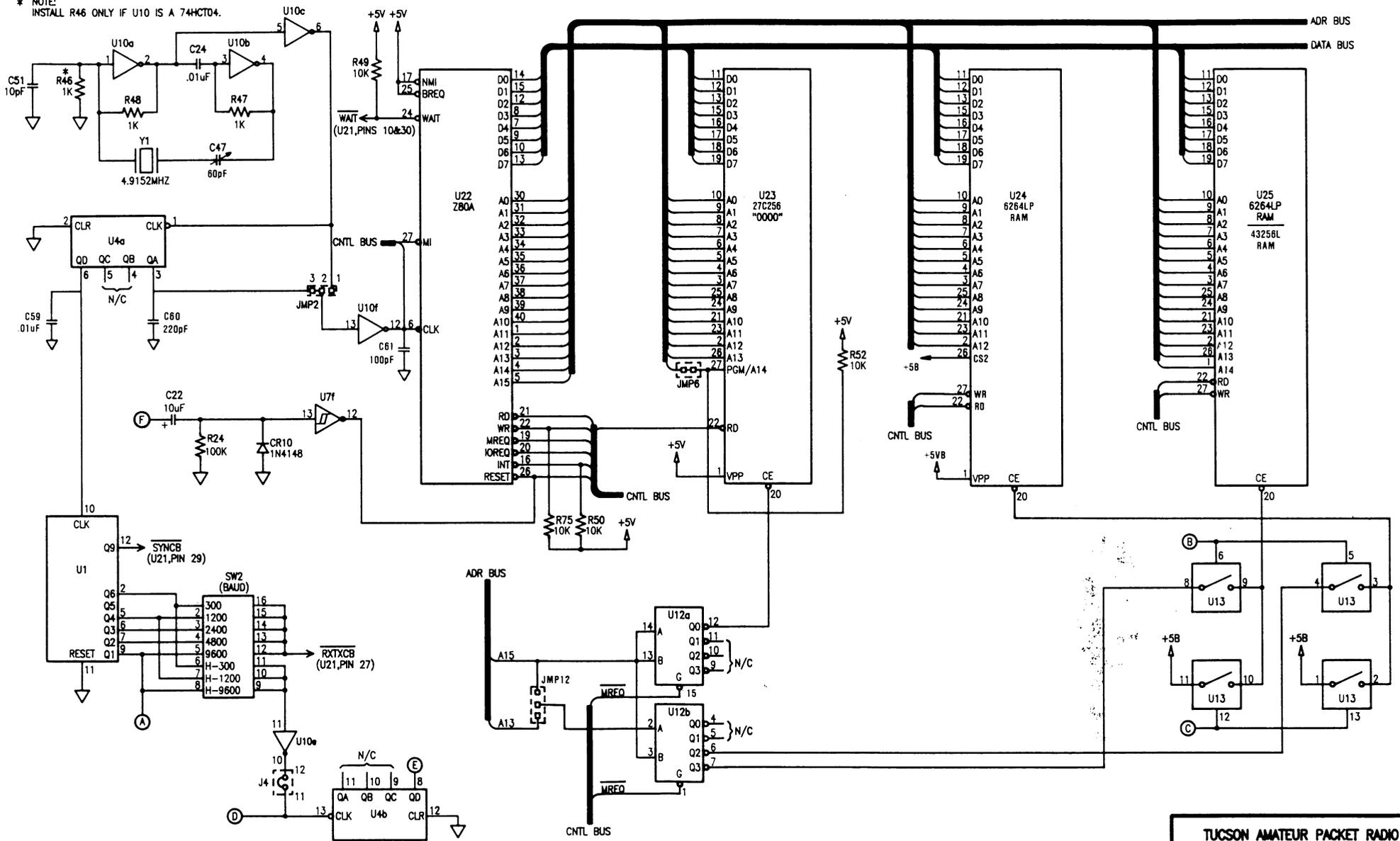
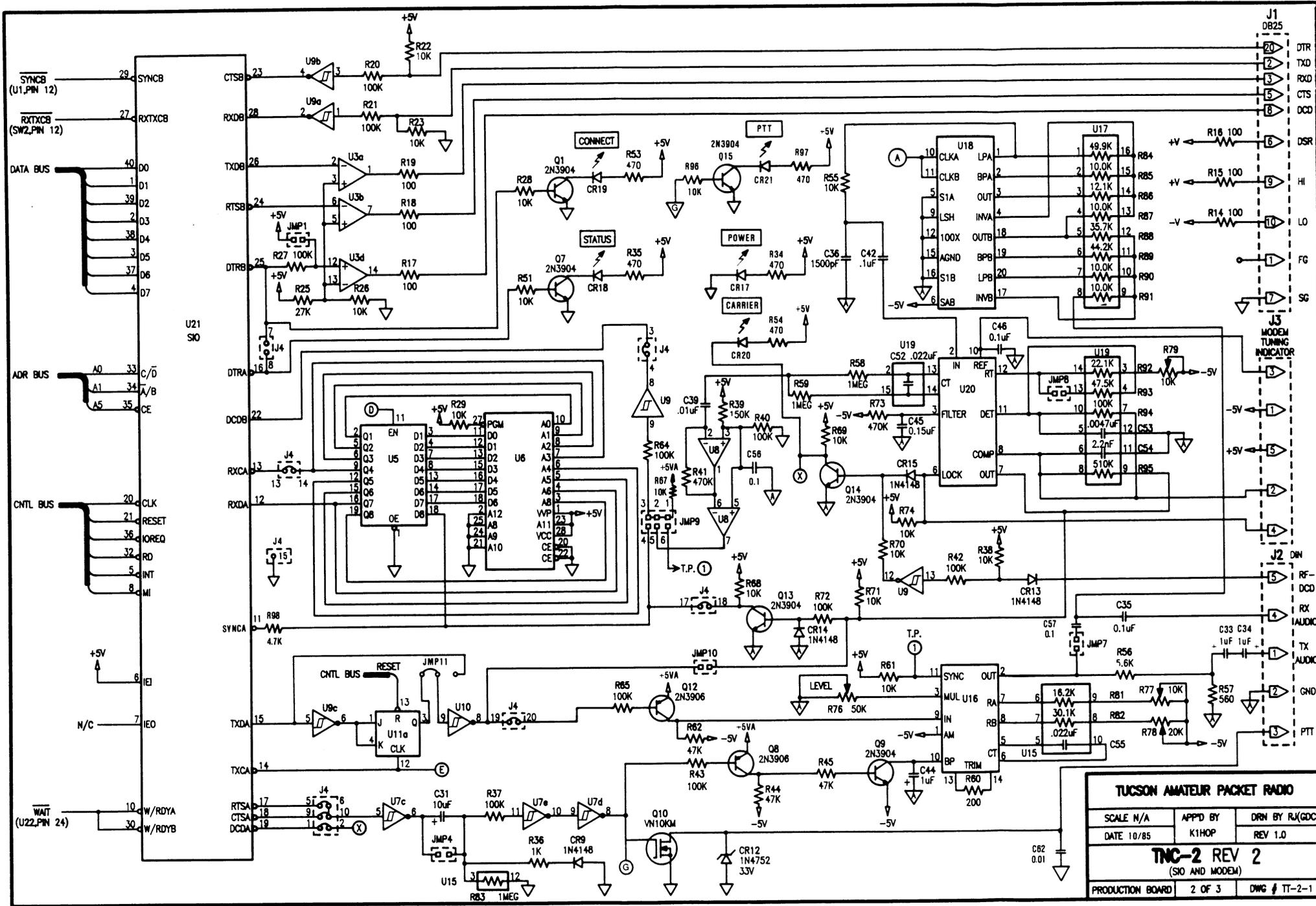


