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Title:

COI503

Communication Interface

Technical Manual

Keywords:

COI503, communication interface, RC850.

Abstract:

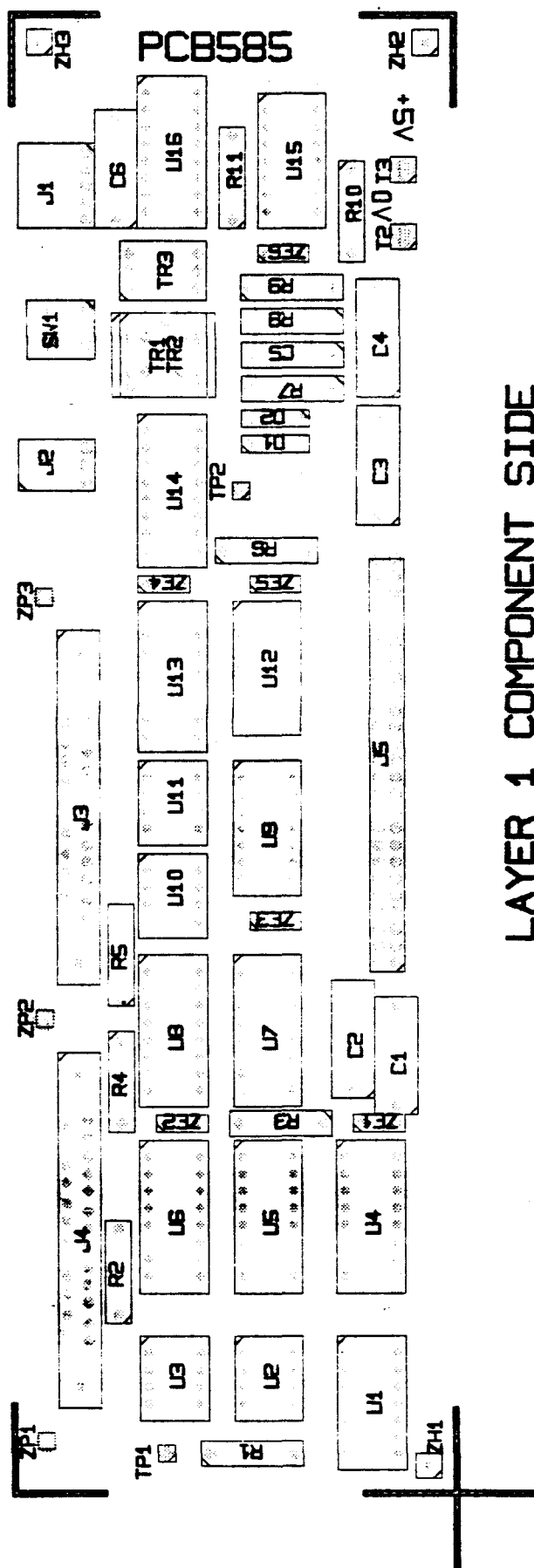
This manual contains the drawings of the COI503 communication interface.

(16 printed pages)

