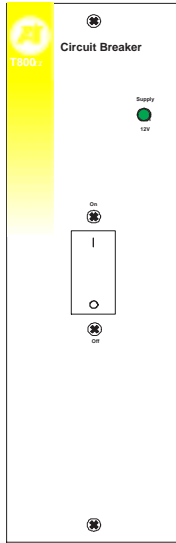
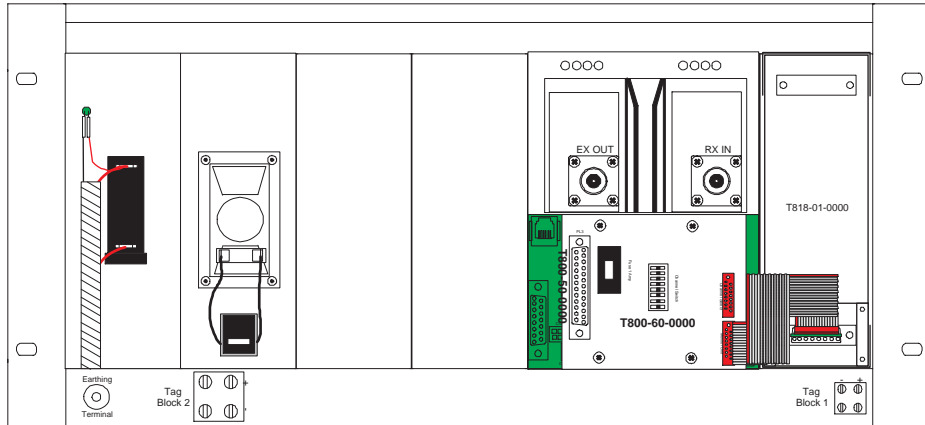
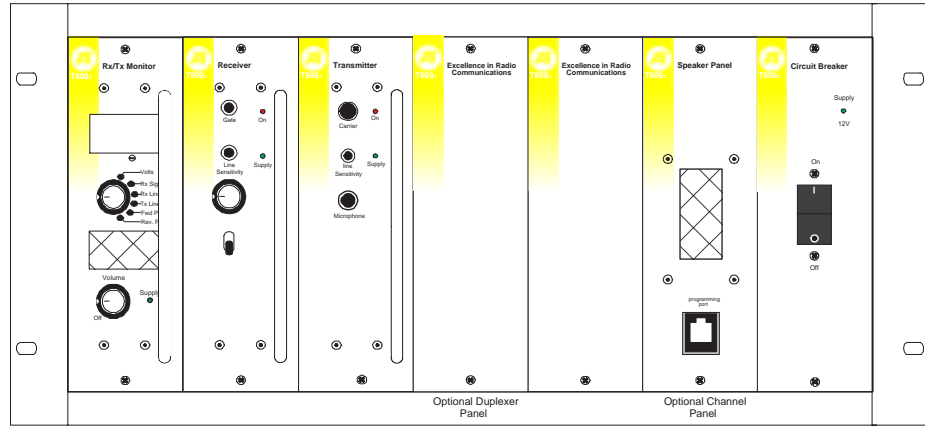


1 T800-60-0000 OEM Pinouts

1.1 Pinout for PL3

25way D-Range  
PL3 Pinouts Pinout Descriptions

- 1 Rx Line 1
- 2 Serial Comms for Rx/EX/Tx Modules
- 3 Rx Aux Out 0
- 4 Rx Line 4
- 5 Tx Line 1
- 6 Rx Aux Out 1
- 7 N/C
- 8 Tx Line 4
- 9 Signal Strength (Rx RSSI if fitted)
- 10 Speaker +
- 11 Tone Input (TX CTCSS)
- 12 Tx/Ex Aux Out 2
- 13 Ground -VE and Speaker -
- 14 Rx Gate
- 15 Tx Key
- 16 Rx Relay Common
- 17 Rx Relay Contact Normally Open
- 18 Rx Aux Out 2
- 19 N/C
- 20 N/C
- 21 Serial Comms for Rx/EX/Tx Modules
- 22 Tx/Ex Aux Out 0
- 23 Tx/Ex Aux Out 1
- 24 Rx Audio 1
- 25 +13.8VE (Fused by F1) (1 Amp Fast Blow)

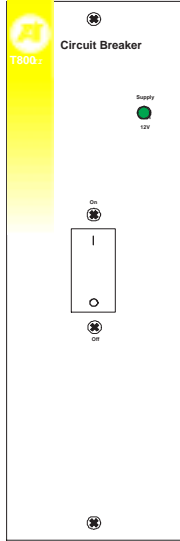
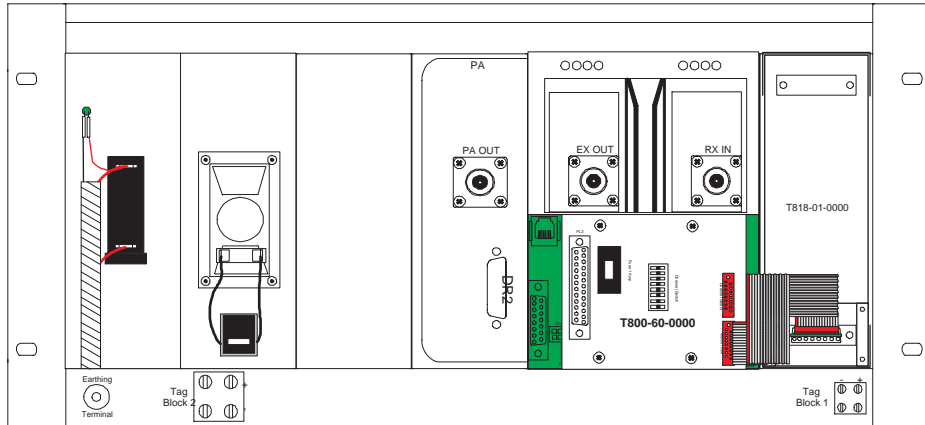
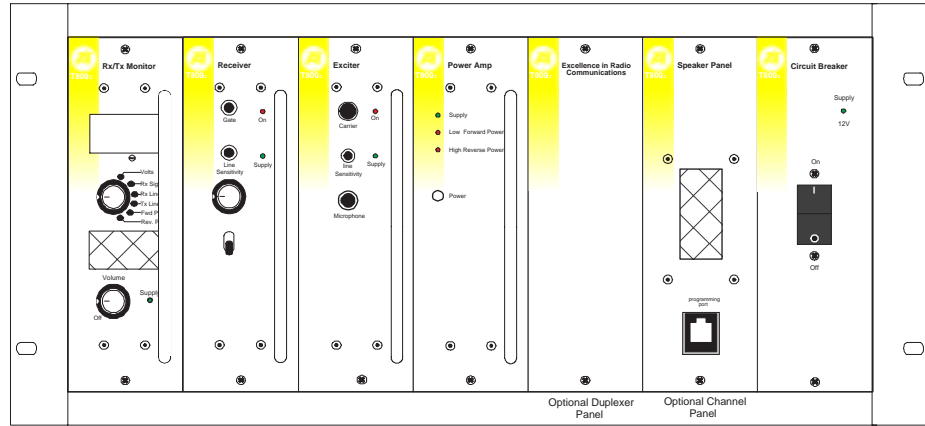


REV	DESCRIPTION	DATE	BY
A	Front & Rear Layout for 25watt Base Station/Repeater	13-05-98	C.M.Q
B	Changed to 25watt only	04-07-98	C.M.Q

TITLE  
**T800-22-0021**  
 25watt Base Station/Repeater  
 with 10 Amp Circuit Breaker Panel  
 plus Monitor Rx/Tx and Channel Panel Options

	FULL FILENAME C:\CODRWGS\22_0021.VSD	
	DRAWING NUMBER <b>T800-22-0021</b>	ISSUE A B

1	T800-60-0000 OEM Pinouts
1.1	Pinout for PL3
25way D-Range PL3 Pinouts Pinout Descriptions	
1	Rx Line 1
2	Serial Comms for Rx/EX/Tx Modules
3	Rx Aux Out 0
4	Rx Line 4
5	Tx Line 1
6	Rx Aux Out 1
7	N/C
8	Tx Line 4
9	Signal Strength (Rx RSSI if fitted)
10	Speaker +
11	Tone Input (TX CTCSS)
12	Tx/Ex Aux Out 2
13	Ground -VE and Speaker -
14	Rx Gate
15	Tx Key
16	Rx Relay Common
17	Rx Relay Contact Normally Open
18	Rx Aux Out 2
19	N/C
20	N/C
21	Serial Comms for Rx/EX/Tx Modules
22	Tx/Ex Aux Out 0
23	Tx/Ex Aux Out 1
24	Rx Audio 1
25	+13.8VE (Fused by F1) (1 Amp Fast Blow)



