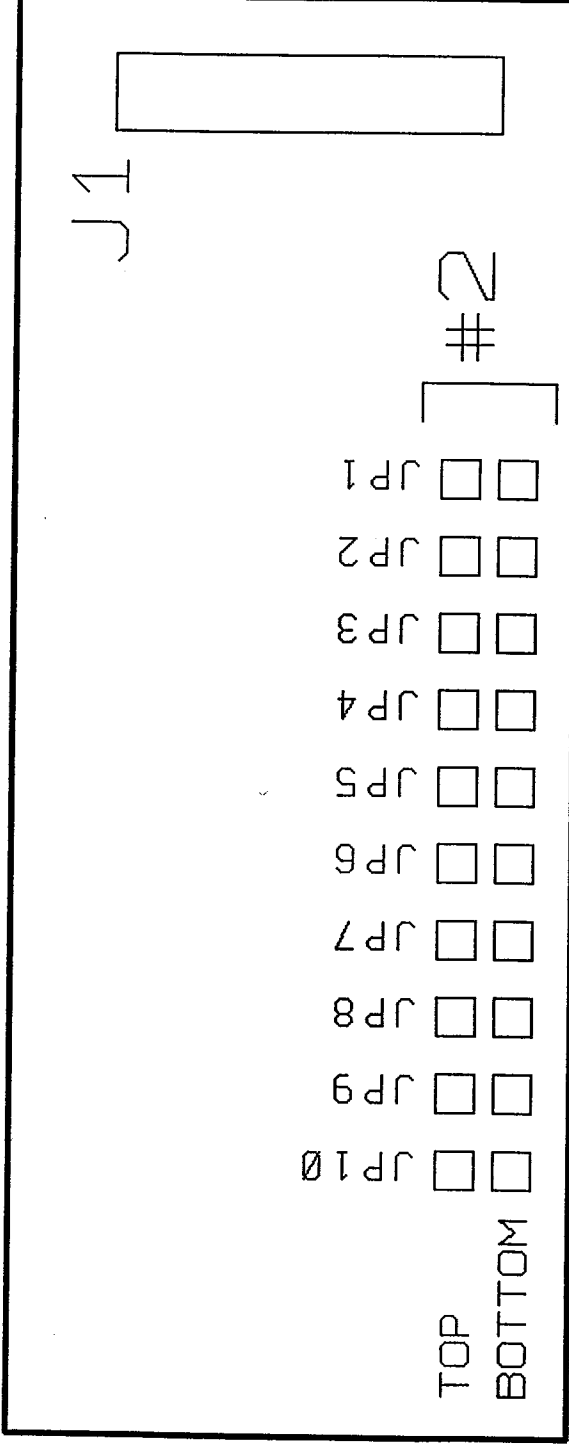


TS-64 CONNECTIONS



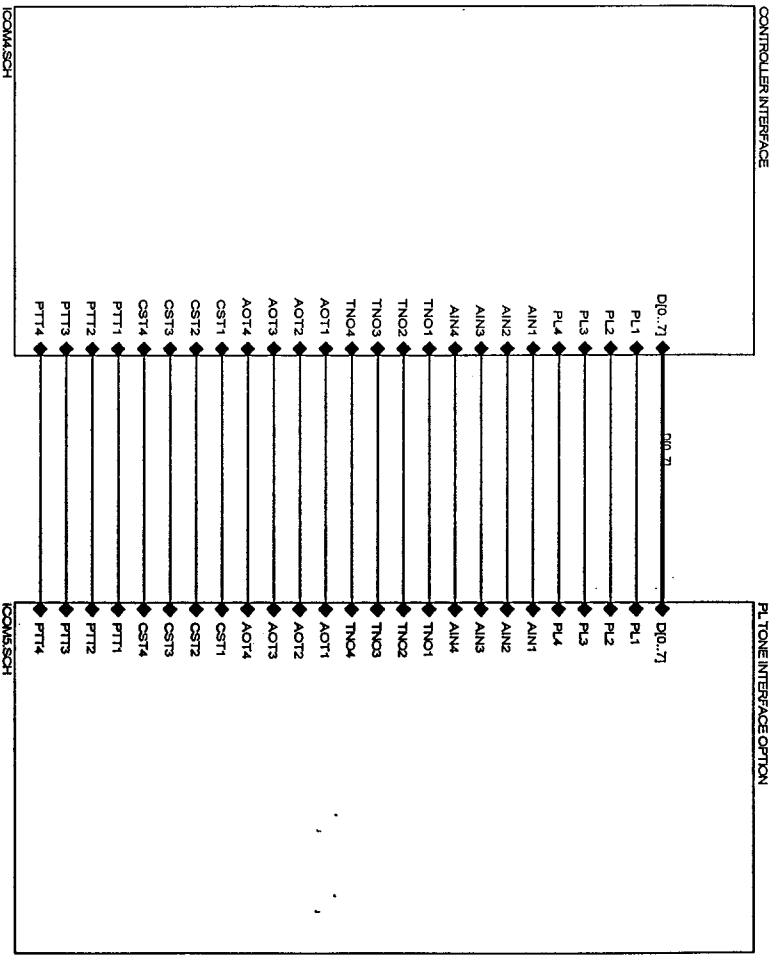
DIRECTIONS:

- 1) REMOVE J1 AND REPLACE WITH 9 JUMPER PINS
- 2) INSTALL JUMPER PINS ON THE TOP ROW ONLY ON #2
 - POSITIONS JP (1,2,3,4,5,6) NEED PINS AND PIN 7 (V1.19 AND LATER)
- 3) PIN LENGTHS OF Ø.50" NEEDED
- 4) PLACE THE TS-64 MODULE ON THE RLC-ICM AND SOLDER THE PINS TO THE MAIN BOARD WITH A LOW TEMP. IRON

AVAILABLE FROM:

