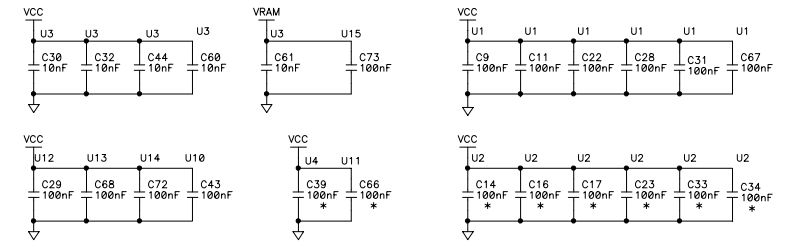


REVISION HISTORY			REVISION APPROVAL			
REV	ECO	DESCRIPTION OF CHANGE	PROJECT ENGINEER	APPROVAL DATE	DOCUMENT CONTROL	APPROVAL DATE
A	E11270	INITIAL RELEASE				

TABLE A


REF DES	DEVICE	DEVICE VOLTAGE INFORMATION					DEVICE: FILTER CAP REF DES(s)
		AGND	GND	VCC	VRAM	NO CONNECTS	
U1	RTL8019AS	14,28,44 52,83,86	6,17,47 57,70,89				C9,11,22,28,31,67
U2	RTL8019AS	14,28,44 52,83,86	6,17,47 57,70,89				C14,16,17,23,33,34
U3	RABBIT 2000	2,27,39 52,77,89	3,28,53 78,92		42		C30,32,44,60 C61 - PIN42 (VRAM)
U4	SP483E	5	8				C39
U10	FLASH	24	8				C43
U11	232A	15	16				C66
U12	FLASH	24	8				C29
U13	74HC257	8	16				C68
U14	ETC811L						C72
U15	SRAM 512,128K	15			32		C73
	SRAM 32K	14			28		
U16	LM2575-5.0					2-6,9,11,13,16,19-24	

