

FLH-DAR

*Digital – Analog
Heterodyne Microwave Radio*

Master Drawing Directory

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Figure 1-4 Logic Alarm - Schematic (900418)

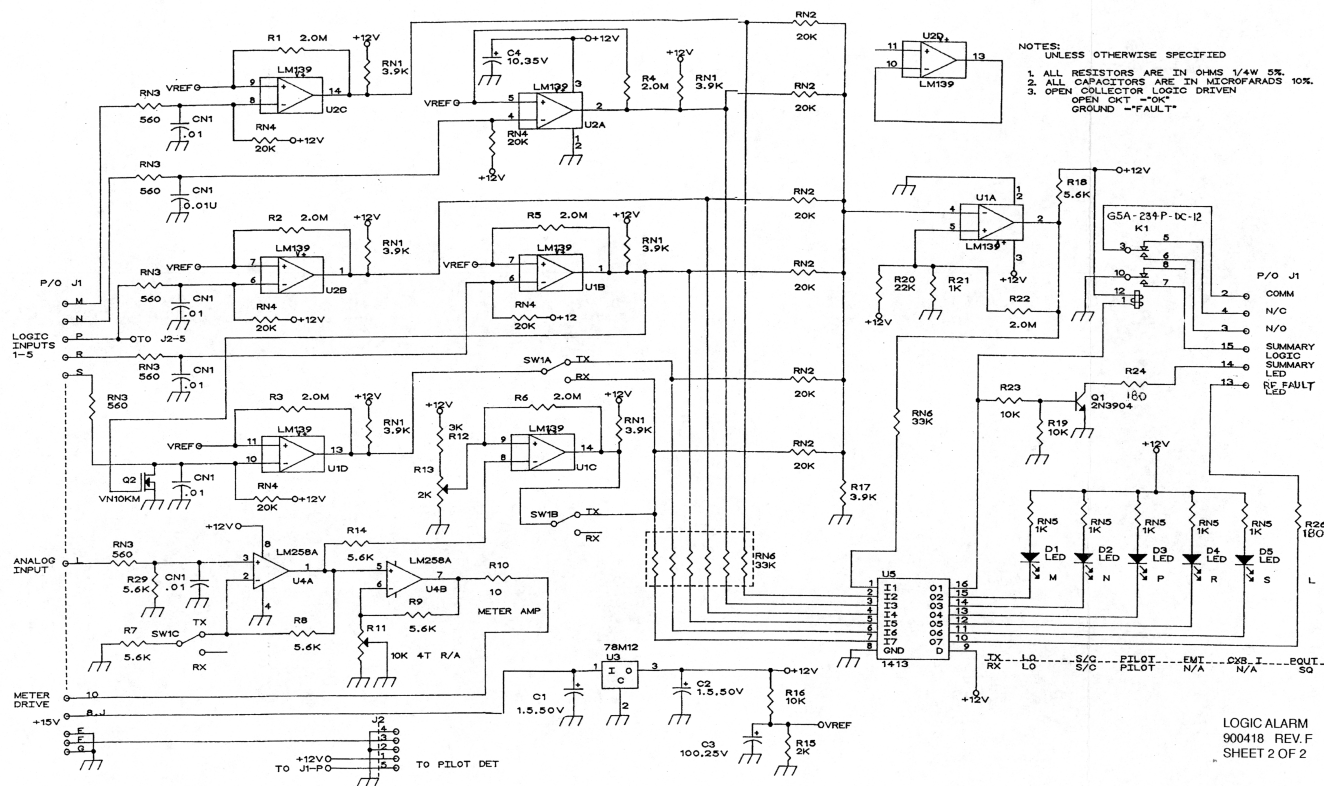


Figure 2-2 IF Modulator - Schematic (901778)

