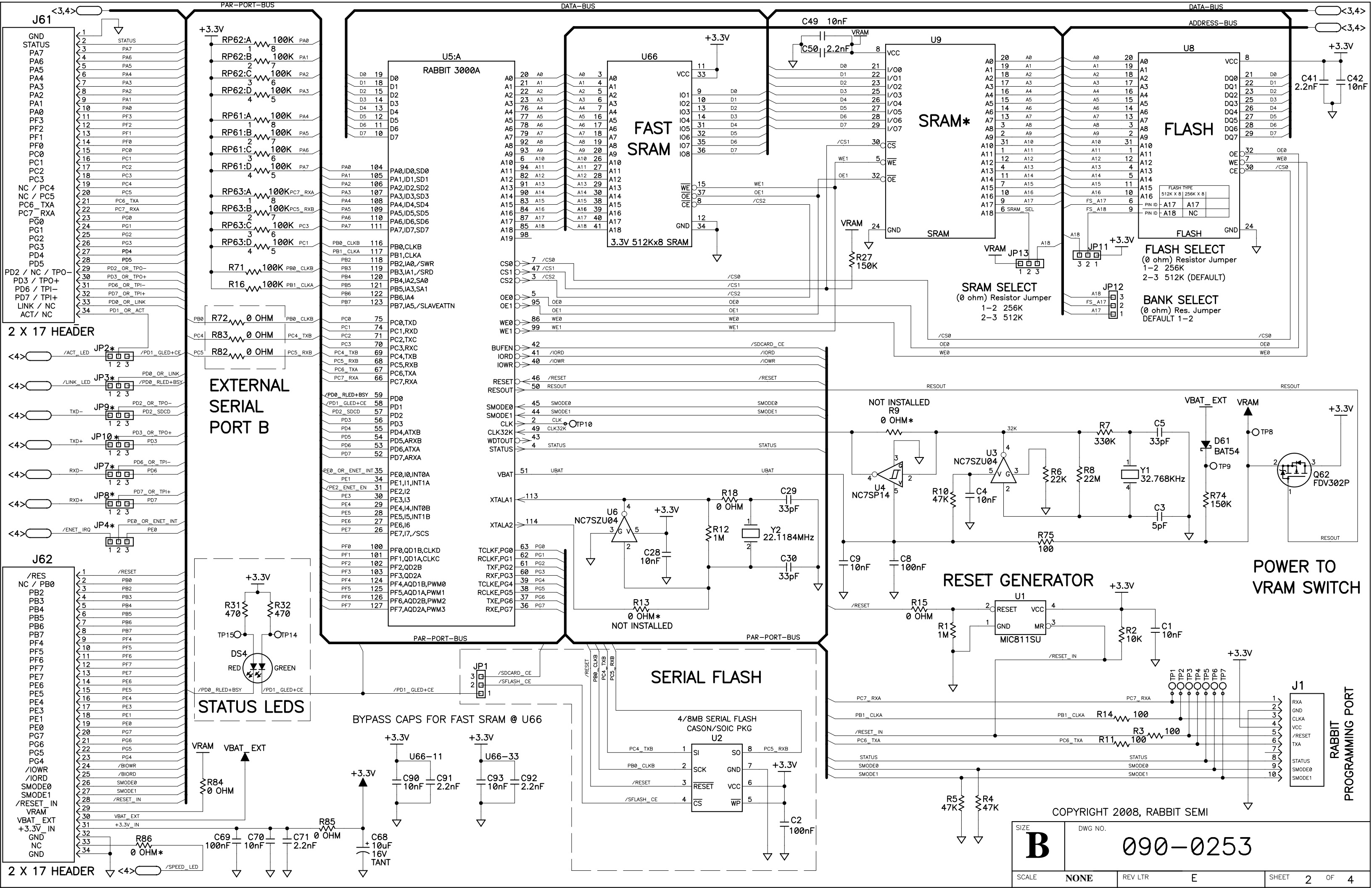
NOTES: UNLESS OTHERWISE SPECIFIED;

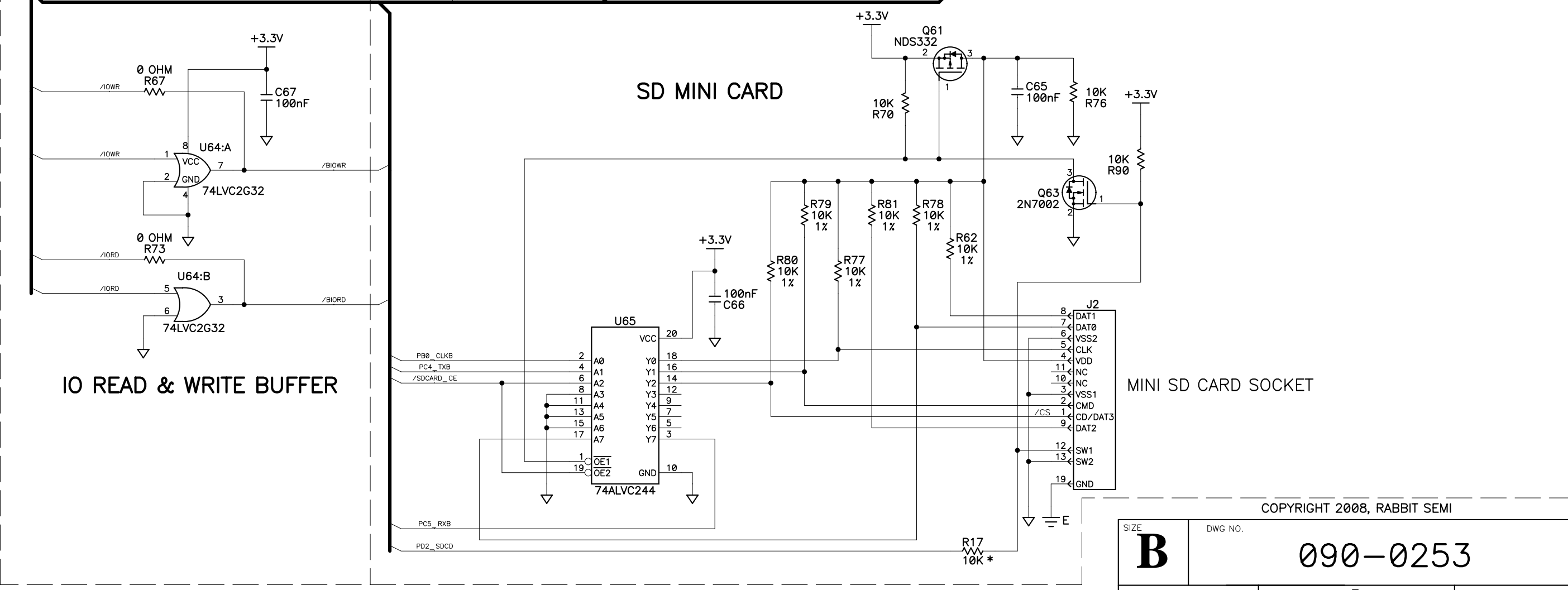
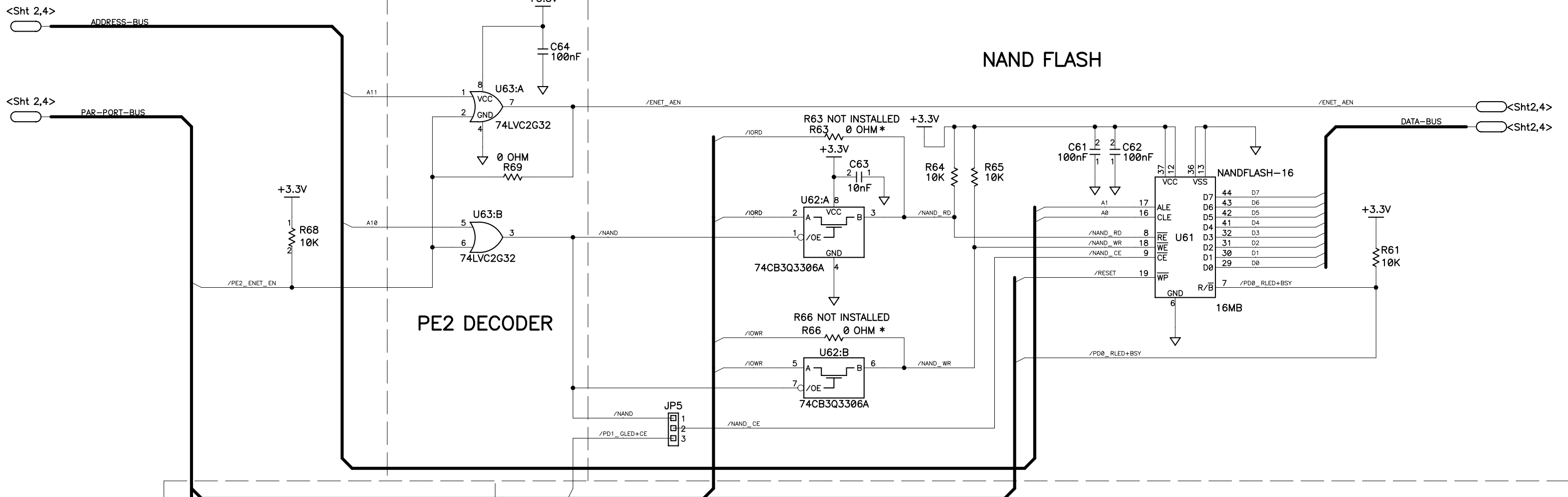
- ALL RESISTOR VALUES ARE IN OHMS, 1/16W, 1%
- ALL CAPACITORS ARE 16VDC OR HIGHER.
- THE ORIGIN SOURCE OF A VOLTAGE IS REPRESENTED BY (VCC), AND ALL REFERENCES TO THAT VOLTAGE ARE REPRESENTED BY (VCC).
- COMPONENT REFERENCE DESIGNATORS 1-60 ARE TOPSIDE THOSE GREATER THAN 60 ARE SOLDER SIDE.
- COMPONENT IN DASHED BOX AND COMPONENT VALUES SHOWN WITH AN ASTERISK (\*) FOLLOWING THE VALUE MAY HAVE DIFFERENT VALUES, OR MAY NOT BE STUFFED.
- REFERENCE DESIGNATORS WITH A NUMERIC VALUE OF 50 OR LESS ARE ON THE TOP SIDE WHILE THOSE WITH A VALUE OF 51 OR GRATER ARE ON THE BOTTOM SIDE.