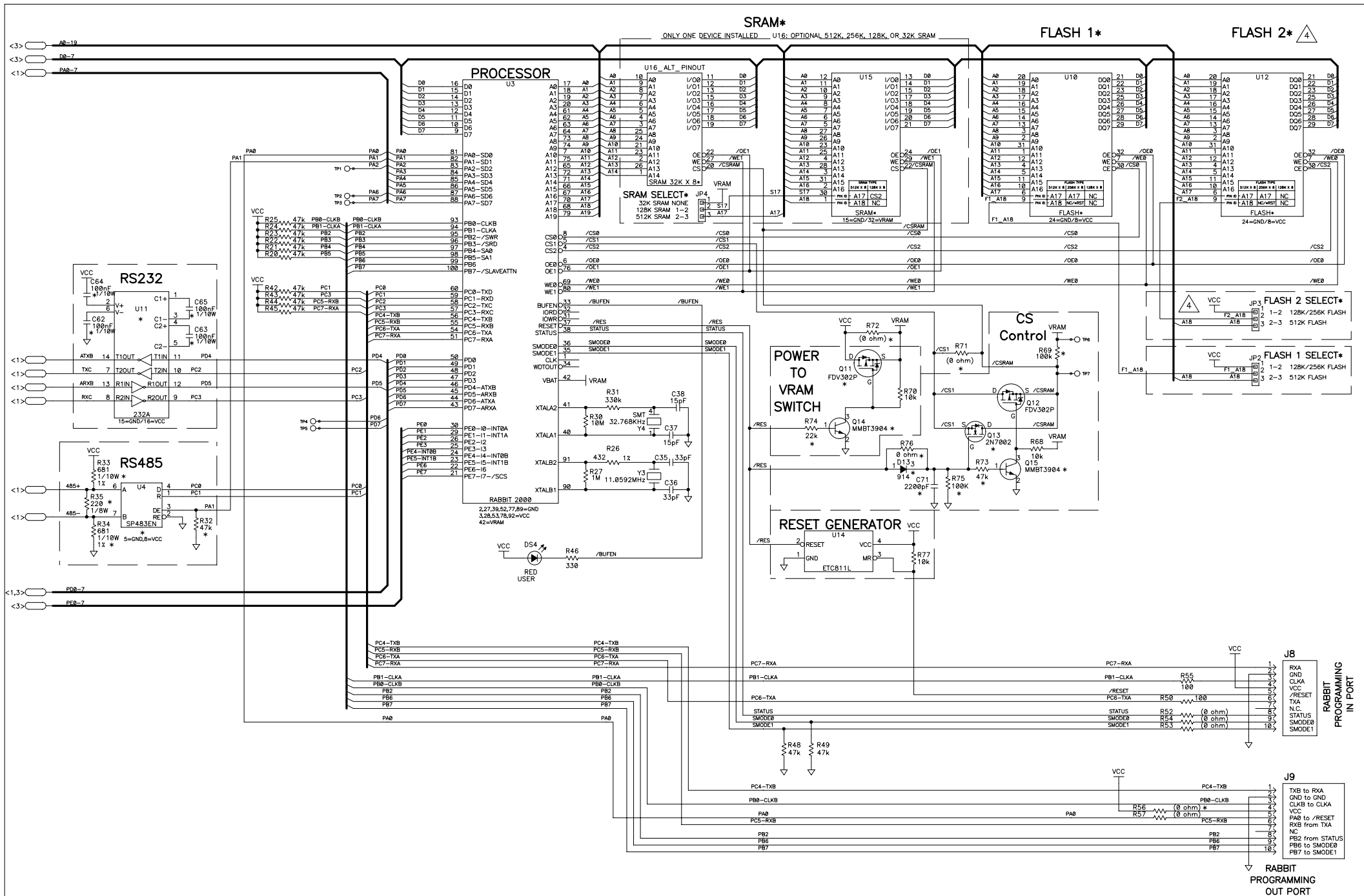
Decoupling Capacitors

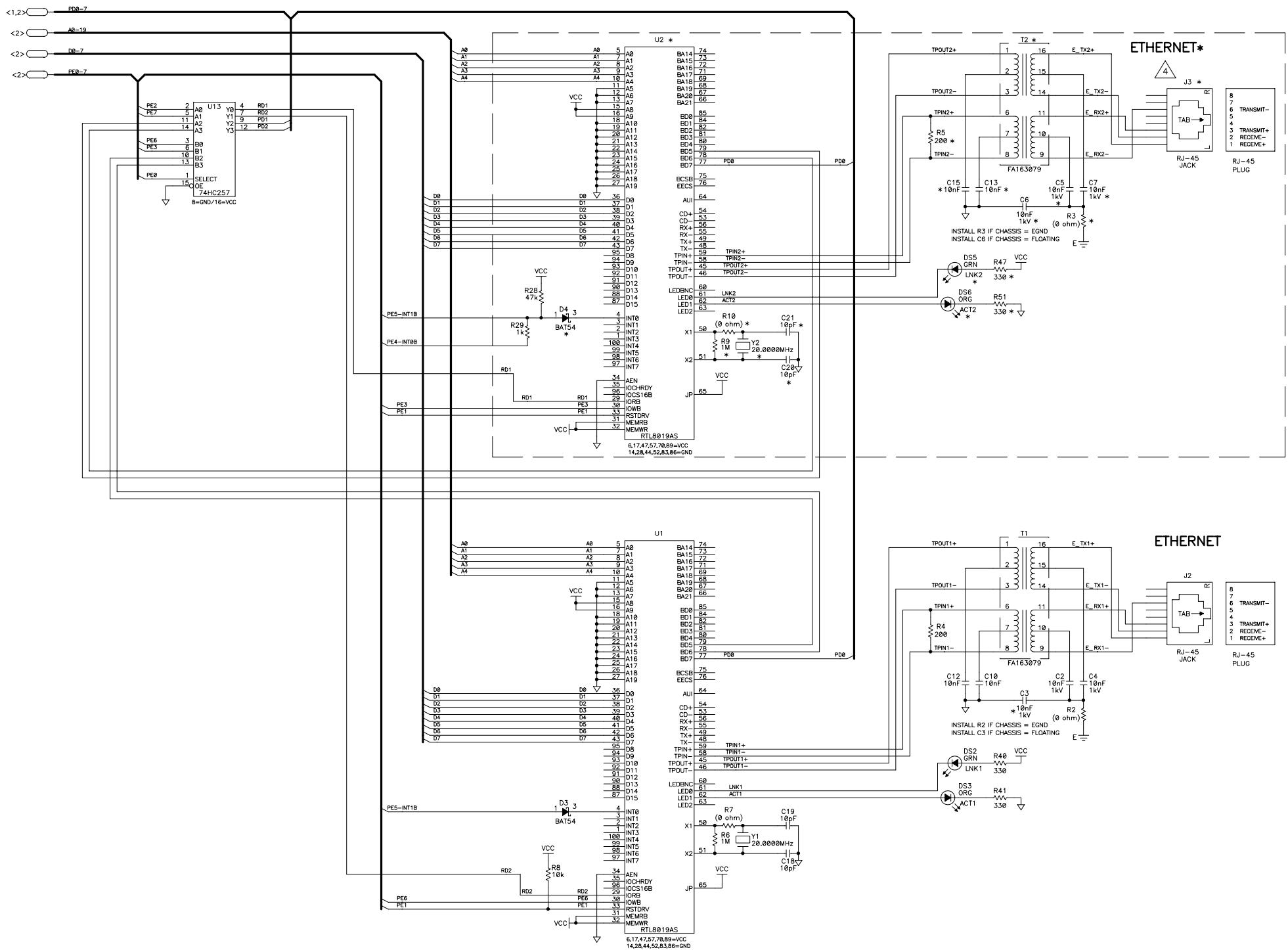


- NOTES: UNLESS OTHERWISE SPECIFIED:
1. ALL RESISTOR VALUES ARE IN OHMS, 1/16W, 5%
 2. ALL CAPACITORS ARE 50VDC OR HIGHER EXCEPT 100NF WHICH ARE 16V.
 3. THE ORIGIN SOURCE OF A VOLTAGE IS REPRESENTED BY (\uparrow VCC), AND ALL REFERENCES TO THAT VOLTAGE ARE REPRESENTED BY (\uparrow VCC).
 4. OUTLINED CIRCUIT MAY NOT BE STUFFED DEPENDING ON MODEL, SEE STUFFING CHART FOR CLARIFICATION.
 5. COMPONENT VALUES SHOWN WITH AN ASTERISK (*) FOLLOWING THE VALUE, MAY HAVE DIFFERENT VALUES, OR MAY NOT BE STUFFED DEPENDING ON MODEL. SEE STUFFING CHART FOR CLARIFICATION..

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APPEND THE FOLLOWING DOCUMENTS WHEN CHANGING THIS DOCUMENT:		DRAWING CONTENT:		TITLE	
		DRAWN BY: (INITIAL RELEASE)		SCHEMATIC DIAGRAM NET GATEWAY	
		KAH	25JUL00		
		REVISED BY: RUH	23 JAN 01		
		APPROVALS: INITIAL RELEASE		 2900 SPAFFORD ST. DAVIS, CA 95616 530 - 757-4616	
		PROJECT ENGINEER:			
		ENGINEERING MANAGER:			
		SIGNATURES	DATE	SCALE	DWG NO.
				NONE	090-0112
				RELEASE DATE	SHEET 1 OF 4





STUFFING TABLE

		MODEL			
CIRCUIT	PART	EG2000	EG2020	EG2100	
BACKUP BATTERY	MAIN	BT1	3V Li	3V Li	NOT INSTALLED
		J1	INSTALLED	INSTALLED	NOT INSTALLED
