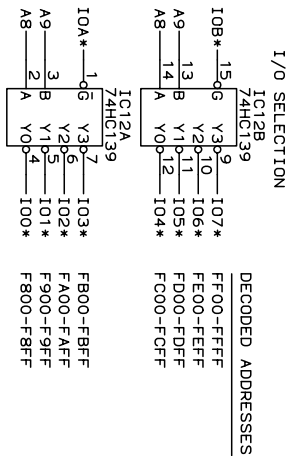
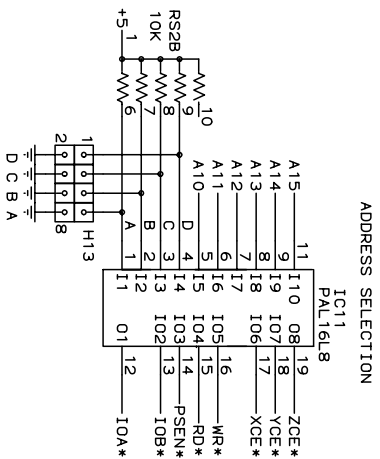
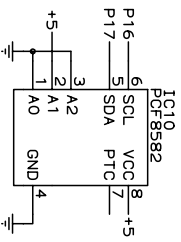
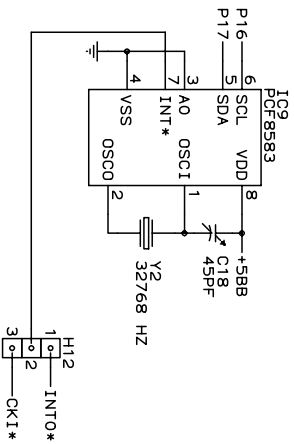
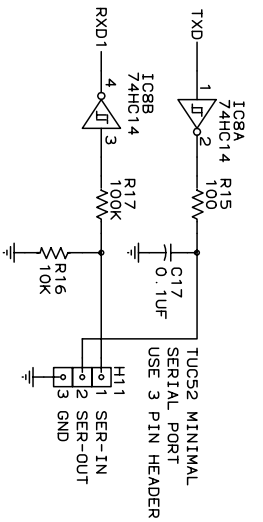


TUCSON AMATEUR PACKET RADIO  
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 TUCSON, AZ 85749