COMMUNICATION SPECIALISTS, INC.
 426 WEST TAFT AVE.
 ORANGE, CA 92665-4296
 VOICE: 1-800-854-0547
 FAX: 1-800-850-0547

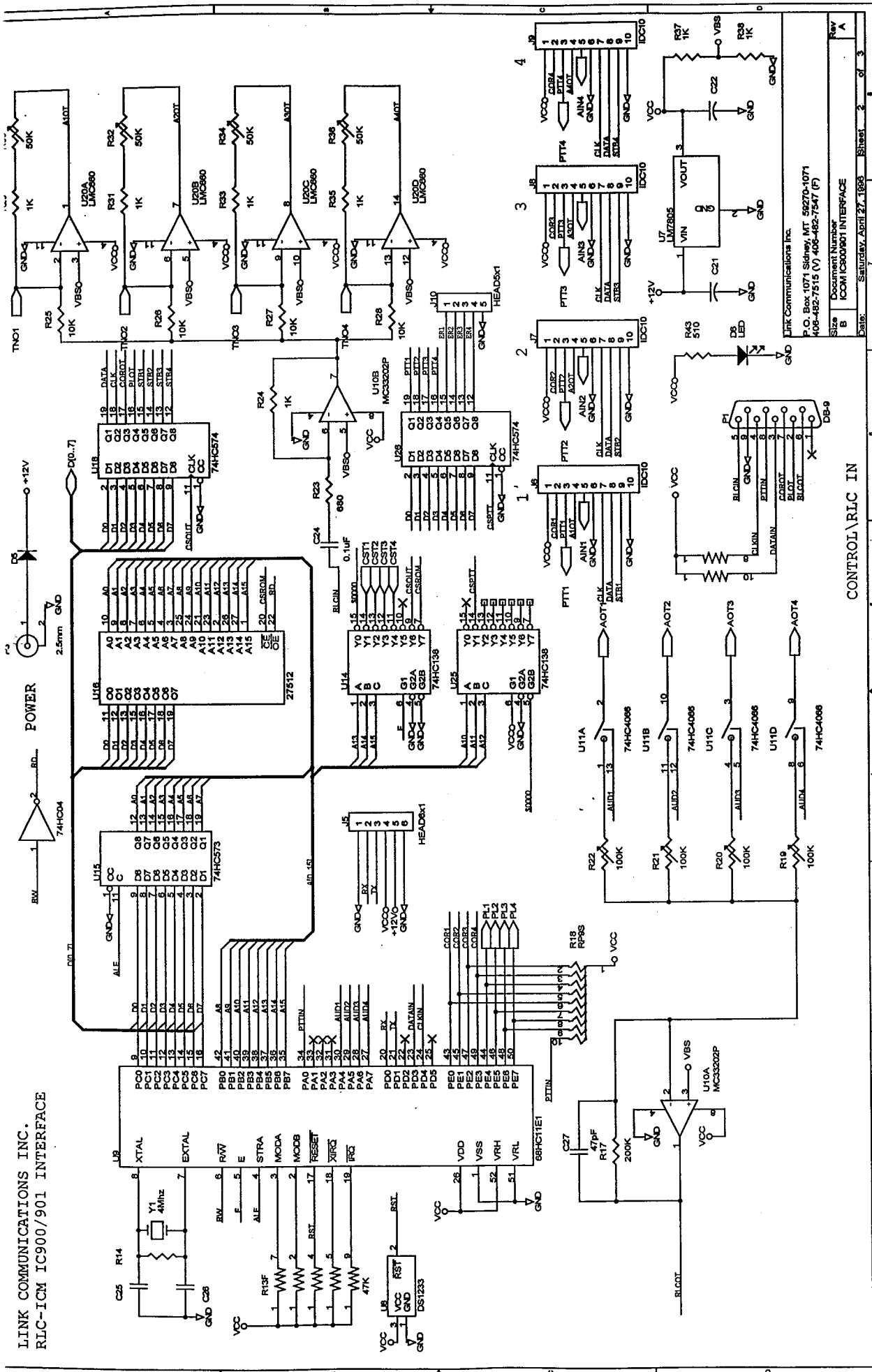
Schematic Drawings



Link Communications Inc.
 P.O. Box 1071 Sidney, MT 58270-1071
 406-482-7515 (V) 406-482-7547 (F)
 Size 9 Document Number ICOM IC-800 INTERFACE
 Date: Saturday, April 21, 1996 Sheet 1 of 3

