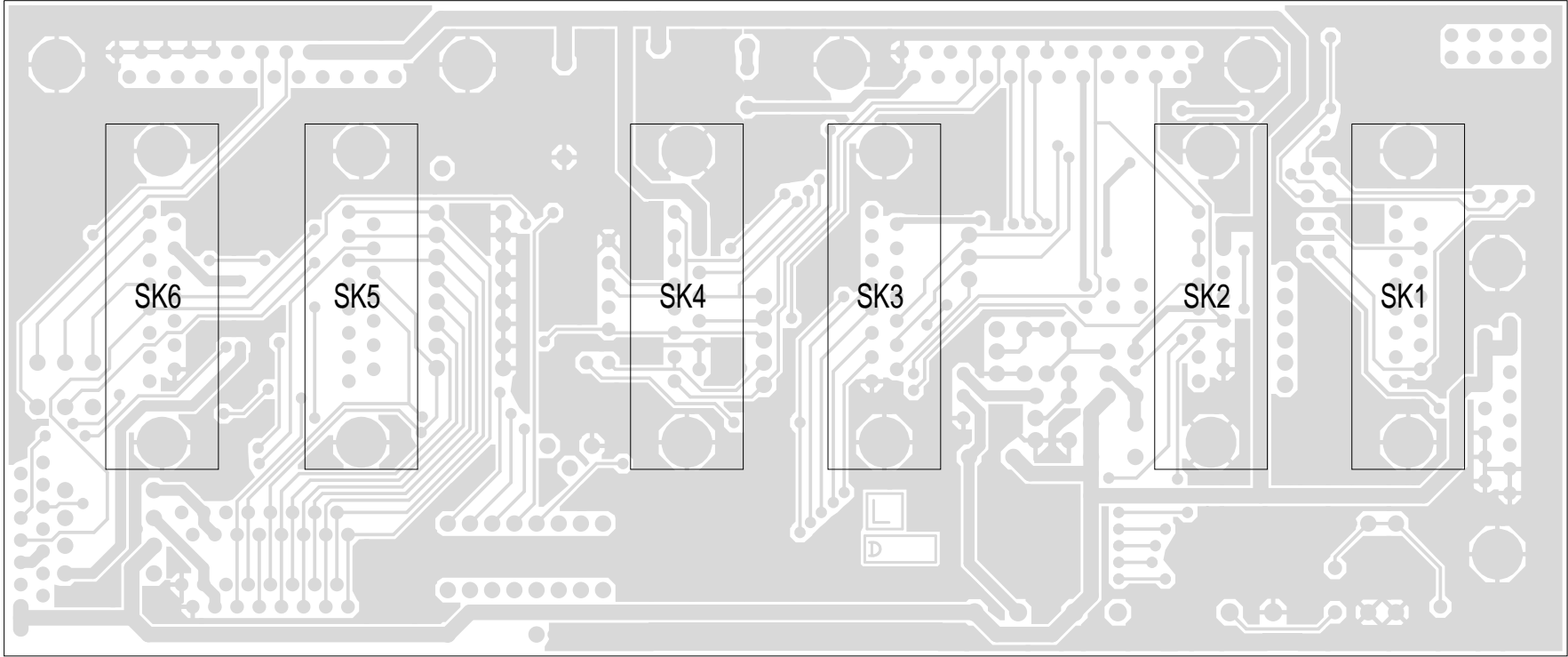


06A	UPDATE AS PER ECO NO 76 0208	SSAHI				13/03/01
05A	MIMOR UPDATE AS PER ECO 730967	SSAHI				18/12/00
04A	ADDED SK9 AND SK10	SSAHI				29/5/00
03A	ADDED PL1, CN1, CN2, CN3 +	CM				28/5/99
02A	ADDED SW1, LINK7	RBM				17/12/98
01A	UPDATED	MAJ				
00A	ORIGINAL	MAJ				25-3-98
REV/ISS	AMENDMENTS	DRAWN	CHKD	D.O.	APVD	DATE

© TAIT ELECTRONICS					
T803 TONE-REMOTE 3 BIN BACKPLANE					
IPN: 220-01449-06		ISSUE: A		ID: 2.SC. 2	
PROJECT: T800	DESIGNER: SSAHI	FILE NAME: 1449_06a	FILE DATE: 13-Mar-01	NO.SHEETS: 2	