TAPR UNIVERSAL CONTROLLER TUC-32  
 PROCESSOR AND MEMORY

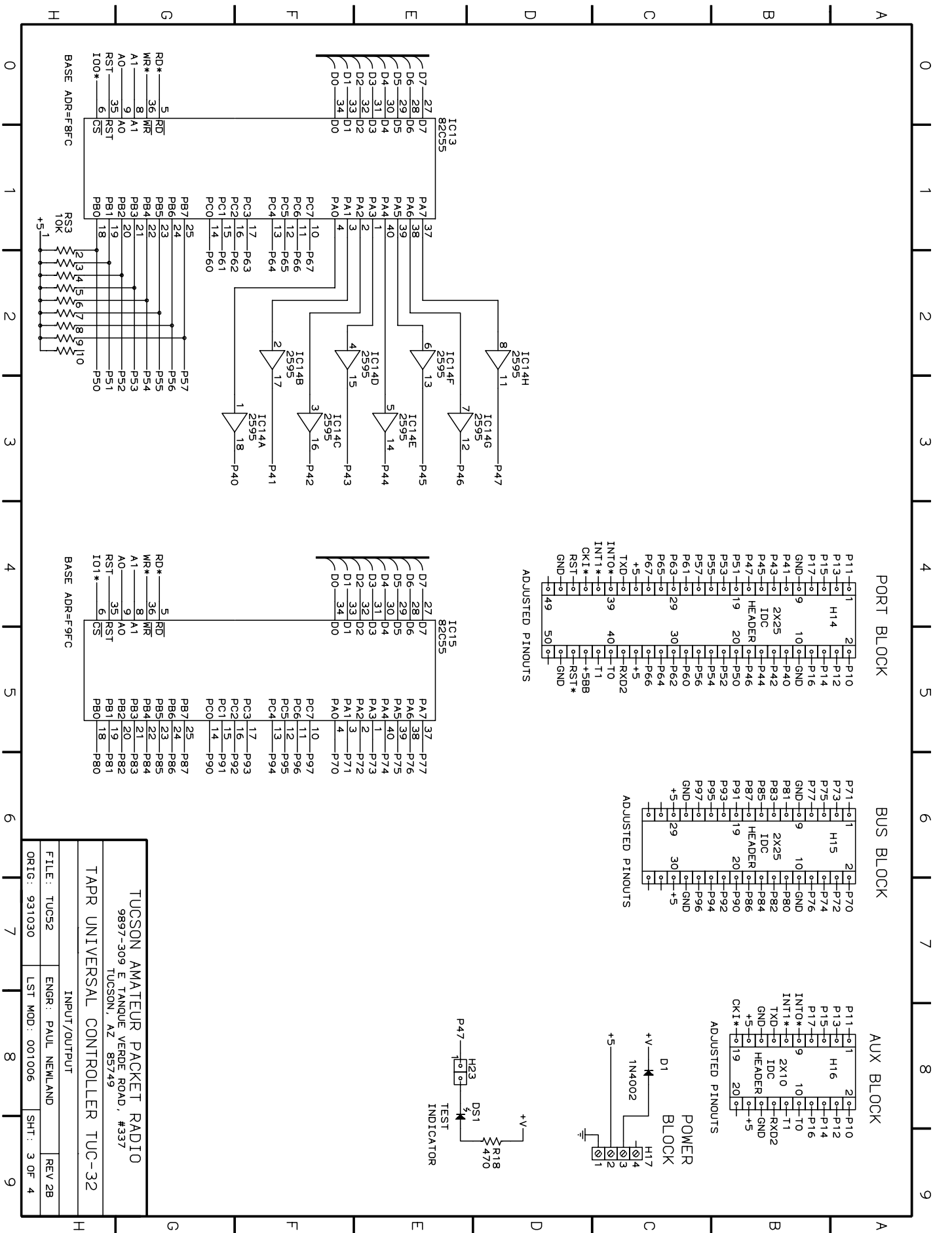
FILE: TUC52 ENGR: PAUL NEMLAND REV 2B  
 ORIG: 931030 LST MOD: 001006 SHT: 1 OF 4



