

TRUTH CHART

CHANNEL	1=8.00 Volts 0=0 to .50 Volts IC1 PROGRAM DIVIDER								AM REC SYNTH OUTPUT IN MHz AT TP1	USB REC SYNTH OUTPUT IN MHz AT TP1	LSB REC SYNTH OUTPUT IN MHz AT TP1	DIVIDER INPUT IN MHz AT TP10
	PINS											
	10	11	12	13	14	15	16					
1	1	0	0	1	1	1	1		34.7650	34.7665	34.7635	.790
2	1	0	1	0	0	0	0		34.7750	34.7765	34.7735	.800
3	1	0	1	0	0	0	1		34.7850	34.7865	34.7835	.810
4	1	0	1	0	0	1	1		34.8050	34.8065	34.8035	.830
5	1	0	1	0	1	0	0		34.8150	34.8165	34.8135	.840
6	1	0	1	0	1	0	1		34.8250	34.8265	34.8235	.850
7	1	0	1	0	1	1	0		34.8350	34.8365	34.8335	.860
8	1	0	1	1	0	0	0		34.8550	34.8565	34.8535	.880
9	1	0	1	1	0	0	1		34.8650	34.8665	34.8635	.890
10	1	0	1	1	0	1	0		34.8750	34.8765	34.8735	.900
11	1	0	1	1	0	1	1		34.8850	34.8865	34.8835	.910
12	1	0	1	1	1	0	1		34.9050	34.9065	34.9035	.930
13	1	0	1	1	1	1	0		34.9150	34.9165	34.9135	.940
14	1	0	1	1	1	1	1		34.9250	34.9265	34.9235	.950
15	1	1	0	0	0	0	0		34.9350	34.9365	34.9335	.960
16	1	1	0	0	0	1	0		34.9550	34.9565	34.9535	.980
17	1	1	0	0	0	1	1		34.9650	34.9665	34.9635	.990
18	1	1	0	0	1	0	0		34.9750	34.9765	34.9735	1.000
19	1	1	0	0	1	0	1		34.9850	34.9865	34.9835	1.010
20	1	1	0	0	1	1	1		35.0050	35.0065	35.0035	1.030
21	1	1	0	1	0	0	0		35.0150	35.0165	35.0135	1.040
22	1	1	0	1	0	0	1		35.0250	35.0265	35.0235	1.050
23	1	1	0	1	1	0	0		35.0550	35.0565	35.0535	1.080
24	1	1	0	1	0	1	0		35.0350	35.0365	35.0335	1.060
25	1	1	0	1	0	1	1		35.0450	35.0465	35.0435	1.070
26	1	1	0	1	1	0	1		35.0650	35.0665	35.0635	1.090
27	1	1	0	1	1	1	0		35.0750	35.0765	35.0735	1.100
28	1	1	0	1	1	1	1		35.0850	35.0865	35.0835	1.110
29	1	1	1	0	0	0	0		35.0950	35.0965	35.0935	1.120
30	1	1	1	0	0	0	1		35.1050	35.1065	35.1035	1.130
31	1	1	1	0	0	1	0		35.1150	35.1165	35.1135	1.140
32	1	1	1	0	0	1	1		35.1250	35.1265	35.1235	1.150
33	1	1	1	0	1	0	0		35.1350	35.1365	35.1335	1.160
34	1	1	1	0	1	0	1		35.1450	35.1465	35.1435	1.170
35	1	1	1	0	1	1	0		35.1550	35.1565	35.1535	1.180
36	1	1	1	0	1	1	1		35.1650	35.1665	35.1635	1.190
37	1	1	1	1	0	0	0		35.1750	35.1765	35.1735	1.200
38	1	1	1	1	0	0	1		35.1850	35.1865	35.1835	1.210
39	1	1	1	1	0	1	0		35.1950	35.1965	35.1935	1.220
40	1	1	1	1	0	1	1		35.2050	35.2065	35.2035	1.230