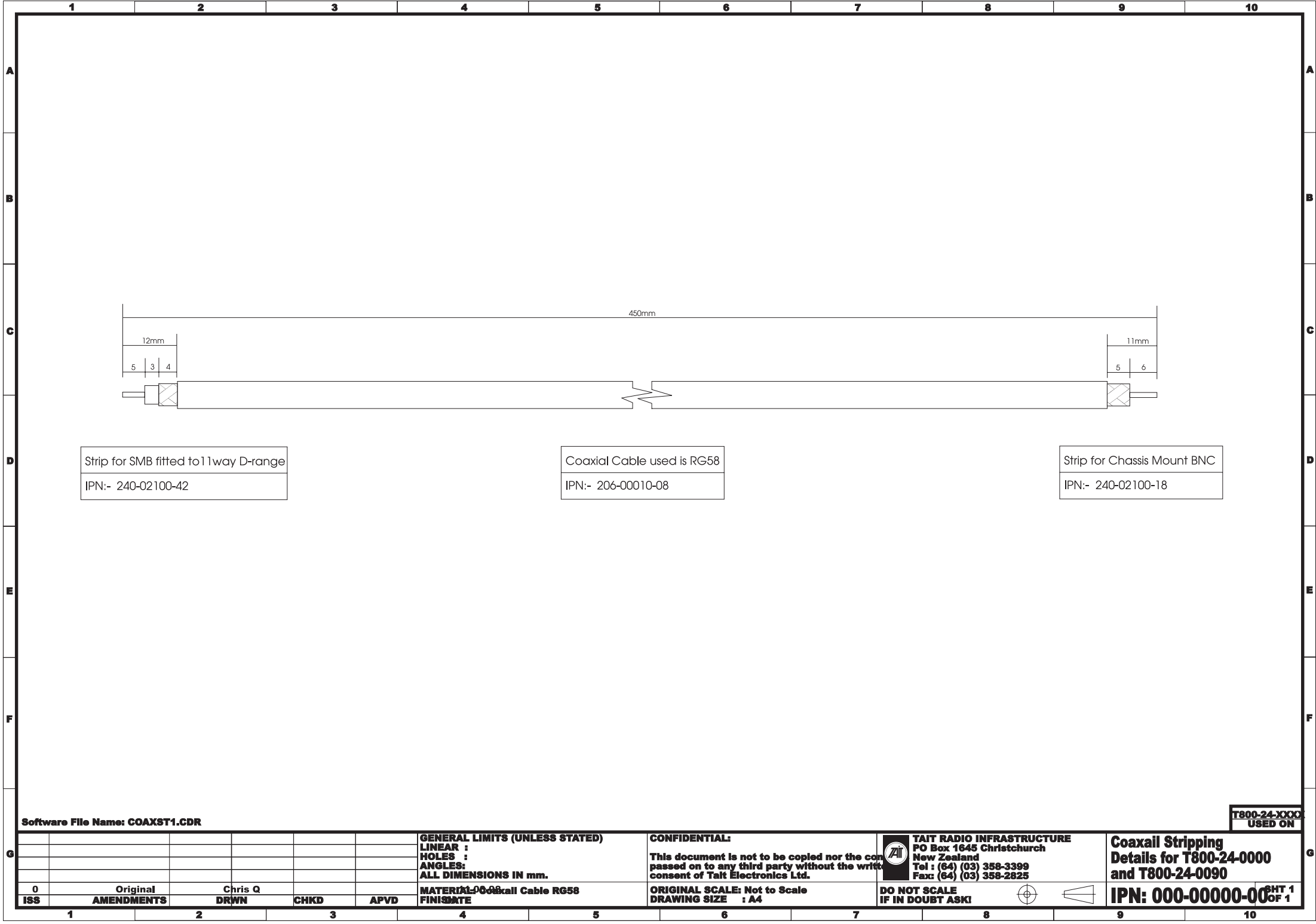
REV	DESCRIPTION	DATE	BY
A	Front & Rear Layout for 50watt Base Station/Repeater	13-05-98	C.M.Q

TITLE

**T800-22-0022**

50watt Base Station/Repeater  
with 20 Amp Circuit Breaker Panel  
plus Monitor Rx/Tx and Channel Panel Options

	FULL FILENAME C:\CDRWGS\22_0022.VSD	
	DRAWING NUMBER	ISSUE
T800-22-0022	A	



Strip for SMB fitted to 11 way D-range  
IPN:- 240-02100-42

Coaxial Cable used is RG58  
IPN:- 206-00010-08

Strip for Chassis Mount BNC  
IPN:- 240-02100-18

Software File Name: COAXST1.CDR

T800-24-XXXX  
USED ON

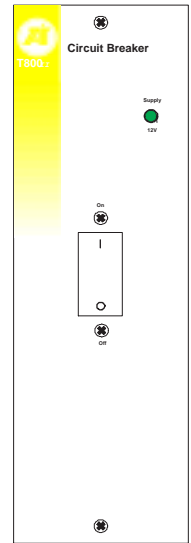
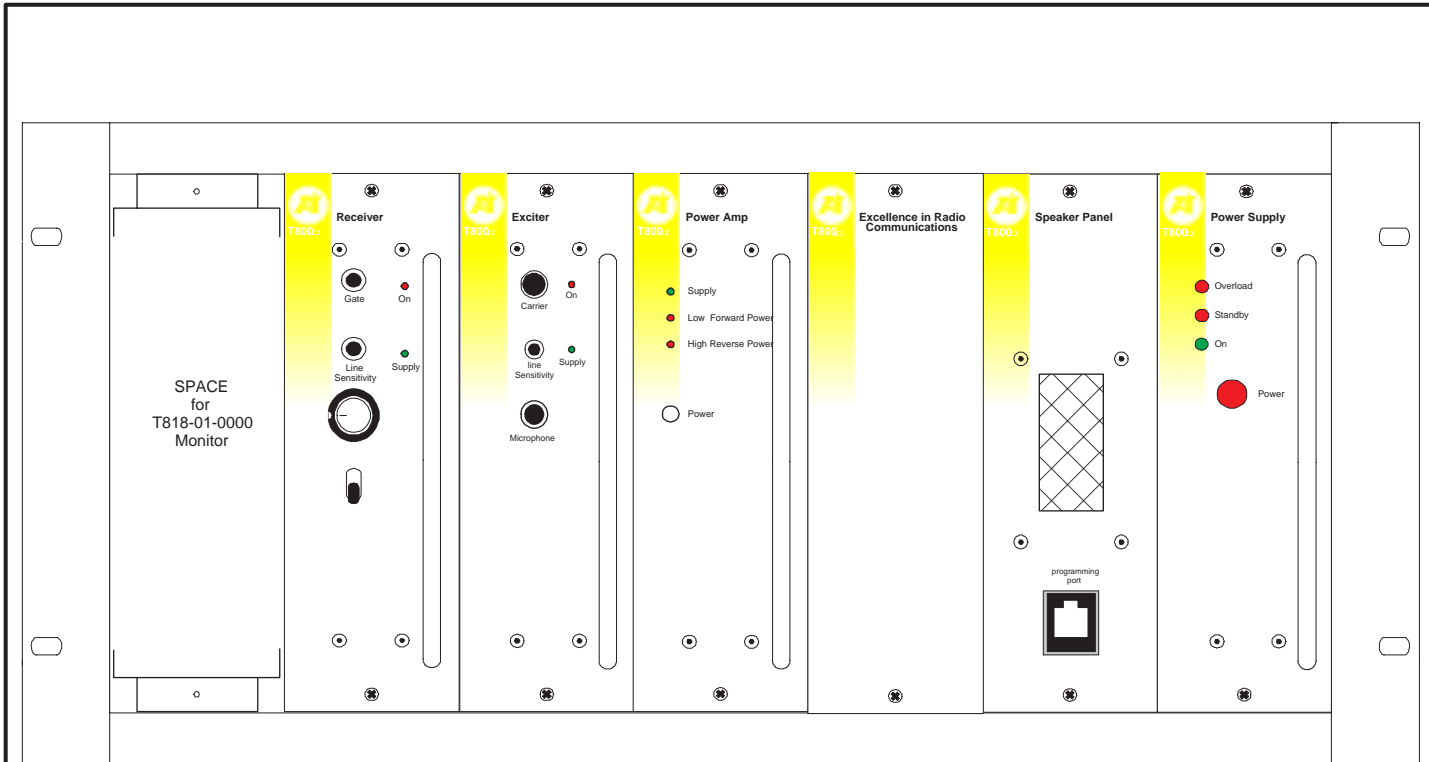
0	Original	Chris Q		
ISS	AMENDMENTS	DRWN	CHKD	APVD
1				
2				
3				

**GENERAL LIMITS (UNLESS STATED)**  
 LINEAR :  
 HOLES :  
 ANGLES :  
 ALL DIMENSIONS IN mm.  
 MATERIAL: Coaxial Cable RG58  
 FINISH:

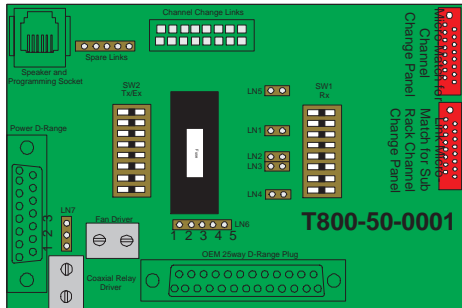
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 ORIGINAL SCALE: Not to Scale  
 DRAWING SIZE : A4

**TAIT RADIO INFRASTRUCTURE**  
 PO Box 1645 Christchurch  
 New Zealand  
 Tel : (64) (03) 358-3399  
 Fax: (64) (03) 358-2825  
 DO NOT SCALE  
 IF IN DOUBT ASK!

**Coaxial Stripping  
 Details for T800-24-0000  
 and T800-24-0090**  
 IPN: 000-00000-00  
 SHEET 1  
 OF 1



REV.A	ORIGINAL	DATE	BY	TITLE	FULL FILENAME C:\CODRWG\ST8_22_21.VSD	
REV.	DESCRIPTION	DATE	BY	25watt Monitor and Circuit Breaker Rackframe T800-22-001	DRAWING NUMBER	ISSUE
REV.	DESCRIPTION	DATE	BY		DRAWING NUMBER	A
REV.	DESCRIPTION	DATE	BY		DRAWING NUMBER	