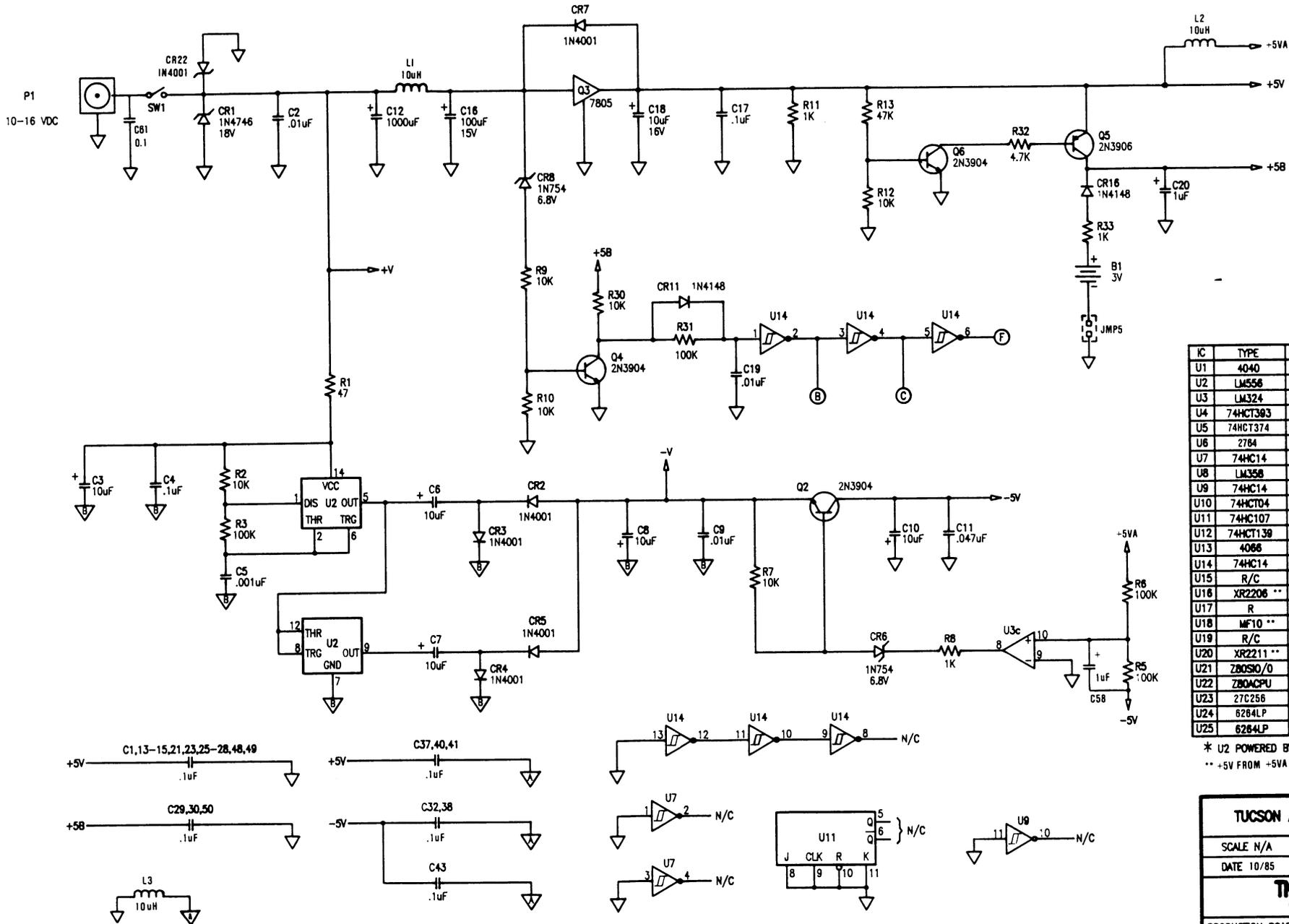
* NOTE:
INSTALL R46 ONLY IF U10 IS A 74HCT04.