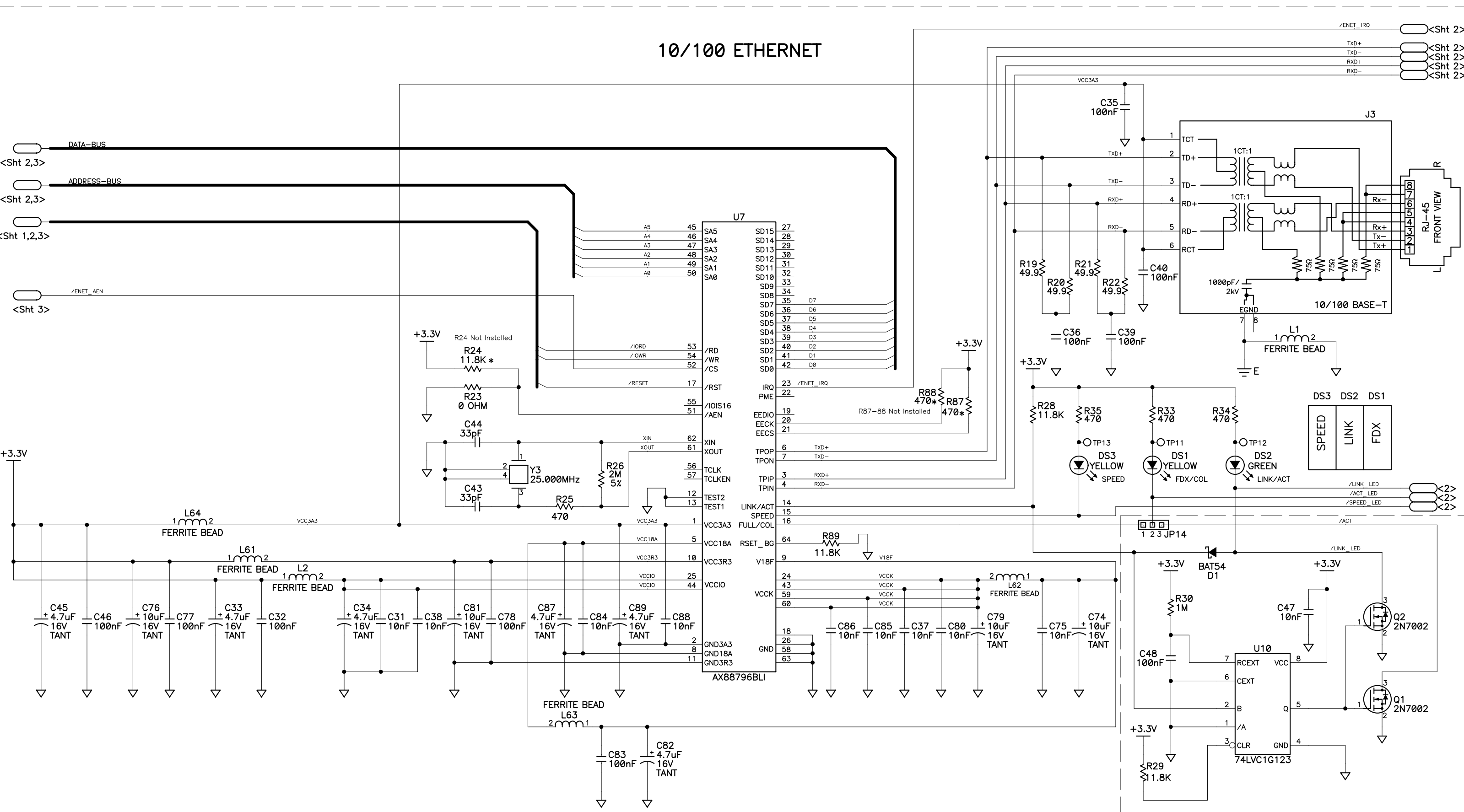
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APPEND THE FOLLOWING DOCUMENTS WHEN CHANGING THIS DOCUMENT:		DRAWING CONTENT:		TITLE	
		DRAWN BY: (INITIAL RELEASE)	12/22/06	RCM39XX/RCM3XX9 CORE MODULE	
		VAN			
		REVISED BY:	Fri May 02, 2008	RABBIT SEMICONDUCTOR www.rabbit.com	
		TCP			
		APPROVALS: INITIAL RELEASE		SIZE <b>B</b> DWG NO. 090-0253	
		PROJECT ENGINEER:		SCALE NONE RELEASE DATE	
		VAN		SHEET 1 OF 4	
		ENGINEERING MANAGER:			
		Xuan Truong			
		SIGNATURES	DATE		





# 10/100 ETHERNET



## ALTERNATE ETHERNET LED STATUS

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SIZE <b>B</b>	DWG NO. <b>090-0253</b>
SCALE <b>NONE</b>	REV LTR <b>E</b>
SHEET <b>4</b> OF <b>4</b>	