Rev A

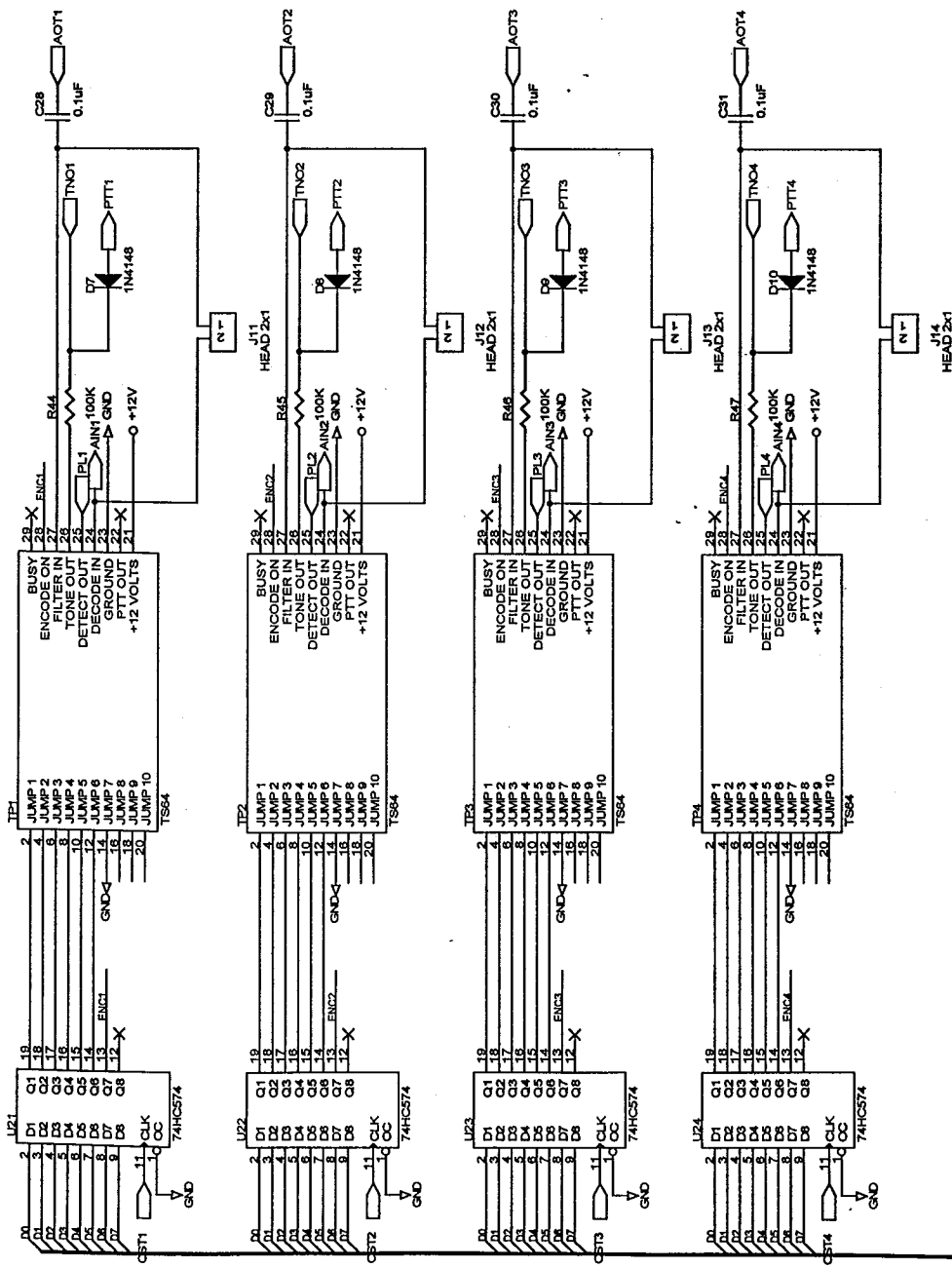
LINK COMMUNICATIONS INC.
RLC-ICM IC900/901 INTERFACE



CONTROL \ RLC IN

Link Communications Inc.
P.O. Box 1071 Skidway, MT 59270-1071
406-482-7515 (V) 406-482-7547 (F)