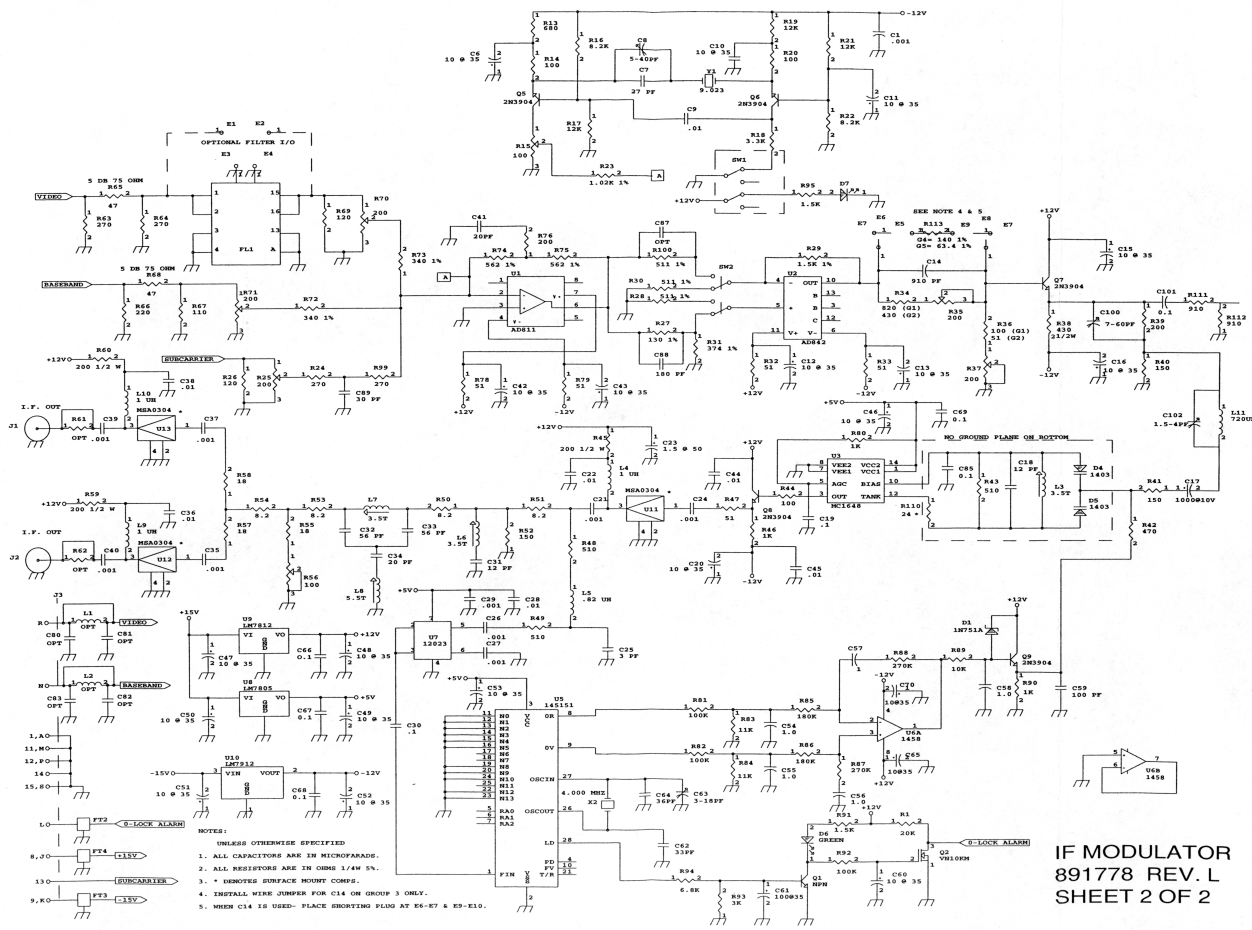


Figure 2-4 Audio Motherboard - Schematic (900426)

