



# Sailor

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INSTRUKTIONSBOG FOR  
SAILOR SCRAMBLER CRY2001

INSTRUCTION BOOK FOR  
SAILOR SCRAMBLER CRY2001

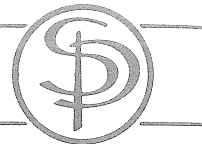
INSTRUKTIONSBUCH FÜR  
SAILOR SCRAMBLER CRY2001

INSTRUCTIONS POUR  
SAILOR SCRAMBLER CRY2001

INSTRUCCIONES PARA  
SAILOR SCRAMBLER CRY2001



A/S S. P. RADIO · AALBORG · DENMARK



FOR YOUR INFORMATION

*We regret that the final instruction manual is not yet ready and therefore send you a preliminary instruction manual.*

*If you wish to receive the final edition please fill in the following details and return the card to us. You will then receive the final instruction manual as soon as it is ready.*

*Please send me a complete instruction manual for SAILOR equipment*

*type: \_\_\_\_\_ serial No. \_\_\_\_\_*

*The set will be used in the following environment:*

*(name and type of ship etc.) \_\_\_\_\_*  
\_\_\_\_\_

*Instruction manual to be sent to:*

*Company: \_\_\_\_\_*

*Name: \_\_\_\_\_*

*Street/P. O. Box: \_\_\_\_\_*

*City: \_\_\_\_\_*

*Country: \_\_\_\_\_*

*When you have filled in this card please return it to:*

S. P. Radio A/S  
After-sale Service Department  
Porsvej 2  
9200 Aalborg SV  
Denmark

# INTERFACE FOR SAILOR SCRAMBLER CRY2001

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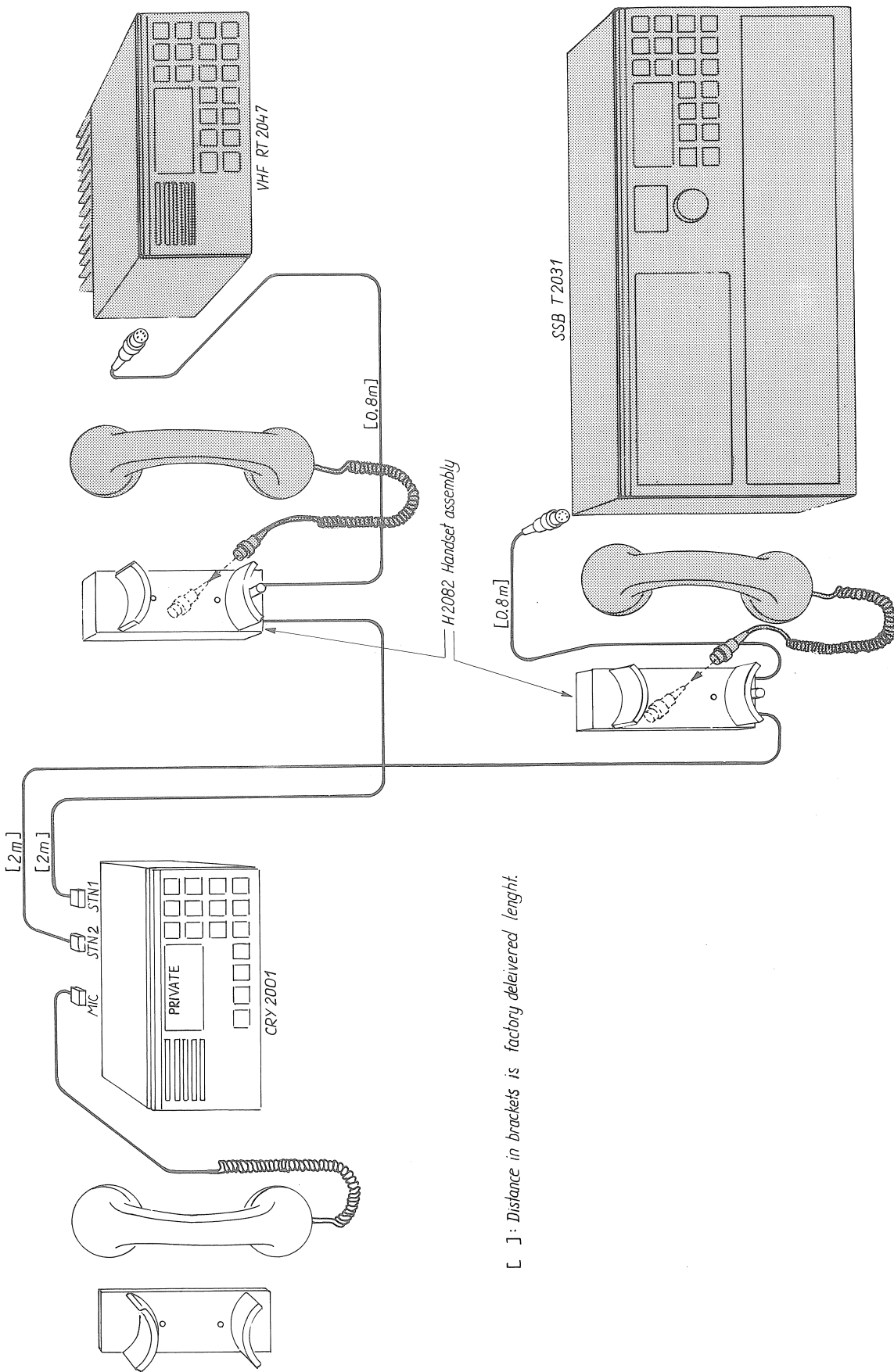
H240 HANDSET ASSEMBLY FOR:  
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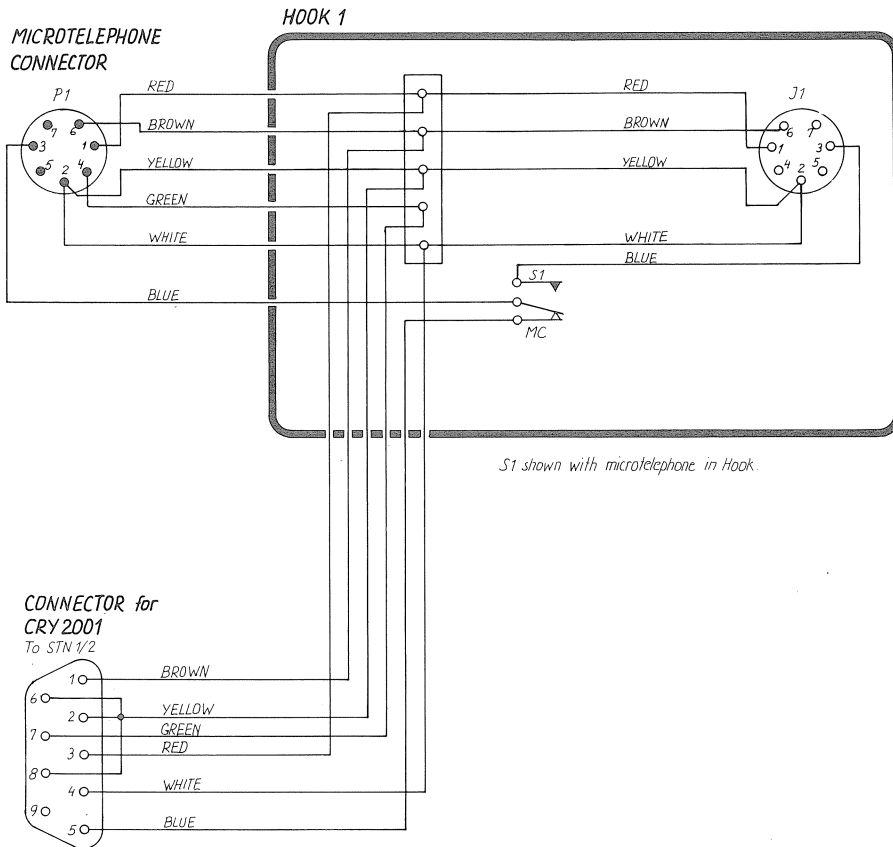
H2082 HANDSET ASSEMBLY FOR:  
 INTERCONNECTION TO VHF RT2047 AND  
 INTERCONNECTION TO SSB T2031



[ ] : Distance in brackets is factory delivered length.

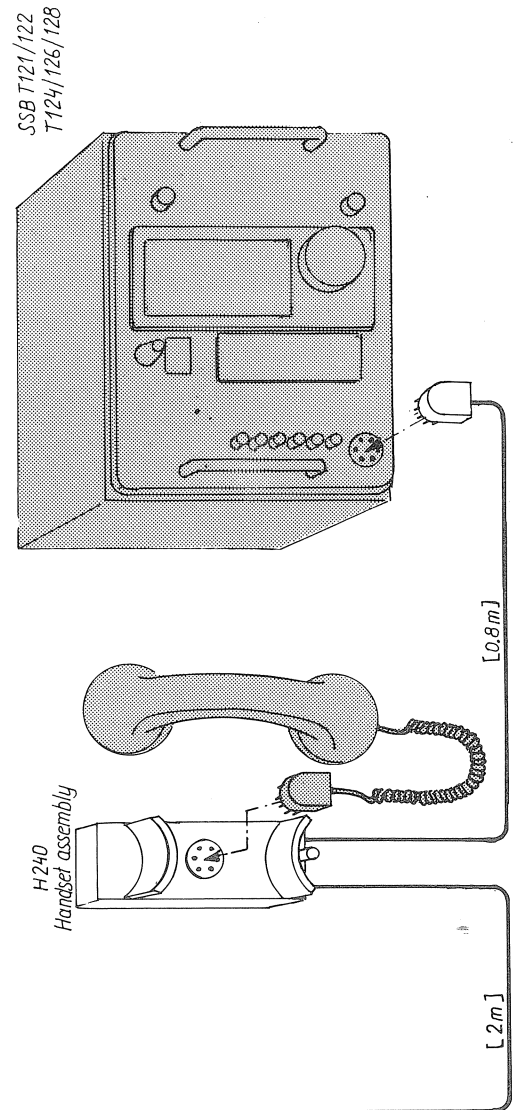
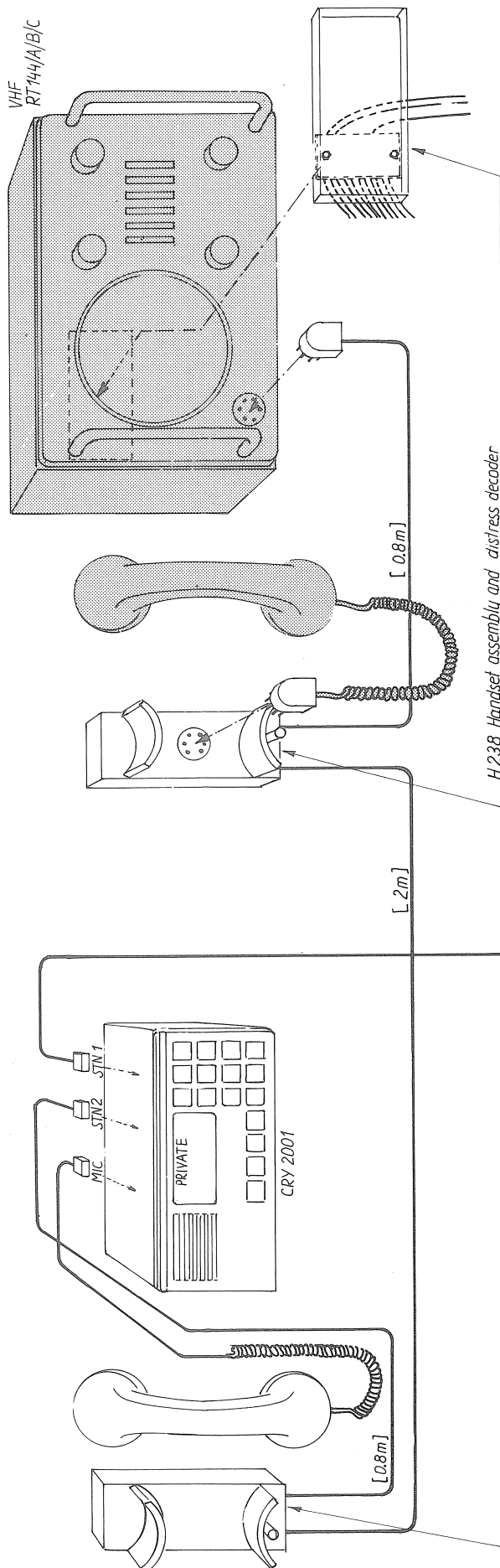
# H2082 HANDSET ASSEMBLY

INSTALLATION OF RT2047 or T2031 WITH CRY2001 and H2082 HANDSET ASSEMBLY



H238 HANDSET ASSEMBLY AND DISTRESS DECODER FOR:  
INTERCONNECTION TO VHF RT144A/B/C

H240 HANDSET ASSEMBLY FOR:  
INTERCONNECTION TO SSB T121/122/124/126/128



[ ] : Distance in brackets is factory delivered length.

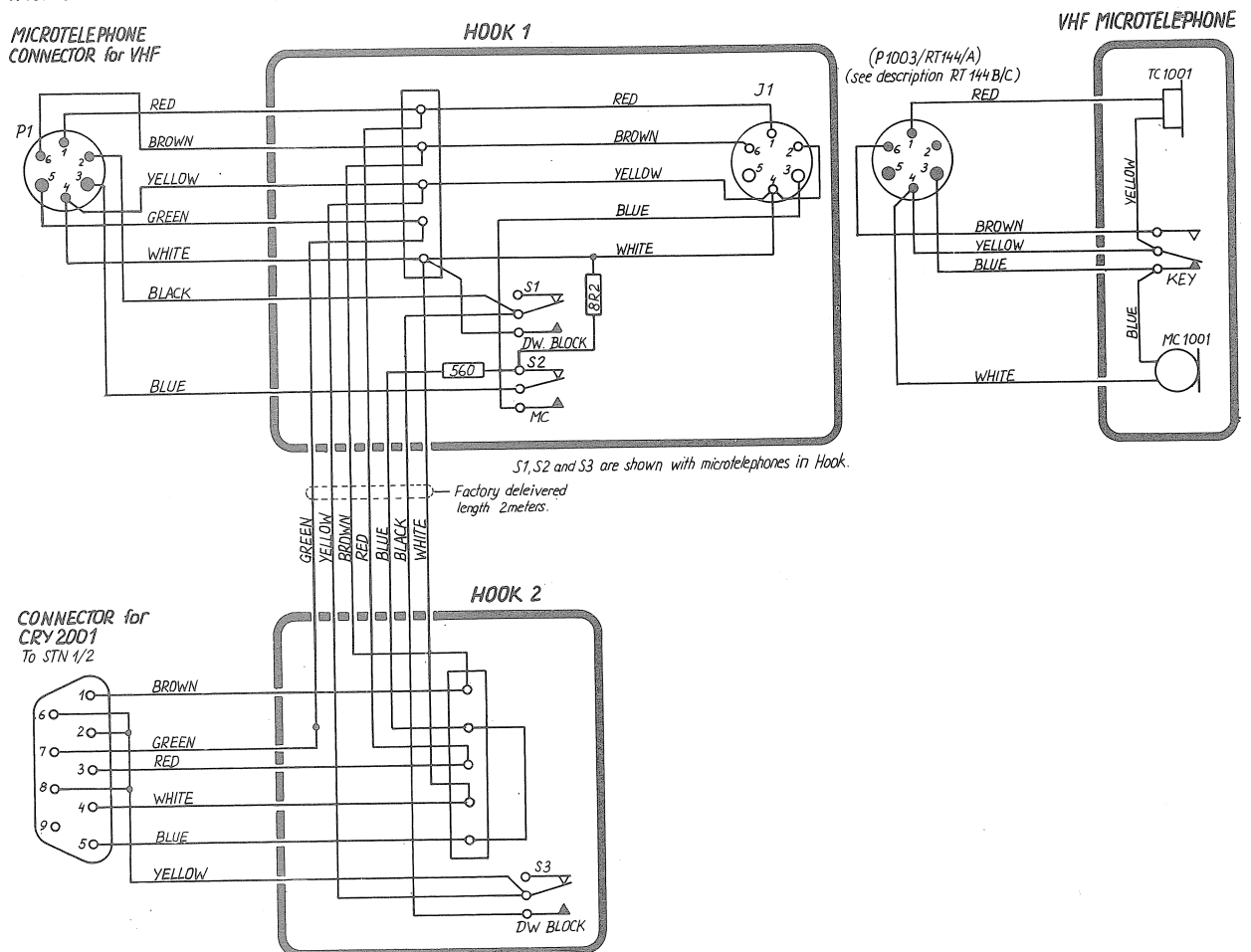
# INSTALLATION OF H238 HANDSET ASSEMBLY AND DISTRESS DECODER

**RT144/A** Remove the old hook for the VHF and place Hook 1 from H238 instead. Place Hook 2 for CRY2001 handset near CRY2001. Connect microtelephone connector (P1) to the microtelephone socket (J1003) on the VHF and (P1003) to (J1) on Hook 1. The D-connector from Hook 2 must be connected to CRY2001 (stn 1 or stn 2).