PL1 25 WAY D-RANGE PIN No.	PIN No DESCRIPTIONS	PIN No DESTINATIONS	PIN No OPTIONS
1	RX LINE 1	SK1 : 1	
2	RX AUX	SK2 : 14	
3	RX F.F.S.K	SK2 : 15	WHEN T800-50 FITTED
4	RX LINE 4	SK1 : 4	
5	TX LINE 1	SK3 : 1	
6	PAGING DATA	SK4 : 13	WHEN T800-30 FITTED
7	PAGING GROUND	SK4 : 8	WHEN T800-30 FITTED
8	TX LINE 4	SK3 : 4	
9	SIGNAL STRENGTH	SK1 : 5	
10	SPEAKER +	SK1 : 8	
11	CTCSS INPUT	SK3 : 8	
12	REVERSE POWER ALARM PA & TX	SK4 : 10, SK5 : 4	
13	-VE	SK1 : 14&15, SK3 : 14&15, SK5 : 7&8&13&14&15	
14	RX GATE	SK1 : 11	
15	TX KEY	SK3 : 13	
16	RX RELAY COMMON	SK1 : 12	
17	RX RELAY CONTACT NORMALLY OPEN	SK1 : 13	
18	PAGING LOCK DETECT	SK4 : 12	WHEN T800-30 FITTED
19	PAGING SPEECH & DATA	SK4 : 14	WHEN T800-30 FITTED
20	OPTO KEY +	SK3 : 11	
21	OPTO KEY -	SK3 : 12	
22	FORWARD POWER METER PA	SK5 : 5	WHEN PA FITTED
23	REVERSE POWER METER PA	SK5 : 6	WHEN PA FITTED
24	FORWARD POWER ALARM PA & TX	SK4 : 9, SK5 : 3	
25	+VE	PL1 : FUSE, SK1 : 9&10, SK3 : 9&10, SK5 : 1&2, 5&6, 10&11, CN1 - 1, CN2 - 1	

LN 1 PIN No.	PIN No DESCRIPTION	PIN No DESTINATIONS
1	TX LINE 1	SK3 : 1, PL1 : 5
2	RX LINE 1	SK1 : 1, PL1 : 1

LN 2 PIN No.	PIN No DESCRIPTION	PIN No DESTINATIONS
1	TX LINE 2	SK3 : 2
2	RX LINE 2	SK1 : 2

LN 3 PIN No.	PIN No DESCRIPTION	PIN No DESTINATIONS
1	TX LINE 3	SK3 : 3
2	RX LINE 3	SK1 : 3

LN 4 PIN No.	PIN No DESCRIPTION	PIN No DESTINATIONS
1	TX LINE 4	SK3 : 4, PL1 : 18
2	RX LINE 4	SK1 : 4, PL1 : 4

LN 5 PIN No.	PIN No DESCRIPTION	PIN No DESTINATIONS
1	TX KEY	SK3 : 13, PL1 : 15
2	RX GATE	SK1 : 11, PL1 : 14

LN 6 PIN No.	PIN No DESCRIPTION	PIN No DESTINATIONS
1	TX KEY	SK3 : 5, SK5 : 12
2	-VE COAX RELAY	CN1 : 2, LN6 : 4
3	N/C	N/C
4	-VE COAX RELAY	CN1 : 2, LN6 : 2
5	RX INHIBIT	SK2 : 9

LN 7 PIN No.	PIN No DESCRIPTION	PIN No DESTINATIONS
1	TX KEY LINE	Q1
2	FAN CONTROL GROUND	CN2 : 2
3	GROUND	GROUND

SK 5 PIN No.	PIN No DESCRIPTION	PIN No DESTINATIONS
1	+VE	SUPPLIES ALL +VE FOR BACKPLANE PCB
2	+VE	BACKPLANE PCB
3	FWD PWR ALARM	PL1 : 24, SK4 : 9
4	REV PWR ALARM	PL1 : 12, SK4 : 10
5	FWD PWR METER	PL1 : 22
6	REV PWR METER	PL1 : 23
7	-VE	SUPPLIES ALL GROUNDS FOR BACKPLANE PCB
8	-VE	BACKPLANE PCB
9	+VE	SUPPLIES ALL +VE FOR BACKPLANE PCB
10	+VE	BACKPLANE PCB
11	+VE	BACKPLANE PCB
12	TX KEY	SK3 : 5, LN6 : 1, 02-K
13	-VE	SUPPLIES ALL GROUNDS FOR BACKPLANE PCB
14	-VE	BACKPLANE PCB
15	-VE	BACKPLANE PCB

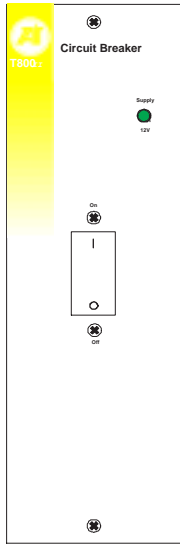
SK 6 & 7 PIN No.	PIN No DESCRIPTION	PIN No DESTINATIONS
1	ADDRESS 8	SK1 : 11, SW1 : 8, SW2 : 9&10
2	-VE	GROUND
3	ADDRESS 6	SK1 : 6, SW1 : 6, SW2 : 7&8
4	ADDRESS 5	SK1 : 5, SW1 : 5, SW2 : 5&6
5	ADDRESS 7	SK1 : 7, SW1 : 7, SW2 : 7&8
6	ADDRESS 4	SK1 : 4, SW1 : 4, SW2 : 4&5
7	+ SPEAKER	SK1 : 8, PL1 : 10, R1 : 4
8	ADDRESS 3	SK1 : 3, SW1 : 3, SW2 : 3&4
9	+ SPEAKER	SK1 : 8, PL1 : 10, R1 : 4
10	ADDRESS 2	SK1 : 2, SW1 : 2, SW2 : 2&3
11	-VE	GROUND
12	ADDRESS 1	SK1 : 1, SW1 : 1, SW2 : 1&2
13	-VE	GROUND
14	+VE	D5 : K, +13.8 VOLTS
15	+VE	D5 : K, +13.8 VOLTS
16	PROGRAMMING PORT	SK1 : 7, SK3 : 7, 03-K, 04-K

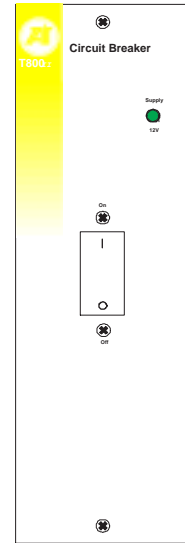
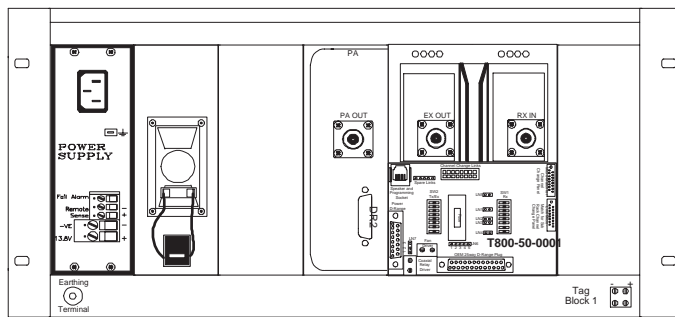
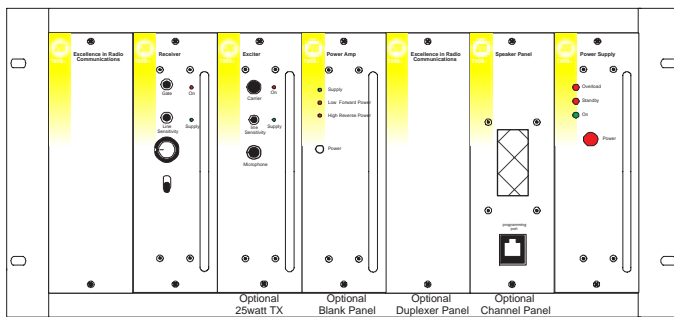
RJ 1 PIN No.	PIN No DESCRIPTION	PIN No DESTINATIONS
1	N/C	N/C
2	N/C	N/C
3	PROGRAMMING PORT	SK1 : 7, SK3 : 7, 03-K, 04-K
4	+ SPEAKER	SK1 : 8, SW1 : 8, SW2 : 8&9, PL1 : 10, SW2 : 7&8
5	-VE	GROUND
6	N/C	N/C

REV	DESCRIPTION	DATE	BY
B	Changed RJ1:Pin4 from SK7 : 10 to SK7 : 7&9 (TEXT ONLY)	08-12-97	C.M.Q
C	Changed PL1 : 12,22,23,24 & SK5 : 3,4,5,6 (TEXT ONLY)	11-05-98	C.M.Q
D	Added Tag Block 1 (+ & -13.8VDC)	14-05-98	C.M.Q

**T800-50-0001**  
 Base Station/Repeater  
 Backplane with Channel Panel Options

	FULL FILENAME C:\CODRWG\ST8_50_01_VSD	
	DRAWING NUMBER <b>T800-50-0001</b>	ISSUE A B C D





PL1 25 WAY D-RANGE PIN No.	PIN No DESCRIPTIONS	PIN No DESTINATIONS	PIN No OPTIONS
1	RX LINE 1	SK1 : 1	
2	RX AUX	SK2 : 14	
3	RX F.F.S.K	SK2 : 15	WHEN T800-50 FITTED
4	RX LINE 4	SK1 : 4	
5	TX LINE 1	SK3 : 1	
6	PAGING DATA	SK4 : 13	WHEN T800-30 FITTED
7	PAGING GROUND	SK4 : 8	WHEN T800-30 FITTED
8	TX LINE 4	SK3 : 4	
9	SIGNAL STRENGTH	SK1 : 5	
10	SPEAKER +	SK1 : 8	
11	CTCSS INPUT	SK3 : 8	
12	REVERSE POWER ALARM PA & TX	SK4 : 10, SK5 : 4	
13	-VE	SK1 : 14&15, SK3 : 14&15, SK5 : 7&8&13&14&15	
14	RX GATE	SK1 : 11	
15	TX KEY	SK3 : 13	
16	RX RELAY COMMON	SK1 : 12	
17	RX RELAY CONTACT NORMALLY OPEN	SK1 : 13	
18	PAGING LOCK DETECT	SK4 : 12	WHEN T800-30 FITTED
19	PAGING SPEECH & DATA	SK4 : 14	WHEN T800-30 FITTED
20	OPTO KEY +	SK3 : 11	
21	OPTO KEY -	SK3 : 12	
22	FORWARD POWER METER PA	SK5 : 5	WHEN PA FITTED
23	REVERSE POWER METER PA	SK5 : 6	WHEN PA FITTED
24	FORWARD POWER ALARM PA & TX	SK4 : 9, SK5 : 3	
25	+VE	PL1 : FUSE, SK1 : 9&10, SK3 : 9&10, SK5 : 1&2&3&8&10&11, CN1 - 1, CN2 - 1	

