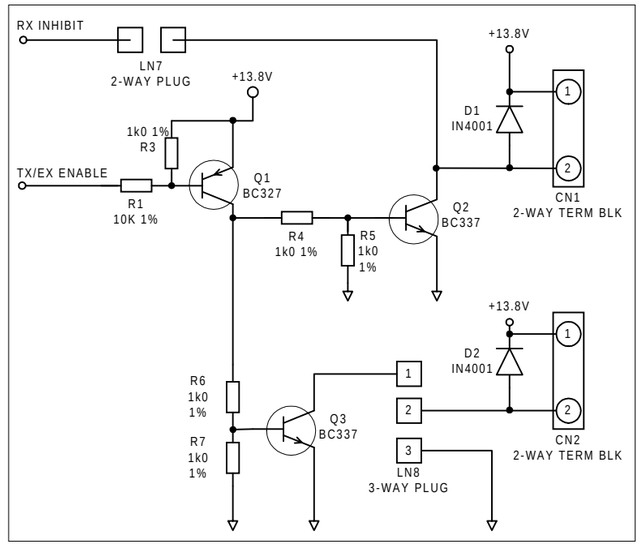
SK6 (LOWER)		SK7 (TOP)		SK1 RX RIGHT		SK2 RX LEFT		SK3 TX/EX RIGHT		SK4 TX/EX LEFT		SK5	
PIN	FUNCTION	PIN	FUNCTION	PIN	FUNCTION	PIN	FUNCTION	PIN	FUNCTION	PIN	FUNCTION	PIN	FUNCTION
1	13.8V	1	RX LINE 1	1	RX LINE 1	1	CHANNEL SELECT 1	1	TX/EX LINE 1	1	CHANNEL SELECT 1	1	13.8V
2	13.8V	2	RX LINE 2 or 13.8V	2	RX LINE 2	2	CHANNEL SELECT 2	2	TX LINE 2	2	CHANNEL SELECT 2	2	13.8V
3	TX/EX AUX 2 OUTPUT	3	RX LINE 3 or 13.8V	3	RX LINE 3	3	CHANNEL SELECT 3	3	TX LINE 3	3	CHANNEL SELECT 3	3	FWD PWR ALARM
4	TX/EX AUX 1 OUTPUT	4	RX LINE 4	4	RX LINE 4	4	CHANNEL SELECT 4	4	TX/EX LINE 4	4	CHANNEL SELECT 4	4	REV PWR ALARM
5	RX CTCSS DISABLE	5	RX SIGNAL STRENGTH (RSSI)	5	SIGNAL STRENTH (RSSI)	5	CHANNEL SELECT 5	5	TX/EX ENABLE	5	CHANNEL SELECT 5	5	FWD PWR METER
6	RX + TX/EX AUX GROUND	6	RX AUDIO 1	6	RX AUDIO 1	6	CHANNEL SELECT 6	6	TX/EX AUDIO 2	6	CHANNEL SELECT 6	6	REV PWR METER
7	RX + TX/EX CHANNEL SELECT 6	7	RX/TX/EX PRIMARY SERIAL COMMS	7	SERIAL COMMS	7	CHANNEL SELECT 7	7	SERIAL COMM	7	CHANNEL SELECT 7	7	0V
8	RX + TX/EX CHANNEL SELECT 4	8	TX/EX OPTO KEY NEGATIVE	8	SPEAKER	8	RX AUX GROUND	8	TX/EX TONE INPUT	8	TX/EX AUX GROUND	8	0V
9	RX + TX/EX CHANNEL SELECT 2	9	TX/EX OPTO KEY POSITIVE	9	13.8V	9	RX INHIBIT	9	13.8V	9		9	13.8V
10	RX AUX 1 OUTPUT	10	PA FORWARD POWER ALARM	10	13.8V	10	RX CTCSS DISABLE	10	13.8V	10	TX/EX CTCSS DISABLE	10	13.8V
11	RX AUX 2 OUTPUT	11	PA REVERSE POWER ALARM	11	RX GATE	11	CHANNEL SELECT 8	11	TX/EX OPTO KEY +ve	11	CHANNEL SELECT 8	11	13.8V
12	0V	12	PA FORWARD POWER METER	12	RX RELAY COMMON	12	SERIAL COMM	12	TX/EX OPTO KEY –ve	12	SERIAL COMM	12	PA KEY
13	0V	13	PA REVERSE POWER METER	13	RX RELAY NORMALLY OPEN	13	RX AUX 0 OUTPUT	13	TX KEY	13	TX AUX 0 OUTPUT	13	0V
14	13.8V	14	RX GATE	14	0V	14	RX AUX 1 OUTPUT	14	0V	14	TX AUX 1 OUTPUT	14	0V
15	RX AUX 0 OUTPUT	15	RX RELAY COMMON	15	0V	15	RX AUX 2 OUTPUT	15	0V	15	TX AUX 2 OUTPUT	15	0V
16	TX/EX AUX 0 OUTPUT	16	RX RELAY NORMALLY OPEN										
17	TX/EX CTCSS DISABLE	17	TX/EX KEY										
18	RX INHIBIT	18	TX/EX TONE INPUT										
19	RX + TX/EX CHANNEL SELECT 7	19	RX SPEAKER										
20	RX + TX/EX CHANNEL SELECT 5	20	TX/EX AUDIO 2										
21	RX + TX/EX CHANNEL SELECT 3	21	TX/EX ENABLE + PA KEY										
22	RX + TX/EX CHANNEL SELECT 1	22	TX/EX LINE 4										
23	RX + TX/EX CHANNEL SELECT 8	23	TX/EX LINE 3 or 0V										
24	RX/TX/EX SECONDARY SER. COMMS	24	TX/EX LINE 2 or 0V										
25	0V	25	TX/EX LINE 1										