**RT144 B/C** Remove the old hook for the VHF and place Hook 1 from H238 instead. Disconnect the handset with wire and the plug (P1003) from the earlier installation. Connect the handset and connector (P1003) as shown in the diagram: Microtelephone from VHF. Connect microtelephone connector (P1) to socket (J1003) on VHF and the earlier (P1003) to (J1) on Hook 1. The D-connector from Hook 2 must be connected to CRY2001 (stn 1 or stn 2).

NB! The resistors in hook 1 are selected, assuming the VHF set has the microphone sensitivity:  $V_{in} = 4 \text{ mV}_{RMS}$  to give  $\Delta f \pm 3 \text{ kHz}$ ,  $f_m 1 \text{ kHz}$ .

## INSTALLATION OF RT144/A/B/C WITH CRY2001 and H238 HANDSET ASSEMBLY AND DISTRESS DECODER.

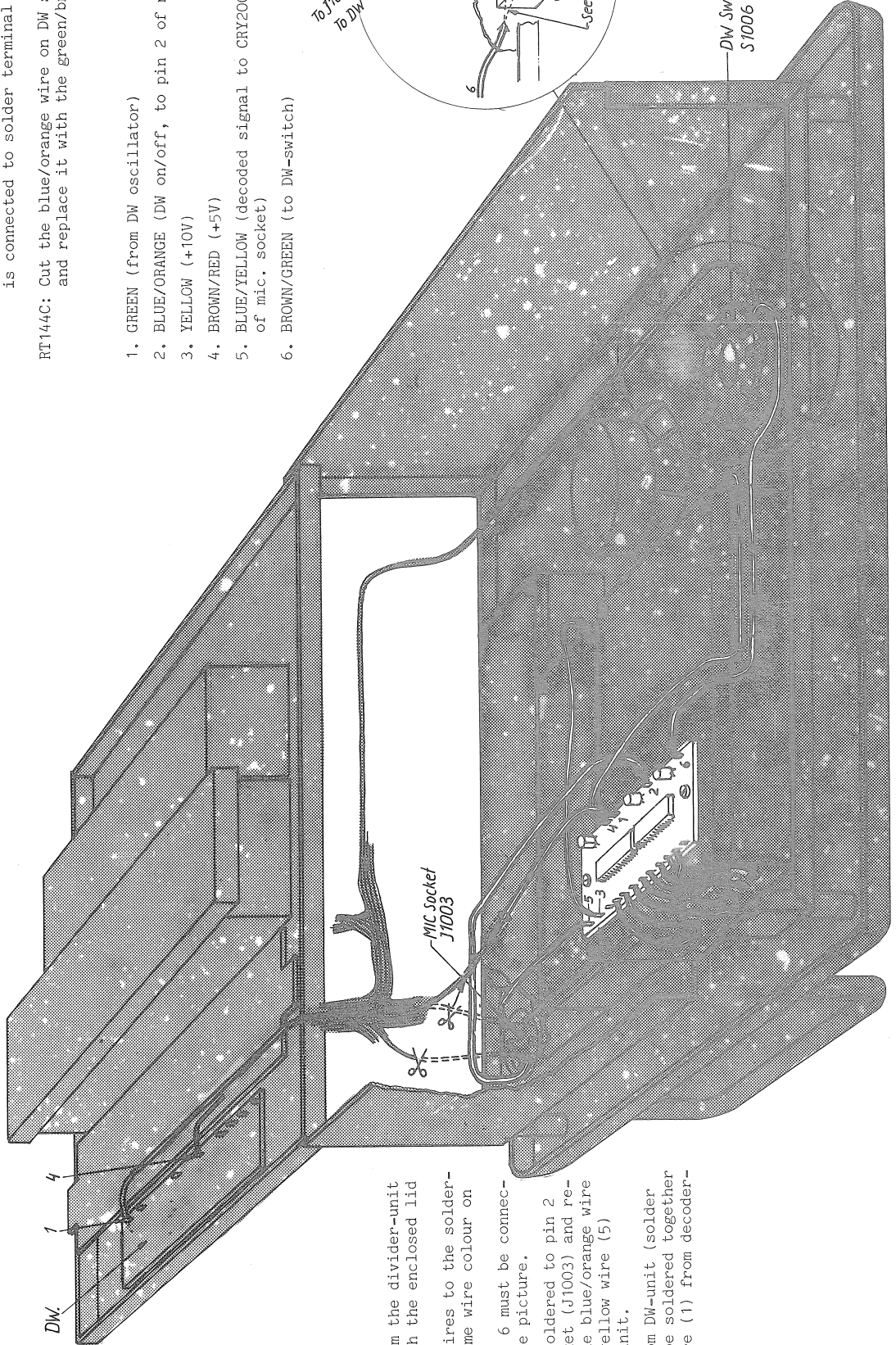


# INSTALLATION OF DISTRESS DECODER IN RT144 B/C

RT144B: Cut the green wire on DW switch (S1006) ear-lier leading to mic. socket J1003 and replace it with the green/brown wire (6). Control that the other green wire on DW switch is connected to solder terminal 4 of DW-unit.

RT144C: Cut the blue/orange wire on DW switch (S1006) and replace it with the green/brown wire (6).

1. GREEN (from DW oscillator)
2. BLUE/ORANGE (DW on/off, to pin 2 of mic. socket)
3. YELLOW (+10V)
4. BROWN/RED (+5V)
5. BLUE/YELLOW (decoded signal to CRY2001, pin 5 of mic. socket)
6. BROWN/GREEN (to DW-switch)



**MODIFICATION:**

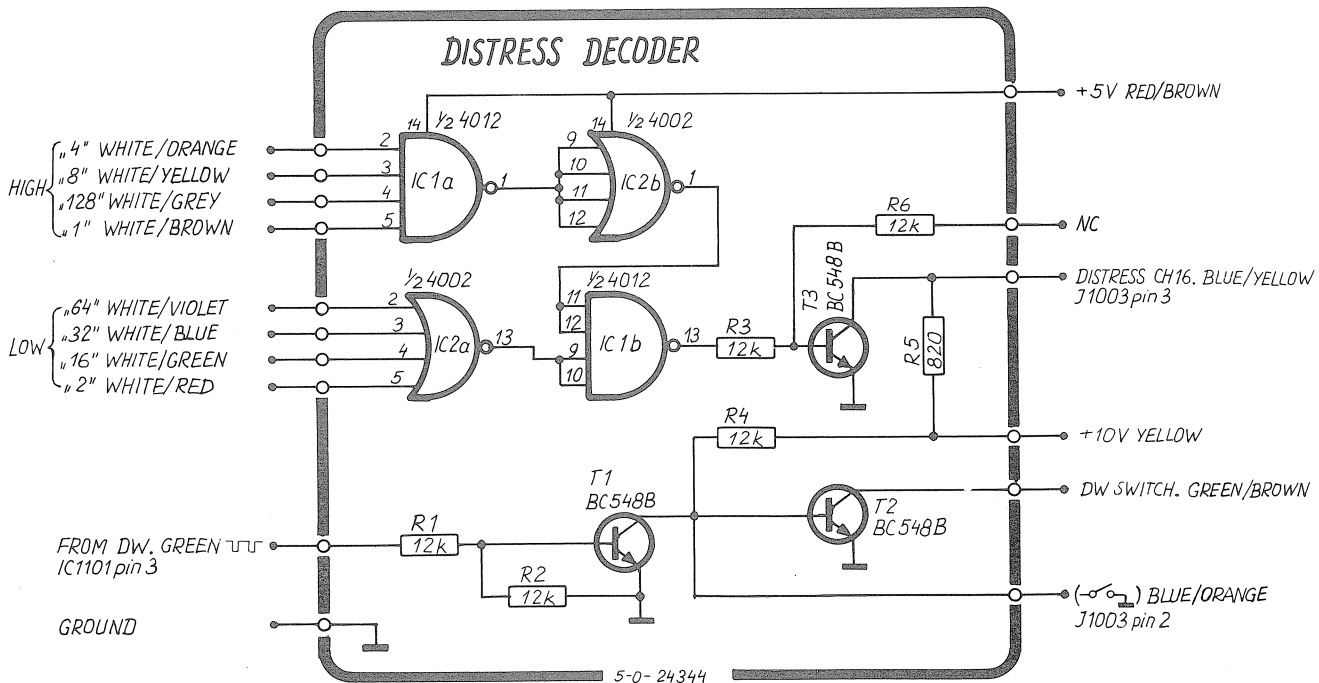
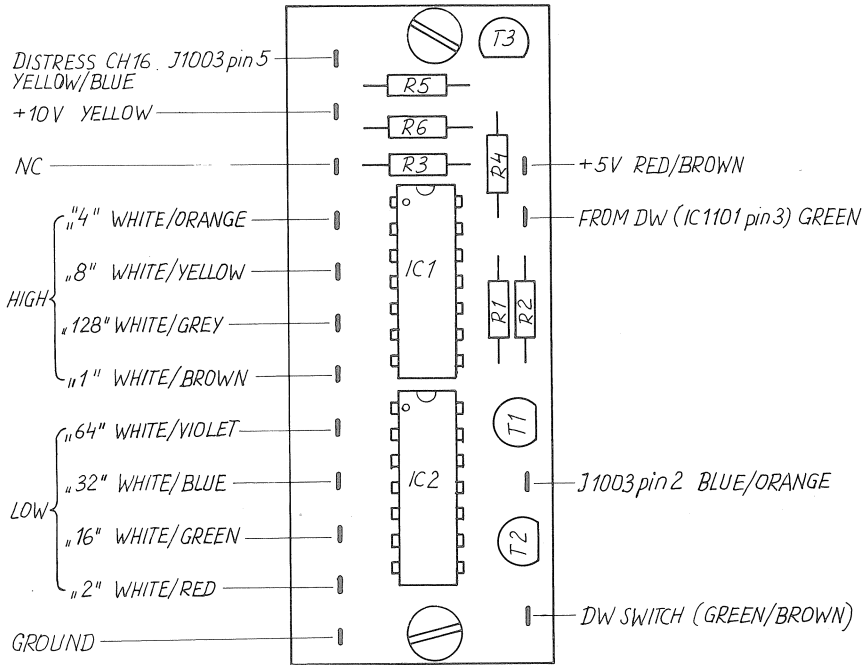
Remove the lid from the divider-unit and replace it with the enclosed lid with printboard. Solder the 8 codewires to the solder-points with the same wire colour on the divider-unit. The wires Nos 1 to 6 must be connected as shown on the picture.

Remove the wires soldered to pin 2 and 5 on mic. socket (J1003) and replace them with the blue/orange wire (2) and the blue/yellow wire (5) from the decoder-unit.

The green wire from DW-unit (solder terminal 1) must be soldered together with the green wire (1) from decoder-unit.



# COMPONENT LOCATION AND DIAGRAM FOR H238 DISTRESS DECODER



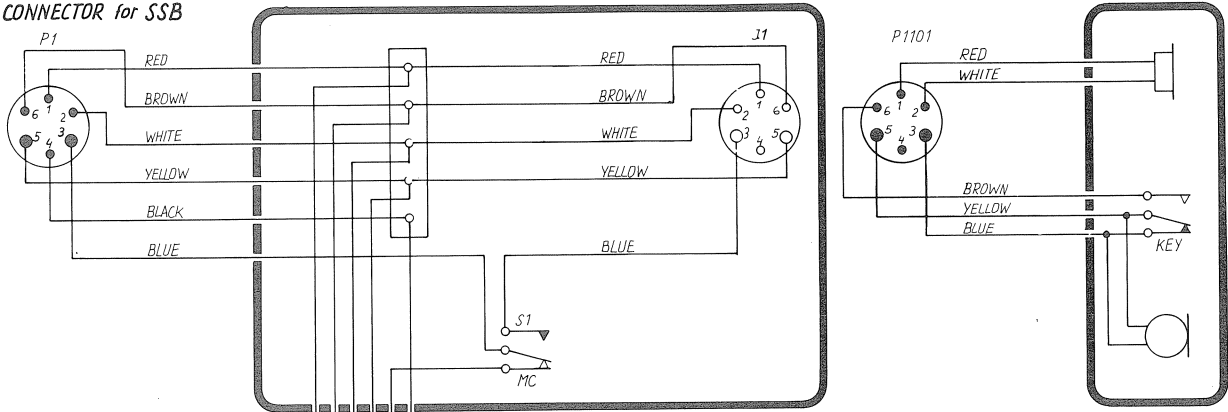
# H240 HANDSET ASSEMBLY

INSTALLATION OF T121, T122, T124, T126 or T128 WITH CRY2001 and H240 HANDSET ASSEMBLY

MICROTELEPHONE  
CONNECTOR for SSB

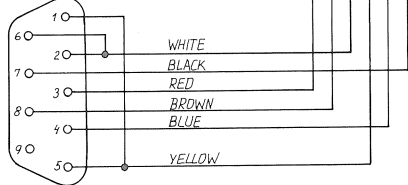
HOOK 1

SSB MICROTELEPHONE



S1 shown with microtelephone in Hook.