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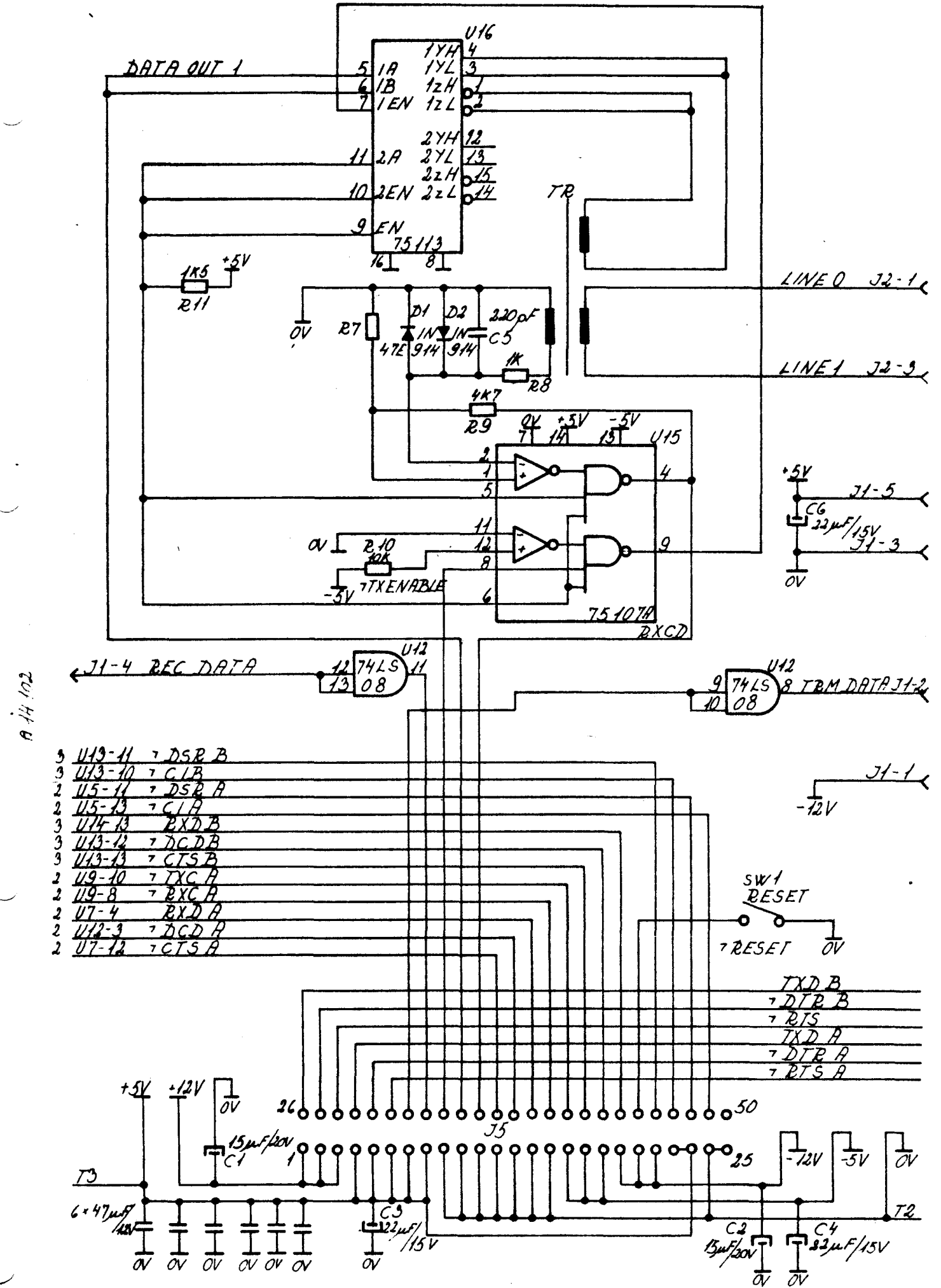