7
6
5
4
3
2
1

N M L K J H G F E D C B A

TAIT ELECTRONICS		IPN:	ISS:	ID:	DATE:
220-01449-06		A	2.BA	13 Mar	2001
T803-00 B/P PCB LAYOUT - BOTTOM SIDE					

Scale: 1:3:1 : Rotation: 90 degrees

PL1		SK8		SK9		SK10		SK11													
OEM		TONE REMOTE						LOCAL MONITOR													
PIN	FUNCTION	PIN	FUNCTION	PIN	FUNCTION	PIN	FUNCTION	PIN	FUNCTION												
1	RX LINE 1	1	0V	1	CHANNEL SELECT 1	1	CHANNEL SELECT 1	1	SPEAKER												
2	RX AUX 1	2	0V	2	CHANNEL SELECT 2	2	CHANNEL SELECT 2	2													
3	RX AUX 0	3	0V	3	CHANNEL SELECT 3	3	CHANNEL SELECT 3	3													
4	RX LINE 4	4	0V	4	CHANNEL SELECT 4	4	CHANNEL SELECT 4	4													
5	TX LINE 1	5	0V	5	CHANNEL SELECT 5	5	CHANNEL SELECT 5	5	TX AUDIO 1												
6	TX AUX 0	6	RX AUDIO OUTPUT 1	6	CHANNEL SELECT 6	6	CHANNEL SELECT 6	6	RX AUDIO 1												
7	0V	7	TX LINE 1-1	7	CHANNEL SELECT 7	7	CHANNEL SELECT 7	7													
8	TX LINE 4	8	TX LINE 4-1	8	CHANNEL SELECT 8	8	CHANNEL SELECT 8	8	RSSI												
9	SIGNAL STRENGTH (RSSI)	9	13.8V	9	RX CTCSS DISABLE	9	RX CTCSS DISABLE	9	0V												
10	SPEAKER	10	13.8V	10	SERIAL COMM	10	SERIAL COMM	10	0V												
11	CTCSS 1 (TX TONE I/P)	11	13.8V	11	RX AUDIO OUTPUT	11	RX AUDIO OUTPUT	11													
12	REV PWR ALARM	12	13.8V	12		12		12													
13	0V	13	13.8V	13	13.8V	13	13.8V	13													
14	RX MUTE	14	TONE REMOTE ALARM 0	14	13.8V	14	13.8V	14	13.8V												
15	TX KEY	15	TONE REMOTE ALARM 1	15	0V	15	0V	15	13.8V												
16	RX RELAY COMMON	16	TONE REMOTE ALARM 2	16	0V	16	0V	16	13.8V												
17	RX RELAY NORMALLY OPEN	17	TONE REMOTE ALARM 3	<div>SW2 isolates Tone Remote Module control lines:</div> <table><tr><th>SW2</th><th>SK8</th></tr><tr><td>RX AUDIO OUTPUT</td><td>RX AUDIO OUTPUT 1</td></tr><tr><td>TX LINE 1</td><td>TX LINE 1-1</td></tr><tr><td>TX LINE 4</td><td>TX LINE 4-1</td></tr><tr><td>RX MUTE</td><td>RX MUTE 1</td></tr><tr><td>TX KEY</td><td>TX KEY 1</td></tr></table>						SW2	SK8	RX AUDIO OUTPUT	RX AUDIO OUTPUT 1	TX LINE 1	TX LINE 1-1	TX LINE 4	TX LINE 4-1	RX MUTE	RX MUTE 1	TX KEY	TX KEY 1
SW2	SK8																				
RX AUDIO OUTPUT	RX AUDIO OUTPUT 1																				
TX LINE 1	TX LINE 1-1																				
TX LINE 4	TX LINE 4-1																				
RX MUTE	RX MUTE 1																				
TX KEY	TX KEY 1																				
18	RX INHIBIT	18	N/C																		
19	TX AUX 1	19	RX MUTE 1																		
20	TX OPTO KEY +	20	N/C																		
21	TX OPTO KEY –	21	TX KEY 1																		
22	FWD PWR ALARM	22	TONE REMOTE AUX 3																		
23	REV PWR METER	23	TONE REMOTE AUX 2																		
24	FWD PWR METER	24	TONE REMOTE AUX 1																		
25	13.8.V (FUSED)	25	TONE REMOTE AUX 0																		

LN 1 :-FITTED : 1-2, for TX FITTED WITH A T1500-52, FORWARD POWER ALARM

LN 2 :-FITTED : 1-2, for TX FITTED WITH A T1500-52, REVERSE POWER ALARM

LN 3 :-FITTED : 1-2, for SERIAL COMM PROGRAMMING OF TX/EX THROUGH PIN 7 OF PRIMARY (RIGHT HAND) 'D' RANGE

LN 4 :-FITTED : 1-2, for EXTERNAL CTCSS ENCODE OF TX/EX

LN 5 :-FITTED : 1-2, for SELECTION OF RX AUDIO 1 TO TONE REMOTE
: 2-3, for SELECTION OF RX LINE 1 TO TONE REMOTE
:3-4, NOT USED
:4-5, for EARTHING RX LINE 4
USED IN CONJUNCTION WITH LN5:(2-3)