TABLE A FREQUENCIES OF LOCAL OSCILLATORS AND IF STAGE IN TRANSMITTING STATE

Channel No.	Transmission frequencies allocated(MHz)	Diode ratio (N)	Local (MHz) AM mode	Oscillator (MHz) USB mode	Frequencies (MHz) LSB mode	Carrier (MHz) AM mode	Oscillator (MHz) USB mode	Frequencies (MHz) LSB mode
1	26.965	79	34.765	34.7665	34.7635	7.8	7.8015	7.7985
2	26.975	80	34.775	34.7765	34.7735	7.8	7.8015	7.7985
3	26.985	81	34.785	34.7865	34.7835	7.8	7.8015	7.7985
4	27.005	83	34.805	34.8065	34.8035	7.8	7.8015	7.7985
5	27.015	84	34.815	34.8165	34.8135	7.8	7.8015	7.7985
6	27.025	85	34.825	34.8265	34.8235	7.8	7.8015	7.7985
7	27.035	86	34.835	34.8365	34.8335	7.8	7.8015	7.7985
8	27.055	88	34.855	34.8565	34.8535	7.8	7.8015	7.7985
9	27.065	89	34.865	34.8665	34.8635	7.8	7.8015	7.7985
10	27.075	90	34.875	34.8765	34.8735	7.8	7.8015	7.7985
11	27.085	91	34.885	34.8865	34.8835	7.8	7.8015	7.7985
12	27.105	93	34.905	34.9065	34.9035	7.8	7.8015	7.7985
13	27.115	94	34.915	34.9165	34.9135	7.8	7.8015	7.7985
14	27.125	95	34.925	34.9265	34.9235	7.8	7.8015	7.7985
15	27.135	96	34.935	34.9365	34.9335	7.8	7.8015	7.7985
16	27.155	98	34.955	34.9565	34.9535	7.8	7.8015	7.7985
17	27.165	99	34.965	34.9665	34.9635	7.8	7.8015	7.7985
18	27.175	100	34.975	34.9765	34.9735	7.8	7.8015	7.7985
19	27.185	101	34.985	34.9865	34.9835	7.8	7.8015	7.7985
20	27.205	103	35.005	35.0065	35.0035	7.8	7.8015	7.7985
21	27.215	104	35.015	35.0165	35.0135	7.8	7.8015	7.7985
22	27.225	105	35.025	35.0265	35.0235	7.8	7.8015	7.7985
23	27.255	108	35.055	35.0565	35.0535	7.8	7.8015	7.7985
24	27.235	106	35.035	35.0365	35.0335	7.8	7.8015	7.7985
25	27.245	107	35.045	35.0465	35.0435	7.8	7.8015	7.7985
26	27.265	109	35.065	35.0665	35.0635	7.8	7.8015	7.7985
27	27.275	110	35.075	35.0765	35.0735	7.8	7.8015	7.7985
28	27.285	111	35.085	35.0865	35.0835	7.8	7.8015	7.7985
29	27.295	112	35.095	35.0965	35.0935	7.8	7.8015	7.7985
30	27.305	113	35.105	35.1065	35.1035	7.8	7.8015	7.7985
31	27.315	114	35.115	35.1165	35.1135	7.8	7.8015	7.7985
32	27.325	115	35.125	35.1265	35.1235	7.8	7.8015	7.7985
33	27.335	116	35.135	35.1365	35.1335	7.8	7.8015	7.7985
34	27.345	117	35.145	35.1465	35.1435	7.8	7.8015	7.7985
35	27.355	118	35.155	35.1565	35.1535	7.8	7.8015	7.7985
36	27.365	119	35.165	35.1665	35.1635	7.8	7.8015	7.7985
37	27.375	120	35.175	35.1765	35.1735	7.8	7.8015	7.7985
38	27.385	121	35.185	35.1865	35.1835	7.8	7.8015	7.7985
39	27.395	122	35.195	35.1965	35.1935	7.8	7.8015	7.7985
40	27.405	123	35.205	35.2065	35.2035	7.8	7.8015	7.7985