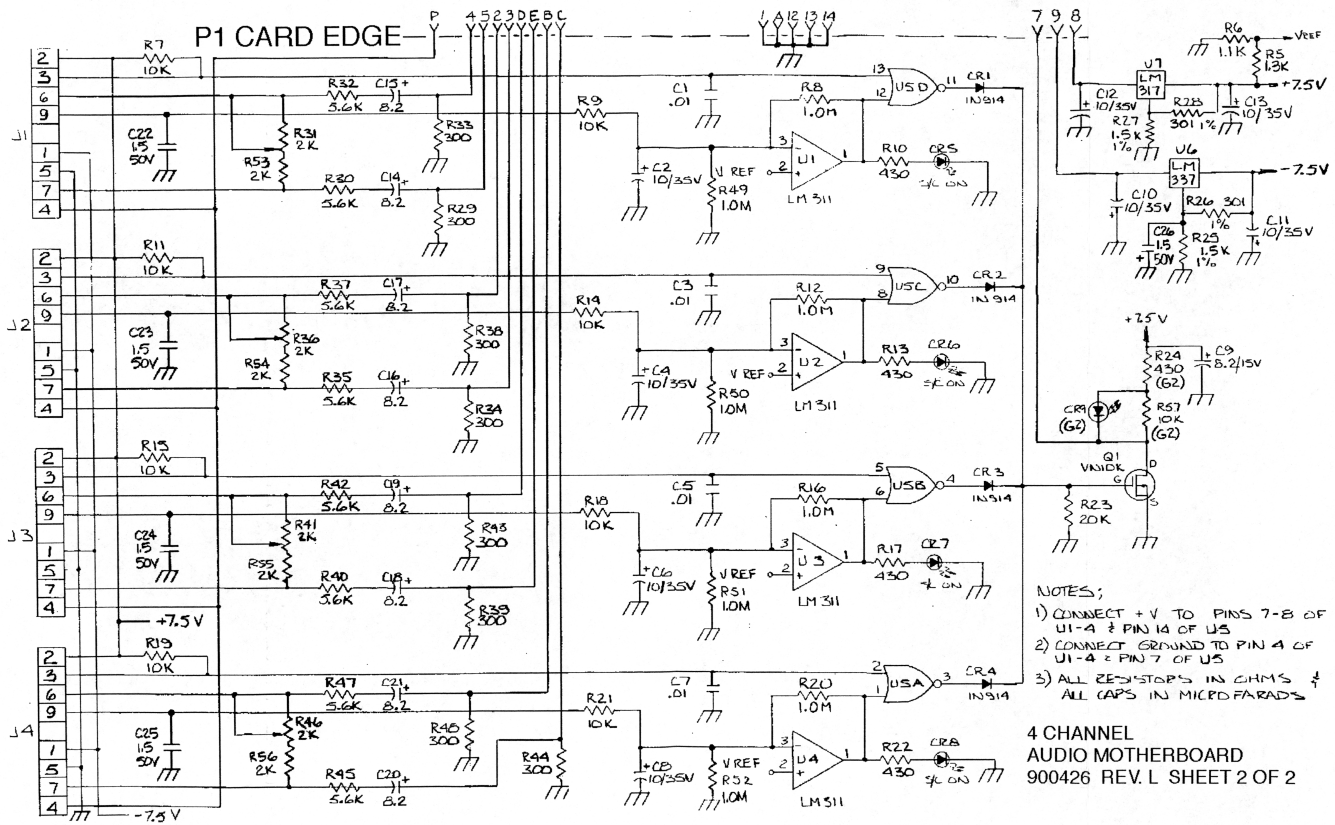


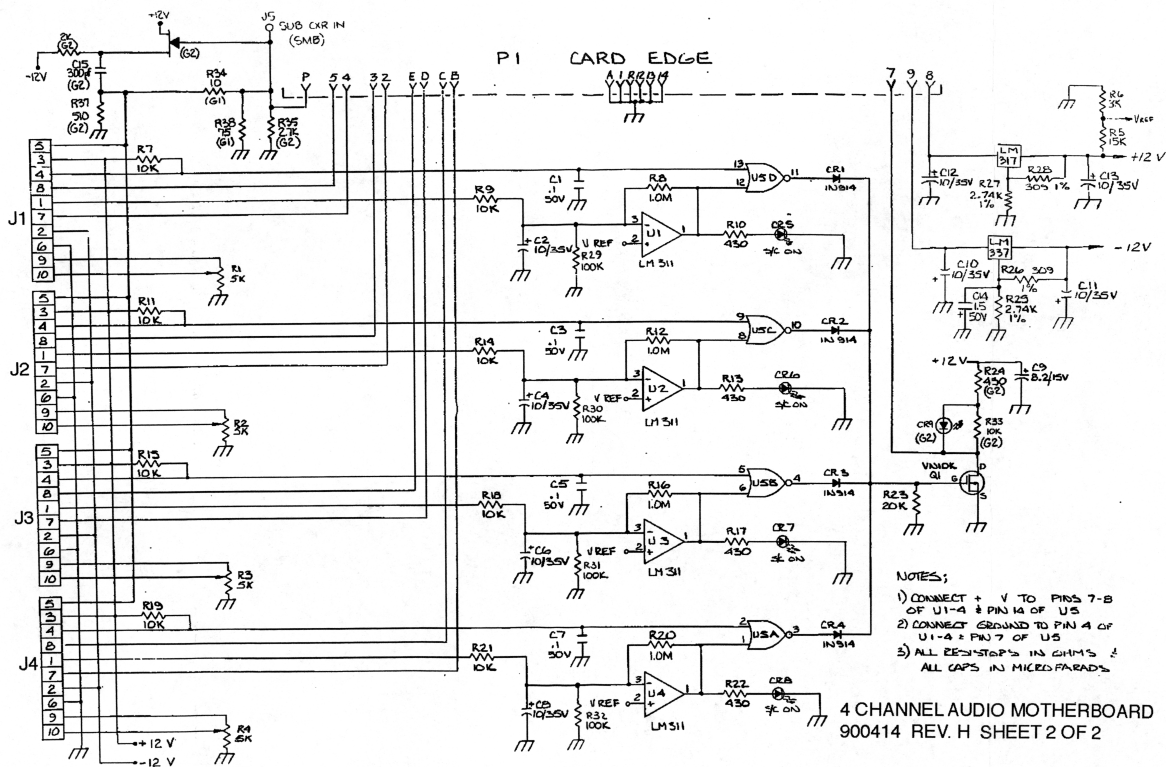
Figure 2-7 Audio Subcarrier Modulator - Schematic - Sheet 2 (900100)

TABLE 1

FREQUENCY AND VALUE IDENTIFICATION												
	6.8 MHz	6.2 MHz	5.8 MHz	5.2 MHz	4.83 MHz	7.02 MHz	7.5 MHz	8.065 MHz	8.3 MHz	8.59 MHz	8.50 MHz	4.5 MHz
	75 uSEC	75 uSEC	75 uSEC	75 uSEC	75 uSEC	75 uSEC	75 uSEC	75 uSEC	75 uSEC	75 uSEC	75 uSEC	75 uSEC
REF DES	G1 / G21	G2 / G22	G3 / G23	G4 / G24	G5 / G25	G6 / G26	G7 / G27	G8 / G28	G9 / G29	G10 / G30	G41	G42
R13	3.32K 1%										3.32K 1%	3.32K 1%
R14	110 OHM 1%										110 OHM 1%	110 OHM 1%
C16	150 PF									150 PF	160 PF	160 PF
C10	27 PF	24 PF	24 PF	24 PF	10 PF	39 PF	39 PF	39 PF	39 PF	39 PF		
L1	6-8.2 uH	7.6-11.4 uH	9.4-11.6 uH	11.2-16.8 uH	22.4-33.6uH	6-8.2 uH	5.2-7.8 uH	5.2-7.8 uH	3.6-5.4 uH	3.6-5.4 uH		16-24 uH
L2	3.3 uH	3.9 uH	4.7 uH	5.6 uH	6.8 uH	3.3 uH	2.7 uH	2.2 uH	2.2 uH	1.8 uH	1.8 uH	6.8 uH
Y1	17.40 MHz	15.87 MHz	14.84 MHz	13.31 MHz	12.36 MHz	17.97 MHz	19.20 MHz	20.65 MHz	21.24 MHz	21.99 MHz	21.76 MHz	11.52 MHz