LN1		LN5		LN9		LN11		CN1 RELAY	
PIN	FUNCTION	PIN	FUNCTION	PIN	FUNCTION	PIN	FUNCTION	1	13.8V
1	TX/EX LINE 1	1	TX KEY	1	RX LINE 3	1	TX LINE 3	2	DRIVE
2	RX LINE 1	2	RX GATE	2	RX LINE 3 (SK7)	2	TX/EX LINE 3	**CN2 FAN**	
LN2		**LN6**		3	13.8V	3	0V	1	13.8V
1	TX LINE 2	1	PRIMARY 'D' RANGE	**LN10**		**LN12**		2	DRIVE
2	RX LINE 2	2	SERIAL COMMS	1	RX LINE 2	1	TX LINE 2	**RJ1**	
LN3		3	SECONDARY 'D' RANGE	2	RX LINE 2 (SK7)	2	TX/EX LINE 2	1	N/C
1	TX LINE 3	**LN7**		3	13.8V	3	0V	2	N/C
2	RX LINE 3	1	TX RELAY DRIVE					3	SERIAL COMMS
LN4		2	RX INHIBIT	→ See diagram				4	SPEAKER
1	TX/EX LINE 4	**LN8**						5	0V
2	RX LINE 4	1	TX ENABLE	→ See diagram				6	N/C
		2	CN2 DRIVE						
		3	0V						

LN 1 :- FITTED : 1-2, for REPEATER OPERATION

LN 2 :- FITTED : NORMALLY LN2:1 to LN3:1

LN 3 :- FITTED : NORMALLY LN2:2 to LN3:2

LN 4 :- FITTED : 1-2, for REPEATER OPERATION

LN 5 :- FITTED : 1-2, for REPEATER OPERATION

LN 6 :- FITTED : 1-2, for SERIAL COMM PROGRAMMING THROUGH PIN 7 OF PRIMARY (RIGHT HAND) 'D' RANGE
: 2-3, for SERIAL COMM PROGRAMMING THROUGH PIN 12 OF SECONDARY (LEFT HAND) 'D' RANGE

LN 7 :- FITTED : 1-2, for RX INHIBIT WHEN OPERATING SIMPLEX FREQUENCY

LN 8 :- FITTED : 1-2, for FAN DRIVE WHEN TX IS KEYED
: 2-3, for FAN DRIVE CONTINUOUSLY

LN 9 :- SOLDER: 1-2, SELECTS RX LINE 3 TO SK7 PIN 3
LINKED : 2-3, SELECTS 13.8V TO SK7 PIN 3

LN 10 :- SOLDER: 1-2, SELECTS RX LINE 2 TO SK7 PIN 2
LINKED : 2-3, SELECTS 13.8V TO SK7 PIN 2

LN 11 :- SOLDER: 1-2, SELECTS TX LINE 3 TO SK7 PIN 23
LINKED : 2-3, SELECTS 0V TO SK7 PIN 23

LN 12 :- SOLDER: 1-2, SELECTS TX LINE 2 TO SK7 PIN 24
LINKED : 2-3, SELECTS 0V TO SK7 PIN 24

NOTE:-IF LINKS 9, 10, 11and 12 ARE CHANGED TO THE 2-3 OPTION, THEN THE TRACK BETWEEN THE 1-2 OPTION MUST BE CUT

TAIT
Radio Communications
Christchurch
New Zealand

ISSUE	AMENDMENT	DRAWN	CHECKED	DATE
2	IPN added	AMM	LH	6/3/01
1	Original	AMM	ABB	19/10/99

FILE: \t800-50-0000(06) pins.vsd

TITLE: PIN FUNCTIONS OF BACKPLANE (220-01409-06) WITH PERSONALITY PCB OPTIONS

DRAWING: T800-50-0000 **Drawing IPN:** 300-01409-06