


06A538-02 SILKSCREEN REV. 0

SHEET 2 OF 2 IS ACAD FILE #53822P???.DWG

SIGNATURES:		DATE:	 11880 BORMAN DR. ST. LOUIS, MISSOURI 63146	
DRAWN:	REM	8/21/98	PROJECT NAME:	
CHK'D:	GM	7/15/98	B3-3158a	
APP'D:	GM	7/15/98	DRAWING NAME:	
ORIGINAL ISSUED:		7/15/98	PICTORIAL	
PLOT DATE:		7/15/98	DRAWING NO. 07P538-22	
PLOT TIME:		00:00	REV. 0_	
FILE NAME:	53822B0_	SCALE: NTS	SHEET: 1_OF_2	

B

C

D

E

3

4

DESIGNATOR	PART #	DESCRIPTION	
C1	10A473-11	.047uF	100V
C2	10R223-02	.022uF	100V
C3	10R473-03	.047uF	100V
C4	10A101-21	100pF	200V
C5	10A104-01	.1uF	50V
C6	10F224-03	.22uF	100V
C7	10F224-03	.22uF	100V
C8	10A222-11	.0022uF	100V
C9	12R105-50	1uF	50V
C10	12R105-50	1uF	50V
C11	10A104-01	.1uF	50V
C12	10A103-11	.01uF	100V
C13	10A222-11	.0022uF	100V
C14	10R682-03	.0068uF	100V
C15	10F154-02	.15uF	100V
C16	10A103-11	.01uF	100V
C17	10R223-02	.022uF	100V
C18	10F224-03	.22uF	100V
C19	10A104-01	.1uF	50V
C20	10A472-11	.0047uF	100V
C21	10A104-01	.1uF	50V
C22	10A101-21	100pF	200V
C23	10A101-21	100pF	200V
C24	10A223-01	.022uF	50V
C25	10A223-01	.022uF	50V
C26	10A473-11	.047uF	100V
C27	10A223-01	.022uF	50V
C28	10A102-11	.001uF	100V
C29	NOT USED		
C30	NOT USED		
C31	10A473-11	.047uF	100V
C32	10A473-11	.047uF	100V
C33	10F224-03	.22uF	100V
C34	12R226-32	22uF	35V
C35	10F224-03	.22uF	100V
C36	10A473-11	.047uF	100V
C37	10F224-03	.22uF	100V
C38	10A223-01	.022uF	50V
C39	10A104-01	.1uF	50V
C40	10A153-01	.015uF	50V
C41	10A473-11	.047uF	100V
C42	10R682-03	.0068uF	100V
C43	10A473-11	.047uF	100V
C44	10A222-11	.0022uF	100V
C45	10A333-01	.033uF	50V
C46	10A102-11	.001uF	100V
C47	10A682-01	.0068uF	100V
C48	10A471-11	470pF	100V
C49	10A332-01	.0033uF	100V
C50	10A331-11	330pF	100V
C51	10A332-01	.0033uF	100V
C52	10A331-11	330pF	100V
C53	12R226-32	22uF	35V
C54	12R225-50	2.2uF	50V
C55	12R106-36	10uF	35V
D1	21-501-01	RED	LED
D2	21-511-04	YELLOW	LED
D3	NOT USED		
D4	21-501-01	RED	LED
D5	21-503-01	YELLOW	LED
D6	21-502-01	GREEN	LED
D7	21A914-01	1N914	
D8	21A914-01	1N914	
D9	21A914-01	1N914	
D10	21A914-01	1N914	
D11	21A146-01	1N746A	3.3V
D12	21A754-01	1N754A	6.8V
D13	21A914-01	1N914	
D14	21A914-01	1N914	
D15	21A914-01	1N914	
D16	21A914-01	1N914	
D17	21A146-01	1N746A	3.3V
D18	21A914-01	1N914	
D19	21A914-01	1N914	
D20	NOT USED		