CONNECTOR for  
CRY 2001  
To STN 1/2



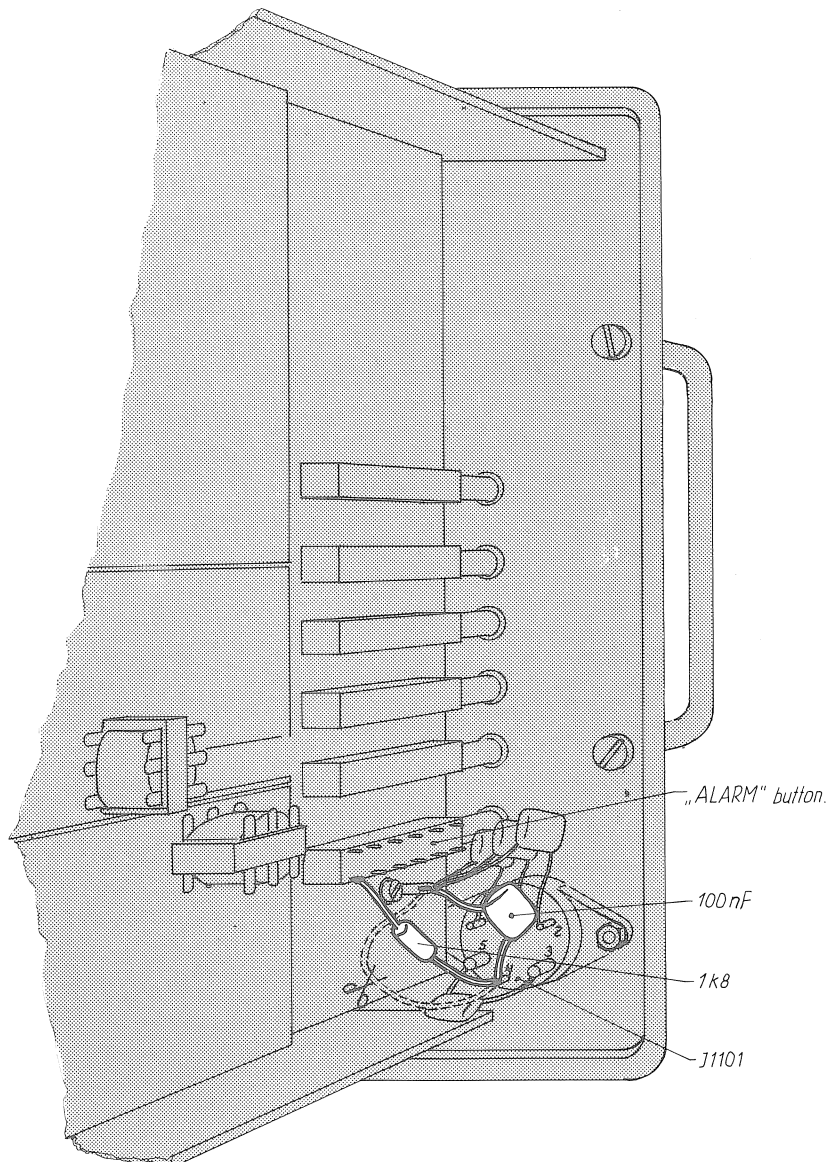
CRY2001 INTERFACE

# H240 HANDSET ASSEMBLY

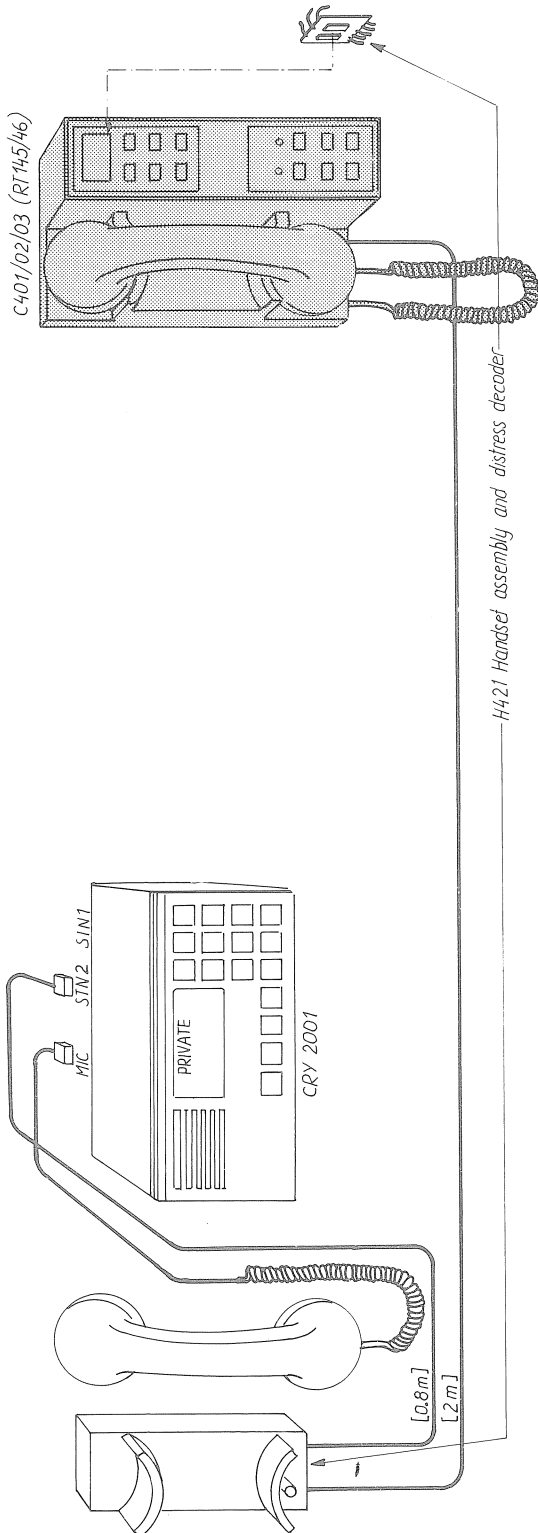
## DISTRESS OUTPUT IN T121/T124/T126/T128 FOR CRY2001/H240 HANDSET ASSEMBLY

### MODIFICATION

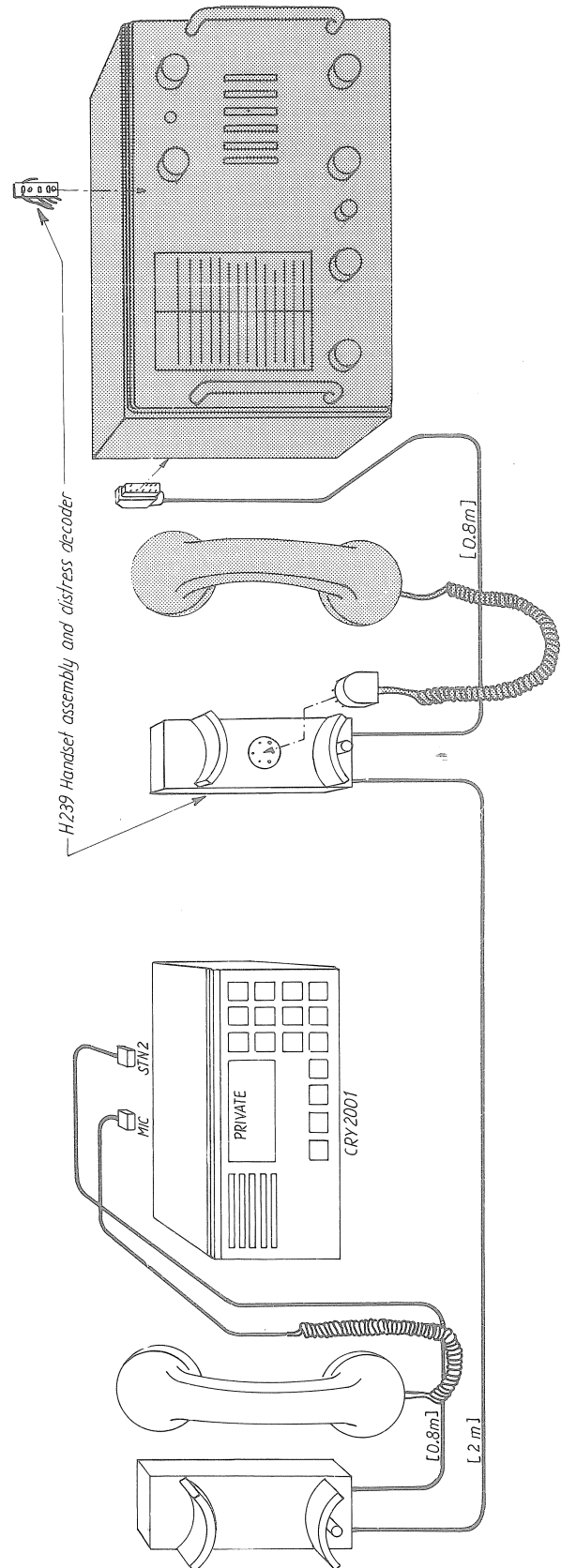
1. Remove the bypass capacitors together with the ground wire from pin No. 4 of J1101 and solder the capacitors to the ground point at chassis.
2. Solder a 1.8 kohm resistor from the push button "ALARM" to pin 4 of J1101 as shown. Solder also the 0.1 uF capacitor from pin 4 to the ground point.



H421 HANDSET ASSEMBLY AND  
DISTRESS DECODER FOR:  
INTERCONNECTION TO VHF CON-  
TROL UNIT C401/2/3



H239 HANDSET ASSEMBLY AND  
DISTRESS DECODER FOR:  
INTERCONNECTION TO VHF RT143

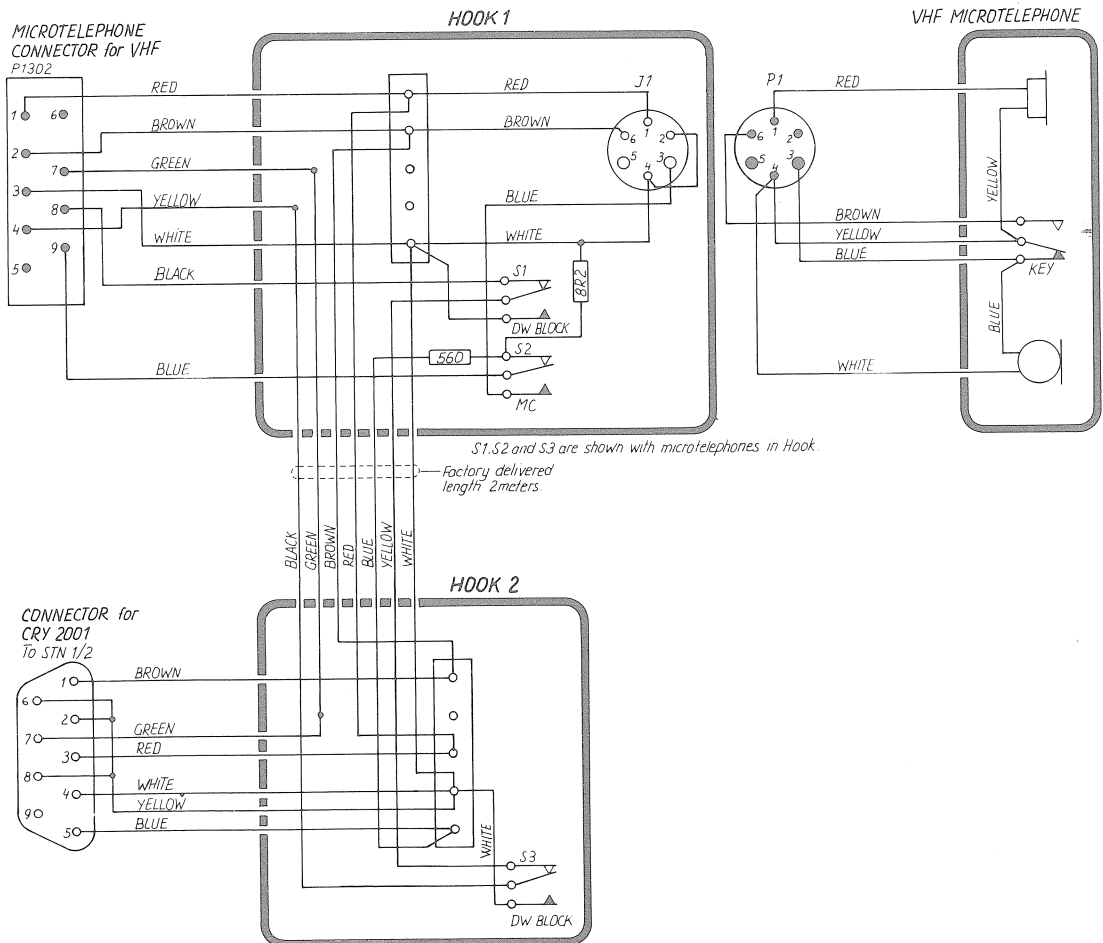


# INSTALLATION OF H239 HANDSET ASSEMBLY AND DISTRESS DECODER

1. Remove the old hook for RT143 and place Hook 1 from H239 instead.
2. Disconnect the handset with wire from the earlier installation.
3. Connect the handset and connector P1 as shown on the diagram for VHF MICROTTELEPHONE.
4. Connect microtelephone connector P1302 to socket J1302 on VHF.
5. Place Hook 2 for CRY2001 handset near CRY2001.
6. The D-connector from hook 2 must be be connected to CRY2001 (Stn 1 or Stn 2).

NB The resistors in hook 1 are selected, assuming the VHF has the microphone sensitivity:  $V_{in} = 4mV_{RMS}$  to give  $\Delta f = \pm 3 \text{ kHz}$ ,  $f_m = 1 \text{ kHz}$ .