TUCSON AMATEUR PACKET RADIO		
SCALE N/A	APP'D BY K1HOP	DRN BY RJ(GDC)
DATE 10/85		REV 1.0
TNC-2 REV 2		
PRODUCTION BOARD	1 OF 3	DWG # TT-2-1



TUCSON AMATEUR PACKET RADIO		
SCALE N/A	APPD BY K1HOP	DRN BY RJ(GDC)
DATE 10/85		REV 1.0
TNC-2 REV 2 (SIO AND MODEM)		
PRODUCTION BOARD	2 OF 3	DWG # TT-2-1



IC	TYPE	+5V	GND	-5V	+5B	+V	-V
U1	4040	16	8	-	-	-	-
U2	LM556	-	7	-	-	*	-
U3	LM324	-	-	-	-	4	11
U4	74HC139	14	7	-	-	-	-
U5	74HCT374	20	10	-	-	-	-
U6	2764	28	14	-	-	-	-
U7	74HC14	14	7	-	-	-	-
U8	LM358	8	4	-	-	-	-
U9	74HC14	14	7	-	-	-	-
U10	74HCT04	14	7	-	-	-	-
U11	74HC107	14	7	-	-	-	-
U12	74HCT139	16	8	-	-	-	-
U13	4066	-	7	-	14	-	-
U14	74HC14	-	7	-	14	-	-
U15	R/C	N/A	N/A	N/A	N/A	N/A	N/A
U16	XR2206	**	4	-	12	-	-
U17	R	N/A	N/A	N/A	N/A	N/A	N/A
U18	MF10	**	7,8	15	13,14	-	-
U19	R/C	N/A	N/A	N/A	N/A	N/A	N/A
U20	XR2211	**	1	-	4	-	-
U21	Z80S0/0	9	31	-	-	-	-
U22	Z80ACPU	11	29	-	-	-	-
U23	27C256	28	14	-	-	-	-
U24	6264LP	-	14	-	28	-	-
U25	6264LP	-	14	-	28	-	-

* U2 POWERED BY +V THROUGH 47 OHM.
 ** -5V FROM +5VA

TUCSON AMATEUR PACKET RADIO		
SCALE N/A	APPD BY K1HOP	DRN BY R/J(GDC)
DATE 10/85		REV 1.0
TNC-2 REV 2 (POWER CIRCUITRY)		
PRODUCTION BOARD	3 OF 3	DWG # TT-2-1