LN 1 PIN No	PIN No DESCRIPTION	PIN No DESTINATIONS
1	TX LINE 1	SK3 : 1, PL1 : 5
2	RX LINE 1	SK1 : 1, PL1 : 1

LN 2 PIN No	PIN No DESCRIPTION	PIN No DESTINATIONS
1	TX LINE 2	SK3 : 2
2	RX LINE 2	SK1 : 2

LN 3 PIN No	PIN No DESCRIPTION	PIN No DESTINATIONS
1	TX LINE 3	SK3 : 3
2	RX LINE 3	SK1 : 3

LN 4 PIN No	PIN No DESCRIPTION	PIN No DESTINATIONS
1	TX LINE 4	SK3 : 4, PL1 : 18
2	RX LINE 4	SK1 : 4, PL1 : 14

LN 5 PIN No	PIN No DESCRIPTION	PIN No DESTINATIONS
1	TX KEY	SK3 : 13, PL1 : 15
2	RX GATE	SK1 : 11, PL1 : 14

LN 6 PIN No	PIN No DESCRIPTION	PIN No DESTINATIONS
1	TX KEY	SK3 : 5, SK5 : 12
2	-VE COAX RELAY	CN1 : 2, LN6 : 4
3	N/C	N/C
4	-VE COAX RELAY	CN1 : 2, LN6 : 2
5	RX INHIBIT	SK2 : 9

LN 7 PIN No	PIN No DESCRIPTION	PIN No DESTINATIONS
1	TX KEY LINE	Q1
2	FAN CONTROL GROUND	CN2 : 2
3	GROUND	GROUND

SK 5 PIN No	PIN No DESCRIPTION	PIN No DESTINATIONS
1	+VE	SUPPLIES ALL +VE FOR BACKPLANE PCB
2	+VE	BACKPLANE PCB
3	FWD PWR ALARM	PL1 : 24, SK4 : 9
4	REV PWR ALARM	PL1 : 12, SK4 : 10
5	FWD PWR METER	PL1 : 22
6	REV PWR METER	PL1 : 23

SK 6 & 7 PIN No	PIN No DESCRIPTION	PIN No DESTINATIONS
1	ADDRESS 8	SK1 : 11, SW1 : 8, SK5 : 9&10
2	-VE	GROUND
3	ADDRESS 6	SK1 : 6, SW1 : 6, SK5 : 6&7
4	ADDRESS 5	SK1 : 5, SW1 : 5, SK5 : 5&6
5	ADDRESS 7	SK1 : 7, SW1 : 7, SK5 : 7&8
6	ADDRESS 4	SK1 : 4, SW1 : 4, SK5 : 4&5
7	+ SPEAKER	SK1 : 8, PL1 : 10, SK5 : 8
8	ADDRESS 3	SK1 : 3, SW1 : 3, SK5 : 3&4
9	+ SPEAKER	SK1 : 8, PL1 : 10, SK5 : 8
10	ADDRESS 2	SK1 : 2, SW1 : 2, SK5 : 2&3
11	-VE	GROUND
12	ADDRESS 1	SK1 : 1, SW1 : 1, SK5 : 1&2
13	-VE	GROUND
14	+VE	D5 : K, +13.8 VOLTS
15	+VE	D5 : S, +13.8 VOLTS
16	PROGRAMMING PORT	SK1 : 7, SK3 : 7, Q3 - X, Q4 - X

LN 5 PIN No	PIN No DESCRIPTION	PIN No DESTINATIONS
7	-VE	SUPPLIES ALL GROUNDS FOR BACKPLANE PCB
8	-VE	BACKPLANE PCB
9	+VE	SUPPLIES ALL +VE FOR BACKPLANE PCB
10	+VE	BACKPLANE PCB
11	+VE	BACKPLANE PCB
12	TX KEY	SK3 : 5, LN6 : 1, Q2 - X
13	-VE	SUPPLIES ALL GROUNDS FOR BACKPLANE PCB
14	-VE	BACKPLANE PCB
15	-VE	BACKPLANE PCB

RJ 1 PIN No	PIN No DESCRIPTION	PIN No DESTINATIONS
1	N/C	N/C
2	N/C	N/C
3	PROGRAMMING PORT	SK1 : 7, SK3 : 7, SK5 : 7&8, PL1 : 10, SK2 : 7&8
4	+ SPEAKER	SK1 : 8, SK5 : 7&8
5	-VE	GROUND
6	N/C	N/C

SK 6 & 7 PIN No	PIN No DESCRIPTION	PIN No DESTINATIONS
1	ADDRESS 8	SK1 : 11, SW1 : 8, SK5 : 9&10
2	-VE	GROUND
3	ADDRESS 6	SK1 : 6, SW1 : 6, SK5 : 6&7
4	ADDRESS 5	SK1 : 5, SW1 : 5, SK5 : 5&6
5	ADDRESS 7	SK1 : 7, SW1 : 7, SK5 : 7&8
6	ADDRESS 4	SK1 : 4, SW1 : 4, SK5 : 4&5
7	+ SPEAKER	SK1 : 8, PL1 : 10, SK5 : 8
8	ADDRESS 3	SK1 : 3, SW1 : 3, SK5 : 3&4
9	+ SPEAKER	SK1 : 8, PL1 : 10, SK5 : 8
10	ADDRESS 2	SK1 : 2, SW1 : 2, SK5 : 2&3
11	-VE	GROUND
12	ADDRESS 1	SK1 : 1, SW1 : 1, SK5 : 1&2
13	-VE	GROUND
14	+VE	D5 : K, +13.8 VOLTS
15	+VE	D5 : S, +13.8 VOLTS
16	PROGRAMMING PORT	SK1 : 7, SK3 : 7, Q3 - X, Q4 - X

SK 5 PIN No	PIN No DESCRIPTION	PIN No DESTINATIONS
1	+VE	SUPPLIES ALL +VE FOR BACKPLANE PCB
2	+VE	BACKPLANE PCB
3	FWD PWR ALARM	PL1 : 24, SK4 : 9
4	REV PWR ALARM	PL1 : 12, SK4 : 10
5	FWD PWR METER	PL1 : 22
6	REV PWR METER	PL1 : 23

SK 6 & 7 PIN No	PIN No DESCRIPTION	PIN No DESTINATIONS
1	ADDRESS 8	SK1 : 11, SW1 : 8, SK5 : 9&10
2	-VE	GROUND
3	ADDRESS 6	SK1 : 6, SW1 : 6, SK5 : 6&7
4	ADDRESS 5	SK1 : 5, SW1 : 5, SK5 : 5&6
5	ADDRESS 7	SK1 : 7, SW1 : 7, SK5 : 7&8
6	ADDRESS 4	SK1 : 4, SW1 : 4, SK5 : 4&5
7	+ SPEAKER	SK1 : 8, PL1 : 10, SK5 : 8
8	ADDRESS 3	SK1 : 3, SW1 : 3, SK5 : 3&4
9	+ SPEAKER	SK1 : 8, PL1 : 10, SK5 : 8
10	ADDRESS 2	SK1 : 2, SW1 : 2, SK5 : 2&3
11	-VE	GROUND
12	ADDRESS 1	SK1 : 1, SW1 : 1, SK5 : 1&2
13	-VE	GROUND
14	+VE	D5 : K, +13.8 VOLTS
15	+VE	D5 : S, +13.8 VOLTS
16	PROGRAMMING PORT	SK1 : 7, SK3 : 7, Q3 - X, Q4 - X

LN 5 PIN No	PIN No DESCRIPTION	PIN No DESTINATIONS
7	-VE	SUPPLIES ALL GROUNDS FOR BACKPLANE PCB
8	-VE	BACKPLANE PCB
9	+VE	SUPPLIES ALL +VE FOR BACKPLANE PCB
10	+VE	BACKPLANE PCB
11	+VE	BACKPLANE PCB
12	TX KEY	SK3 : 5, LN6 : 1, Q2 - X
13	-VE	SUPPLIES ALL GROUNDS FOR BACKPLANE PCB
14	-VE	BACKPLANE PCB
15	-VE	BACKPLANE PCB

RJ 1 PIN No	PIN No DESCRIPTION	PIN No DESTINATIONS
1	N/C	N/C
2	N/C	N/C
3	PROGRAMMING PORT	SK1 : 7, SK3 : 7, SK5 : 7&8, PL1 : 10, SK2 : 7&8
4	+ SPEAKER	SK1 : 8, SK5 : 7&8
5	-VE	GROUND
6	N/C	N/C

### T800-22-0010 Standard

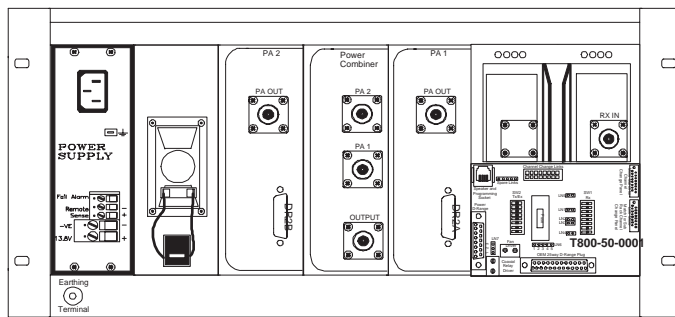
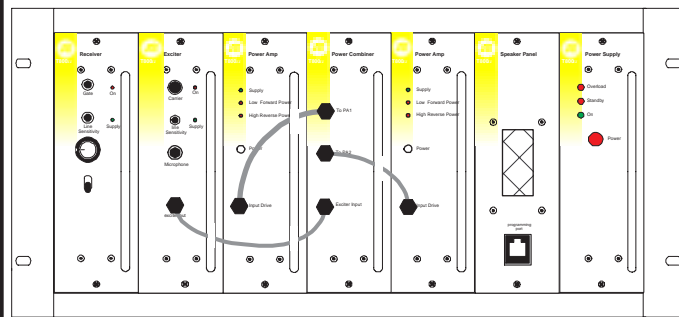
- x2 Blank Front Panels.
- x1 T800-15-0000 Speaker Programming Panel.
- x1 Earthing Terminal.
- x2 Channel Selection Dip Switches.
- x1 Coaxial Relay Driver.
- x1 Cooling Fan Driver.
- x1 OEM PCB Mounted Fuseholder (1 Amp Fuse Fitted).
- x2 Channel Change Panel Option Connections.