## INSTALLATION OF RT143 WITH CRY2001 and H239 HANDSET ASSEMBLY AND DISTRESS DECODER.

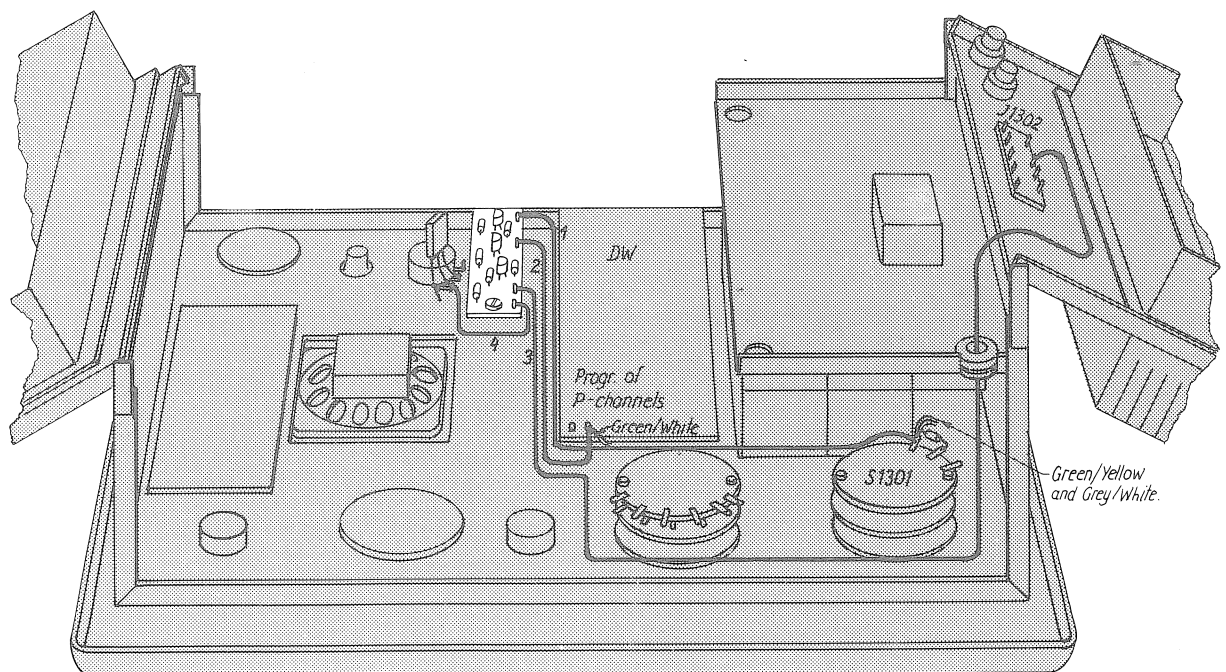


# H239 HANDSET ASSEMBLY AND DISTRESS DECODER

## INSTALLATION OF DISTRESS DECODER IN RT143 FOR CRY2001/H239 HANDSET ASSEMBLY

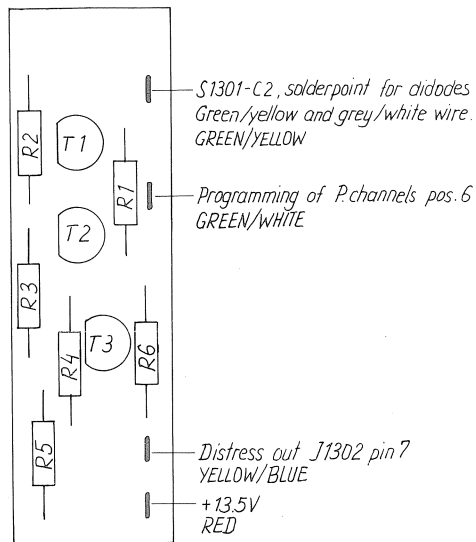
### MODIFICATION

1. The pcb with the distress decoder has to be placed to the left side of the Dual Watch module, see picture. If the place is used the pcb with the distress decoder can be placed on the other pcb by using the long screws and 2 distance pieces in both ends.
2. Solder the green/yellow wire (no. 1) to the soldering point on S1301-C2, where two diodes are soldered together with a green/yellow and a grey/white wire.
3. Solder the green/white wire (no. 2) to the pcb with Programming of P-channels pos. 6.
4. Solder the Distress out wire (no. 3) yellow/blue to microtelephone socket J1302 pin 7.
5. Solder the 13,5V wire (no. 4) red to either the collector of the dimmer transistor together with the blue/grey wire or in earlier sets to the dimmer potentiometer R1307 where the 13,5V wire is soldered to.

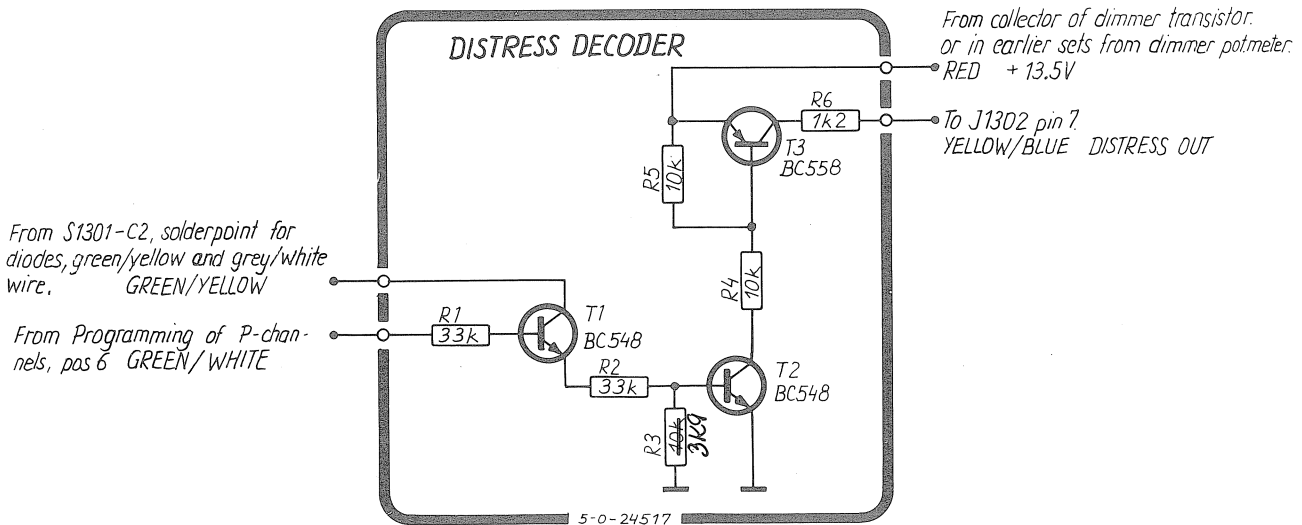


Green/Yellow  
and Grey/White.

# COMPONENT LOCATION AND DIAGRAM FOR H239 DISTRESS DECODER

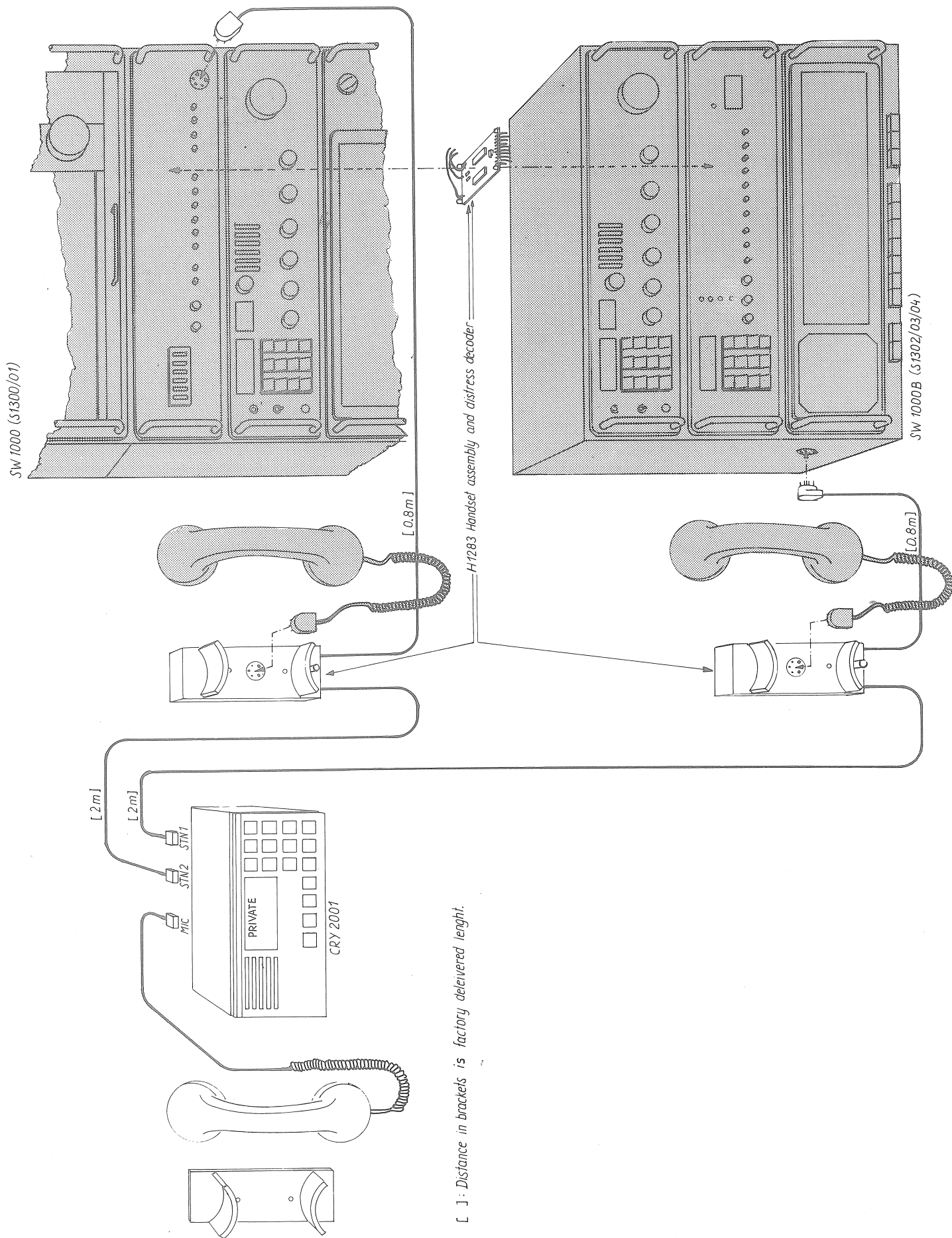


CRY 2001



H1283 HANDSET ASSEMBLY AND DISTRESS DECODER FOR:  
 INTERCONNECTION TO SHORT WAVE PROGRAMME 1000/1000/B

CRY2001 INTERFACE

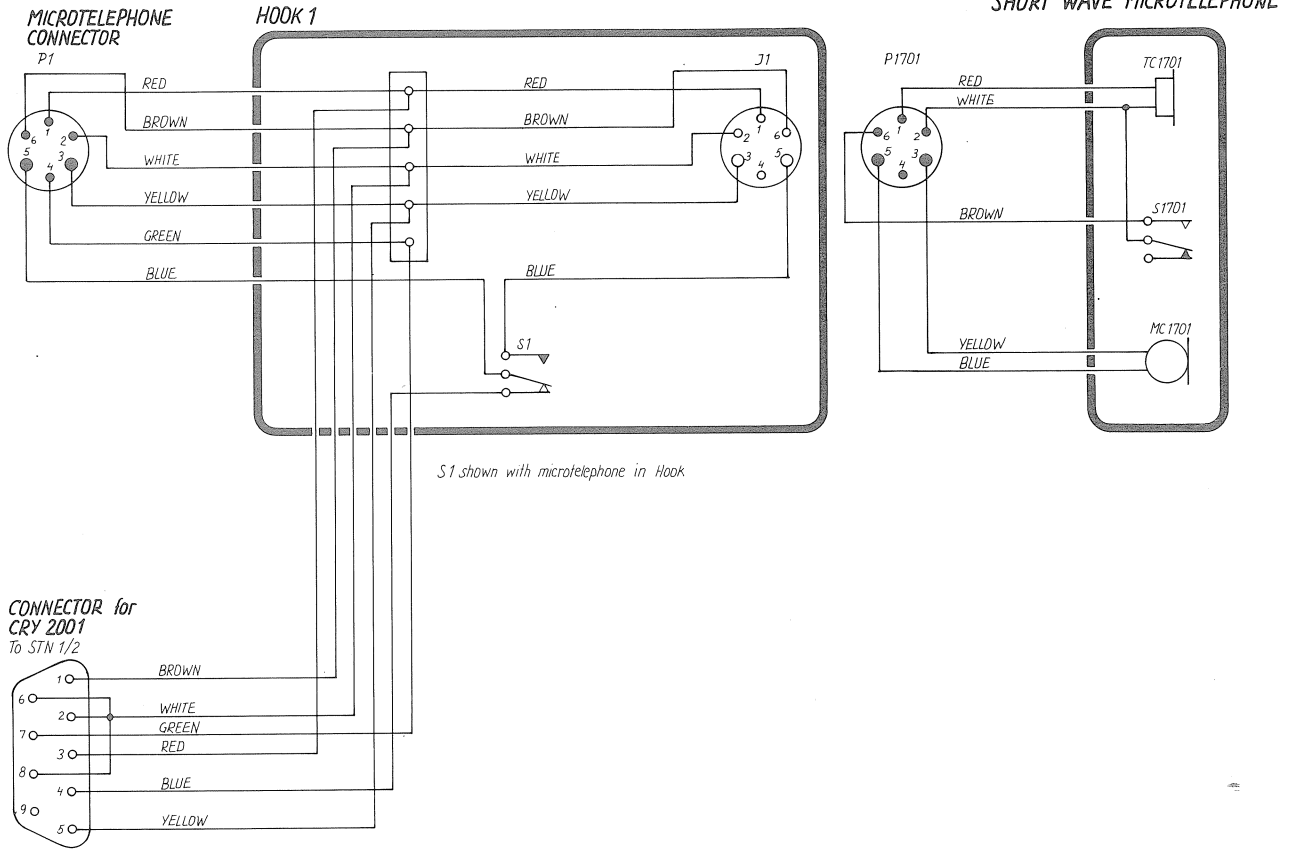


[ ] - Distance in brackets is factory delivered length.



# H1283 HANDSET ASSEMBLY AND DISTRESS DECODER

INSTALLATION OF S1300/01/02/03/04/ WITH CRY2001 and H1283 HANDSET ASSEMBLY



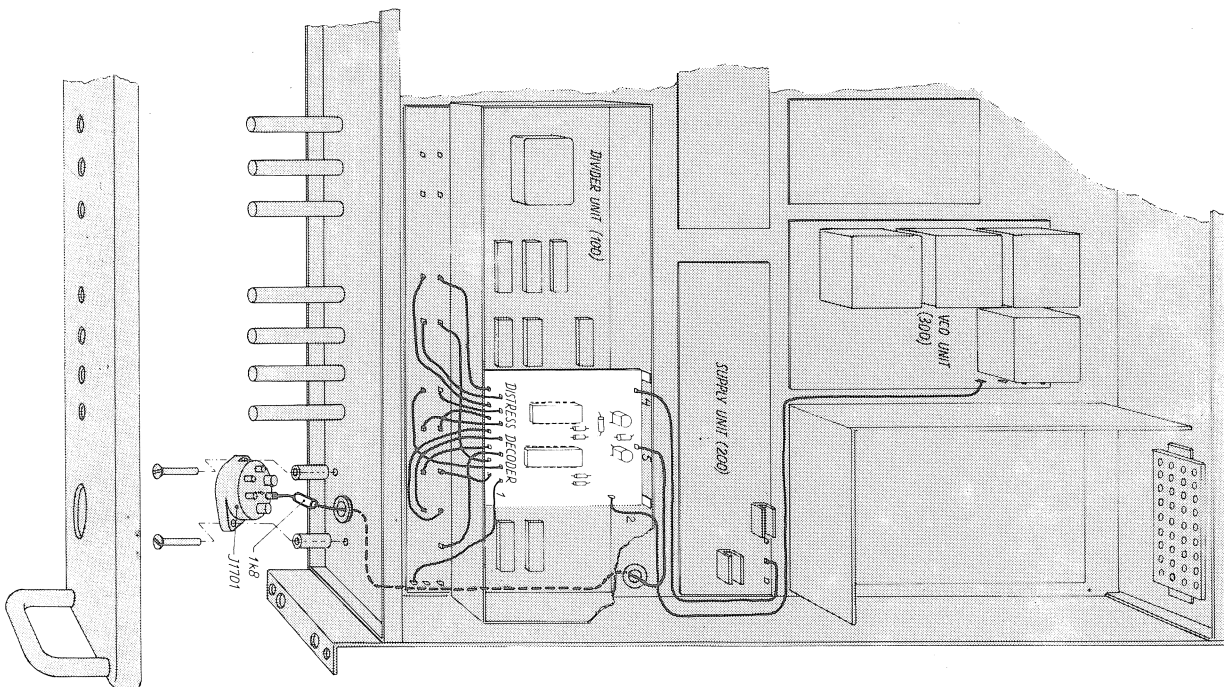
CRY2001 INTERFACE

# H1283 HANDSET ASSEMBLY AND DISTRESS DECODER

## INSTALLATION OF DISTRESS DECODER IN S1300/O1 FOR CRY2001/H1283 HANDSET ASSEMBLY

### MODIFICATION

1. The pcb with the distress decoder has to be soldered into the DIVIDER UNIT (100).
2. Solder the 13 code wires to the solder points on the divider pcb (same colour to the same colour).
3. Solder 5V wire No. 1 (violet) to the violet wire on the divider pcb.
4. Solder the VCO 2-4 MHz wire No. 2 (red/white) to the red/white wire at the VCO 2-4 MHz (300).
5. Solder the 22V wire No. 4 (blue/white) to the blue/white wire on the +/- 18V supply unit (200).
6. Solder the distress wire No. 5 (yellow/blue) to microtelephone jack J1701 pin No. 4 with 1.8 kohm on pin No. 4.