		R1	100 ohm	100 ohm	NOT INSTALLED
		R63	NOT INSTALLED	NOT INSTALLED	NOT INSTALLED
		R64	NOT INSTALLED	NOT INSTALLED	NOT INSTALLED
		R67	1.3k	1.3k	NOT INSTALLED
	REGULATOR	Q10	5088 npn	5088 npn	NOT INSTALLED
		R65	220k	220k	NOT INSTALLED
		R66	2M	2M	NOT INSTALLED
		C70	NOT INSTALLED	NOT INSTALLED	NOT INSTALLED
	REGULATOR TEMPERATURE COMPENSATION ADJUST	D10	NOT INSTALLED	NOT INSTALLED	NOT INSTALLED
		D11	NOT INSTALLED	NOT INSTALLED	NOT INSTALLED
		D12	NOT INSTALLED	NOT INSTALLED	NOT INSTALLED
		R60	ZERO ohm	ZERO ohm	NOT INSTALLED
		R61	ZERO ohm	ZERO ohm	NOT INSTALLED
		R62	ZERO ohm	ZERO ohm	NOT INSTALLED
CHIP SELECT CONTROL	W/BATTERY BACKUP	C71	NOT INSTALLED	NOT INSTALLED	NOT INSTALLED
		D13	NOT INSTALLED	NOT INSTALLED	NOT INSTALLED
		Q13	2N7002 n-ch	2N7002 n-ch	NOT INSTALLED
		Q12	FDV302P p-ch	FDV302P p-ch	NOT INSTALLED
		Q15	3904 npn	3904 npn	NOT INSTALLED
		R69	100k	100k	NOT INSTALLED
		R68	10k	10k	NOT INSTALLED
		R75	100K	100K	100K
		R73	47k	47k	NOT INSTALLED
		R76	0 ohm	0 ohm	0 ohm
	W/O BATTERY BACKUP	R71	NOT INSTALLED	NOT INSTALLED	ZERO ohm
POWER TO VRAM SWITCH	W/BATTERY BACKUP	Q11	FDV302P p-ch	FDV302P p-ch	NOT INSTALLED
		Q14	3904 npn	3904 npn	NOT INSTALLED
		R70	10k	10k	NOT INSTALLED
		R74	22k	22k	NOT INSTALLED
	W/O BATTERY BACKUP	R72	NOT INSTALLED	NOT INSTALLED	ZERO ohm

