

RECEIVER Jumper Options

JP1 - 240 Hz Notch Filter

Notch Filter IN
 OUT

Position
1-2 *
2-3

JP11 EPROM Type

27C256
27C64

Position
2-3 *
1-2

JP2 - Audio Response

750 uSec. de-emphasis
Flat response

Position
1-2 *
2-3

**THE FOLLOWING JUMPERS ARE VALID ON
RX PCB VERSION 30/9132/0002 OR LATER**

JP3 - Audio Filter in/Out

Hi-pass & Notch In
Flat Response

Position
2-3 *
1-2

JP13 – Squelch Defeat

Squelch operation normal
Squelch Defeat on active low input at DB25 pin 19

Position
1-2 *
2-3

JP4 - 600 Ohm Line dc Loop COS

dc Loop Configured
by JP7, JP8, JP9
dc Loop Not Used

Position
1-2 *
2-3

JP19 – LED Alarm output

No alarm output
Alarm LED signal output brought to DB25 pin 7

Position
1-2 *
2-3

JP6 - COS Polarity

Active on Signal
Active on No Signal

Position
2-3 *
1-2

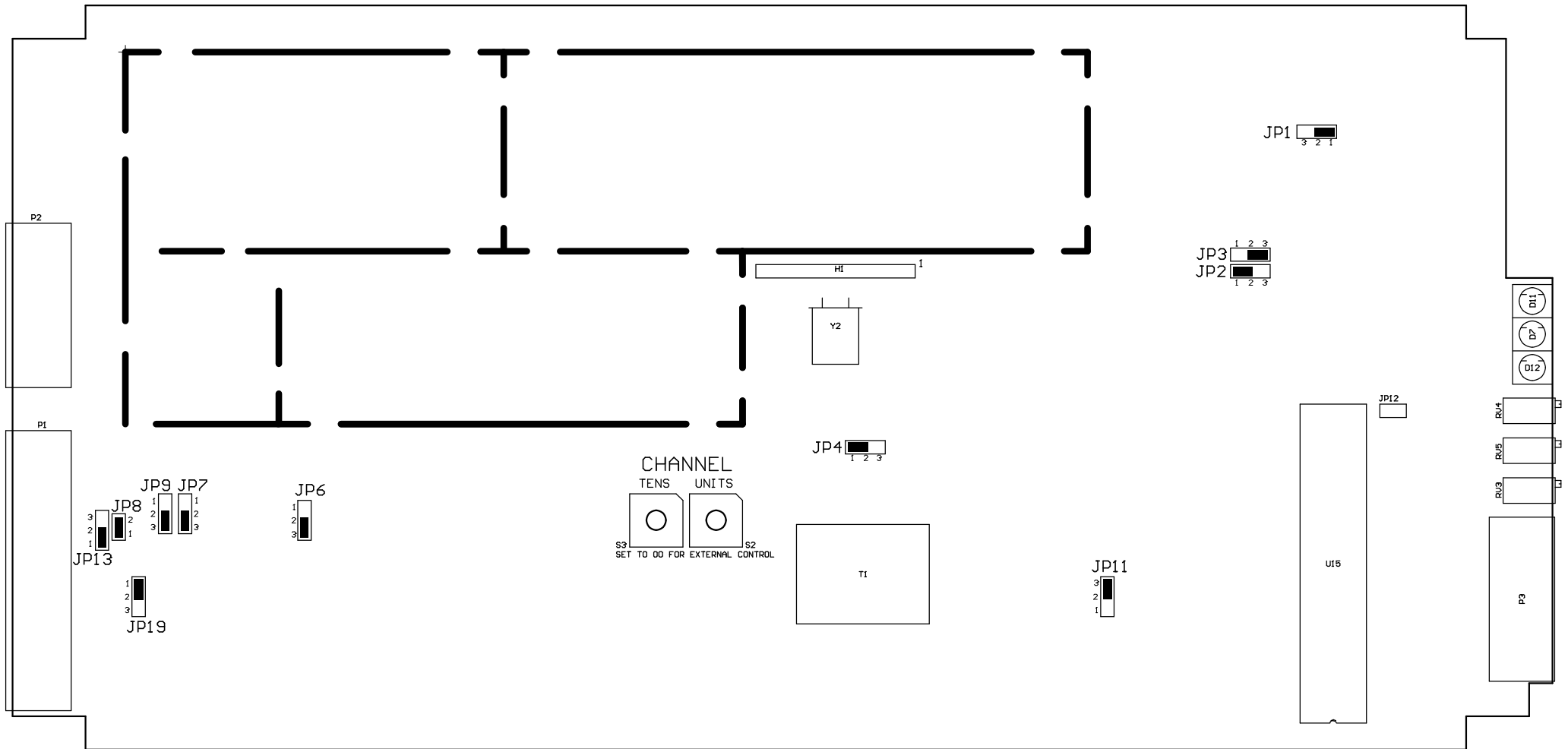
* = Standard Factory Configuration

JP7, JP8, JP9 - dc Loop COS Configuration (JP4 1-2)

	<u>JP7</u>	<u>JP8</u>	<u>JP9</u>
Source +12Vdc Loop	2-3	ON	1-2 *
Free Switch Output	1-2	ON	2-3

JP7, JP8, JP9 - Direct Output COS (JP4 2-3)

	<u>JP7</u>	<u>JP8</u>	<u>JP9</u>
+12 Vdc Direct Output	2-3	OFF	OFF
Free Switch Output	1-2	OFF	OFF



STANDARD RECEIVER JUMPER CONFIGURATION

TRANSMITTER Jumper Options

JP2- EPROM Type