LN 6 :-FITTED : 1-2, for TX CTCSS INHIBIT BY TONE REMOTE

LN 7 :-FITTED : 1-2, for SERIAL COMM PROGRAMMING OF RX THROUGH PIN 7 OF PRIMARY (RIGHT HAND) 'D' RANGE

LN 8 :-FITTED : 1-2, for TX FITTED WITH A T1500-52, TX ENABLE INPUT

LN 9 :-FITTED : 1-2, for RX INHIBIT WHEN OPERATING SIMPLEX FREQUENCY

LN 10:-FITTED : 1-2, for FAN DRIVE WHEN TX IS KEYED
: 2-3, for FAN DRIVE CONTINUOUSLY

LN1	
PIN	FUNCTION
1	FWD PWR ALARM
2	TX AUX 0
LN2	
1	REV PWR ALARM
2	TX AUX 1
LN3	
1	SERIAL COMM
2	TX AUDIO 2
LN4	
1	CTCSS 2
2	CTCSS
LN5	
PIN	FUNCTION
1	RX AUDIO 1
2	RX AUDIO OUTPUT
3	RX LINE 1
4	RX LINE 4
5	0V

SW 2	
PIN	FUNCTION
1	RX AUDIO OUTPUT
2	TX LINE 1
3	TX LINE 4
4	RX MUTE
5	TX KEY
6	
7	
8	
CN1	
RELAY	
PIN	FUNCTION
1	TX ENABLE
2	TX AUX 2
LN9	
1	TX KEY
2	RX INHIBIT
LN10	
1	TX KEY
2	CN 2 DRIVE
3	0V

SK1		SK2		SK3		SK4		SK5		SK6		SK7	
LEFT	TX/EX	RIGHT	TX/EX	LEFT	RX	RIGHT	RX	LEFT	REMOTE	RIGHT	REMOTE		PA
PIN	FUNCTION	PIN	FUNCTION	PIN	FUNCTION	PIN	FUNCTION	PIN	FUNCTION	PIN	FUNCTION	PIN	FUNCTION
1	CHANNEL SELECT 1	1	TX LINE 1	1	CHANNEL SELECT 1	1	RX LINE 1	1	CHANNEL SELECT 1	1	TX LINE 4	1	13.8V
2	CHANNEL SELECT 2	2		2	CHANNEL SELECT 2	2		2	CHANNEL SELECT 2	2	CTCSS 1	2	13.8V
3	CHANNEL SELECT 3	3		3	CHANNEL SELECT 3	3		3	CHANNEL SELECT 3	3	RX AUDIO OUTPUT	3	FWD PWR ALARM
4	CHANNEL SELECT 4	4	TX LINE 4	4	CHANNEL SELECT 4	4	RX LINE 4	4	CHANNEL SELECT 4	4	TX LINE 1	4	REV PWR ALARM
5	CHANNEL SELECT 5	5	TX ENABLE	5	CHANNEL SELECT 5	5	SIGNAL STRENGTH (RSSI)	5	CHANNEL SELECT 5	5	SIGNAL STRENGTH (RSSI)	5	FWD PWR METER
6	CHANNEL SELECT 6	6	TX AUDIO 1	6	CHANNEL SELECT 6	6	RX AUDIO 1	6	CHANNEL SELECT 6	6	TONE REMOTE ALARM 1	6	REV PWR METER
7	CHANNEL SELECT 7	7	TX AUDIO 2	7	CHANNEL SELECT 7	7	RX AUDIO 2	7	CHANNEL SELECT 7	7	TONE REMOTE ALARM 2	7	0V
8	0V	8	CTCSS	8	0V	8	SPEAKER	8	TONE REMOTE AUX 3	8	TONE REMOTE ALARM 3	8	0V
9	RX INHIBIT	9	13.8V	9	RX INHIBIT	9	13.8V	9	TEST POINT	9	REV PWR ALARM	9	13.8V
10	TX CTCSS DISABLE	10	13.8V	10	RX CTCSS DISABLE	10	13.8V	10	RX CTCSS DISABLE	10	13.8V	10	13.8V
11	CHANNEL SELECT 8	11	TX OPTO KEY +	11	CHANNEL SELECT 8	11	RX MUTE	11	CHANNEL SELECT 8	11	RX MUTE	11	13.8V
12	SERIAL COMM	12	TX OPTO KEY –	12	SERIAL COMM	12	RX RELAY COMMON	12	SERIAL COMM	12	FWD PWR ALARM	12	TX ENABLE
13	TX AUX 0	13	TX KEY	13	RX AUX 0	13	RX RELAY NORMALLY OPEN	13	TONE REMOTE AUX 0	13	TX KEY	13	0V
14	TX AUX 1	14	0V	14	RX AUX 1	14	0V	14	TONE REMOTE AUX 1	14	TONE REMOTE ALARM 0	14	0V
15	TX AUX 2	15	0V	15	RX AUX 2	15	0V	15	TONE REMOTE AUX 2	15	0V	15	0V