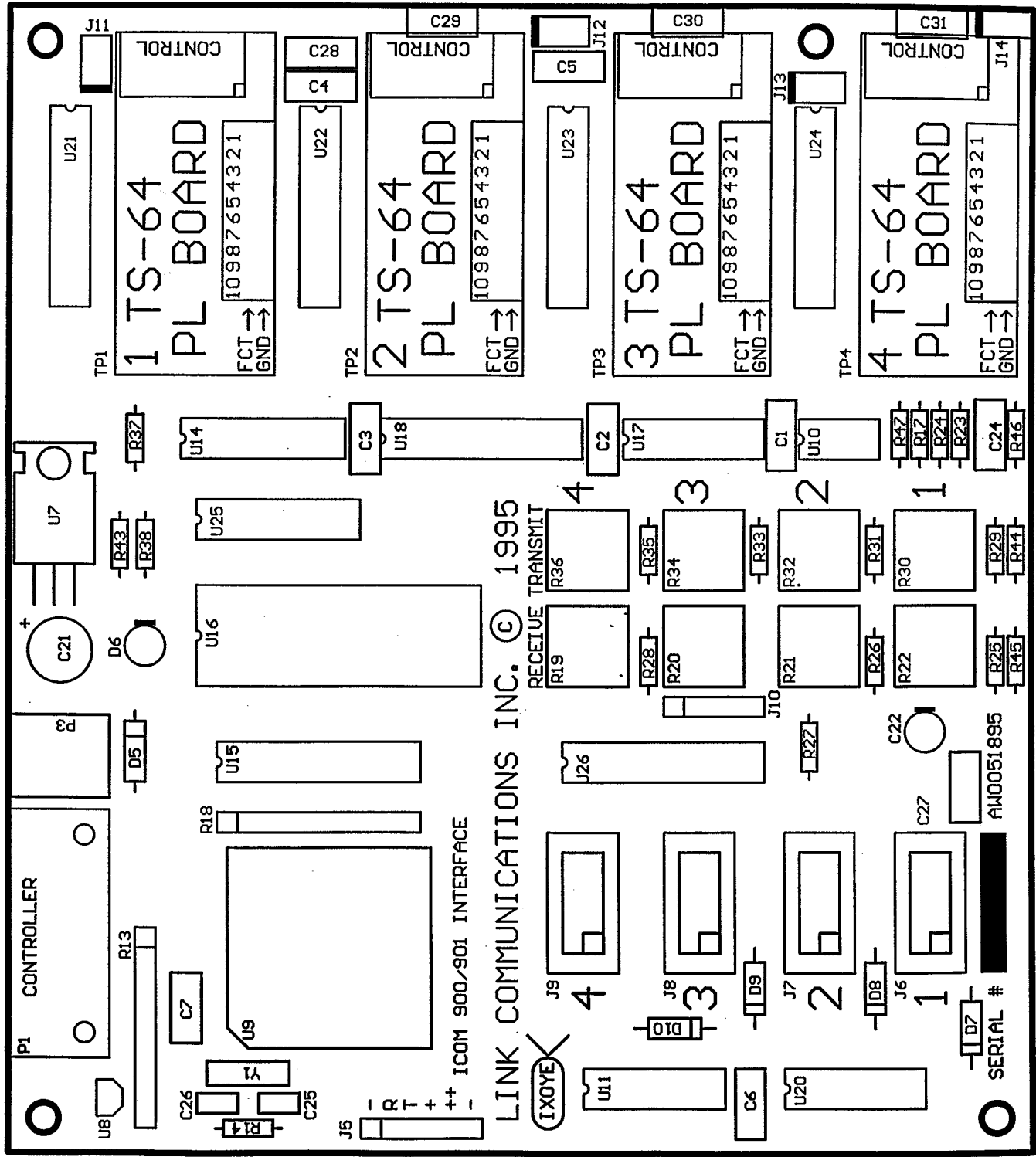
Doc: IC900/901 Interface
Date: Saturday, April 27, 1995
Sheet 2 of 3



Link Communications Inc.
P.O. Box 1071 Sidney, MT 58270
Size B Document Number
Date: Saturday, April 27, 1986 Sheet 3 of 3