		MODEL			
CIRCUIT	PART	EG2000	EG2020	EG2100	
SRAM	MAIN	U15	128K SRAM	128K SRAM	128K SRAM
	SRAM SELECT	JP4	ZERO ohm ACROSS PINS 1-2	ZERO ohm ACROSS PINS 1-2	ZERO ohm ACROSS PINS 1-2
FLASH	FLASH 1 FLASH 2	U10	256K FLASH	256K FLASH	256K FLASH
		U12	256K FLASH	256K FLASH	256K FLASH
	FLASH SELECT	JP2	ZERO ohm ACROSS PINS 1-2	ZERO ohm ACROSS PINS 1-2	ZERO ohm ACROSS PINS 1-2
		JP3	ZERO ohm ACROSS PINS 1-2	ZERO ohm ACROSS PINS 1-2	ZERO ohm ACROSS PINS 1-2
RS485	MAIN	C39	.1uF	.1uF	NOT INSTALLED
		R34	681 ohm	681 ohm	NOT INSTALLED
		R35	220 ohm	220 ohm	NOT INSTALLED
		R33	681 ohm	681 ohm	NOT INSTALLED
		R32	47k	47k	NOT INSTALLED
		U4	SP483EN	SP483EN	NOT INSTALLED
	MAIN	Q1	4401 npn	4401 npn	NOT INSTALLED
		Q2	4401 npn	4401 npn	NOT INSTALLED
		Q3	4401 npn	4401 npn	NOT INSTALLED
		R36-R38	470 ohm	470 ohm	NOT INSTALLED
OPEN COLLECTOR OUTPUTS	MAIN	D5-D7	914	914	NOT INSTALLED
		C40-C42	56nF	56nF	NOT INSTALLED

		MODEL			
CIRCUIT	PART	EG2000	EG2020	EG2100	
DIGITAL INPUTS	R12-R19 C24-C27	22K 10nF	22K 10nF	NOT INSTALLED NOT INSTALLED	
	RS232	C62-C66 U11	100nF MAX232	100nF MAX232	NOT INSTALLED NOT INSTALLED
LEDS	POWER LED	D51 R39	RED LED 330 ohm	RED LED 330 ohm	NOT INSTALLED NOT INSTALLED
MISC	POWER SUPPLY	TVS1	NOT INSTALLED	NOT INSTALLED	NOT INSTALLED
	PROGRAMMING OUT PORT	R56	NOT INSTALLED	NOT INSTALLED	NOT INSTALLED
CONNECTORS		J5	6POS SCREW TERM	6POS SCREW TERM	NOT INSTALLED
		J6	6POS SCREW TERM	6POS SCREW TERM	NOT INSTALLED
		J10	8POS SCREW TERM	8POS SCREW TERM	NOT INSTALLED
		J7	NOT INSTALLED	NOT INSTALLED	NOT INSTALLED
		J11	NOT INSTALLED	NOT INSTALLED	NOT INSTALLED
ETHERNET		U2	RTL8019AS	NOT INSTALLED	NOT INSTALLED
		D4	BAT54	NOT INSTALLED	NOT INSTALLED
		R9	1M	NOT INSTALLED	NOT INSTALLED
		R10	0 ohm	NOT INSTALLED	NOT INSTALLED
		R5	200 ohm 1/8W	NOT INSTALLED	NOT INSTALLED
		R47	330 ohm	NOT INSTALLED	NOT INSTALLED
		R51	330 ohm	NOT INSTALLED	NOT INSTALLED
		R3	0 ohm	NOT INSTALLED	NOT INSTALLED
		C14,C16	56nF	NOT INSTALLED	NOT INSTALLED
		C17,C23	56nF	NOT INSTALLED	NOT INSTALLED
		C33,C34	56nF	NOT INSTALLED	NOT INSTALLED
		C20	10pF	NOT INSTALLED	NOT INSTALLED
		C21	10pF	NOT INSTALLED	NOT INSTALLED
		C13,C15	10uF	NOT INSTALLED	NOT INSTALLED
		C5,C7	10uF	NOT INSTALLED	NOT INSTALLED
		Y2	20 MHZ CRYSTAL	NOT INSTALLED	NOT INSTALLED
		C6	NOT INSTALLED	NOT INSTALLED	NOT INSTALLED
		T2	1:1 TRANSFORMER	NOT INSTALLED	NOT INSTALLED
		J3	RJ-45	NOT INSTALLED	NOT INSTALLED
		D55	GREEN LED	NOT INSTALLED	NOT INSTALLED
		D56	ORANGE LED	NOT INSTALLED	NOT INSTALLED
		C3	NOT INSTALLED	NOT INSTALLED	NOT INSTALLED

SIZE
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DWG NO.

090-0112

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