

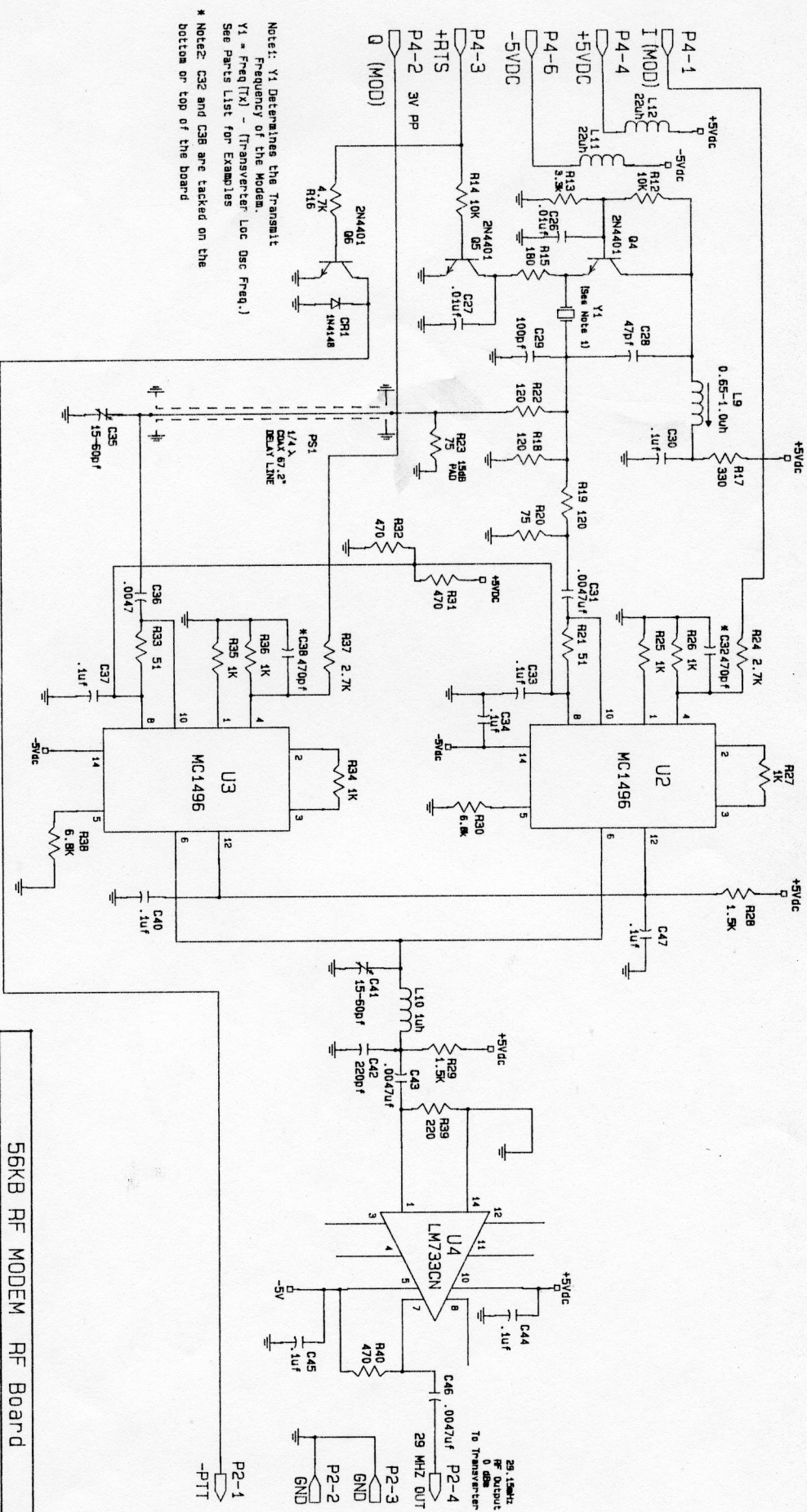
NOTE: R10,11 are tacked on the bottom of the circuit board.

L5 MUST be mounted to avoid interaction with L6-L8. Normally you should mount it parallel to the surface of the circuit board. Do NOT use toroidal cores.