	6.8 MHz	6.2 MHz	5.8 MHz	5.2 MHz	4.83 MHz	7.02 MHz	7.5 MHz	8.065 MHz	8.3 MHz	8.59 MHz	8.59 MHz
	50 uSEC	50 uSEC	50 uSEC	50 uSEC	50 uSEC	50 uSEC	50 uSEC	50 uSEC	50 uSEC	50 uSEC	50 uSEC
REF DES	G11 / G31	G12 / G32	G13 / G33	G14 / G34	G15 / G35	G16 / G36	G17 / G37	G18 / G38	G19 / G39	G20	G40
R13	2.2K 1%										2.2K 1%
R14	130 OHM 1%										130 OHM 1%
C16	150 PF									150 PF	160 PF
C10	27 PF	24 PF	24 PF	24 PF	10 PF	39 PF					39 PF
L1	6-8.2 uH	7.6-11.4 uH	9.4-11.6 uH	11.2-16.8 uH	22.4-33.6uH	6-8.2 uH	5.2-7.8 uH	5.2-7.8 uH	3.6-5.4 uH	3.6-5.4 uH	3.6-5.4 uH
L2	3.3 uH	3.9 uH	4.7 uH	5.6 uH	6.8 uH	3.3 uH	2.7 uH	2.2 uH	2.2 uH	1.8 uH	1.8 uH
Y1	17.40 MHz	15.87 MHz	14.84 MHz	13.31 MHz	12.36 MHz	17.97 MHz	19.20 MHz	20.65 MHz	21.24 MHz	21.9904 MHz	21.9904 MHz

Figure 3-4 Audio Motherboard - Schematic (900414)



- NOTES:
- 1) CONNECT + V TO PINS 7-8 OF U1-4 & PIN 14 OF U5
 - 2) CONNECT GROUND TO PIN 4 OF U1-4 & PIN 7 OF U5
 - 3) ALL RESISTORS IN OHMS & ALL CAPS IN MICROFARADS

4 CHANNEL AUDIO MOTHERBOARD
900414 REV. H SHEET 2 OF 2

Figure 3-6 Audio Subcarrier - Schematic (900172)