TABLE B FREQUENCIES OF LOCAL OSCILLATORS AND IF STAGE IN RECEIVING STATE

Channel No.	Reception frequencies (MHz)	Diode ratio (N)	1 st Local (MHz) AM mode	Oscillator (MHz) USB mode	Frequencies (MHz) LSB mode	1st IF Frequency (MHz)
1	26.965	79	34.765	34.7665	34.7635	7.8
2	26.975	80	34.775	34.7765	34.7735	7.8
3	26.985	81	34.785	34.7865	34.7835	7.8
4	27.005	83	34.805	34.8065	34.8035	7.8
5	27.015	84	34.815	34.8165	34.8135	7.8
6	27.025	85	34.825	34.8265	34.8235	7.8
7	27.035	86	34.835	34.8365	34.8335	7.8
8	27.055	88	34.855	34.8565	34.8535	7.8
9	27.065	89	34.865	34.8665	34.8635	7.8
10	27.075	90	34.875	34.8765	34.8735	7.8
11	27.085	91	34.885	34.8865	34.8835	7.8
12	27.105	93	34.905	34.9065	34.9035	7.8
13	27.115	94	34.915	34.9165	34.9135	7.8
14	27.125	95	34.925	34.9265	34.9235	7.8
15	27.135	96	34.935	34.9365	34.9335	7.8
16	27.155	98	34.955	34.9565	34.9535	7.8
17	27.165	99	34.965	34.9665	34.9635	7.8
18	27.175	100	34.975	34.9765	34.9735	7.8
19	27.185	101	34.985	34.9865	34.9835	7.8
20	27.205	103	35.005	35.0065	35.0035	7.8
21	27.215	104	35.015	35.0165	35.0135	7.8
22	27.225	105	35.025	35.0265	35.0235	7.8
23	27.255	108	35.055	35.0565	35.0535	7.8
24	27.235	106	35.035	35.0365	35.0335	7.8
25	27.245	107	35.045	35.0465	35.0435	7.8
26	27.265	109	35.065	35.0665	35.0635	7.8
27	27.275	110	35.075	35.0765	35.0735	7.8
28	27.285	111	35.085	35.0865	35.0835	7.8
29	27.295	112	35.095	35.0965	35.0935	7.8
30	27.305	113	35.105	35.1065	35.1035	7.8
31	27.315	114	35.115	35.1165	35.1135	7.8
32	27.325	115	35.125	35.1265	35.1235	7.8
33	27.335	116	35.135	35.1365	35.1335	7.8
34	27.345	117	35.145	35.1465	35.1435	7.8
35	27.355	118	35.155	35.1565	35.1535	7.8
36	27.365	119	35.165	35.1665	35.1635	7.8
37	27.375	120	35.175	35.1765	35.1735	7.8
38	27.385	121	35.185	35.1865	35.1835	7.8
39	27.395	122	35.195	35.1965	35.1935	7.8
40	27.405	123	35.205	35.2065	35.2035	7.8

* In AM Mode only, 2nd Local Oscillator Frequency is 7.345 MHz and 2nd IF Frequency is 455 KHz on all of 40 channels.

VOLTAGE CHART

Test Condition's

- Channel: 9
- Squeelch: Minimum
- NB.ANL/ ANL/ OFF SW: OFF
- S.RF/ CAL/ SWR: S.RF
- Viodelock: Position to Out 1.KHz tone to speake
- Volume: Minimum
- RF Gain: Maximum
- CB/PA SW: CB
- HI/ NOR/LOW: HI