### T800-22-0010 Options

- 316-06615-00 Blank Front Panel.
- T800-01-0000 T800 Standard Programming Kit with PGM800WIN and Lead.
- T800-11-0000 Battery Back-up Rear Rail.
- T800-13-0000 Extender Rail Kit with x2 D-ranges Fitted
- T800-15-0001 Speaker Front Panel.
- T800-19-0000 Fan Kit - Rail Mounted (As Series).
- T800-19-0010 Fan Kit - Guide Mounted.
- T800-42-0001 Duplexer Guide and Panel.
- T991-06 Cabinet 6U, with Door and Lock.
- T004-72 Coaxial Relay.
- TA087-02 Channel Selection Panel, Programmable 1 to 100 channels.
- TA387-02 Channel Selection Panel, 1 to 10 Channels.

REV	DESCRIPTION	DATE	BY	TITLE
B	Changed RJ1:Pin4 from SK7 : 10 to SK7 : 7&9 (TEXT ONLY)	08-12-97	C.M.Q	T800-22-0010 25,50watt Base Station/Repeater with Paging and Channel Panel Options
C	Changed PL1 : 12,22,23,24 & SK5 : 3,4,5,6 (TEXT ONLY)	11-05-98	C.M.Q	
D	Added Tag Block 1 (+ & -13.8VDC)	14-05-98	C.M.Q	

FULL FILENAME C:\CQDRWGS\TMRPAGE1.VSD		ISSUE			
DRAWING NUMBER		A	B	C	D
T800-22-0010					



PL1 25 WAY D-RANGE PIN No.	PIN No DESCRIPTIONS	PIN No DESTINATIONS	PIN No OPTIONS
1	RX LINE 1	SK1 : 1	
2	RX AUX	SK2 : 14	
3	RX F.F.S.K	SK2 : 15	WHEN T800-50 FITTED
4	RX LINE 4	SK1 : 4	
5	TX LINE 1	SK3 : 1	
6	PAGING DATA	SK4 : 13	WHEN T800-30 FITTED
7	PAGING GROUND	SK4 : 8	WHEN T800-30 FITTED
8	TX LINE 4	SK3 : 4	
9	SIGNAL STRENGTH	SK1 : 5	
10	SPEAKER +	SK1 : 8	
11	CTCSS INPUT	SK3 : 8	
12	REVERSE POWER ALARM PA & TX	SK4 : 10, SK5 : 4	
13	-VE	SK1 : 14&15, SK3 : 14&15, SK5 : 7&8&13&14&15	
14	RX GATE	SK1 : 11	
15	TX KEY	SK3 : 13	
16	RX RELAY COMMON	SK1 : 12	
17	RX RELAY CONTACT NORMALLY OPEN	SK1 : 13	
18	PAGING LOCK DETECT	SK4 : 12	WHEN T800-30 FITTED
19	PAGING SPEECH & DATA	SK4 : 14	WHEN T800-30 FITTED
20	OPTO KEY +	SK3 : 11	
21	OPTO KEY -	SK3 : 12	
22	FORWARD POWER METER PA	SK5 : 5	WHEN PA FITTED
23	REVERSE POWER METER PA	SK5 : 6	WHEN PA FITTED
24	FORWARD POWER ALARM PA & TX	SK4 : 9, SK5 : 3	
25	+VE	PL1 FUSE, SK1 : 3&10, SK3 : 3&10, SK5 : 1&2, 3&8, 10&11, CN1 - 1, CN2 - 2	

LN 1 PIN No.	PIN No DESCRIPTION	PIN No DESTINATIONS
1	TX LINE 1	SK3 : 1, PL1 : 5
2	RX LINE 1	SK1 : 1, PL1 : 1

LN 2 PIN No.	PIN No DESCRIPTION	PIN No DESTINATIONS
1	TX LINE 2	SK3 : 2
2	RX LINE 2	SK1 : 2

LN 3 PIN No.	PIN No DESCRIPTION	PIN No DESTINATIONS
1	TX LINE 3	SK3 : 3
2	RX LINE 3	SK1 : 3

LN 4 PIN No.	PIN No DESCRIPTION	PIN No DESTINATIONS
1	TX LINE 4	SK3 : 4, PL1 : 18
2	RX LINE 4	SK1 : 4, PL1 : 4

LN 5 PIN No.	PIN No DESCRIPTION	PIN No DESTINATIONS
1	TX KEY	SK3 : 13, PL1 : 15
2	RX GATE	SK1 : 11, PL1 : 14

LN 6 PIN No.	PIN No DESCRIPTION	PIN No DESTINATIONS
1	TX KEY	SK3 : 5, SK5 : 12
2	-VE COAX RELAY	CN1 : 2, LN6 : 4
3	N/C	N/C
4	-VE COAX RELAY	CN1 : 2, LN6 : 2
5	RX INHIBIT	SK2 : 9

LN 7 PIN No.	PIN No DESCRIPTION	PIN No DESTINATIONS
1	TX KEY LINE	Q1
2	FAN CONTROL	CN2 : 2
3	GROUND	GROUND

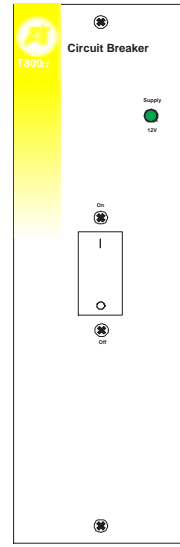
SK 5 PIN No.	PIN No DESCRIPTION	PIN No DESTINATIONS
1	+VE	SUPPLIES ALL +VE FOR BACKPLANE PCB
2	+VE	BACKPLANE PCB
3	FWD PWR ALARM	PL1 : 24, SK4 : 9
4	REV PWR ALARM	PL1 : 12, SK4 : 13
5	FWD PWR METER	PL1 : 22
6	REV PWR METER	PL1 : 23
7	-VE	SUPPLIES ALL GROUNDS FOR BACKPLANE PCB
8	-VE	BACKPLANE PCB
9	+VE	SUPPLIES ALL +VE FOR BACKPLANE PCB
10	+VE	BACKPLANE PCB
11	+VE	BACKPLANE PCB
12	TX KEY	SK3 : 5, LN6 : 1, 30 : 2
13	-VE	SUPPLIES ALL GROUNDS FOR BACKPLANE PCB
14	-VE	BACKPLANE PCB
15	-VE	BACKPLANE PCB

RJ 1 PIN No.	PIN No DESCRIPTION	PIN No DESTINATIONS
1	N/C	N/C
2	N/C	N/C
3	PROGRAMMING PORT	SK1 : 7, SK6 : 16, SK7 : 9, SK8 : 16
4	+SPEAKER	SK1 : 6, SK6 : 7&8, PL1 : 13, SK7 : 2&9
5	-VE	GROUND
6	N/C	N/C

SK 6 & 7 PIN No.	PIN No DESCRIPTION	PIN No DESTINATIONS
1	ADDRESS 8	SK1 : 11, SW1 : 8, SW2 : 9&10
2	-VE	GROUND
3	ADDRESS 6	SK1 : 6, SW1 : 6, SW2 : 6&8
4	ADDRESS 5	SK1 : 5, SW1 : 5, SW2 : 5&7
5	ADDRESS 7	SK1 : 7, SW1 : 7, SW2 : 7&9
6	ADDRESS 4	SK1 : 4, SW1 : 4, SW2 : 4&6
7	+SPEAKER	SK1 : 6, PL1 : 10, SW2 : 4
8	ADDRESS 3	SK1 : 3, SW1 : 3, SW2 : 3&5
9	+SPEAKER	SK1 : 6, PL1 : 10, SW2 : 4
10	ADDRESS 2	SK1 : 2, SW1 : 2, SW2 : 2&4
11	-VE	GROUND
12	ADDRESS 1	SK1 : 1, SW1 : 1, SW2 : 1&3
13	-VE	GROUND
14	+VE	D5 : K, +13.8 VOLTS
15	+VE	D5 : K, +13.8 VOLTS
16	PROGRAMMING PORT	SK1 : 7, SK6 : 16, SK7 : 9, SK8 : 16

**T800-22-0010 100w Version**

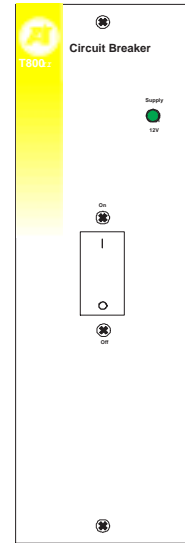
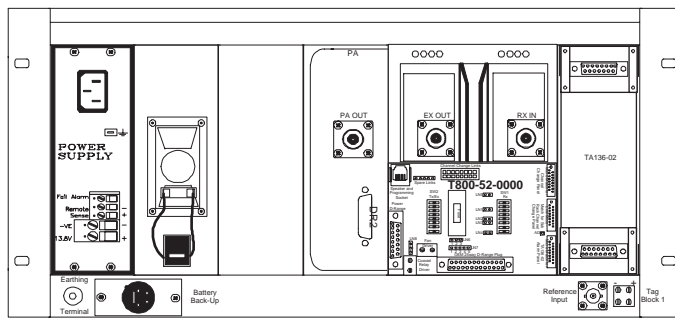
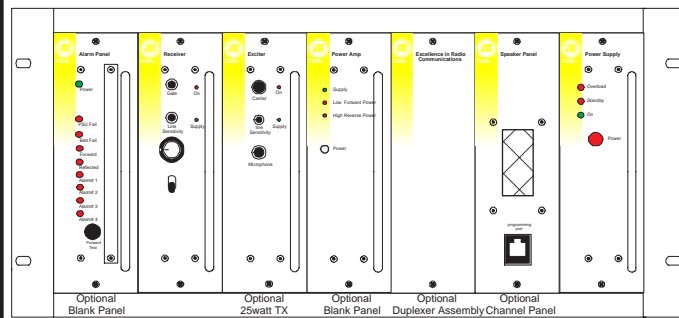
- x1 T800-15-0000 Speaker Programming Panel.
- x1 Earthing Terminal.
- x2 Channel Selection Dip Switches.
- x1 Coaxial Relay Driver.
- x1 Cooling Fan Driver.
- x1 OEM PCB Mounted Fuseholder (1 Amp Fuse Fitted).
- x2 Channel Change Panel Option Connections.