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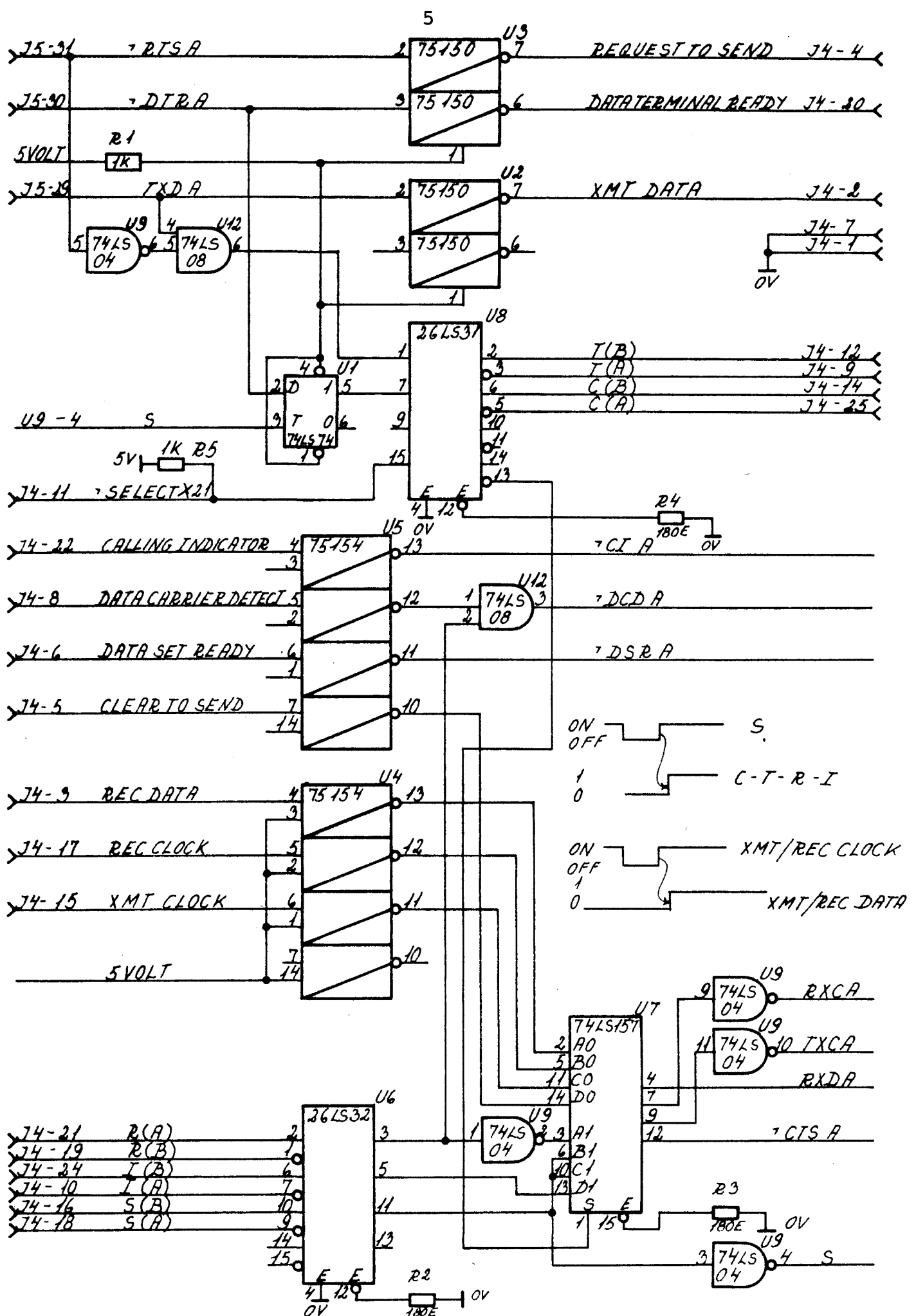
2. LOGIC DIAGRAM