TR

Pin No.		RX			TX		
		E	C	B	E	C	B
TR1	USB	0.57	8.01	1.295	0	0	0
	AM	0.57	8.01	1.295	0	0	0
	LSB	0.57	8.01	1.295	0	0	0
TR3	USB	1.58	7.95	2.34	0	0	0
	AM	1.58	7.95	2.34	0	0	0
	LSB	1.58	7.95	2.34	0	0	0
TR4	USB	0.57	8.29	0	0	0	0
	AM	0.57	8.29	0	0	0	0
	LSB	0.57	8.29	0	0	0	0
TR5	USB	0	8.28	30 mV	20 mV	0	0
	AM	0	8.28	30 mV	20 mV	0	0
	LSB	0	8.28	30 mV	20 mV	0	0
TR6	USB	0	7.61	10 mV	0	0	0
	AM	0	7.61	90 mV	0	0	0
	LSB	0	7.61	10 mV	0	0	0
TR7	USB	8.29	0	7.64	0	0	0
	AM	8.29	0	7.64	0	0	0
	LSB	8.29	0	7.64	0	0	0
TR10	USB	2.44	2.44	3.18	0	0	0
	AM	2.44	2.44	3.18	0	0	0
	LSB	2.44	2.44	3.18	0	0	0
TR12	USB	0.57	8.27	0	0	0	0
	AM	0.57	8.27	0	0	0	0
	LSB	0.57	8.27	0	0	0	0
TR13	USB	8.29	0.71	8.29	0	0	0
	AM	8.29	0.71	8.29	0	0	0
	LSB	8.29	0.71	8.29	0	0	0
TR14	USB	1.87	8.19	2.6	0	0	0
	AM	1.87	8.19	2.6	0	1.05	0
	LSB	1.87	8.19	2.6	0	0	0

Pin No.		RX			TX		
		E	C	B	E	C	B
TR16	USB	0.5	8.04	1.13	0	0	0
	AM	0.5	8.04	1.13	0	0	0
	LSB	0.5	8.04	1.13	0	0	0
TR17	USB	0	2.95	0.7	0	0	0
	AM	0	2.95	0.7	0	0	0
	LSB	0	2.95	0.7	0	0	0
TR18	USB	1.65	8.03	2.36	0	0	0
	AM	1.65	8.03	2.36	0	0	0
	LSB	1.65	8.03	2.36	0	0	0
TR19	USB	0.7	5.08	1.3	0	0	0
	AM	0.7	5.50	1.3	0	0	0
	LSB	0.7	5.08	1.3	0	0	0
TR21	USB	0	2.94	0	0	2.94	0
	AM	0	2.99	0.24	0	1.87	2.55
	LSB	0	2.99	0	0	2.94	0
TR22	USB	0.46	3.22	1.10	0.46	3.22	1.10
	AM	0.46	3.22	1.10	0.46	3.22	1.10
	LSB	0.46	3.22	1.10	0.46	3.22	1.10
TR23	USB	1.16	4.06	1.81	1.16	4.06	1.81
	AM	1.16	4.06	1.81	1.16	4.06	1.81
	LSB	1.16	4.06	1.81	1.16	4.06	1.81
TR24	USB	0	0	0.732	0	0	0
	AM	0	0	0.732	0	0	0
	LSB	0	0	0.732	0	0	0
TR25	USB	6.57	0.73	6.35	6.57	0	6.35
	AM	6.57	0.73	6.35	6.57	0	6.35
	LSB	6.57	0.73	6.35	6.57	0	6.35
TR26	USB	4.30	6.20	1.0	4.16	6.20	1.0
	AM	4.11	6.20	1.0	1.71	6.20	1.0
	LSB	4.30	6.20	1.0	4.18	6.20	1.0

Pin No.		RX			TX		
		E	C	B	E	C	B
TR27	USB	3.22	0	3.22	3.22	0	3.22
	AM	3.22	0	3.22	3.22	0	3.22
	LSB	3.22	0	3.22	3.22	0	3.22
TR28	USB	7.51	13.86	8.14	7.51	13.63	8.14
	AM	7.51	13.86	8.14	7.51	13.63	8.14
	LSB	7.51	13.86	8.14	7.51	13.63	8.14
TR29	USB	1.16	8.16	1.463	1.16	8.16	1.463
	AM	1.09	8.16	1.463	1.09	8.16	1.463
	LSB	1.06	8.16	1.463	1.06	8.16	1.463
TR30	USB	3.24	7.93	3.84	3.24	7.93	3.84
	AM	3.20	7.93	3.84	3.19	7.93	3.84
	LSB	3.18	7.93	3.84	3.18	7.93	3.84
TR31	USB	0	0	0	0	8.26	0
	AM	0.24	0.24	0.953	7.07	8.26	7.76
	LSB	0	0	0	0	8.26	0
TR32	USB	1.50	7.16	2.17	1.50	7.16	2.17
	AM	0	0	0	1.50	6.05	1.84
	LSB	1.50	7.16	2.17	1.50	7.16	2.17
TR33	USB	0	8.28	0	0	0	0
	AM	7.0	8.28	7.73	0	0	0.66
	LSB	0	8.28	0	0	0	0
TR34	USB	0	6.2	0	2.52	6.2	0
	AM	5.49	6.2	0	4.96	6.2	0
	LSB	0	6.2	0	2.52	6.2	0
TR35	USB	7.8	13.8	8.0	0	0	0.70
	AM	7.8	13.8	8.0	0	0	0.70
	LSB	7.8	13.8	8.0	0	0	0.70
TR36	USB	0	13.8	0	0	13.47	0.74
	AM	0	13.2	0	0	7.2	0.65
	LSB	0	13.8	0	0	13.47	0.74
TR37	USB	0	7.11	0	0.76	7.11	1.34
	AM	0	7.11	0	0.76	7.11	1.34
	LSB	0	7.11	0	0.76	7.11	1.34