REV	DESCRIPTION	DATE	BY	TITLE
A	Original 100w Version	26-07-98	C.M.Q	

**T800-22-0010**  
 100watt Version  
 Base Station/Repeater

	FULL FILENAME C:\CQDRWGS\TMRPAGE2.VSD	
	DRAWING NUMBER <b>T800-22-0010 100w Version</b>	ISSUE <b>A</b>



PL1 25 WAY D-RANGE PIN No.	PIN No DESCRIPTIONS	PIN No DESTINATIONS	PIN No OPTIONS
1	RX LINE 1	SK1 : 1, LN1 : 2	
2	RX LINE 4	SK1 : 4, LN4 : 2	
3	TX KEY	SK3 : 13, SK8 : 1, LN5 : 1	
4	RELAY COMMON	SK1 : 12	
5	RX RELAY CONTACT NORMALLY OPEN	SK1 : 13	
6	RX CTCSS DISABLE	SK2 : 10, LN6 : 3	
7	PSU ALARM OUT	SK8 : 2	WHEN TA136-02 FITTED
8	BATT ALARM OUT	SK8 : 10	WHEN TA136-02 FITTED
9	ALARM #1 IN	SK8 : 5	WHEN TA136-02 FITTED
10	ALARM #2 IN	SK8 : 4	WHEN TA136-02 FITTED
11	RSI OUT	SK1 : 5	WHEN T800-04-0000 FITTED FOR UHF RANGE
12	CTCSS IN	SK3 : 8	
13	-VE	SK1 : 14&15, SK3 : 14&15, SK5 : 7&8&13&14&15	
14	RX GATE	SK1 : 11, LN5 : 2	
15	TX LINE 1	SK3 : 1, LN1 : 1	
16	TX LINE 4	SK3 : 4, LN4 : 1	
17	RX DISABLE	SK2 : 9, LN7 : 5	
18	TX CTCSS ENABLE	SK4 : 8, LN6 : 2	WHEN TA136-02 FITTED
19	FORWARD POWER ALARM OUT	SK8 : 15	WHEN TA136-02 FITTED
20	REVERSE POWER ALARM OUT	SK8 : 14	WHEN TA136-02 FITTED
21	URGENT ALARM OUT	SK8 : 9	WHEN TA136-02 FITTED
22	ALARM #1 OUT	SK8 : 13	WHEN TA136-02 FITTED
23	ALARM #2 OUT	SK8 : 12	WHEN TA136-02 FITTED
24	COAXIAL RELAY DRV	LN7 : 3	WHEN T004-72 FITTED
25	+VE	PL1 : FUSE, SK1 : 9&10, SK3 : 9&10, SK5 : 1&2&3&6, CN1 : 1, CN2 : 1	

LN 1 PIN No.	PIN No DESCRIPTION	PIN No DESTINATIONS
1	TX LINE 1	SK3 : 1, PL1 : 15
2	RX LINE 1	SK1 : 1, PL1 : 1

LN 2 PIN No.	PIN No DESCRIPTION	PIN No DESTINATION
1	TX LINE 2	SK3 : 2
2	RX LINE 2	SK1 : 2

LN 3 PIN No.	PIN No DESCRIPTION	PIN No DESTINATIONS
1	TX LINE 3	SK3 : 3
2	RX LINE 3	SK1 : 3

LN 4 PIN No.	PIN No DESCRIPTION	PIN No DESTINATIONS
1	TX LINE 4	SK3 : 4, PL1 : 16
2	RX LINE 4	SK1 : 2, PL1 : 4

LN 5 PIN No.	PIN No DESCRIPTION	PIN No DESTINATIONS
1	TX KEY	SK3 : 13, PL1 : 3, SK8 : 1
2	RX GATE	SK1 : 11, PL1 : 14

LN 6 PIN No.	PIN No DESCRIPTION	PIN No DESTINATIONS
1	-VE	GROUND
2	TX CTCSS ENABLE	SK4 : 8
3	RX CTCSS DISABLE	SK2 : 10, PL1 : 6

LN 7 PIN No.	PIN No DESCRIPTION	PIN No DESTINATIONS
1	TX KEY	SK3 : 5, SK5 : 12
2	-VE COAX RELAY	CN1 : 2, LN7 : 4
3	DEM COAXIAL RELAY INPUT	PL1 : 24
4	-VE COAX RELAY	CN1 : 2, LN7 : 2
5	RX INHIBIT	SK2 : 9, PL1 : 17

LN 8 PIN No.	PIN No DESCRIPTION	PIN No DESTINATIONS
1	TX KEY LINE	Q1
2	FAX CONTROL COMMON	CN2 : 2
3	GROUND	GROUND

SK 5 PIN No.	PIN No DESCRIPTION	PIN No DESTINATIONS
1	+VE	SUPPLIES ALL +VE FOR BACKPLANE PCB
2	+VE	BACKPLANE PCB
3	FWD PWR METER	SK4 : 9, SK8 : 8
4	REV PWR METER	SK4 : 10, SK8 : 7
5	N/C	N/C
6	N/C	N/C
7	-VE	SUPPLIES ALL GROUNDS FOR BACKPLANE PCB
8	-VE	BACKPLANE PCB
9	+VE	SUPPLIES ALL +VE FOR BACKPLANE PCB
10	+VE	BACKPLANE PCB
11	+VE	BACKPLANE PCB
12	TX KEY	SK3 : 5, LN7 : 1, SK2 : 9
13	-VE	SUPPLIES ALL GROUNDS FOR BACKPLANE PCB
14	-VE	BACKPLANE PCB
15	-VE	BACKPLANE PCB

SK 6 & 7 PIN No.	PIN No DESCRIPTION	PIN No DESTINATIONS
1	ADDRESS 8	SK1 : 11, SW1 : 8, SK6 : 7&8
2	-VE	GROUND
3	ADDRESS 6	SK1 : 6, SW1 : 6, SK6 : 6&8
4	ADDRESS 5	SK1 : 5, SW1 : 5, SK6 : 5&7
5	ADDRESS 7	SK1 : 7, SW1 : 7, SK6 : 7&8
6	ADDRESS 4	SK1 : 4, SW1 : 4, SK6 : 4&4
7	+ SPEAKER	SK1 : 8, PL1 : 10, SK6 : 7&8
8	ADDRESS 3	SK1 : 3, SW1 : 3, SK6 : 3&3
9	+ SPEAKER	SK1 : 8, PL1 : 10, SK6 : 7&8
10	ADDRESS 2	SK1 : 2, SW1 : 2, SK6 : 2&2
11	-VE	GROUND
12	ADDRESS 1	SK1 : 1, SW1 : 1, SK6 : 1&1
13	-VE	GROUND
14	+VE	D5 : K, +13.8 VOLTS
15	+VE	D5 : K, +13.8 VOLTS
16	PROGRAMMING PORT	SK1 : 7, SK3 : 7, Q3 : K, Q4 : K

SK 8 PIN No.	PIN No DESCRIPTION	PIN No DESTINATIONS
1	TX KEY	SK3 : 13, LN5 : 1, PL1 : 3
2	PSU ALARM OUT	PL1 : 7
3	N/C	N/C
4	ALARM #2 IN	PL1 : 10
5	ALARM #1 IN	PL1 : 9
6	N/C	N/C
7	REV PWR METER	SK5 : 6, SK4 : 10
8	FWD PWR METER	SK5 : 5, SK4 : 9
9	URGENT ALARM OUT	PL1 : 21
10	BATT ALARM OUT	PL1 : 8
11	N/C	N/C
12	ALARM #2 OUT	PL1 : 23
13	ALARM #1 OUT	PL1 : 22
14	REV ALARM OUT	PL1 : 20
15	FWD ALARM OUT	PL1 : 19
16	N/C	N/C

LN 9 PIN No.	PIN No DESCRIPTION	PIN No DESTINATIONS
1	N/C	N/C
2	N/C	N/C
3	PROGRAMMING PORT	SK1 : 7, SK3 : 16, SK2 : 7&8
4	+ SPEAKER	SK1 : 8, SK6 : 7&8, SK2 : 7&8
5	-VE	GROUND
6	N/C	N/C

RJ 1 PIN No.	PIN No DESCRIPTION	PIN No DESTINATIONS
1	N/C	N/C
2	N/C	N/C
3	PROGRAMMING PORT	SK1 : 7, SK3 : 16, SK2 : 7&8
4	+ SPEAKER	SK1 : 8, SK6 : 7&8, SK2 : 7&8
5	-VE	GROUND
6	N/C	N/C

AI 3 PIN No.	PIN No DESCRIPTION	PIN No DESTINATIONS
1	ALARM #3 IN	SK8 : 3

SK 8 PIN No.	PIN No DESCRIPTION	PIN No DESTINATIONS
1	TX KEY	SK3 : 13, LN5 : 1, PL1 : 3
2	PSU ALARM OUT	PL1 : 7
3	N/C	N/C
4	ALARM #2 IN	PL1 : 10
5	ALARM #1 IN	PL1 : 9
6	N/C	N/C
7	REV PWR METER	SK5 : 6, SK4 : 10
8	FWD PWR METER	SK5 : 5, SK4 : 9
9	URGENT ALARM OUT	PL1 : 21
10	BATT ALARM OUT	PL1 : 8
11	N/C	N/C
12	ALARM #2 OUT	PL1 : 23
13	ALARM #1 OUT	PL1 : 22
14	REV ALARM OUT	PL1 : 20
15	FWD ALARM OUT	PL1 : 19
16	N/C	N/C