27C256	<u>Position</u> 2-3 *
27C64	1-2

JP3 - 600 Ohm Line dc Loop PTT Input

dc Loop Connected	<u>Position</u> 1-2 *
dc Loop Not Connected	2-3

JP4 - Audio Input Source Selection

600 Ohm Line Input	<u>Position</u> 2-3 *
Hi-Z Balanced Input	1-2

JP5 - 600 ohm Audio Terminator

Terminated 600 Ohm	<u>Position</u> 1-2 *
Not terminated	2-3

JP6 - Input Level Attenuation

0 dB	<u>Position</u> 1-2 *
20 dB	2-3

JP7 - Audio Frequency Response

750 uSec. Pre-emphasis	<u>Position</u> 1-2 *
Flat Response	2-3

JP8 - Subaudible Tone Source

Internal CTCSS	<u>Position</u> 1-2, 4-5 *
External Input	2-3, 5-6

JP9, JP10, JP11 dc Loop PTT Input Configuration (JP3 1-2)

	<u>JP9</u>	<u>JP10</u>	<u>JP11</u>
Current Loop input	ON	OFF	OFF *
+12 Vdc Loop Source	OFF	ON	ON

THE FOLLOWING JUMPERS ARE VALID ON TX PCB VERSION 30/9116/0004 OR LATER

JP16 –(see also JP22) DCS and low frequency Digital Data Input

	<u>Position</u>
DCS Not selected JP16	1-2 *
Select DCS input JP16	2-3

JP22 – (see also JP16) Tone input or DCS Digital Data Input

	<u>Position</u>
Tone- input JP22 fitted	1-2 *
DCS input JP22 removed	open

JP17 – Bypass Tone circuit 250Hz low pass filter

	<u>Position</u>
Default - Link not fitted JP17	open*
Bypass active JP17 fitted	1-2

