SC2 micro board

Terminal	Signal	Wire Colour	Destination
T1	Power Input (+8 to +12 volts)	Red	Power input (+8 to +12 volts)
T2	Ground	Shield	Ground
T3	PTT output	Green	PTT output
T4	Alarm relay drive	Orange	Alarm relay drive
T5	Scan line	Grey	Scan line
T6	Mute line	Purple	Mute line
T7	Receive audio input	Blue	Receive audio input
T8	Alarm audio output	White	Alarm audio output
T9	Transmit audio output	Yellow	Transmit audio output
T10	PTT input	Blue	
T11	LED drive (negative)		
T12	LED feed (+5v 390 ohm)		Called LED
T13	PTT Gnd (Note 3)	Black	
T14	Tx audio to PTT switch	Green	
T15	Tx audio from PTT switch	Yellow	

(Note 3)

LINK (Note 1)

(Note 2)

L1

White

PTT

S1

M1 Microphone

Green

Yellow
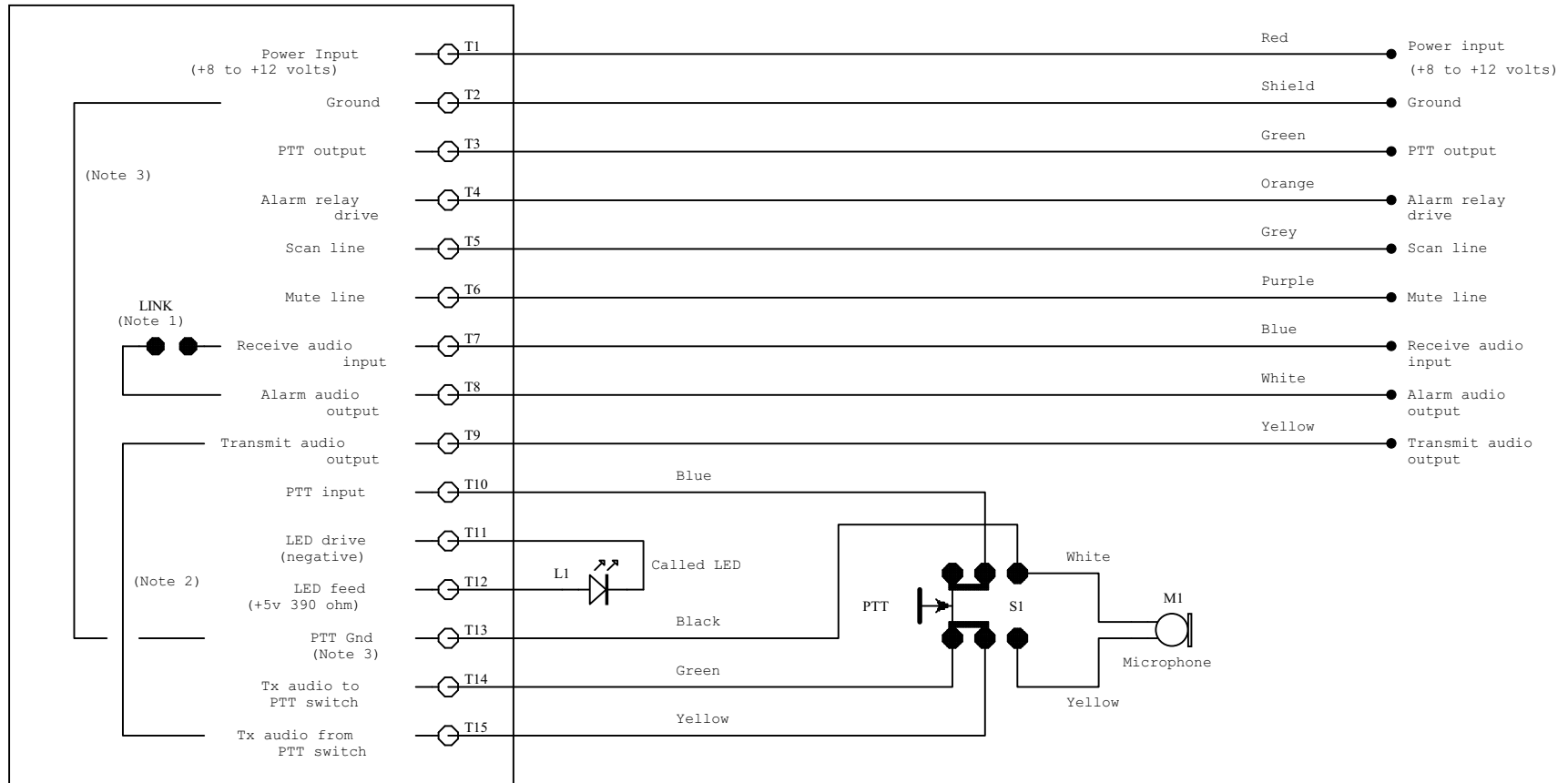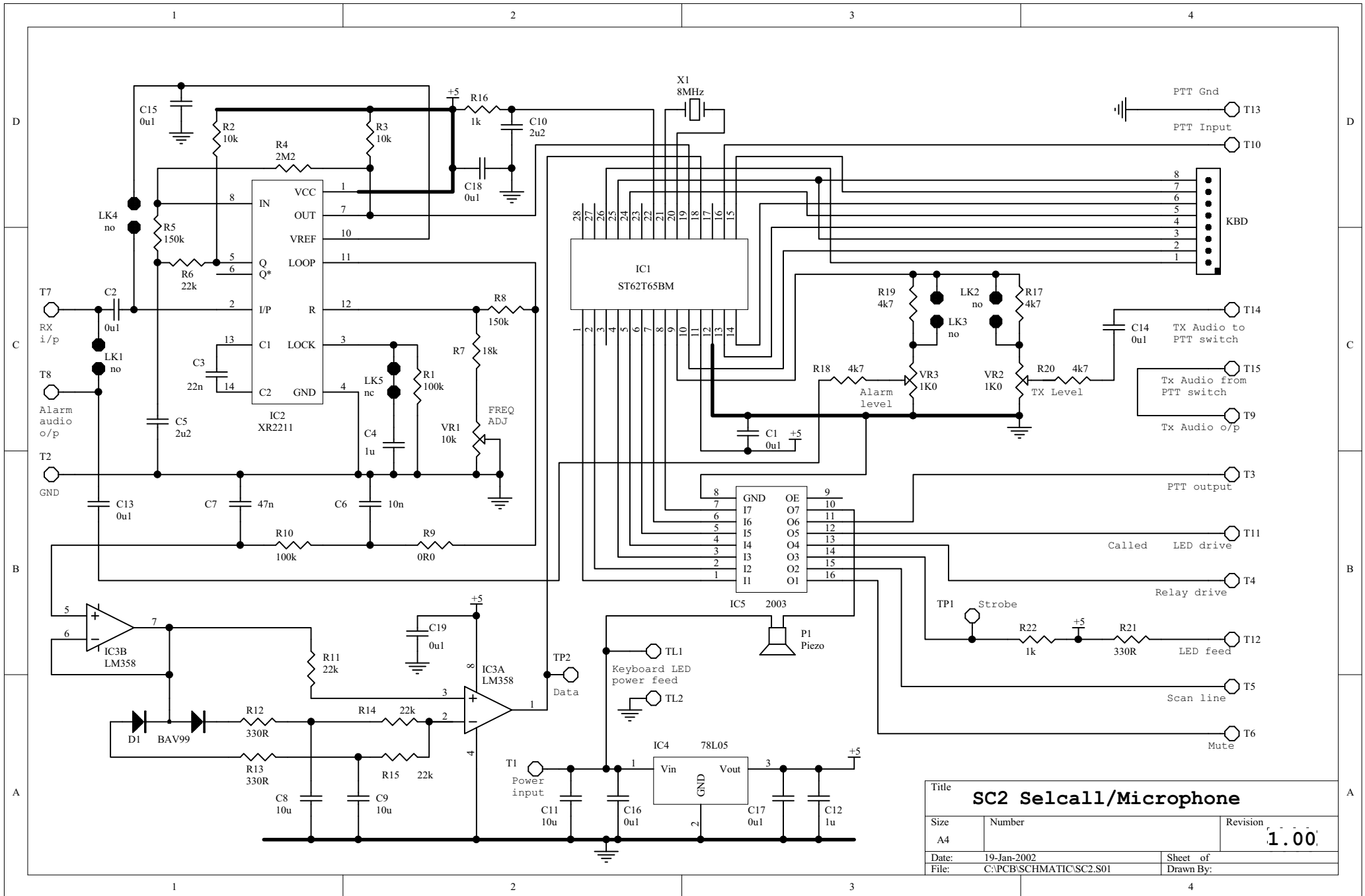
Note 1 - Make LINK LK1 to feed Alarm audio back into Rx

