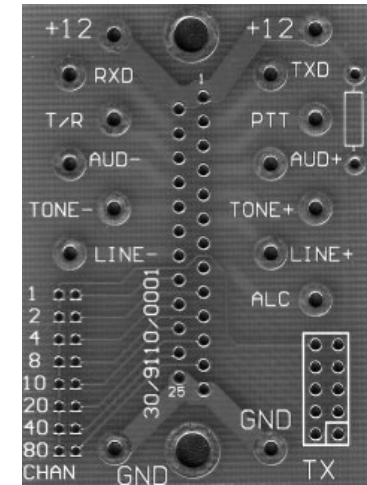


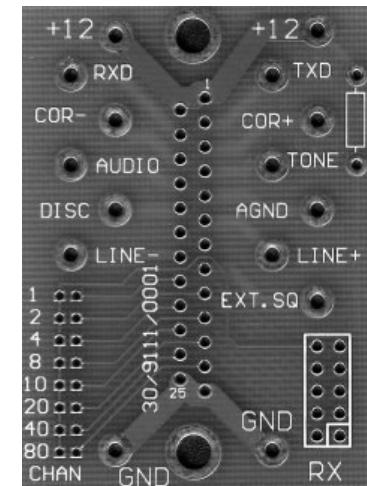
The Receiver and Transmitter modules plug into the back plane DB25/F connectors

Miniature spade connectors (2.1 x 0.6 x 7mm) are captive/ soldered at the labelled points. To configure: Solder wire connections between appropriate points.

Receiver DB25/F	RX PCB	DESCRIPTION		TX PCB	Transmitter DB25/F
1, 14	+12V	+12V DC SUPPLY		+12V	1, 14
2	TXD	TX Data		TXD	2
15	RXD	RX Data		RXD	15
3	COR+	Carrier Operate Sw+	PressToTalk input	PTT	3
16	COR-	Carrier Operate Sw-	Tx/Rx output	T/R	16
4	TONE	Subtone output	Hi Z audio input+	AUD+	4
17	AUDIO	Audio output	Hi Z audio input-	AUD-	17
5	AGND	Audio Ground	Ext tone input+	TONE+	5
18	DISC	Discriminator output	Ext tone input-	TONE-	18
6	LINE+	Line output+	Line input+	LINE+	6
20	LINE-	Line output-	Line input-	LINE-	20
8	EXT SQ	Ext Squelch input	Auto Level Control	ALC	8
13, 25	GND	Ground, 0V		GND	13, 25
21	BCD 1	Channel select 1's digit		BCD 1	21
9	BCD 2	Channel select 1's digit		BCD 2	9
22	BCD 4	Channel select 1's digit		BCD 4	22
10	BCD 8	Channel select 1's digit		BCD 8	10
23	BCD 10	Channel select 10's digit		BCD 10	23
11	BCD 20	Channel select 10's digit		BCD 20	11
24	BCD 40	Channel select 10's digit		BCD 40	24
12	BCD 80	Channel select 10's digit		BCD 80	12



TX PCB



RX PCB

CHANNEL SELECTION WITHOUT BCD THUMB WHEEL SWITCH OPTION

There are 100 channels available (CH0 to CH99) for frequency and subtone information. The channels can be selected via a front panel thumb wheel switch option or hard wired on the rear rack frame pcb. The default channel is CH0.

Binary or BCD logic is used to select the required channel. Examples are included below.

Channel	Binary (BCD)							
Select	80	40	20	10	8	4	2	1
0	-	-	-	-	-	-	-	-
1	-	-	-	-	-	-	-	X
2	-	-	-	-	-	-	X	-
3	-	-	-	-	-	-	X	X
4	-	-	-	-	-	X	-	-
15	-	-	-	X	-	X	-	X
22	-	-	X	-	-	-	X	-
97	X	-	-	X		X	X	X

X = need to solder across the pins to form link on the pcb.