Pin No.		RX			TX		
		E	C	B	E	C	B
TR38	USB	0	13.86	0	0	13.37	0.68
	AM	0	13.26	0	0	7.13	0.47
	LSB	0	13.8	0	0	13.4	0.68
TR39	USB	0	0	0	0.96	8.26	1.65
	AM	0	0	0	0.96	8.26	1.65
	LSB	0	0	0	0.96	8.26	1.65
TR41	USB	13.8	13.8	6.8	13.57	13.5	6.8
	AM	13.2	13.8	6.8	5.8	13.1	6.5
	LSB	13.8	13.8	6.8	13.57	13.5	6.8
TR42	USB	6.8	13.8	7.2	6.8	13.5	7.2
	AM	6.8	13.8	7.2	6.5	13.1	7.1
	LSB	6.8	13.8	7.2	6.8	13.5	7.1
TR44	USB	0.894	2.26	1.528	0	0	0
	AM	0.894	2.26	1.528	0	0	0
	LSB	0.894	2.26	1.528	0	0	0
TR47	USB	6.23	0	8.17	0	0	1.42
	AM	6.23	0	8.17	0	0	1.42
	LSB	6.23	0	8.17	0	0	1.42
TR48	USB	2.5	170 mV	2.3	0	0	0
	AM	2.5	170 mV	2.3	0	0	0
	LSB	2.5	170 mV	2.3	0	0	0
TR51	USB	0.1	8.2	0.64	-0.4	0	0
	AM	0.1	8.2	0.64	-0.4	0	0
	LSB	0.1	8.2	0.64	-0.4	0	0
TR52	USB	2.36	7.95	2.95	0	0	0
	AM	2.36	7.95	2.95	0	0	0
	LSB	2.36	7.95	2.95	0	0	0
TR53	USB	0	0	0	0	0	0
	AM	0	0	0	0	0	0
	LSB	0	0	0	0	0	0

Pin No.		RX			TX				
		E	C	B	E	C	B		
TR54	USB	DRAIN	SOURCE	GATE	DRAIN	SOURCE	GATE		
	AM	DRAIN	SOURCE	GATE	DRAIN	SOURCE	GATE		
	LSB	DRAIN	SOURCE	GATE	DRAIN	SOURCE	GATE		
FET2	USB	0	3.18	0	0	0	0		
	AM	0	3.18	0	0	0	0		
	LSB	0	3.18	0	0	0	0		
FET3	USB	4.5	1.7	0	0	0	0		
	AM	0	0	0	0	0	0		
	LSB	4.5	1.7	0	0	0	0		
FET34	USB	0	0	0	0	0	0	0	0
	AM	6.91	0.59	0	0	0	0	0	0
	LSB	0	0	0	0	0	0	0	0