Note 2 - T9 and T15 are linked on SC2 micro board

Note 3 - T2 and T13 are linked on SC2 micro board

Title	SC2 Microphone internal wiring		
Size A4	Number		Revision 1.00
Date:	19-Jan-2002	Sheet of	
File:	C:\PCB\SCHMATIC\SC2BOARD.S01	Drawn By:	

Title: **SC2 Selcall/Microphone**

Size	Number		Revision
A4			1.00

Date: 19-Jan-2002 Sheet of
File: C:\PCB\SCHMATIC\SC2.S01 Drawn By:

Component labels and annotations:

C15 0u1, R2 10k, R4 2M2, R3 10k, +5, R16 1k, C10 2u2, X1 8MHz, PTT Gnd, T13, PTT Input, T10

LK4 no, R5 150k, R6 22k, VCC, IN, OUT, VREF, LOOP, C18 0u1, IC1 ST62T65BM, KBD (8,7,6,5,4,3,2,1)

T7 RX i/p, C2 0u1, LK1 no, IC2 XR2211, Q, Q*, I/P, R, C1, C3 22n, C2, LOCK, R8 150k, R7 18k, R1 100k, LK5 nc, R19 4k7, LK2 no, R17 4k7, LK3 no, R18 4k7, VR3 1K0, VR2 1K0, R20 4k7, TX Level, C14 0u1, T14 TX Audio to PTT switch

T8 Alarm audio o/p, C5 2u2, C4 1u, VR1 10k, FREQ ADJ, Alarm level, C1 0u1 +5, T15 Tx Audio from PTT switch, T9 Tx Audio o/p

T2 GND, C13 0u1, C7 47n, C6 10n, R10 100k, R9 0R0, GND, I7, I6, I5, I4, I3, I2, I1, OE, O7, O6, O5, O4, O3, O2, O1, IC5 2003, T3 PTT output, T11 Called LED drive, T4 Relay drive

IC3B LM358, C19 0u1, +5, IC3A LM358, TP2 Data, TL1 Keyboard LED power feed, TL2, P1 Piezo, TP1 Strobe, R22 1k, +5, R21 330R, T12 LED feed

D1 BAV99, R12 330R, R14 22k, R13 330R, R15 22k, C8 10u, C9 10u, T1 Power input, IC4 78L05, Vin, GND, Vout, C11 10u, C16 0u1, C17 0u1, C12 1u, +5, T5 Scan line, T6 Mute