Speed	56KB	28KB
C19	250pf	100pf
C21	250pf	100pf
R11	2.2K	Not Used
Bandwidth	70Khz	35Khz

Crystal Y2 frequency is Transverter RX IF plus 10.7 mhz. Example 29.05 + 10.7 = 39.75 mhz = Y2

Title: 56KB RF Modem Board	
RF Receive Section	
Copyright(c) 1986,7 Dale Heatherington	
Design by: WA4DSY	Drawn by: Charles D'Englere
Checked by: KD4NC	Approved by: WA4DSY
Drawing Version: 092087	Board Version: 082286



Note: Y1 Determines the Transmit Frequency of the Modem.
Y1 = Freq (Tx) - (Transmitter Loc Osc Freq.)
See Parts List for Examples

* Note: C32 and C38 are tacked on the bottom or top of the board

56KB RF MODEM RF Board

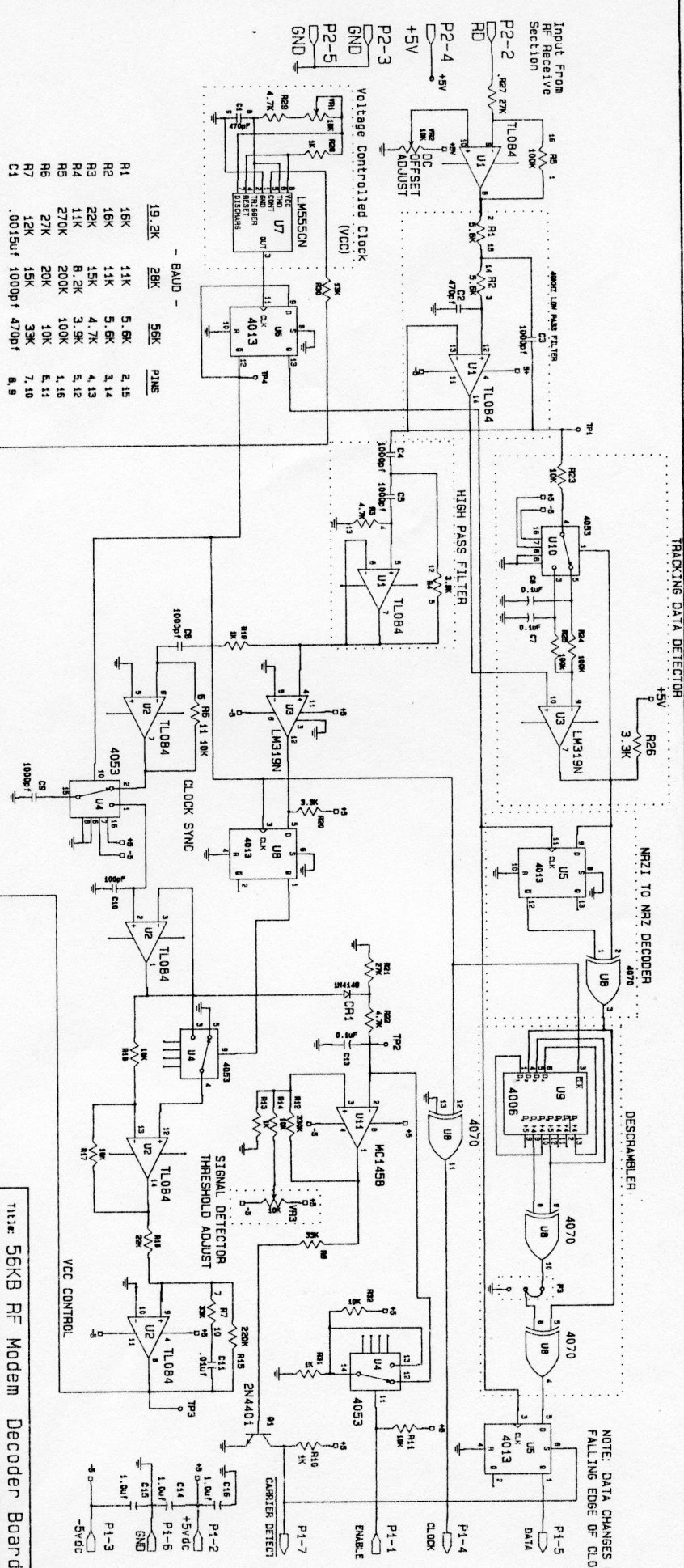
RF Transmit Section

Copyright 1986, 7 Dale Heatherington WA4DSY

Design by: WA4DSY Drawn by: Charles D'Engle

Checked by: KD4NC Approved by: WA4DSY

Drawing Version: 093087 Board Version 082286



- BAUD -

	19.2K	28K	56K	PINS
R1	16K	11K	5.6K	2, 15
R2	16K	11K	5.6K	3, 14
R3	22K	15K	4.7K	4, 13
R4	11K	8.2K	3.9K	5, 12
R5	270K	200K	100K	1, 16
R6	27K	20K	10K	6, 11
R7	12K	15K	33K	7, 10
C1	.0015uF	1000pF	470pF	8, 9