SK 8 PIN No.	PIN No DESCRIPTION	PIN No DESTINATIONS
1	TX KEY	SK3 : 13, LN5 : 1, PL1 : 3
2	PSU ALARM OUT	PL1 : 7
3	N/C	N/C
4	ALARM #2 IN	PL1 : 10
5	ALARM #1 IN	PL1 : 9
6	N/C	N/C
7	REV PWR METER	SK5 : 6, SK4 : 10
8	FWD PWR METER	SK5 : 5, SK4 : 9
9	URGENT ALARM OUT	PL1 : 21
10	BATT ALARM OUT	PL1 : 8
11	N/C	N/C
12	ALARM #2 OUT	PL1 : 23
13	ALARM #1 OUT	PL1 : 22
14	REV ALARM OUT	PL1 : 20
15	FWD ALARM OUT	PL1 : 19
16	N/C	N/C

SK 8 PIN No.	PIN No DESCRIPTION	PIN No DESTINATIONS
1	TX KEY	SK3 : 13, LN5 : 1, PL1 : 3
2	PSU ALARM OUT	PL1 : 7
3	N/C	N/C
4	ALARM #2 IN	PL1 : 10
5	ALARM #1 IN	PL1 : 9
6	N/C	N/C
7	REV PWR METER	SK5 : 6, SK4 : 10
8	FWD PWR METER	SK5 : 5, SK4 : 9
9	URGENT ALARM OUT	PL1 : 21
10	BATT ALARM OUT	PL1 : 8
11	N/C	N/C
12	ALARM #2 OUT	PL1 : 23
13	ALARM #1 OUT	PL1 : 22
14	REV ALARM OUT	PL1 : 20
15	FWD ALARM OUT	PL1 : 19
16	N/C	N/C

SK 8 PIN No.	PIN No DESCRIPTION	PIN No DESTINATIONS
1	TX KEY	SK3 : 13, LN5 : 1, PL1 : 3
2	PSU ALARM OUT	PL1 : 7
3	N/C	N/C
4	ALARM #2 IN	PL1 : 10
5	ALARM #1 IN	PL1 : 9
6	N/C	N/C
7	REV PWR METER	SK5 : 6, SK4 : 10
8	FWD PWR METER	SK5 : 5, SK4 : 9
9	URGENT ALARM OUT	PL1 : 21
10	BATT ALARM OUT	PL1 : 8
11	N/C	N/C
12	ALARM #2 OUT	PL1 : 23
13	ALARM #1 OUT	PL1 : 22
14	REV ALARM OUT	PL1 : 20
15	FWD ALARM OUT	PL1 : 19
16	N/C	N/C

SK 8 PIN No.	PIN No DESCRIPTION	PIN No DESTINATIONS
1	TX KEY	SK3 : 13, LN5 : 1, PL1 : 3
2	PSU ALARM OUT	PL1 : 7
3	N/C	N/C
4	ALARM #2 IN	PL1 : 10
5	ALARM #1 IN	PL1 : 9
6	N/C	N/C
7	REV PWR METER	SK5 : 6, SK4 : 10
8	FWD PWR METER	SK5 : 5, SK4 : 9
9	URGENT ALARM OUT	PL1 : 21
10	BATT ALARM OUT	PL1 : 8
11	N/C	N/C
12	ALARM #2 OUT	PL1 : 23
13	ALARM #1 OUT	PL1 : 22
14	REV ALARM OUT	PL1 : 20
15	FWD ALARM OUT	PL1 : 19
16	N/C	N/C

SK 8 PIN No.	PIN No DESCRIPTION	PIN No DESTINATIONS
1	TX KEY	SK3 : 13, LN5 : 1, PL1 : 3
2	PSU ALARM OUT	PL1 : 7
3	N/C	N/C
4	ALARM #2 IN	PL1 : 10
5	ALARM #1 IN	PL1 : 9
6	N/C	N/C
7	REV PWR METER	SK5 : 6, SK4 : 10
8	FWD PWR METER	SK5 : 5, SK4 : 9
9	URGENT ALARM OUT	PL1 : 21
10	BATT ALARM OUT	PL1 : 8
11	N/C	N/C
12	ALARM #2 OUT	PL1 : 23
13	ALARM #1 OUT	PL1 : 22
14	REV ALARM OUT	PL1 : 20
15	FWD ALARM OUT	PL1 : 19
16	N/C	N/C

SK 8 PIN No.	PIN No DESCRIPTION	PIN No DESTINATIONS
1	TX KEY	SK3 : 13, LN5 : 1, PL1 : 3
2	PSU ALARM OUT	PL1 : 7
3	N/C	N/C
4	ALARM #2 IN	PL1 : 10
5	ALARM #1 IN	PL1 : 9
6	N/C	N/C
7	REV PWR METER	SK5 : 6, SK4 : 10
8	FWD PWR METER	SK5 : 5, SK4 : 9
9	URGENT ALARM OUT	PL1 : 21
10	BATT ALARM OUT	PL1 : 8
11	N/C	N/C
12	ALARM #2 OUT	PL1 : 23
13	ALARM #1 OUT	PL1 : 22
14	REV ALARM OUT	PL1 : 20
15	FWD ALARM OUT	PL1 : 19
16	N/C	N/C

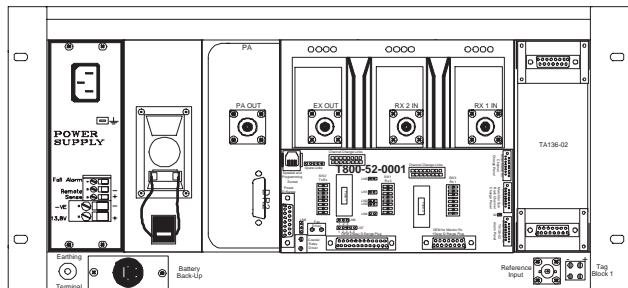
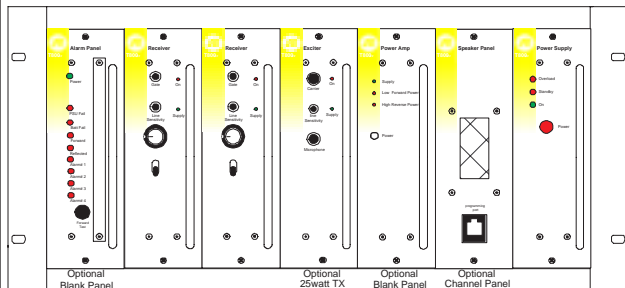
SK 8 PIN No.	PIN No DESCRIPTION	PIN No DESTINATIONS
1	TX KEY	SK3 : 13, LN5 : 1, PL1 : 3
2	PSU ALARM OUT	PL1 : 7
3	N/C	N/C
4	ALARM #2 IN	PL1 : 10
5	ALARM #1 IN	PL1 : 9
6	N/C	N/C
7	REV PWR METER	SK5 : 6, SK4 : 10
8	FWD PWR METER	SK5 : 5, SK4 : 9
9	URGENT ALARM OUT	PL1 : 21
10	BATT ALARM OUT	PL1 : 8
11	N/C	N/C
12	ALARM #2 OUT	PL1 : 23
13	ALARM #1 OUT	PL1 : 22
14	REV ALARM OUT	PL1 : 20
15	FWD ALARM OUT	PL1 : 19
16	N/C	N/C

REV	DESCRIPTION	DATE	BY
B	Added LN8 Fan Control Links	11-12-97	C.M.Q
C	Changed SK5 : 3,4,5,6 (Text Only)	11-05-98	C.M.Q
D	RX Disable & TX Enable Changes	30-09-98	C.M.Q

**T800-24-0000**  
 25,50watt Base Station/Repeater with Tx External Reference  
 Alarm Unit and Channel Change Panel Options

	FULL FILENAME C:\CODRWGS\TMRQS1.VSD	
	DRAWING NUMBER <b>T800-24-0000</b>	ISSUE <b>A B C D</b>





PL1 25 WAY D-RANGE PIN No.	PIN No DESCRIPTIONS	PIN No DESCRIPTIONS	PIN No OPTIONS
1	RX LINE 1	SK1 : 1, LN1 : 2	
2	RX LINE 4	SK1 : 4, LN4 : 2	
3	TX KEY	SK3 : 13, SK8 : 1, LN5 : 1	
4	RELAY COMMON	SK1 : 12	
5	RX RELAY CONTACT NORMALLY OPEN	SK1 : 13	
6	CTCSS DISABLE	SK2 : 10, LN6 : 3	
7	PSU ALARM OUT	SK8 : 2	WHEN TA136-02 FITTED
8	BATT ALARM OUT	SK8 : 10	WHEN TA136-02 FITTED
9	ALARM #1 IN	SK8 : 5	WHEN TA136-02 FITTED
10	ALARM #2 IN	SK8 : 4	WHEN TA136-02 FITTED
11	RSSI OUT	SK1 : 5	WHEN T800-04-0000 FITTED for UHF Range
12	CTCSS IN	SK3 : 8	
13	-VE	SK1 : 14&15, SK3 : 14&15, SK5 : 7&8&13&14&15	
14	RX GATE	SK1 : 11, LN5 : 2	
15	TX LINE 1	SK3 : 1, LN1 : 1	
16	TX LINE 4	SK3 : 4, LN4 : 1	
17	RX DISABLE	SK2 : 9, LN7 : 5	
18	ALARM #3 OUT	SK8 : 11	WHEN TA136-02 FITTED
19	FORWARD POWER ALARM OUT	SK8 : 15	WHEN TA136-02 FITTED
20	REVERSE POWER ALARM OUT	SK8 : 14	WHEN TA136-02 FITTED
21	URGENT ALARM OUT	SK8 : 9	WHEN TA136-02 FITTED
22	ALARM #1 OUT	SK8 : 13	WHEN TA136-02 FITTED
23	ALARM #2 OUT	SK8 : 12	WHEN TA136-02 FITTED
24	COAXIAL RELAY DRV	SK9 : 9, LN7 : 3	WHEN T004-72 FITTED
25	+VE	PL1 : FUSE, SK1 : 9&10, SK3 : 9&10, SK5 : 1&2&9&10&11, CN2 : 1, CN2 : 2	