TR SOUND TRACKER BOARD

Pin No.		RX (Normal)			RX (ST/On)			TX (Normal)			TX (ST/On)		
		E	C	B	E	C	B	E	C	B	E	C	B
TR1	USB	0.5	3.3	1.1	0.5	3.3	1.1	0.5	3.3	1.1	0.5	3.3	1.1
	AM	0.5	3.3	1.1	0.5	3.3	1.1	0.5	3.3	1.1	0.5	3.3	1.1
	LSB	0.5	3.3	1.1	0.5	3.3	1.1	0.5	3.3	1.1	0.5	3.3	1.1
TR2	USB	0.2	4.9	0	0.48	2.2	1.0	0.2	4.9	0	0.48	2.2	1.0
	AM	0.48	4.9	0	0.48	2.2	1.0	0.2	4.9	0	0.48	2.2	1.0
	LSB	0.48	4.9	0	0.48	2.2	1.0	0.2	4.9	0	0.48	2.2	1.0

IC's

IC	Pin No.		RX	TX
IC 1 MB-8719	1	USB	2.5	2.5
		AM	2.5	2.5
		LSB	2.5	2.5
	2	USB	4.6	4.6
		AM	4.6	4.6
		LSB	4.6	4.6
	3	USB	6.7	6.7
		AM	6.7	6.7
		LSB	6.7	6.7
	4	USB	3.1	3.1
		AM	3.1	3.1
		LSB	3.1	3.1
	5	USB	3.0	3.0
		AM	3.0	3.0
		LSB	3.0	3.0
	6	USB	7.8	7.8
		AM	7.8	7.8
		LSB	7.8	7.8
	7	USB	10.24 MHz	
		AM	10.24 MHz	
		LSB	10.24 MHz	
	8	USB	10.24 MHz	
		AM	10.24 MHz	
		LSB	10.24 MHz	
	9	USB	7.8	7.8
		AM	7.8	7.8
		LSB	7.8	7.8
	10	USB	7.8	7.8
		AM	7.8	7.8
		LSB	7.8	7.8
	11	USB	8.0	8.0
		AM	8.0	8.0
		LSB	8.0	8.0

IC	Pin No.		RX	TX
IC 1 MB-8719	12	USB	0	0
		AM	0	0
		LSB	0	0
	13	USB	0	0
		AM	0	0
		LSB	0	0
	14	USB	8.0	8.0
		AM	8.0	8.0
		LSB	8.0	8.0
	15	USB	0	0
		AM	0	0
		LSB	0	0
	16	USB	8.0	8.0
		AM	8.0	8.0
		LSB	8.0	8.0
	17	USB	1 MHz	1 MHz
		AM	1 MHz	1 MHz
		LSB	1 MHz	1 MHz
18	USB	0	0	
	AM	0	0	
	LSB	0	0	
IC 2 VCO MODULE	1	USB	8 V (34.985 MHz)	
		AM	8 V (34.985 MHz)	
		LSB	8 V (34.985 MHz)	
	2	USB	0	0
		AM	0	0
		LSB	0	0
	3	USB	0	0
		AM	0	0
		LSB	0	0
	4	USB	0	0
		AM	0	0
		LSB	0	0

IC	Pin No.		RX	TX
IC 2 VCO MODUL	5	USB	2.5	2.5
		AM	2.5	2.5
		LSB	2.5	2.5
	6	USB	0	0
		AM	0	0
		LSB	0	0
	7	USB	0	0
		AM	0	0
		LSB	0	0
	8	USB	8.0	8.0
		AM	8.0	8.0
		LSB	8.0	8.0
	9	USB	7.2	7.2
		AM	7.2	7.2
		LSB	7.2	7.2
10	USB	4.0	4.0	
	AM	4.0	4.0	
	LSB	4.0	4.0	
IC 3 UPC- 1037H	1	USB	6.5	6.4
		AM	6.5	6.4
		LSB	6.5	6.4
	2	USB	6.8	6.7
		AM	6.8	6.7(7.8MHz)
		LSB	6.8	6.7
	3	USB	7.6	5.0
		AM	7.6	5.0(7.8MHz)
		LSB	7.6	5.0
	4	USB	0	0
		AM	0	0
		LSB	0	0
	5	USB	2.9	2.8
		AM	2.9	2.8
		LSB	2.9	2.8
6	USB	2.9	2.8	
	AM	2.9	2.8	
	LSB	2.9	2.8	