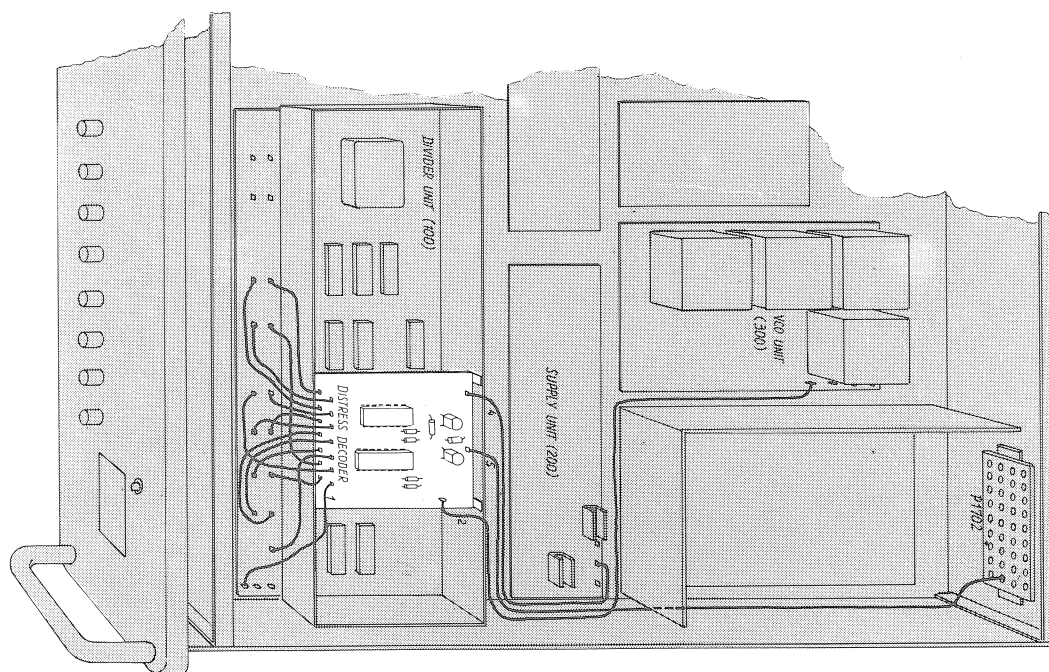


# H1283 HANDSET ASSEMBLY AND DISTRESS DECODER

## INSTALLATION OF DISTRESS DECODER IN S1302/03/04 FOR CRY2001/H1283 HANDSET ASSEMBLY

### MODIFICATION

1. The pcb with the distress decoder has to be soldered into the DIVIDER UNIT (100).
2. Solder the 13 code wires to the solder points on the divider pcb (same colour to the same colour).
3. Solder 5V wire No. 1 (violet) to the violet wire on the divider pcb.
4. Solder the VCO 2-4 MHz wire No. 2 (red/white) to the red/white at the VCO 2-4 MHz (300).
5. Solder the 22V wire No. 4 (blue/white) to the blue/white wire on the +/- 18V supply unit (200).
6. Insert the distress wire No. 5 (yellow/blue) in plug No. P1702 pin No. 35.

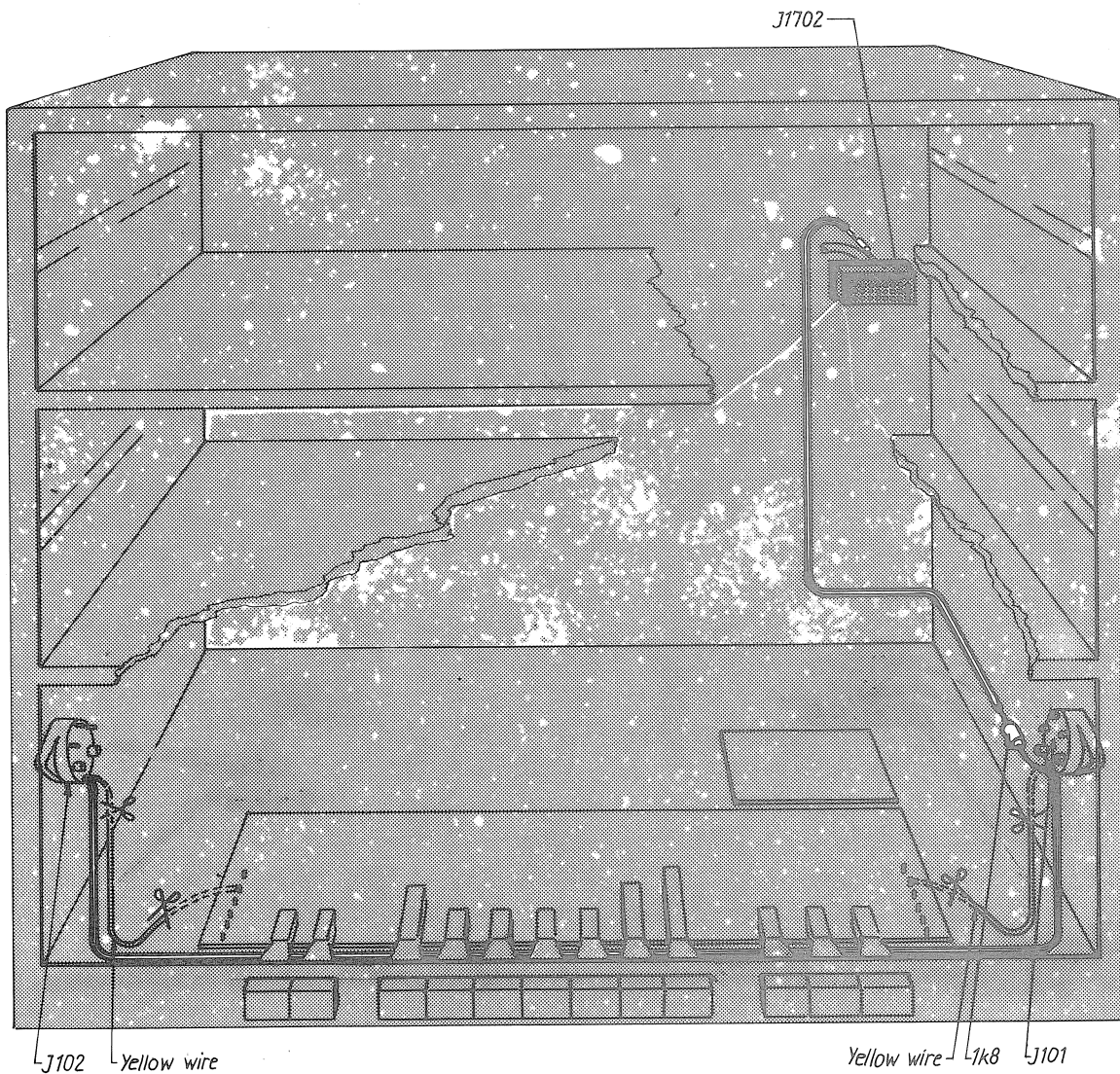


7. In rack H1235:

Insert a yellow/blue wire in jack J1702 pin No. 35 and guide the wire into the microtelephone jack J101 pin No. 4 with 1.8 kohm on pin No. 4. Remove the yellow wire (22V) from both the jack J101 and the aerial switch pcb.

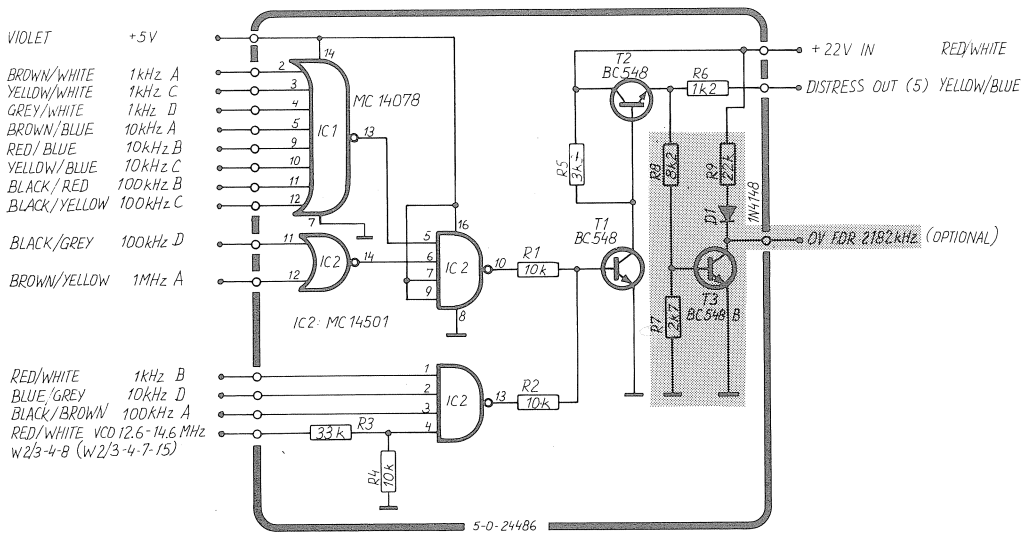
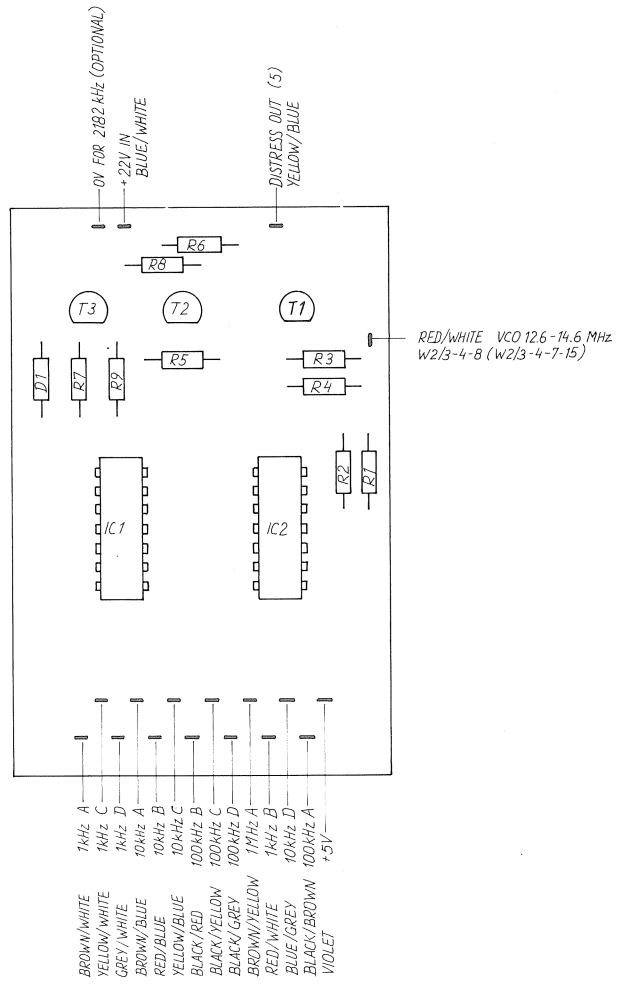
8. In rack H1235:

Solder a yellow/blue wire between jack J101 pin No. 4 and jack J102 pin No. 4. Remove the yellow wire (22) from both the jack J101 and the aerial switch pcb.