D21	NOT USED		
D22	NOT USED		
IC1	37-260-01	NJM2060	
IC2	37-074-01	TL074	
IC3	37-074-01	TL074	
IC4	37-074-01	TL074	
IC5	37-074-01	TL074	
J1	39-119-01	T/S	JACK
J2	17-310-10	10 PIN HEADER	
J3	17-310-05	5 PIN HEADER	
J4	NOT USED		
J5	NOT USED		
J6	NOT USED		
J7	51-149-01	GNDLUG	
J8	99-124-02	12 PIN	RIBBON
J10	51-149-01	GNDLUG	
P1	70-503-22	50K AUDIO	
P2	70-503-22	50K AUDIO	
P3	70-503-22	50K AUDIO	
P4	70-503-22	50K AUDIO	
P5	70-503-22	50K AUDIO	
P6	70-104-21	100K LINEAR	
P7	70-104-21	100K LINEAR	
P8	70-104-21	100K LINEAR	
P9	70-104-21	100K LINEAR	
P10	70-104-21	100K LINEAR	
P11	70-104-21	100K LINEAR	
P12	70-104-21	100K LINEAR	
P13	70-104-21	100K LINEAR	
P14	70-104-21	100K LINEAR	
P15	70-103-28	10K AUDIO	
P16	70-103-24	10K LINEAR	
P17	NOT USED		
Q1	96R175-01	J175	
Q2	96R510-01	2N5210	
Q3	96R510-01	2N5210	
Q4	NOT USED		
Q5	NOT USED		
Q6	NOT USED		
Q7	96R013-01	MPSA13	
Q8	96R013-01	MPSA13	
Q9	96R013-01	MPSA13	
R1	NOT USED		
R2	76-472-01	4.7K	
R3	76-683-01	68K	
R4	76-153-01	15K	
R5	76-105-01	1M	
R6	76-681-01	680	
R7	76-222-01	2.2K	
R8	76-102-01	1K	
R9	76-222-01	2.2K	
R10	76-102-01	1K	
R11	76-683-01	68K	
R12	76-103-01	10K	
R13	76-223-01	22K	
R14	76-333-01	33K	
R15	76-102-01	1K	
R16	76-473-01	47K	
R17	76-334-01	330K	
R18	76-104-01	100K	
R19	76-223-01	22K	
R20	76-472-01	4.7K	
R21	76-103-01	10K	
R22	76-103-01	10K	
R23	76-103-01	10K	
R24	76-472-01	4.7K	
R25	76-103-01	10K	
R26	76-223-01	22K	
R27	76-222-01	2.2K	
R28	76-103-01	10K	
R29	76-103-01	10K	
R30	76-102-01	1K	
R31	76-682-01	6.8K	

R32	76-473-01	47K
R33	76-103-01	10K
R34	76-334-01	330K
R35	76-102-01	1K
R36	76-103-01	10K
R37	76-153-01	15K
R38	76-153-01	15K
R39	76-222-01	2.2K
R40	76-104-01	100K
R41	77-152-01	1.5K
R42	76-104-01	100K
R43	76-105-01	1M
R44	76-222-01	2.2K
R45	76-473-01	47K
R46	76-103-01	10K
R47	76-103-01	10K
R48	76-333-01	33K
R49	76-333-01	33K
R50	76-683-01	68K
R51	76-222-01	2.2K
R52	76-333-01	33K
R53	76-222-01	2.2K
R54	NOT USED	
R55	76-223-01	22K
R56	76-102-01	1K
R57	76-223-01	22K
R58	76-472-01	4.7K
R59	NOT USED	
R60	NOT USED	
R61	NOT USED	
R62	NOT USED	
R63	NOT USED	
R64	NOT USED	
R65	NOT USED	
R66	NOT USED	
R67	NOT USED	
R68	76-333-01	33K
R69	76-335-01	3.3M
R70	76-222-01	2.2K
R71	76-222-01	2.2K
R72	76-151-01	150
R73	76-151-01	150
R74	76-224-01	220K
R75	76-332-01	3.3K
R76	76-184-01	180K
R77	76-472-01	4.7K
R78	76-184-01	180K
R79	76-332-01	3.3K

R80	76-184-01	180K
R81	76-472-01	4.7K
R82	76-184-01	180K
R83	76-472-01	4.7K
R84	76-224-01	220K
R85	76-472-01	4.7K
R86	76-334-01	330K
R87	76-472-01	4.7K
R88	76-274-01	270K
R89	76-332-01	3.3K
R90	76-154-01	150K
R91	76-222-01	2.2K
R92	76-103-01	10K
R93	76-100-01	10
R94	76-100-01	10

S1	88-302-02	DUAL	SWITCH
S2	NOT USED		
JW1-JW38	76-000-05	JUMPER WIRE	
JW39	NOT USED		
JW40	76-000-05	JUMPER WIRE	
JW41	NOT USED		
JW42-47	76-000-05	JUMPER WIRE	
OPT9	76-000-05	JUMPER WIRE	
PCB	06A538-02	PC BOARD	

SEE SHT 1 FOR REV HISTORY

SIGNATURES:		DATE:	 11880 BORMAN DR. ST. LOUIS, MISSOURI 63146
DRAWN:	REM	8/21/98	
CHK'D:	GM	8/21/98	PROJECT NAME:
APP'D:	GM	8/21/98	B-3158a
ORIGINAL ISSUED:	8/21/98	DRAWING NAME:	
PLOT DATE:	12/16/98	PREAMP PICTORIAL	
PLOT TIME:	12:58:22	DRAWING NO.	07P538-22
FILE NAME:	53822P0_	REV.	0_
SCALE:		~	SHEET: 2 OF 2