2.

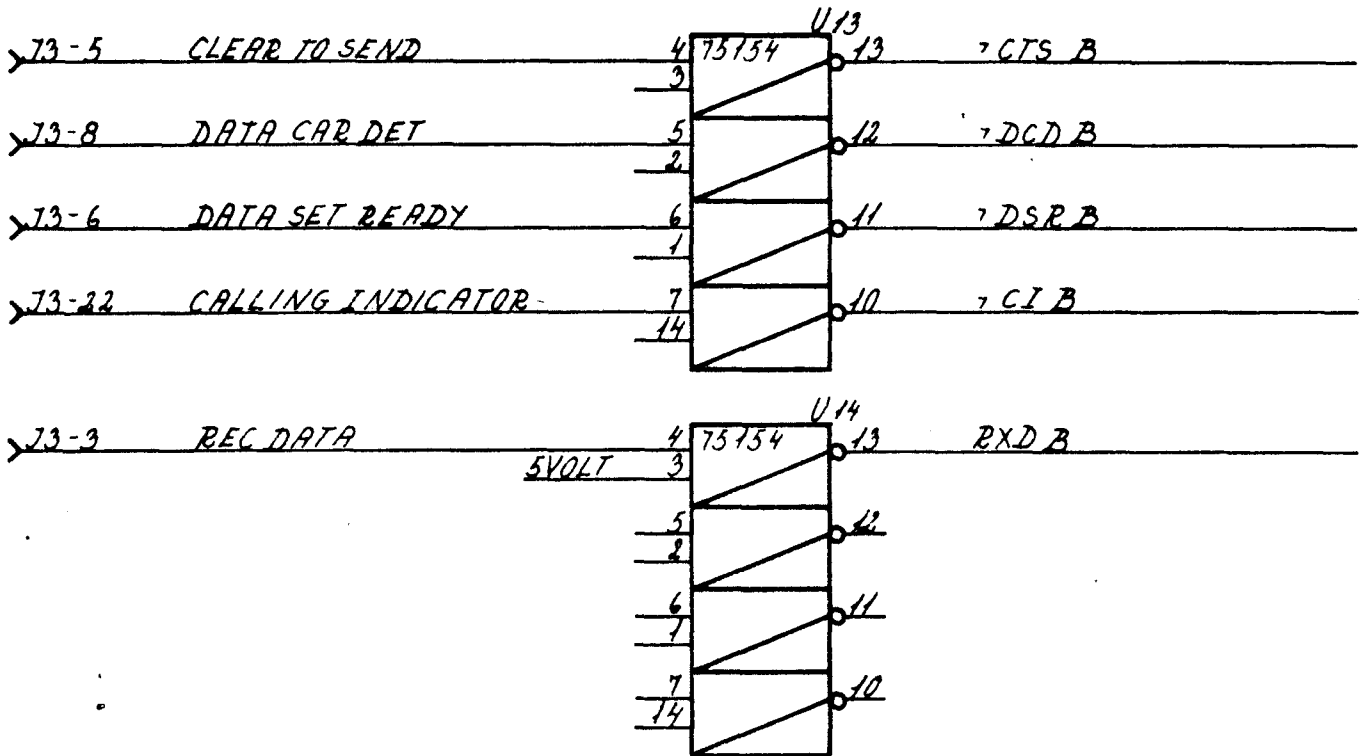
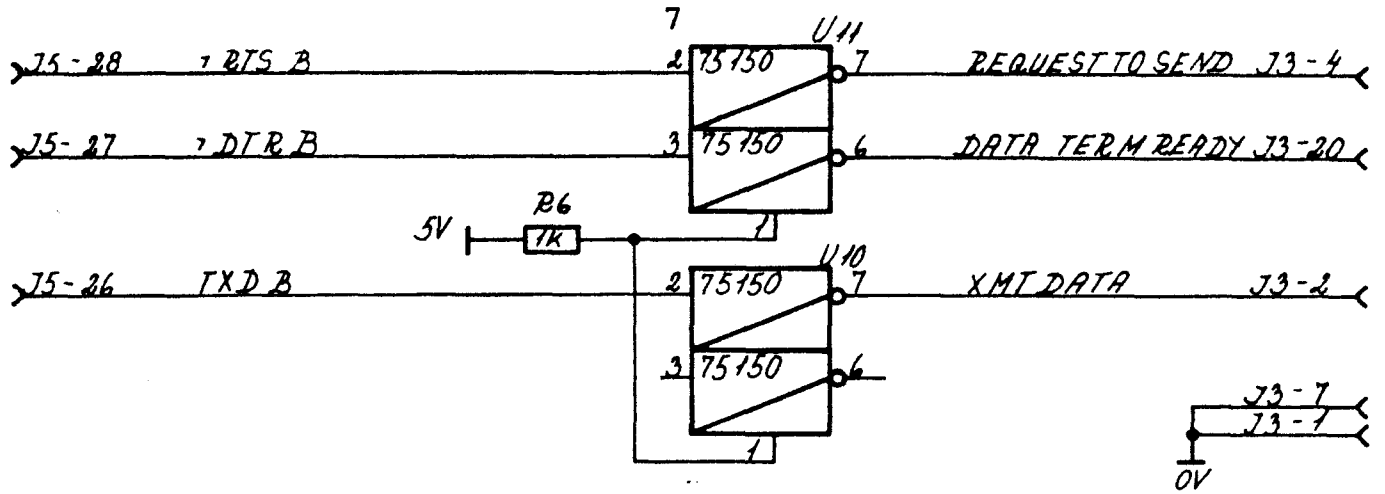
Signal	Destination	Description
LINE 0	J2-1	Circuit line
LINE 1	J2-3	
TRM DATA	J1-2	Transmit to keyboard.
TXD B	3	Transmit data.
-,DTR B	3	Data terminal ready.
-,RTS B	3	Request to send.
TXD A	2	Transmit data.
-,DTR A	2	Data terminal ready.
-,RTS A	2	Request to send.