IC	Pin No.		RX	TX
IC 3 UPC- 1037H	7	USB	2.9	2.8
		AM	2.9	2.8
		LSB	2.9	2.8
IC 4 MB-3756	1	USB	8.29	8.29
		AM	8.29	8.29
		LSB	8.29	8.29
	2	USB	13.8	13.8
		AM	13.8	13.8
		LSB	13.8	13.8
	3	USB	8.29	8.29
		AM	8.29	8.29
		LSB	8.29	8.29
	4	USB	0	0
		AM	0	0
		LSB	0	0
	5	USB	13.8	0
		AM	13.8	0
		LSB	13.8	0
6	USB	8.29	0	
	AM	8.29	0	
	LSB	8.29	0	
7	USB	0	0	
	AM	0	0	
	LSB	0	0	
8	USB	0.24	8.27	
	AM	0.24	8.27	
	LSB	0.24	8.27	
IC 5 TDA-6130	1	USB	0	0
		AM	0	0
		LSB	0	0
	2	USB	0	7.94
		AM	0	7.94
		LSB	0	7.94
	3	USB	0	7.94
		AM	0.24	7.94
		LSB	0	7.94

IC	Pin No.		RX	TX
IC 5 TDA-6130	4	USB	0	0
		AM	0	0
		LSB	0	0
	5	USB	0	7.94
		AM	0.24	7.94
		LSB	0	7.94
	6	USB	0	0
		AM	0	0
		LSB	0	0
	7	USB	0	3.18
		AM	0.24	3.18
		LSB	0	3.18
	8	USB	0	3.18
		AM	0.24	3.18
		LSB	0	3.18
	9	USB	0	0
		AM	0	0
		LSB	0	0
	10	USB	0	3.18
		AM	0	3.18
		LSB	0	3.18
	11	USB	0	1.57
		AM	0	1.57
		LSB	0	1.57
	12	USB	0	1.15
		AM	0	1.15
		LSB	0	1.15
	13	USB	0	1.572
		AM	0	1.572
		LSB	0	1.572
	14	USB	0	0
		AM	0	0
		LSB	0	0

IC	Pin No.		RX	TX
IC 6 KIA-7217	1	USB	13.11	12.74
		AM	13.11	12.74
		LSB	13.11	12.74
	2	USB	11.87	11.51
		AM	11.87	11.51
		LSB	11.87	11.51
	3	USB	3.87	3.80
		AM	3.87	3.80
		LSB	3.87	3.80
	4	USB	7.95	7.80
		AM	7.95	7.80
		LSB	7.95	7.80
	5	USB	1.51	1.51
		AM	1.51	1.51
		LSB	1.51	1.51
	6	USB	3.27	3.19
		AM	3.27	3.19
		LSB	3.27	3.19
	7	USB	3.28	3.21
		AM	3.28	3.21
		LSB	3.28	3.21
	8	USB	1.29	1.29
		AM	1.29	1.29
		LSB	1.29	1.29
	9	USB	0	0
		AM	0	0
		LSB	0	0
	10	USB	6.65	6.5
		AM	6.65	6.5
		LSB	6.65	6.5

IC's SOUND TRACKER BOARD

IC	Pin No.		Normal		ST/ON	
			RX	TX	RX	TX
IC1 TA31101AP	1	USB	0.5	0.5	0.5	0.5
		AM	0.5	0.5	0.5	0.5
		LSB	0.5	0.5	0.5	0.5
	2	USB	0.83	0.83	0.83	0.83
		AM	0.83	0.83	0.83	0.83
		LSB	0.83	0.83	0.83	0.83
	3	USB	1.19	1.19	1.19	1.19
		AM	1.19	1.19	1.19	1.19
		LSB	1.19	1.19	1.19	1.19
	4	USB	0	0	0	0
		AM	0	0	0	0
		LSB	0	0	0	0
	5	USB	1.19	1.19	1.19	1.19
		AM	1.19	1.19	1.19	1.19
		LSB	1.19	1.19	1.19	1.19
	6	USB	1.17	1.17	1.17	1.17
		AM	1.17	1.17	1.17	1.17
		LSB	1.17	1.17	1.17	1.17
	7	USB	1.17	1.17	1.17	1.17
		AM	1.17	1.17	1.17	1.17
		LSB	1.17	1.17	1.17	1.17
	8	USB	1.31	1.31	1.31	1.31
		AM	1.31	1.31	1.31	1.31
		LSB	1.31	1.31	1.31	1.31
	9	USB	1.31	1.31	1.31	1.31
		AM	1.31	1.31	1.31	1.31
		LSB	1.31	1.31	1.31	1.31
	10	USB	1.16	1.16	1.16	1.16
		AM	1.16	1.16	1.16	1.16
		LSB	1.16	1.16	1.16	1.16
	11	USB	1.18	1.18	1.18	1.18
		AM	1.18	1.18	1.18	1.18
		LSB	1.18	1.18	1.18	1.18