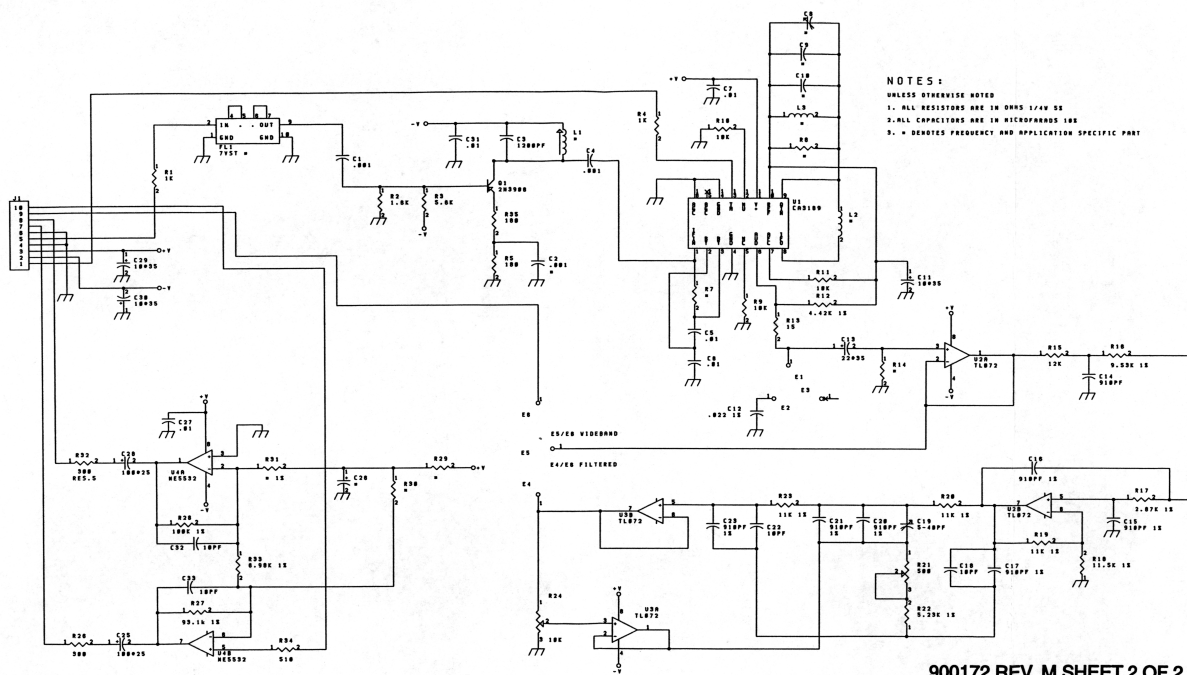


Figure 3-8 IF Filter Equalizer - Schematic (905550)

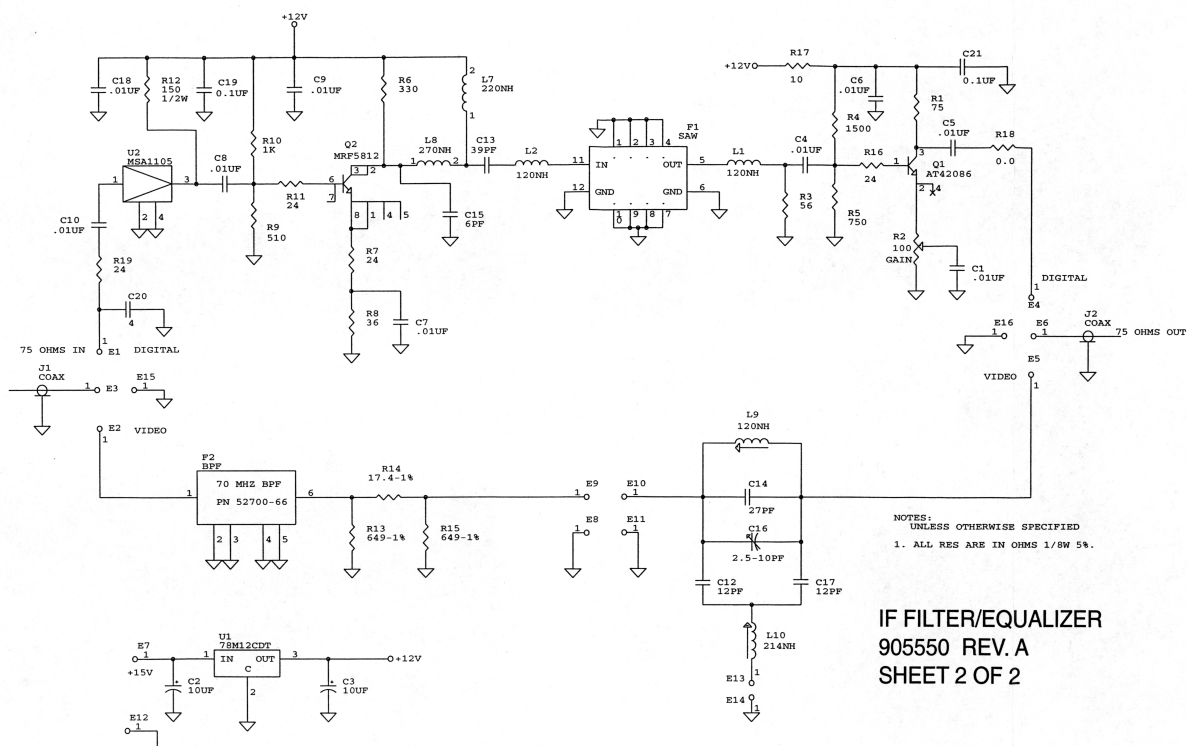


Figure 3-10 IF Amplifier - Schematic (905584)