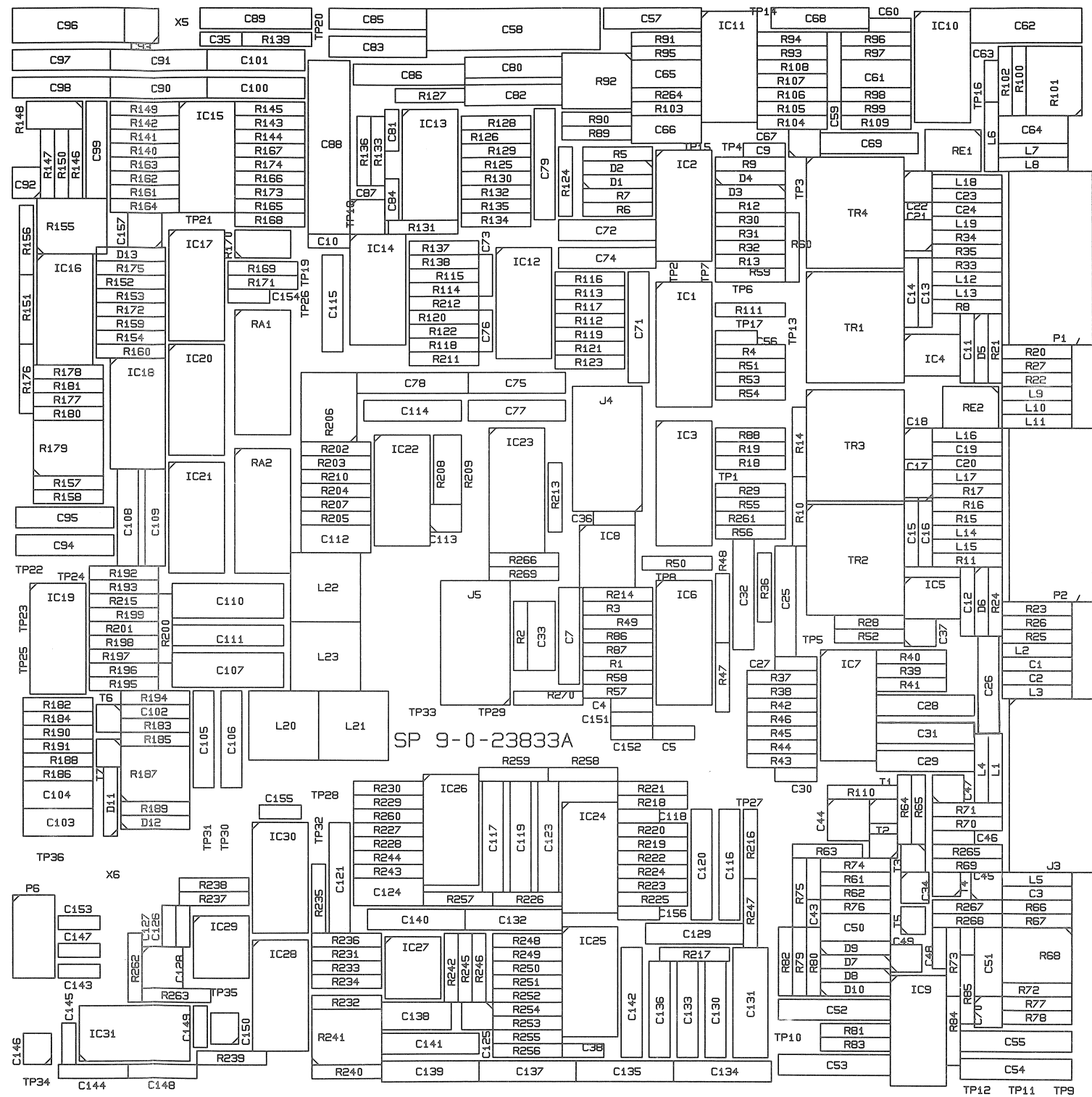


# COMPONENT LOCATION AND DIAGRAM FOR H1283 DISTRESS DECODER

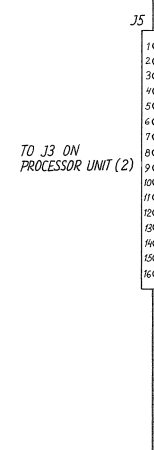
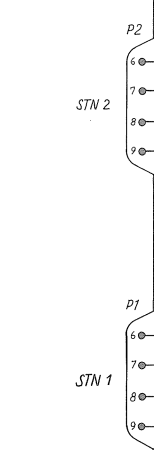
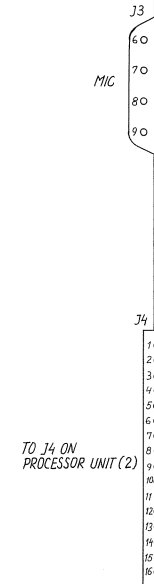
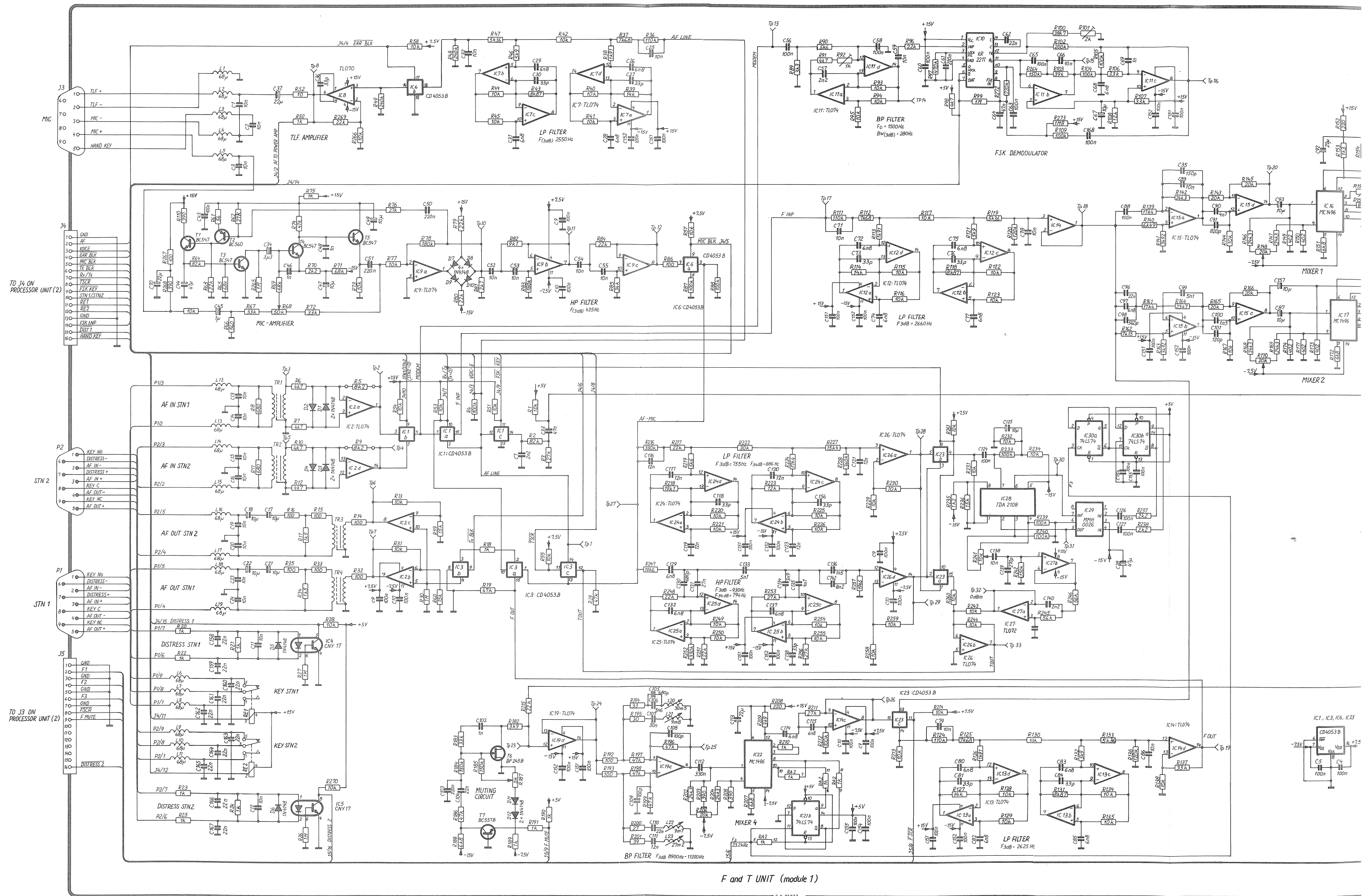
CRY2001 INTERFACE





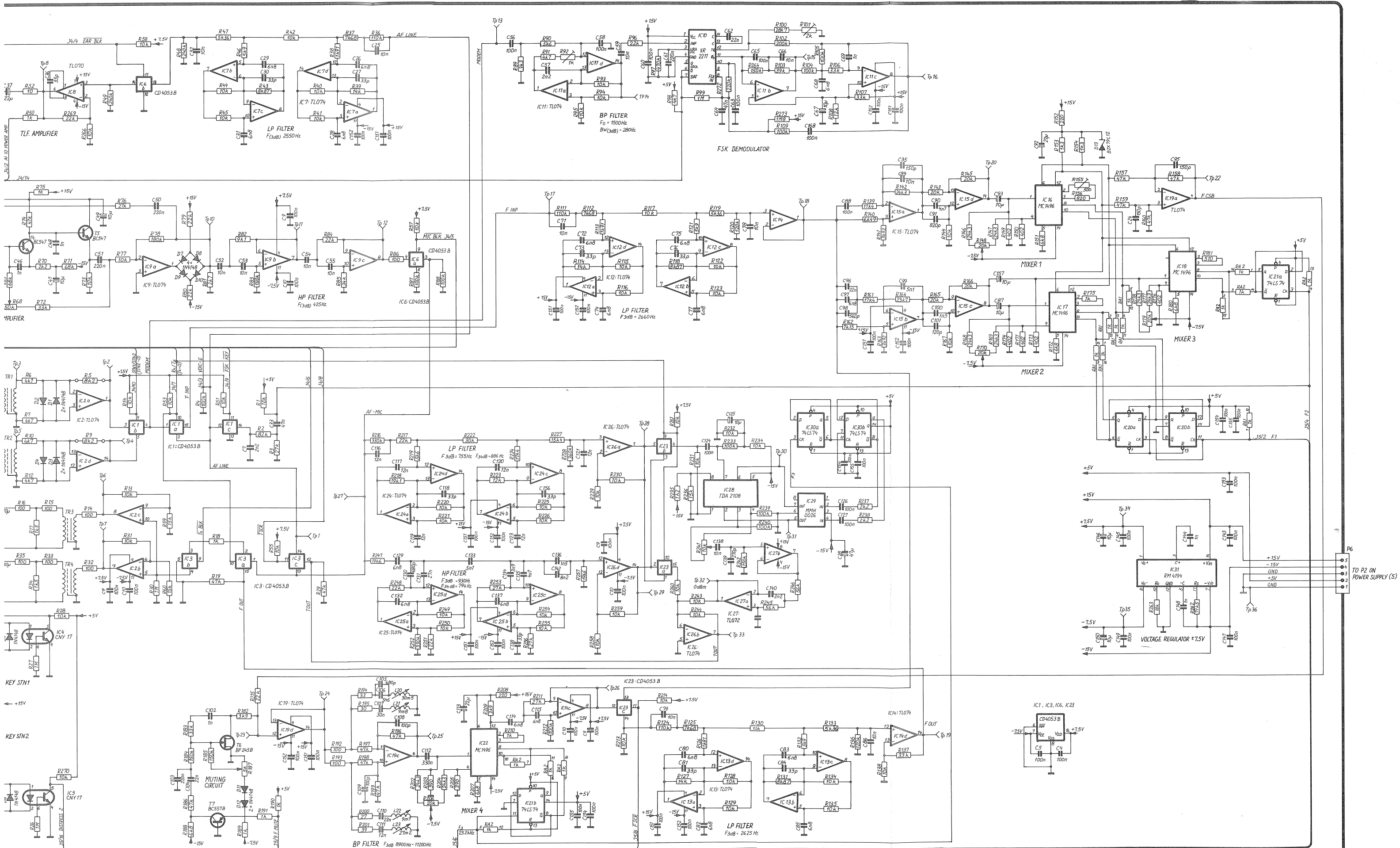


LYX 2001



F and T UNIT (module 1)

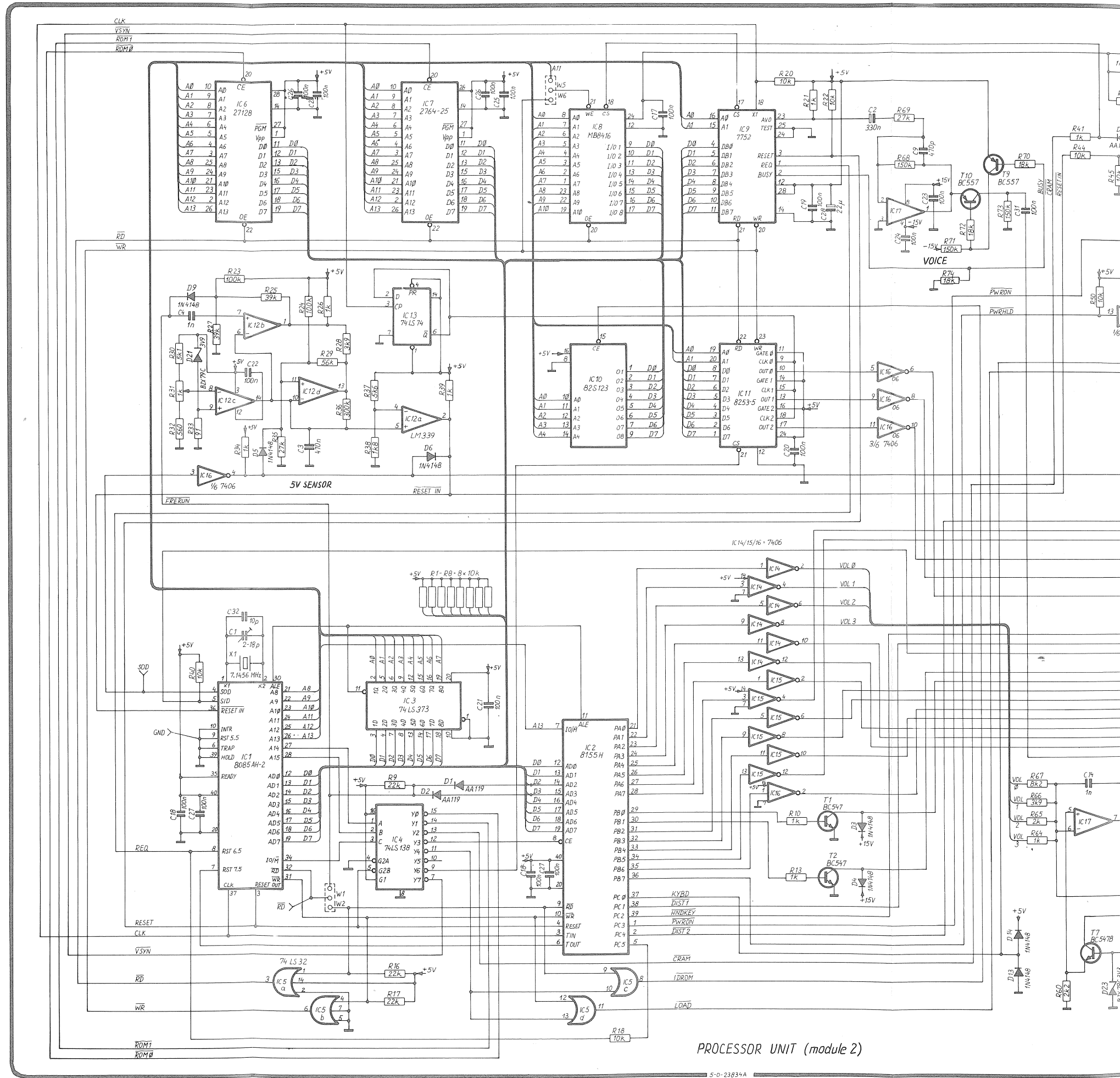
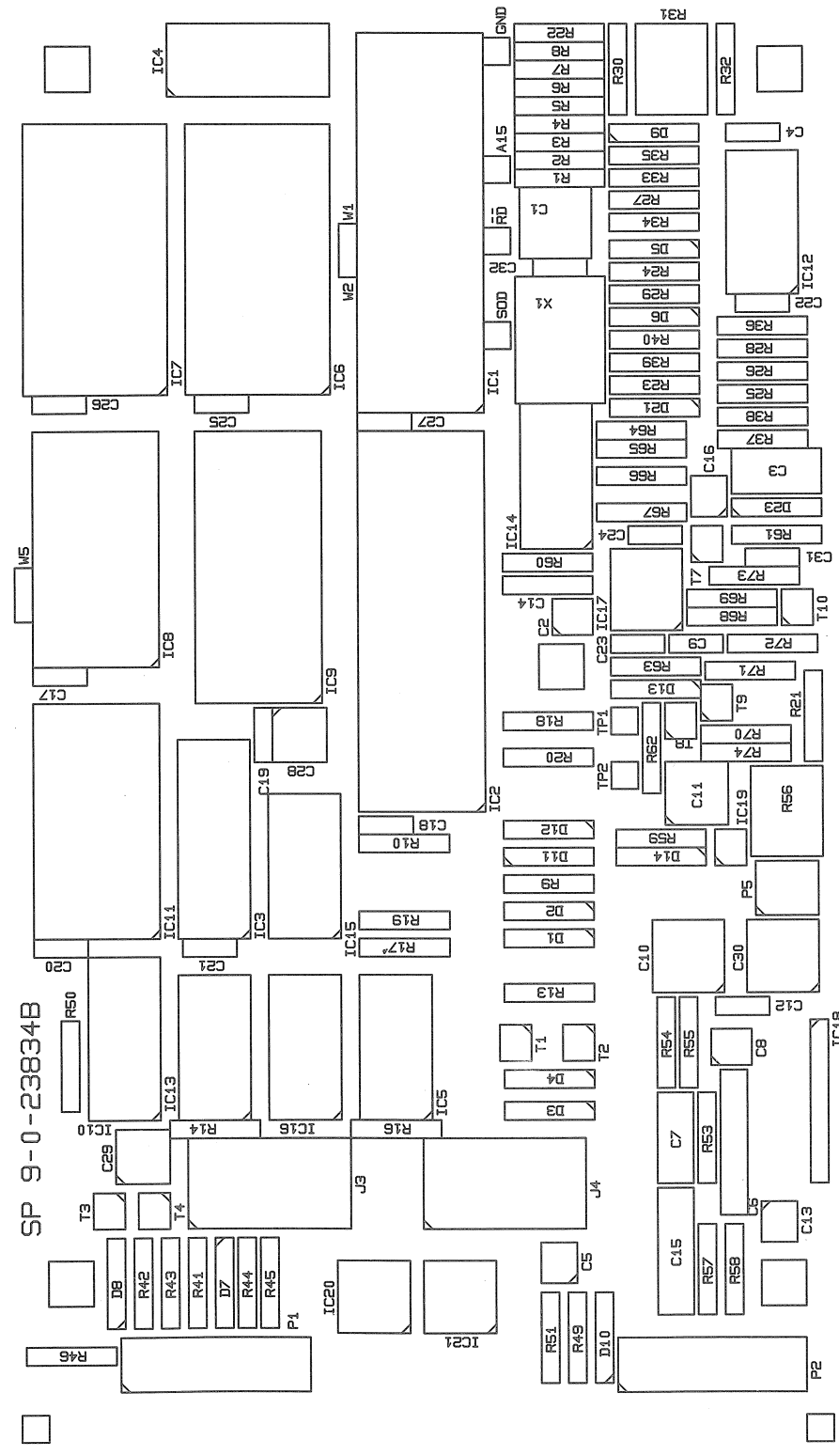