IC	Pin No.		Normal		ST/ON	
			RX	TX	RX	TX
IC1 TA31101AP	12	USB	1.17	1.17	1.17	1.17
		AM	1.17	1.17	1.17	1.17
		LSB	1.17	1.17	1.17	1.17
	13	USB	5.0	5.0	5.0	5.0
		AM	5.0	5.0	5.0	5.0
		LSB	5.0	5.0	5.0	5.0
	14	USB	1.19	1.19	1.19	1.19
		AM	1.19	1.19	1.19	1.19
		LSB	1.19	1.19	1.19	1.19
	15	USB	0.83	0.83	0.83	0.83
		AM	0.83	0.83	0.83	0.83
		LSB	0.83	0.83	0.83	0.83
	16	USB	0.50	0.50	0.50	0.50
		AM	0.50	0.50	0.50	0.50
		LSB	0.50	0.50	0.50	0.50
IC2 MC14066	1	USB	0.25	0.25	1.0	1.0
		AM	0.25	0.25	1.0	1.0
		LSB	0.25	0.25	1.0	1.0
	2	USB	0.25	0.25	0.25	0.25
		AM	0.25	0.25	0.25	0.25
		LSB	0.25	0.25	0.25	0.25
	3	USB	0.25	0.25	0.25	0.25
		AM	0.25	0.25	0.25	0.25
		LSB	0.25	0.25	0.25	0.25
	4	USB	0	0	0	0
		AM	0	0	0	0
		LSB	0	0	0	0
5	USB	0	0	5.0	5.0	
	AM	0	0	5.0	5.0	
	LSB	0	0	5.0	5.0	
6	USB	0	0	5.0	5.0	
	AM	0	0	5.0	5.0	
	LSB	0	0	5.0	5.0	

IC	Pin No.		Normal		ST/ON	
			RX	TX	RX	TX
IC2 MC14066	7	USB	0	0	0	0
		AM	0	0	0	0
		LSB	0	0	0	0
	8	USB	0	0	0	0
		AM	0	0	0	0
		LSB	0	0	0	0
	9	USB	0	0	0	0
		AM	0	0	0	0
		LSB	0	0	0	0
	10	USB	0	0	0	0
		AM	0	0	0	0
		LSB	0	0	0	0
11	USB	0	0	0	0	
	AM	0	0	0	0	
	LSB	0	0	0	0	
12	USB	5.0	5.0	0	0	
	AM	5.0	5.0	0	0	
	LSB	5.0	5.0	0	0	

IC	Pin No.		Normal		ST/ON	
			RX	TX	RX	TX
IC2 MC14066	13	USB	5.0	5.0	0	0
		AM	5.0	5.0	0	0
		LSB	5.0	5.0	0	0
	14	USB	5.0	5.0	5.0	5.0
		AM	5.0	5.0	5.0	5.0
		LSB	5.0	5.0	5.0	5.0
IC3 78L05	1	USB	8.3	8.3	8.3	8.3
		AM	8.3	8.3	8.3	8.3
		LSB	8.3	8.3	8.3	8.3
	2	USB	0	0	0	0
		AM	0	0	0	0
		LSB	0	0	0	0
	3	USB	5.0	5.0	5.0	5.0
		AM	5.0	5.0	5.0	5.0
		LSB	5.0	5.0	5.0	5.0