000..71

Board Layouts



LINK COMMUNICATIONS INC. © 1995

ICOM 900/901 INTERFACE

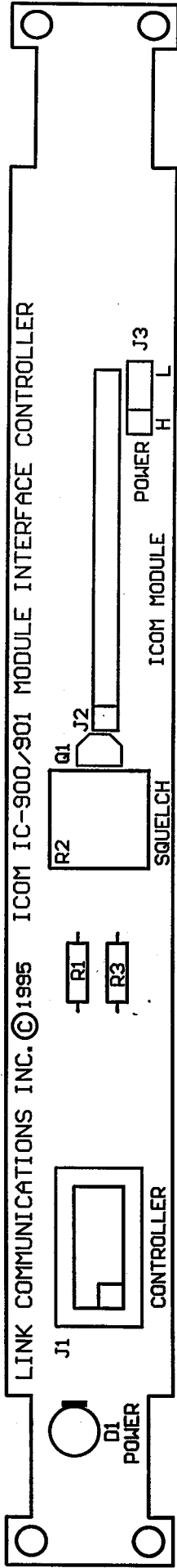
RECEIVE TRANSMIT

IXOYEX

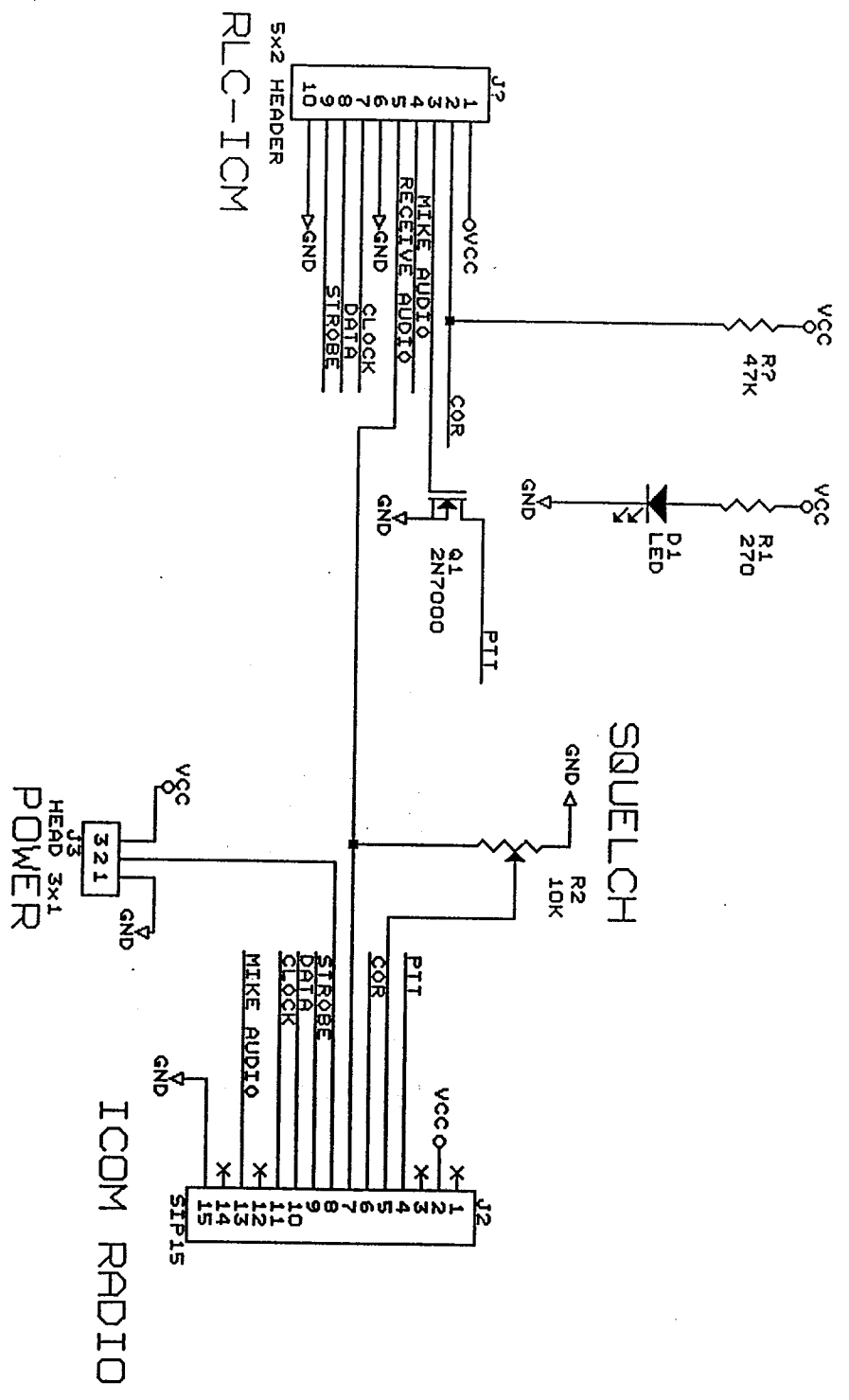
SERIAL # AM0051895

5.080 INCHES

5.730 INCHES



IC-900/901 RADIO INTERFACE



LINK COMMUNICATIONS INC.	
P.O. BOX 1071 SIDNEY, MT 59270	
Size Document Number	A
ICOM IC-900/901 radio Interface	A
Date:	August 28, 1995 Sheet 4 of 4

ICOM IC-900 INTERFACE
Bill Of Materials

Revised: May 24, 1995
Revision: A
October 23, 1995 9:38:52 Page 1

Item	Quantity	Reference	Part
1	1	C21	220
2	1	C22	1uF
3	5	C24, C28, C29, C30, C31	0.1uF
4	2	C25, C26	33pF
5	1	C27	47pF
6	1	D5	1N4004
7	1	D6	LED
8	4	D7, D8, D9, D10	1N4148
9	1	J5	HEAD6x1
10	4	J6, J7, J8, J9	IDC10
11	1	J10	HEAD5x1
12	4	J11, J12, J13, J14	HEAD 2x1
13	1	P1	DB-9
14	1	P3	2.5mm
15	1	R13	47K
16	1	R14	10M
17	1	R17	200K
18	1	R18	RP9S
19	8	R19, R20, R21, R22, R44, R45, R46, R47	100K
20	1	R23	680
21	7	R24, R29, R31, R33, R35, R37, R38	1K
22	4	R25, R26, R27, R28	10K
23	4	R30, R32, R34, R36	50K
24	1	R43	510
25	4	TP1, TP2, TP3, TP4	TS64
26	1	U7	LM7805

ICOM IC-900 INTERFACE
Bill Of Materials

Revised: May 24, 1995
Revision: A
October 23, 1995 9:38:52 Page 2

Item	Quantity	Reference	Part
27	1	U8	DS1233
28	1	U9	68HC11E1
29	1	U10	MC33202P
30	1	U11	74HC4066
31	2	U14,U25	74HC138
32	1	U15	74HC573
33	1	U16	27512
34	1	U17	74HC04
35	6	U18,U21,U22,U23,U24,U26	74HC574
36	1	U20	LMC660
37	1	Y1	8Mhz

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RLC-ICM Internal Operation Test Points