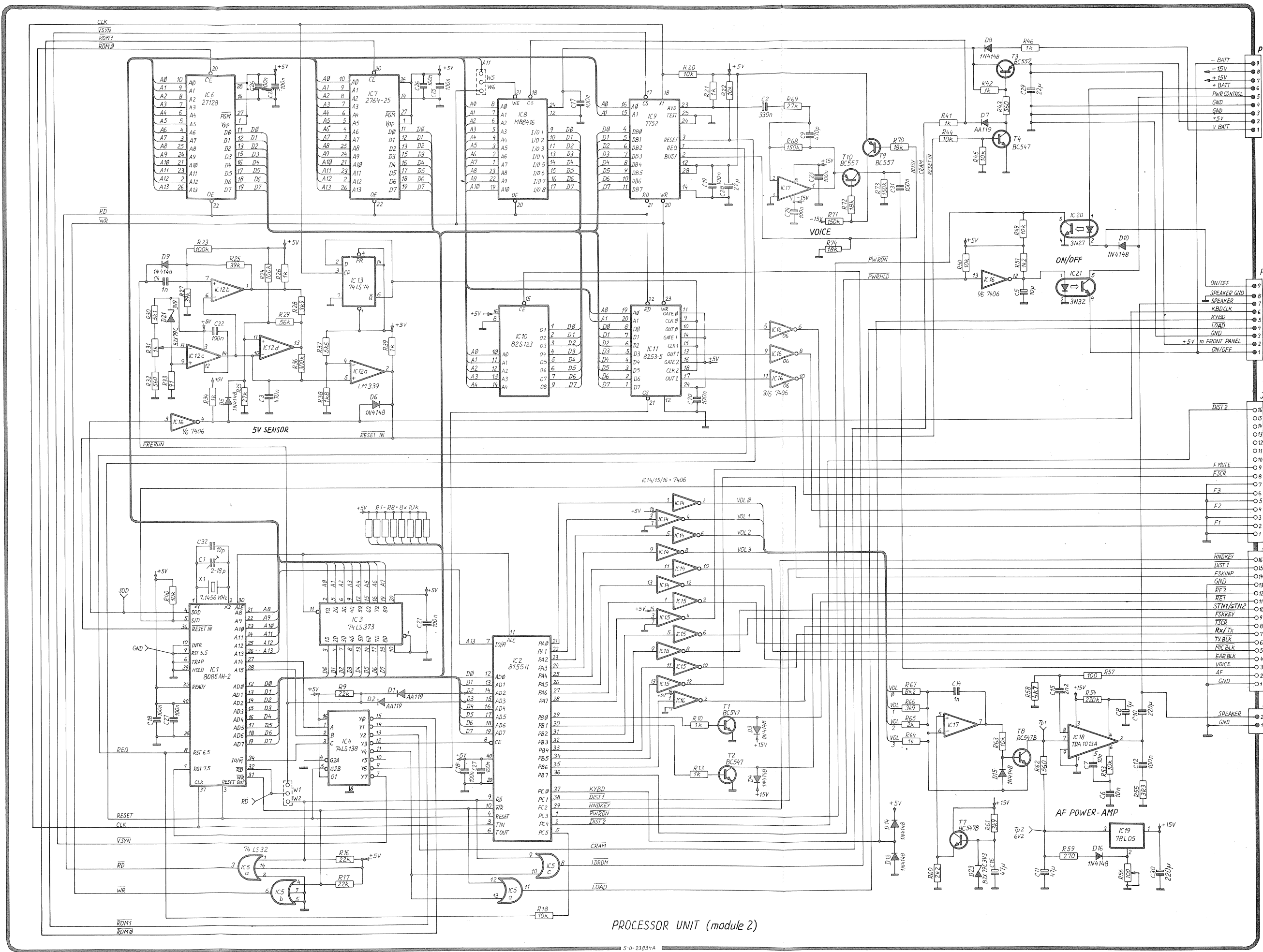
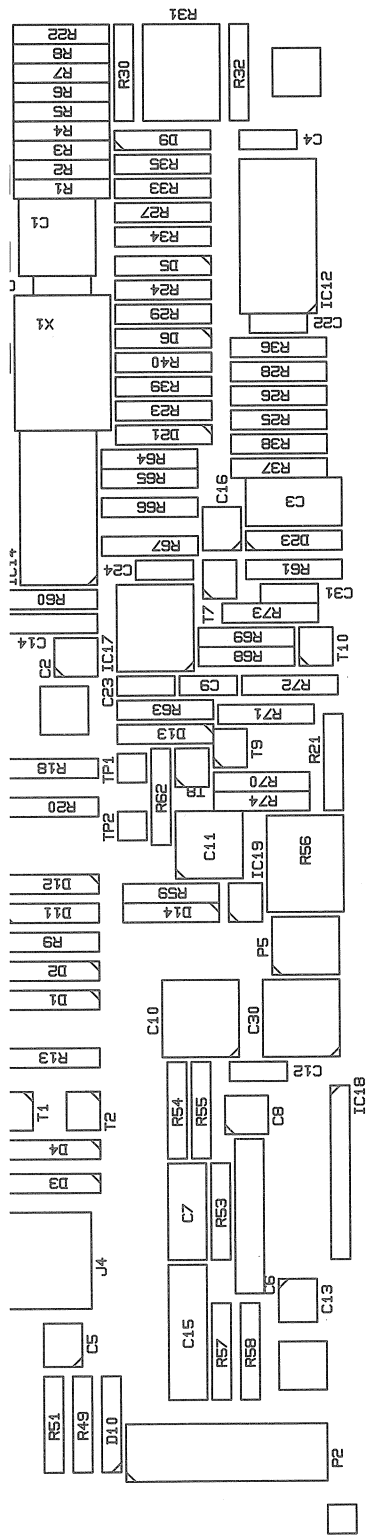
F and T UNIT (module 1)

S-O-29833

SP 9-0-23834B



PROCESSOR UNIT (module 2)



PROCESSOR UNIT (module 2)

5-0-23834A

PROCESSOR UNIT MODULE 2

TO P1 on POWER SUPPLY (5)

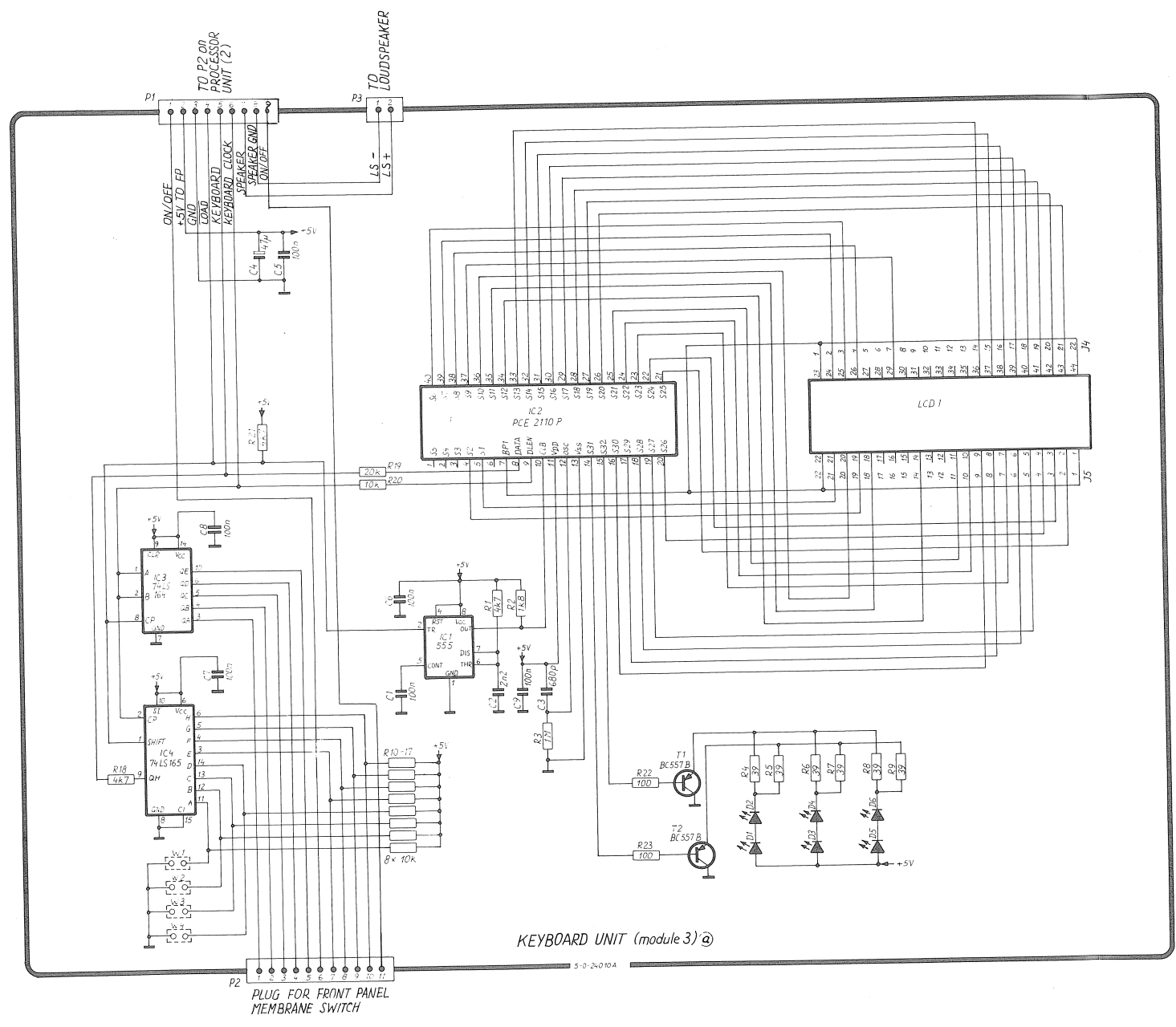
TO P1 on KEYBOARD UNIT (3)

TO J5 on F and T UNIT (1)

