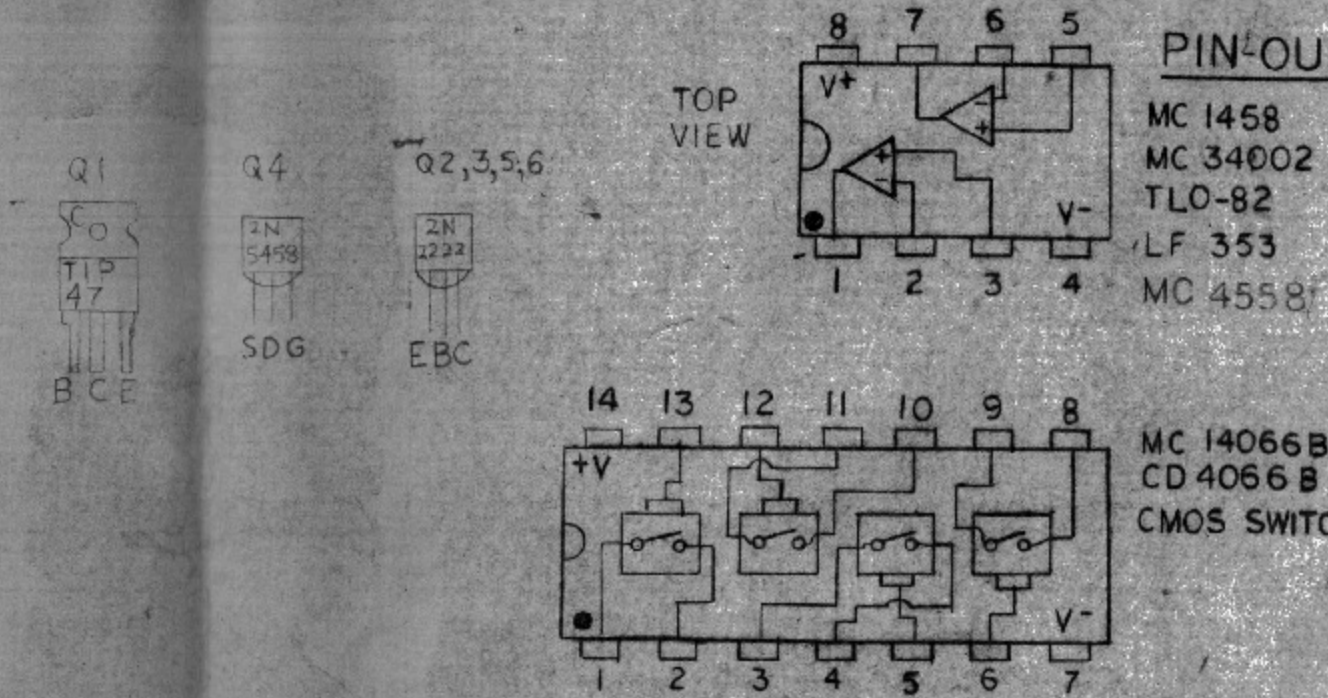


FSK 500

IRL
700 TAYLOR RD.
COLUMBUS, OH. 43230

REV 7-1-81



RESISTORS

R1	5.11 K	R31	1.00 K	R61	105 K	R91	73.2 K
R2	6.98 K	R32	13.0 K	R62	679 Ω	R92	10.0 K
R3	8.45 K	R33	14.7 K	R63	147 K	R93	10.0 K
R4	12.4 K	R34	63.4 K	R64	147 K	R94	73.2 K
R5	10.0 K	R35	51.1 K	R65	499 K	R95	73.2 K
R6	105 K	R36	80.6 K	R66	10.0 K	R96	73.2 K
R7	105 K	R37	21.5 K	R67	10MEG	R97	249 K
R8	10.0 K	R38	20.0 K	R68	105 K	R98	121 K
R9	105 K	R39	6.98 K	R69	2.25 K	R99	453 K
R10	105 K	R40	2.15 K	R70	316 K	R100	20.0 K
R11	316 K	R41	10.0 K	R71	10.0 K	R101	200 K
R12	845 Ω	R42	10.0 K	R72	10.0 K	R102	105 K
R13	10.0 K	R43	10.0 K	R73	10.0 K	R103	105 K
R14	10.0 K	R44	105 K	R74	1.54 K	R104	10.0 K
R15	845 Ω	R45	105 K	R75	2.61 K	R105	10.0 K
R16	2.67 K	R46	105 K	R76	3.83 K	R106	1.69 K
R17	1.00 K	R47	105 K	R77	10.0 K	R107	20.0 K
R18	2.15 K	R48	10.0 K	R78	10.0 K	R108	105 K
R19	1.30 K	R49	13.0 K	R79	10.0 K	R109	100 K
R20	60.4 Ω	R50	14.7 K	R80	105 K	R110	1.96 K
R21	316 K	R51	63.4 K	R81	2.15 K	R111	1.96 K
R22	6.98 K	R52	51.1 K	R82	316 K	R112	105 K
R23	100 K	R53	80.6 K	R83	10.0 K	R113	105 K
R24	100 K	R54	21.5 K	R84	10.0 K	R114	510 K
R25	105 K	R55	20.0 K	R85	10.0 K	R115	10.0 K
R26	332 Ω	R56	23.2 K	R86	10.0 K	R116	56.2 K
R27	332 Ω	R57	7.68 K	R87	1.00 K	R117	4.99 K
R28	105 K	R58	8.25 K	R88	11.8 K	R118	10.0 K
R29	105 K	R59	24.3 K	R89	105 K	R119	1.00 K
R30	10.0 K	R60	1.96 K	R90	105 K	R120	20.0 K
						R121	105 K