The RLC-ICM ICOM IC900\901 module controller supports on-board function test points. These test points are supported in the software release V1.14 and later. The test points are located towards the center of the interface. Test points are located on connector J10 which is a 5 pin male header connector on older RLC-ICM units, and have LED's on newer units.

The tests points represent the following:

- Pin 1 - Transfer complete (Data received without errors)
- Pin 2 - Configuration data received (Set-up data received without errors)
- Pin 3 - Error detected in transfer (Errors were encountered on the RLC-ICM)
- Pin 4 - 1 second pulse output (Indicates program is running)
- Pin 5 - Ground reference

When any data is sent to the RLC-ICM one of the above pins will change state. The active state is +5v or a (high). More than one state may be present at a time and the states will be active for 10 seconds (Except the 1 second pulse output).

Controller interfacing:

The user can use these pins for feedback to your RLC controller. When a frequency is selected on the interface, and the data was received without errors, pin #1 will go from the low (0v) state to the high (5v) state. When connected to an input line the controller can respond (Remote Base OK) for example. If an error is received during transfer pin #3 will go from the low (0v) state to the high (5v) state. When connected to an input line the controller can respond (Remote Base Error) for example. These lines simply tell the user that the data was received.

These lines can not directly interface to LED's, relays or any current "hungry" device. They are only designed for correct/error detection.