Title: 56KB RF Modem Decoder Board

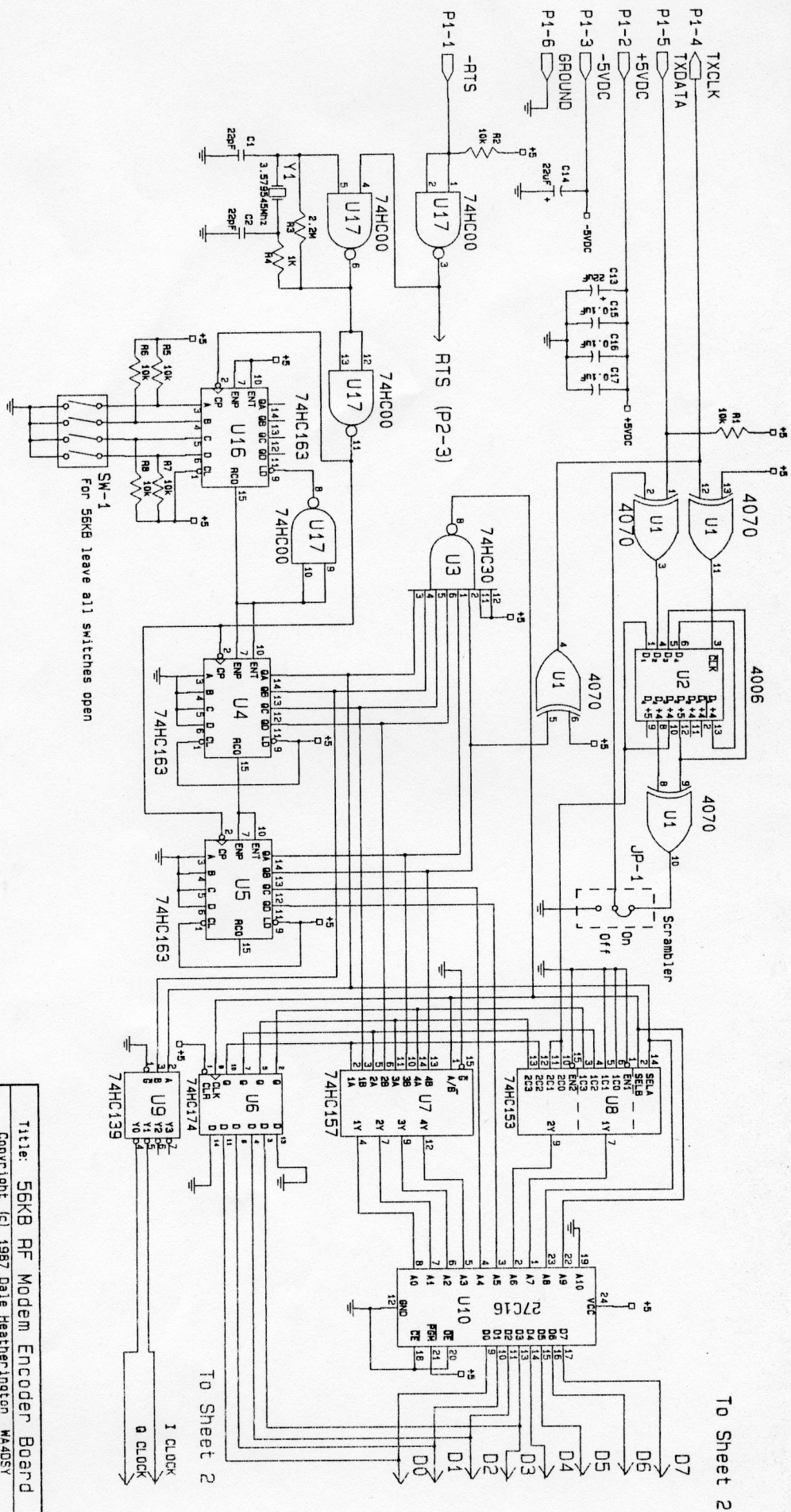
Copyright (c) 1987 Date: Heatherington WA4DSY

Design by: WA4DSY Drawn by: Charles D'Engle

Checked by: KDANC Approved by: WA4DSY

Drawing Version 092087 Board Version 021987-A

NOTE: DATA CHANGES ON FALLING EDGE OF CLOCK



Title: 56KB RF Modem Encoder Board
Copyright (c) 1987 Dale Heatherington WA0DSY
Design By: WA0DSY
Checked By: KDANC
Drawing Version: 092087
Board Version: 110386
Sheet 1 of 2