PARTS LIST

CAPACITORS

C1 THRU C6	.015 UF
C7	.0047 UF
C8, C9	.015 UF
C10	.047 UF
C11 THRU C17	.015 UF
C18	.047 UF
C19	3300 PF
C20, C21	.1 UF
C30, C31	1000 UF
C32	10 UF
C33	1 UF
C34, C35, C36	10 UF

DIODES

D1, D2	IN4148
D3 THRU D6	IN4001
D7 THRU D27	IN4148

ZENERS

Z1	IN4732 (4.7V)
Z2, Z3	IN4735 (6.2V)
Z4	IN4732

TRANSISTORS

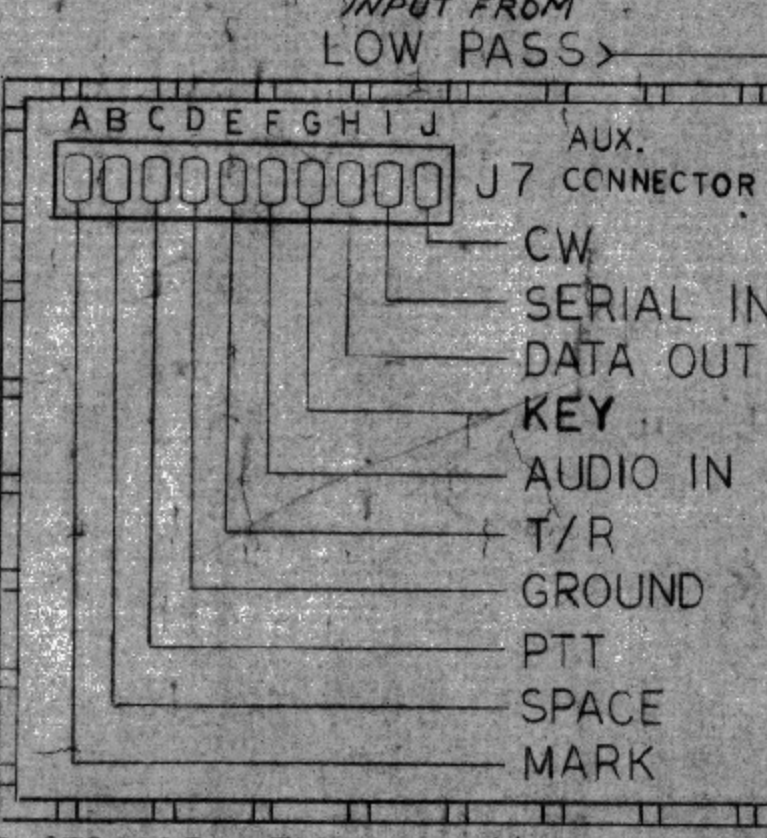
Q1	TIP 47
Q2, Q3	2N2222(T092)

INTEGRATED CIRCUITS

U1, U7, U9	CD4066
U2 THRU U5	LF353
U6	MC1458
U8	LF353
U10 THRU U14	LF353
U15 THRU U18	MC1458

NOTE: IF UNIT STRAPPED FOR RS-232, SERIAL IN MUST BE SHORTED TO RECEIVE

* R122 100K
R123 10K
R124 10K



NOTE: IF UNIT STRAPPED FOR RS-232, SERIAL IN MUST BE SHORTED TO RECEIVE

* R122 100K
R123 10K
R124 10K

NOTES

- D27 LOCATED LEFT OF R205
- R44 LOCATED BETWEEN SW AND SW4 IS 1.55K
- ERROR ON BOARD SILK SCREEN HAS RESULTED IN TWO RESISTORS LABELED R19, R19(850) LOCATED BETWEEN SW AND SW4 IS 1.55K
- U14 MUST BE TL082 OR LF353
- ANY 8 PIN INTEGRATED CIRCUIT MAY BE REPLACED BY AN LF353 OR TL082
- R206 NOT MARKED, LOCATED ADJACENT TO R200

THIS JACK INCLUDED ON UNITS SN 50548 AND SUBS

SOLDER PAD PRIOR TO SN 50548

TO OPTIONAL INTERNAL LOOP SUPPLY

JUMPER A-B EXCEPT WHEN LOOP IS IN USE, THEN JUMPER SHOULD BE B-C

LOOP 20-60 MA 200VMAX

JUMPER A-B-TTL JUMPER B-C-RS232