TUCSON AMATEUR PACKET RADIO  
 9897-309 E. TANQUE VERDE ROAD, #337  
 TUCSON, AZ 85749

TAPR UNIVERSAL CONTROLLER TUC-32  
 CHIP SELECTS AND OPTIONAL I/O

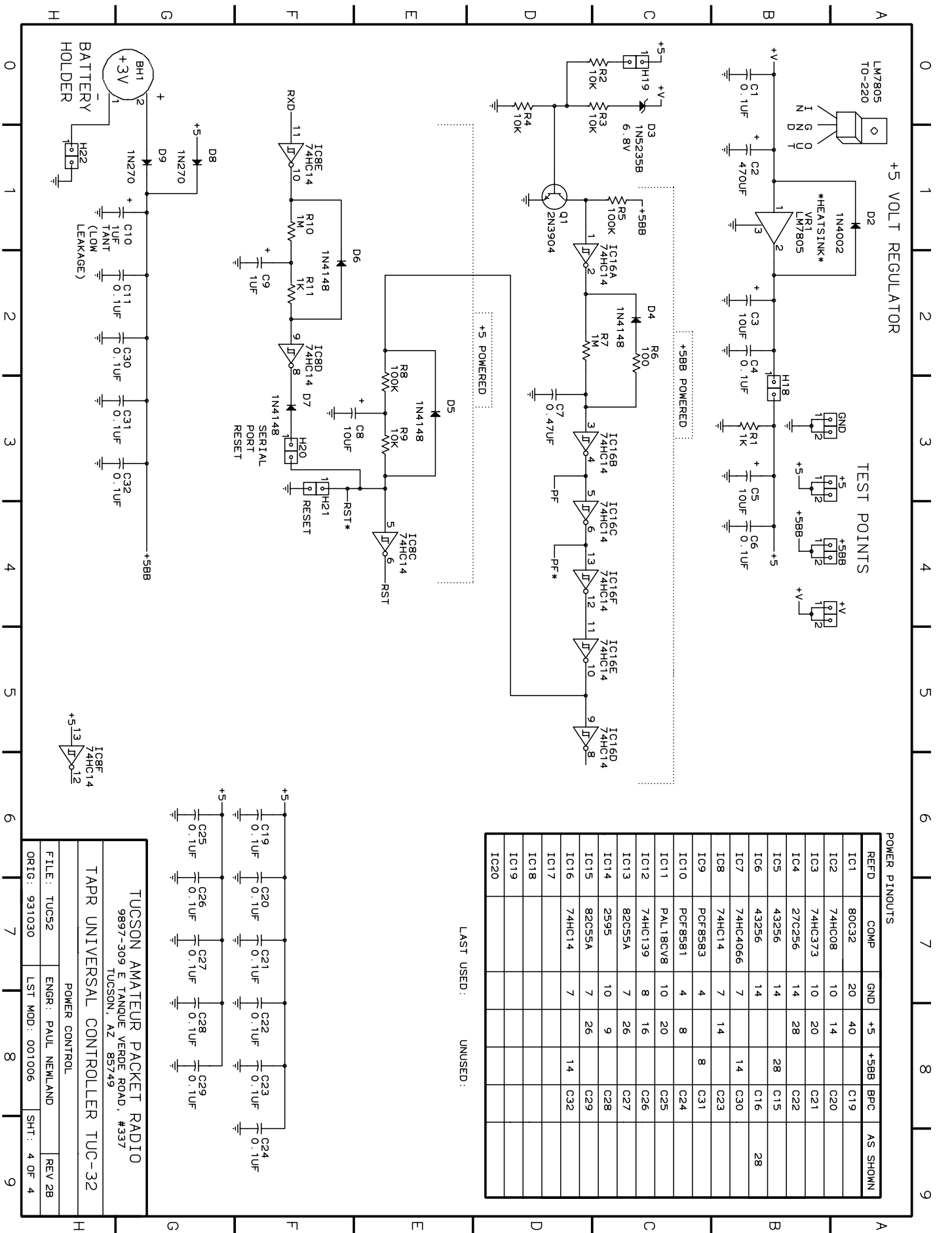
FILE: TUC52 ENGR: PAUL NEWLAND REV 2B  
 ORIG: 931030 LST MOD: 001006 SHT: 2 OF 4



TUCSON AMATEUR PACKET RADIO  
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TAPR UNIVERSAL CONTROLLER TUC-32

INPUT/OUTPUT  
 FILE: TUC52 ENGR: PAUL NEWLAND REV 2B  
 ORIG: 931030 LST MOD: 001006 SHT: 3 OF 4



POWER PINOUTS

REFD	COMP	GND	+5	+5BB	BPC	AS SHOWN
IC1	80C32	20	40		C19	
IC2	74HC08	10	14		C20	
IC3	74HC373	10	20		C21	
IC4	27C256	14	28		C22	
IC5	43256	14		28	C15	
IC6	43256	14			C16	28
IC7	74HC4066	7		14	C30	
IC8	74HC14	7	14		C23	
IC9	PCF8583	4		8	C31	
IC10	PCF8581	4	8		C24	
IC11	PAL18CV8	10	20		C25	
IC12	74HC139	8	16		C26	
IC13	82C55A	7	26		C27	
IC14	2595	10	9		C28	
IC15	82C55A	7	26		C29	
IC16	74HC14	7		14	C32	
IC17						
IC18						
IC19						
IC20						

LAST USED:      UNUSED:

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TAPR UNIVERSAL CONTROLLER TUC-32

POWER CONTROL

FILE: TUC52      ENGR: PAUL NEULAND      REV 2B

ORIG: 931030      LST MOD: 001006      SHT: 4 OF 4