Signal	Destination	Description
REQUEST TO SEND DATA TERMINAL	J4-4	V24 modem signals.
READY	J4-20	
XMT DATA	J4-2	
T(B)	J4-12	X24/X27 modem signals.
T(A)	J4-9	
C(B)	J4-14	
C(A)	J4-25	
-,CI A	1	Calling indicator.
-,DCD A	1	Data Carrier Detect.
-,DSR A	1	Data Set ready.
RXCA	1	Receiver clock.
TXCA	1	Transmitter clock.
RXDA	1	Receiver data.
-,CTS A	1	Clear to send.
S	2	X24 modem clock.



Signal	Destination	Description
REQUEST TO SEND J3-4		V24 modem signals.
DATA TERM READY J3-20		
XMT DATA	J3-2	
-,CTS B	1	Clear to send.
-,DCD B	1	Data Carrier Detect.
-,DSR B	1	Data Set Ready.
-,CI B	1	Calling indicator.
RXD B	1	Receiver data.



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3. PLUG LIST

3.

J1: Keyboard

- 1 -12V
- 2 TRM DATA
- 3 0V
- 4 REC DATA
- 5 +5V

J2: Circuit

- 1 Line 0
- 2 -
- 3 Line 1

J3: Printer

- 1 gnd
- 2 XMT DATA
- 3 REC DATA
- 4 REQUEST TO SEND
- 5 CLEAR TO SEND
- 6 DATA SET READY
- 7 gnd
- 8 DATA CAR DET
- 9 -
- 10 -
- 11 -
- 12 -
- 13 -
- 14 -
- 15 -
- 16 -
- 17 -
- 18 -
- 19 -
- 20 DATA TERM READY
- 21 -
- 22 CALLING INDICATOR
- 23 -
- 24 -
- 25 -

J4: Communication

- 1 gnd
- 2 XMT DATA
- 3 REC DATA
- 4 REQUEST TO SEND
- 5 CLEAR TO SEND
- 6 DATA SET READY
- 7 gnd
- 8 DATA CAR DET
- 9 T(A)
- 10 I(A)
- 11 -,SELECT X.21
- 12 T(B)
- 13 -
- 14 C(B)
- 15 XMT CLOCK
- 16 S(B)
- 17 REC CLOCK
- 18 S(A)
- 19 R(B)
- 20 DATA TERM READY
- 21 R(A)
- 22 CALLING INDICATOR
- 23 -
- 24 I(B)
- 25 C(A)

J5: CPU-board

1 +12V	26 TXD B
2 +12V	27 -,DTR B
3 +12V	28 -,RTS B
4 +5V	29 TXD A
5 +5V	30 -,DTR A
6 +5V	31 -,RTS A
7 +5V	32 TRM DATA
8 +5V	33 REC DATA keyboard
9 0V	34 -,TXENABLE
10 0V	35 DATA OUT
11 0V	36 RX DC
12 0V	37 -,CTS A
13 0V	38 -,DCD A
14 0V	39 RXD A
15 0V	40 -,RXC A
16 -5V	41 -,TXC A
17 -5V	42 -,CTS B
18 -5V	43 -,DCD B
19 -12V	44 RXD B
20 -12V	45 -,RESET
21 -12V	46 -,DSR B
22 +5V	47 -,CI B
23 +5V	48 -,DSR A
24 0V	49 -,CT A
25 0V	50 -

RETURN LETTER

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