LN 1 PIN No.	PIN No DESCRIPTIONS	PIN No DESCRIPTIONS
1	TX LINE 1	SK3 : 1, PL1 : 15
2	RX LINE 1	SK1 : 1, PL1 : 1

LN 2 PIN No.	PIN No DESCRIPTIONS	PIN No DESCRIPTIONS
1	TX LINE 2	SK3 : 2
2	RX LINE 2	SK1 : 2

LN 3 PIN No.	PIN No DESCRIPTIONS	PIN No DESCRIPTIONS
1	TX LINE 3	SK3 : 3
2	RX LINE 3	SK1 : 3

LN 4 PIN No.	PIN No DESCRIPTIONS	PIN No DESCRIPTIONS
1	TX LINE 4	SK3 : 4, PL1 : 16
2	RX LINE 4	SK1 : 2, PL1 : 4

LN 5 PIN No.	PIN No DESCRIPTIONS	PIN No DESCRIPTIONS
1	TX KEY	SK3 : 13, PL1 : 3, SK8 : 1
2	RX GATE	SK1 : 11, PL1 : 14

LN 6 PIN No.	PIN No DESCRIPTIONS	PIN No DESCRIPTIONS
1	-VE	GROUND
2	TX CTCSS INHIBIT	SK4 : 8
3	RX CTCSS INHIBIT	SK2 : 10, PL1 : 6

AI 3 PIN No.	PIN No DESCRIPTIONS	PIN No DESCRIPTIONS
1	ALARM #3 IN	SK8 : 3

LN 7 PIN No.	PIN No DESCRIPTIONS	PIN No DESCRIPTIONS
1	TX KEY	SK3 : 5, SK5 : 12
2	-VE COAX RELAY	CN1 : 2, LN7 : 4
3	RELAY INHIBIT	PL1 : 24
4	-VE COAX RELAY	CN1 : 2, LN7 : 2
5	RX INHIBIT	SK2 : 9, PL1 : 17

LN 8 PIN No.	PIN No DESCRIPTIONS	PIN No DESCRIPTIONS
1	TX KEY LINE	O1
2	FAN CONTROL COMMON	CN2 : 2
3	GROUND	GROUND

SK 5 PIN No.	PIN No DESCRIPTIONS	PIN No DESCRIPTIONS
1	+VE	SUPPLIES ALL +VE FOR BACKPLANE PCB
2	+VE	SUPPLIES ALL +VE FOR BACKPLANE PCB
3	N/C	N/C
4	N/C	N/C
5	FWD PWR METER	SK4 : 9, SK8 : 8
6	REV PWR METER	SK4 : 10, SK8 : 7
7	-VE	SUPPLIES ALL GROUNDS FOR BACKPLANE PCB
8	-VE	SUPPLIES ALL GROUNDS FOR BACKPLANE PCB
9	+VE	SUPPLIES ALL +VE FOR BACKPLANE PCB
10	+VE	SUPPLIES ALL +VE FOR BACKPLANE PCB
11	+VE	SUPPLIES ALL +VE FOR BACKPLANE PCB
12	TX KEY	SK3 : 5, LN7 : 1, SK8 : 1
13	-VE	SUPPLIES ALL GROUNDS FOR BACKPLANE PCB
14	-VE	SUPPLIES ALL GROUNDS FOR BACKPLANE PCB
15	-VE	SUPPLIES ALL GROUNDS FOR BACKPLANE PCB

SK 6 & 7 PIN No.	PIN No DESCRIPTIONS	PIN No DESCRIPTIONS
1	ADDRESS 8	SK1 : 11, SW1 : 8, LN6 : 8
2	-VE	GROUND
3	ADDRESS 6	SK1 : 6, SW1 : 6, LN6 : 6
4	ADDRESS 5	SK1 : 5, SW1 : 5, LN6 : 5
5	ADDRESS 7	SK1 : 7, SW1 : 7, LN6 : 7
6	ADDRESS 4	SK1 : 4, SW1 : 4, LN6 : 4
7	+ SPEAKER	SK1 : 8, PL1 : 10, SK1 : 9, PL1 : 3, LN6 : 2, 3
8	ADDRESS 3	SK1 : 3, SW1 : 3, LN6 : 3
9	+ SPEAKER	SK1 : 8, PL1 : 10, SK1 : 9, PL1 : 3, LN6 : 2, 3
10	ADDRESS 2	SK1 : 2, SW1 : 2, LN6 : 2
11	-VE	GROUND
12	ADDRESS 1	SK1 : 1, SW1 : 1, LN6 : 1
13	-VE	GROUND
14	+VE	D5 : K, +13.8 VOLTS
15	+VE	D5 : K, +13.8 VOLTS
16	PROGRAMMING	SK1 : 7, SK3 : 7, LN6 : 7

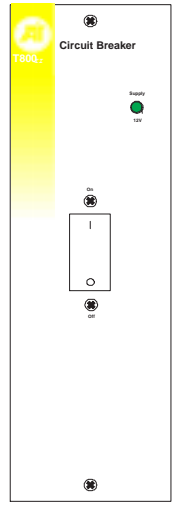
PL1 25 WAY D-RANGE PIN No.	PIN No DESCRIPTIONS	PIN No DESCRIPTIONS	PIN No OPTIONS
1	RX LINE 1	SK10 : 1	
2	RX LINE 4	SK10 : 4	
3	N/C	N/C	
4	RELAY COMMON	SK10 : 13	
5	N/C	N/C	
6	N/C	N/C	
7	N/C	N/C	
8	N/C	N/C	
9	+ SPEAKER	SK10 : 8	
10	+VE	SK10 : 5	
11	N/C	N/C	
12	N/C	N/C	
13	N/C	N/C	
14	RX GATE	SK7 : 11	
15	+VE	D7 : K	

SK 8 PIN No.	PIN No DESCRIPTIONS	PIN No DESCRIPTIONS
1	TX KEY	SK3 : 13, LN6 : 1, PL1 : 3
2	PSU ALARM OUT	PL1 : 7
3	ALARM #3 IN	PIN : AI3
4	ALARM #2 IN	PL1 : 10
5	ALARM #1 IN	PL1 : 9
6	N/C	N/C
7	REV PWR METER	SK5 : 4, SK4 : 10
8	FWD PWR METER	SK5 : 3, SK4 : 9
9	URGENT ALARM OUT	PL1 : 21
10	BATT ALARM OUT	PL1 : 8
11	ALARM #3 OUT	PL1 : 18
12	ALARM #2 OUT	PL1 : 23
13	ALARM #1 OUT	PL1 : 22
14	REV ALARM OUT	PL1 : 20
15	FWD ALARM OUT	PL1 : 19
16	N/C	N/C

PL1 25 WAY D-RANGE PIN No.	PIN No DESCRIPTIONS	PIN No DESCRIPTIONS	PIN No OPTIONS
1	RX LINE 1	SK10 : 1	
2	RX LINE 4	SK10 : 4	
3	N/C	N/C	
4	RELAY COMMON	SK10 : 13	
5	N/C	N/C	
6	N/C	N/C	
7	N/C	N/C	
8	N/C	N/C	
9	+ SPEAKER	SK10 : 8	
10	+VE	SK10 : 5	
11	N/C	N/C	
12	N/C	N/C	
13	N/C	N/C	
14	RX GATE	SK7 : 11	
15	+VE	D7 : K	

SK 8 PIN No.	PIN No DESCRIPTIONS	PIN No DESCRIPTIONS
1	N/C	N/C
2	N/C	N/C
3	PROGRAMMING	SK1 : 7, SK3 : 7, SK7 : 11, SK7 : 15
4	+ SPEAKER	SK1 : 8, SK3 : 7, SK7 : 15
5	-VE	GROUND
6	N/C	N/C

RJ 1 PIN No.	PIN No DESCRIPTIONS	PIN No DESCRIPTIONS
1	N/C	N/C
2	N/C	N/C
3	PROGRAMMING	SK1 : 7, SK3 : 7, SK7 : 15
4	+ SPEAKER	SK1 : 8, SK3 : 7, SK7 : 15
5	-VE	GROUND
6	N/C	N/C



**T800-24-0000 Options**  
316-06815-00 Blank Front Panel.

- T800-01-0000 T800 Standard Programming Kit with PGM800WIN and Lead.
- T800-04-0000 RSSI Plug-in PCB Assembly.
- T800-13-0000 Extender Rail Kit with x2 D-ranges Fitted.
- T800-15-0001 Speaker Front Panel.
- T800-19-0000 Fan Kit - Rail Mounted (As Series).
- T800-19-0010 Fan Kit - Guide Mounted.
- T800-42-0001 Duplexer Guide and Panel.

- T991-06 Cabinet 6U, with Door and Lock.
- T004-72 Coaxial Relay.
- TA136-02 Base Station Alarm Panel
- TA087-02 Channel Selection Panel, Programmable 1 to 100 channels.
- TA387-02 Channel Selection Panel, 1 to 10 Channel

REV	DESCRIPTION	DATE	BY	TITLE
A	Front & Rear Layout for 25.5watt Base Station/Repeater	9-12-97	C.M.Q.	25.5watt Base Station/Repeater with Monitor Rx, Tx External Reference Alarm Unit and Channel Change Panel Options
B	Added LN8 Fan Control Links	11-12-97	C.M.Q.	

**T800-24-0090**

25.5watt Base Station/Repeater with Monitor Rx, Tx External Reference Alarm Unit and Channel Change Panel Options

FILE NAME C:\ODR\GWS\TMSR2_VSD	ISSUE A B
DRAWING NUMBER T800-24-0090	