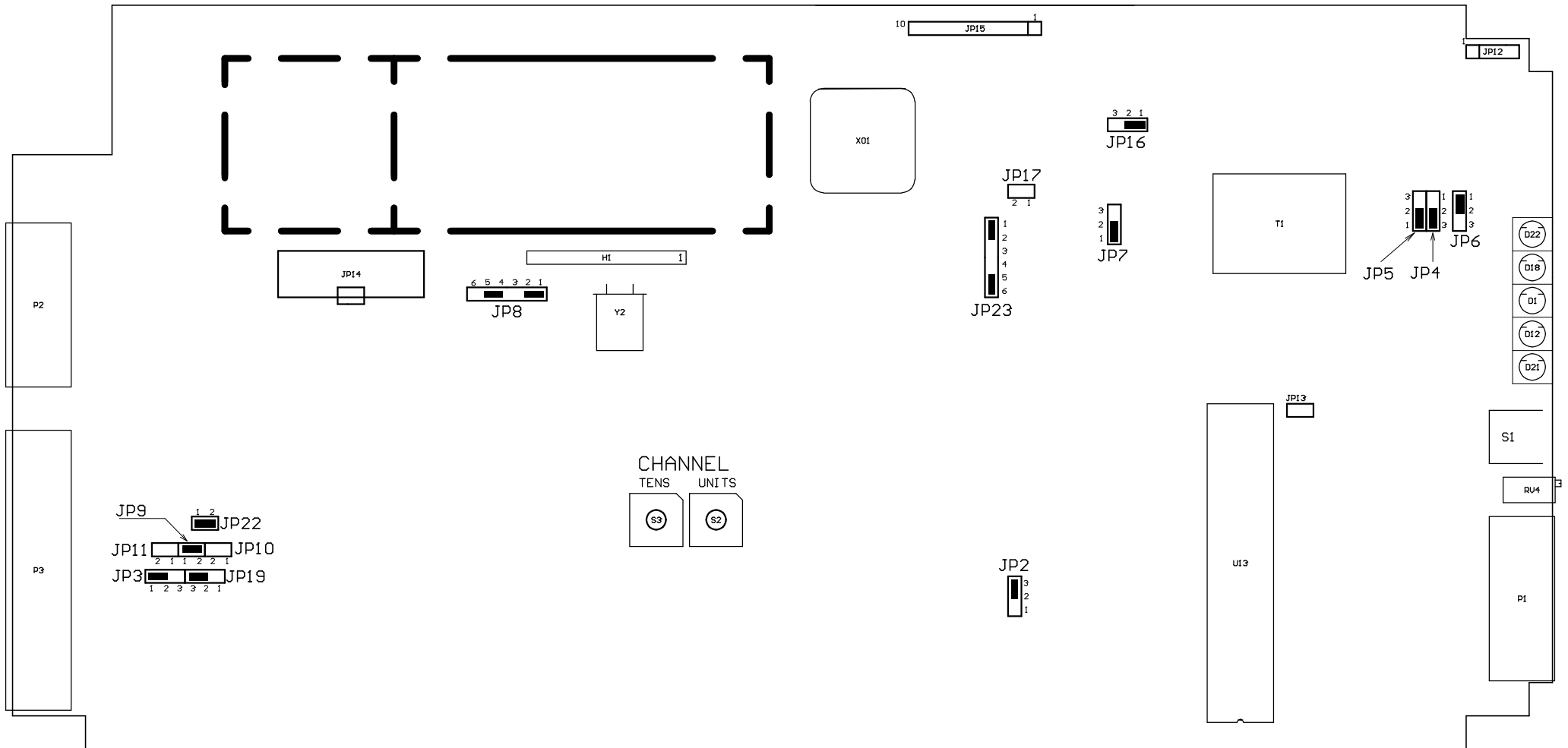
JP19 – LED Alarm output

	<u>Position</u>
No alarm output	2-3 *
Alarm - active low output at DB25 pin 7	1-2

JP23 – DMTX Digital and audio modulation option

	<u>Position</u>
Audio modulation only	1-2, 5-6 *
DMTX fitted for Digital and Audio modulation	2-3, 4-5

* = Standard Factory Configuration



STANDARD EXCITER JUMPER CONFIGURATION