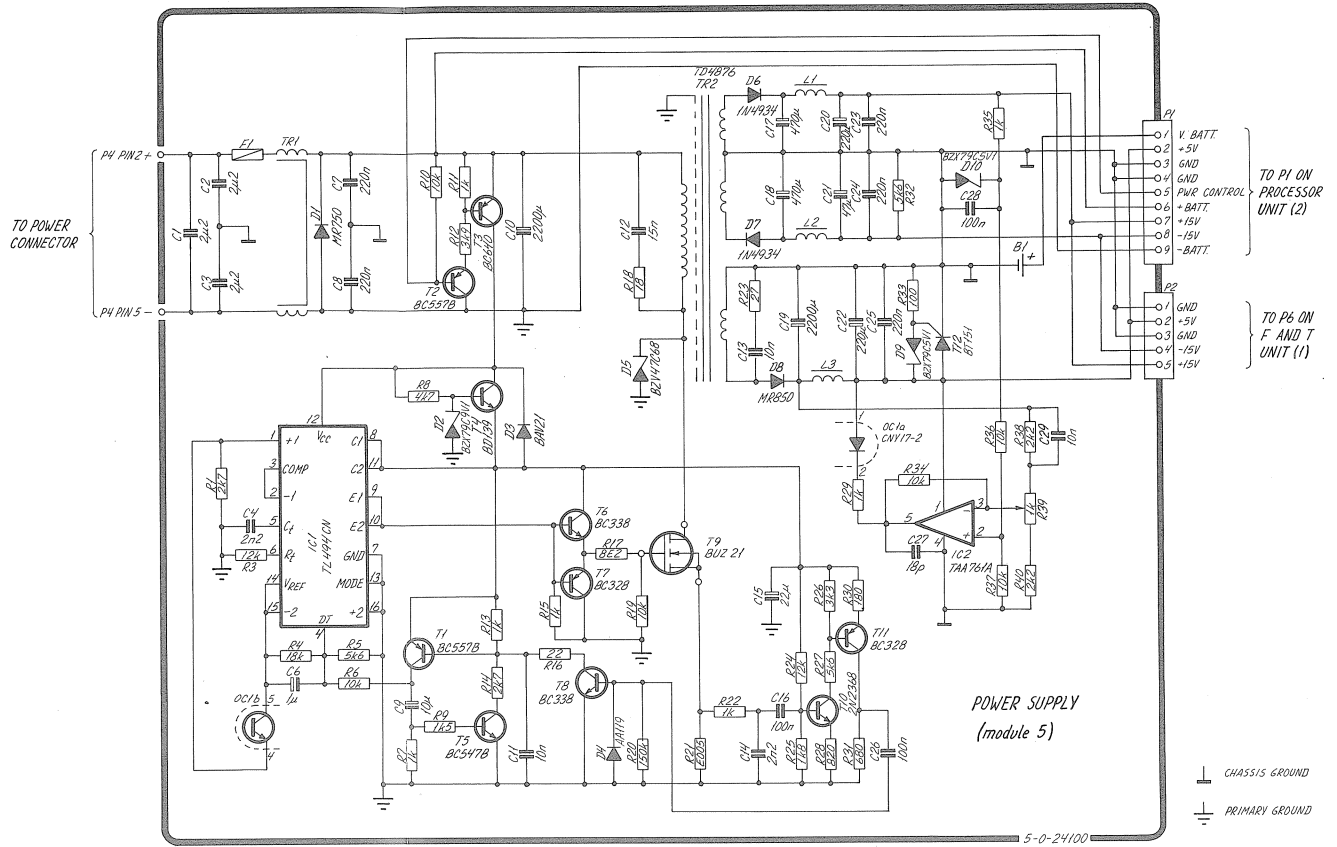
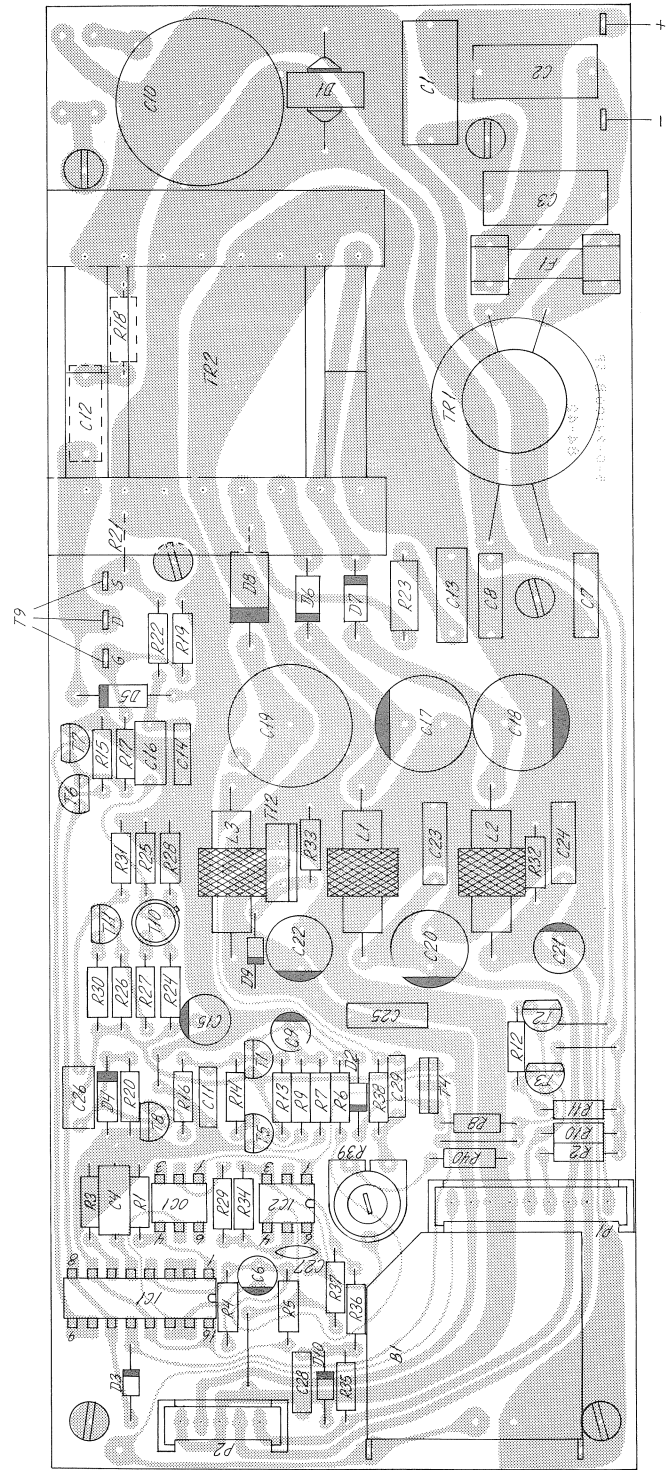
TO J4 on F and T UNIT (1)

TO P4 POWER CONNECTOR

CRY 2001



KEYBOARD UNIT MODULE 3



POWER SUPPLY MODULE 5

POSITION	DESCRIPTION	MANUFACTOR	TYPE	S.P.NUMBER	
F & T UNIT	MODULE 1	ESPERA	PRINT NR 5-0-23833	600102	
C1-1	CAPACITOR CERAMIC	10nF -20/+80% 50V	KCK	HE70SJYF103Z	15.170
C2-1	CAPACITOR CERAMIC	10nF -20/+80% 50V	KCK	HE70SJYF103Z	15.170
C3-1	CAPACITOR CERAMIC	10nF -20/+80% 50V	KCK	HE70SJYF103Z	15.170
C4-1	CAPACITOR CERAMIC	100nF -20/+80% 63V	AVX	SR215E104ZAA	15.250
C5-1	CAPACITOR CERAMIC	100nF -20/+80% 63V	AVX	SR215E104ZAA	15.250
C7-1	CAPICITOR POLYSTYRENE	2.2nF 1% 63V	PHILIPS	2222 424 42202	10.209
C9-1	CAPACITOR CERAMIC	100nF -20/+80% 63V	AVX	SR215E104ZAA	15.250
C10-1	CAPACITOR CERAMIC	100nF -20/+80% 63V	AVX	SR215E104ZAA	15.250
C11-1	CAPACITOR CERAMIC	10nF -20/+80% 50V	KCK	HE70SJYF103Z	15.170
C12-1	CAPACITOR CERAMIC	10nF -20/+80% 50V	KCK	HE70SJYF103Z	15.170
C13-1	CAPACITOR CERAMIC	10nF -20/+80% 50V	KCK	HE70SJYF103Z	15.170
C14-1	CAPACITOR CERAMIC	10nF -20/+80% 50V	KCK	HE70SJYF103Z	15.170
C15-1	CAPACITOR CERAMIC	10nF -20/+80% 50V	KCK	HE70SJYF103Z	15.170
C16-1	CAPACITOR CERAMIC	10nF -20/+80% 50V	KCK	HE70SJYF103Z	15.170
C17-1	CAPACITOR ELECTROLYTIC	10uF 20% 35V	* ERO	EK100AA210F	14.512
C18-1	CAPACITOR ELECTROLYTIC	10uF 20% 35V	* ERO	EK100AA210F	14.512
C19-1	CAPACITOR CERAMIC	10nF -20/+80% 50V	KCK	HE70SJYF103Z	15.170
C20-1	CAPACITOR CERAMIC	10nF -20/+80% 50V	KCK	HE70SJYF103Z	15.170
C21-1	CAPACITOR ELECTROLYTIC	10uF 20% 35V	* ERO	EK100AA210F	14.512
C22-1	CAPACITOR ELECTROLYTIC	10uF 20% 35V	* ERO	EK100AA210F	14.512
C23-1	CAPACITOR CERAMIC	10nF -20/+80% 50V	KCK	HE70SJYF103Z	15.170
C24-1	CAPACITOR CERAMIC	10nF -20/+80% 50V	KCK	HE70SJYF103Z	15.170
C25-1	CAPACITOR POLYSTYRENE	10nF 1% 63V	PHILIPS	2222 424 41003	10.226
C26-1	CAPACITOR POLYSTYRENE	6.8nF 1% 63V	PHILIPS	2222 424 46802	10.221
C27-1	CAPACITOR CERAMIC	33pF 5% NPO 100V	KCK	HE50SJCH330J	15.084
C28-1	CAPACITOR POLYSTYRENE	6.8nF 1% 63V	PHILIPS	2222 424 46802	10.221
C29-1	CAPACITOR POLYSTYRENE	6.8nF 1% 63V	PHILIPS	2222 424 46802	10.221
C30-1	CAPACITOR CERAMIC	33pF 5% NPO 100V	KCK	HE50SJCH330J	15.084
C31-1	CAPACITOR POLYSTYRENE	6.8nF 1% 63V	PHILIPS	2222 424 46802	10.221
C32-1	CAPACITOR POLYSTYRENE	10nF 1% 63V	PHILIPS	2222 424 41003	10.226
C33-1	CAPACITOR MKT	47nF 10% 250V	*ERO	MKT1822	11.101
C34-1	CAPACITOR ELECTROLYTIC	3.3uF 20% 50V	ERO	EK100AA133H	14.508
C35-1	CAPACITOR CERAMIC	150pF 5% NPO 50V	KCK	HE90SJCH151J	15.147
C36-1	CAPACITOR CERAMIC	33pF 5% NPO 100V	KCK	HE50SJCH330J	15.084
C37-1	CAPACITOR ELECTROLYTIC	22uF 20% 25V	* ERO	EK100AA222E	14.514
C38-1	CAPACITOR CERAMIC	33pF 5% NPO 100V	KCK	HE50SJCH330J	15.084
C43-1	CAPACITOR CERAMIC	100nF -20/+80% 63V	AVX	SR215E104ZAA	15.250
C44-1	CAPACITOR ELECTROLYTIC	47uF 20% 25V	* ERO	EK100BB247E	14.524
C45-1	CAPACITOR ELECTROLYTIC	1uF 20% 50V	* ERO	EK100AA110H	14.506
C46-1	CAPACITOR CERAMIC	1nF 20% 500V	KCK	HM60SJYD102M	15.160
C47-1	CAPACITOR ELECTROLYTIC	10uF 20% 35V	* ERO	EK100AA210F	14.512

POSITION	DESCRIPTION	MANUFACTOR	TYPE	S.P.NUMBER	
C48-1	CAPACITOR CERAMIC	1nF 10% 500V	PHILIPS	2222 655 03102	16.148
C49-1	CAPACITOR ELECTROLYTIC	10uF 20% 35V	* ERO	EK100AA210F	14.512
C50-1	CAPACITOR MKT	220nF 10% 63V	*ERO	MKT1822	11.045
C51-1	CAPACITOR MKT	220nF 10% 63V	*ERO	MKT1822	11.045
C52-1	CAPACITOR POLYSTYRENE	10nF 1% 63V	PHILIPS	2222 424 41003	10.226
C53-1	CAPACITOR POLYSTYRENE	10nF 1% 63V	PHILIPS	2222 424 41003	10.226
C54-1	CAPACITOR POLYSTYRENE	10nF 1% 63V	PHILIPS	2222 424 41003	10.226
C55-1	CAPACITOR POLYSTYRENE	10nF 1% 63V	PHILIPS	2222 424 41003	10.226
C56-1	CAPACITOR CERAMIC	100nF -20/+80% 63V	AVX	SR215E104ZAA	15.250
C57-1	CAPICITOR POLYSTYRENE	2.2nF 1% 63V	PHILIPS	2222 424 42202	10.209
C58-1	CAPACITOR POLYSTYRENE	100nF 1% 63V	PHILIPS	2222 444 41004	10.200
C59-1	CAPACITOR CERAMIC	10nF -20/+80% 50V	KCK	HE70SJYF103Z	15.170
C60-1	CAPACITOR CERAMIC	100nF -20/+80% 63V	AVX	SR215E104ZAA	15.250
C61-1	CAPACITOR MKT	220nF 10% 63V	*ERO	MKT1822	11.045
C62-1	CAPACITOR POLYSTERENE	22nF 1% 63V	PHILIPS	2222 424 42203	10.234
C63-1	CAPACITOR CERAMIC	100nF -20/+80% 63V	AVX	SR215E104ZAA	15.250
C64-1	CAPACITOR MKT	47nF 10% 250V	*ERO	MKT1822	11.101
C65-1	CAPACITOR POLYESTER	0.1uF 10% 100V	* ERO	MKT1822	11.073
C66-1	CAPACITOR MKT	10nF 10% 400V	* PHILIPS	2222 344 55103	12.212
C67-1	CAPACITOR ELECTROLYTIC	10uF 20% 35V	* ERO	EK100AA210F	14.512
C68-1	CAPACITOR POLYSTYRENE	6.8nF 1% 63V	PHILIPS	2222 424 46802	10.221
C69-1	CAPACITOR POLYSTYRENE	1nF 1% 250V	PHILIPS	2222 426 41002	10.350
C70-1	CAPACITOR ELECTROLYTIC	22uF 20% 25V	* ERO	EK100AA222E	14.514
C71-1	CAPACITOR POLYSTYRENE	10nF 1% 63V	PHILIPS	2222 424 41003	10.226
C72-1	CAPACITOR POLYSTYRENE	6.8nF 1% 63V	PHILIPS	2222 424 46802	10.221
C73-1	CAPACITOR CERAMIC	33pF 5% NPO 100V	KCK	HE50SJCH330J	15.084
C74-1	CAPACITOR POLYSTYRENE	6.8nF 1% 63V	PHILIPS	2222 424 46802	10.221
C75-1	CAPACITOR POLYSTYRENE	6.8nF 1% 63V	PHILIPS	2222 424 46802	10.221
C76-1	CAPACITOR CERAMIC	33pF 5% NPO 100V	KCK	HE50SJCH330J	15.084
C77-1	CAPACITOR POLYSTYRENE	6.8nF 1% 63V	PHILIPS	2222 424 46802	10.221
C78-1	CAPACITOR POLYSTYRENE	10nF 1% 63V	PHILIPS	2222 424 41003	10.226
C79-1	CAPACITOR POLYSTYRENE	10nF 1% 63V	PHILIPS	2222 424 41003	10.226
C80-1	CAPACITOR POLYSTYRENE	6.8nF 1% 63V	PHILIPS	2222 424 46802	10.221
C81-1	CAPACITOR CERAMIC	33pF 5% NPO 100V	KCK	HE50SJCH330J	15.084
C82-1	CAPACITOR POLYSTYRENE	6.8nF 1% 63V	PHILIPS	2222 424 46802	10.221
C83-1	CAPACITOR POLYSTYRENE	6.8nF 1% 63V	PHILIPS	2222 424 46802	10.221
C84-1	CAPACITOR CERAMIC	33pF 5% NPO 100V	KCK	HE50SJCH330J	15.084
C85-1	CAPACITOR POLYSTYRENE	6.8nF 1% 63V	PHILIPS	2222 424 46802	10.221
C86-1	CAPACITOR POLYSTYRENE	10nF 1% 63V	PHILIPS	2222 424 41003	10.226
C87-1	CAPACITOR ELECTROLYTIC	10uF 25V	RUBYCON	25TWL10M LOW LEAKAGE	14.661
C88-1	CAPACITOR POLYSTYRENE	100nF 1% 63V	PHILIPS	2222 444 41004	10.200
C89-1	CAPACITOR POLYSTYRENE	10nF 1% 63V	PHILIPS	2222 424 41003	10.226
C90-1	CAPACITOR POLYSTERENE	4.7nF 1% 63V	PHILIPS	2222 424 44702	10.217
C91-1	CAPACITOR POLYSTYRENE	820pF 1% 250V	PHILIPS	2222 426 48201	10.348

POSITION	DESCRIPTION	MANUFACTOR	TYPE	S.P. NUMBER	
C92-1	CAPACITOR ELECTROLYTIC	22uF 20% 25V	* ERO	EK100AA222E	14.514
C93-1	CAPACITOR ELECTROLYTIC	10uF 25V	RUBYCON	25TWL10M LOW LEAKAGE	14.661
C94-1	CAPACITOR POLYSTERENE	150pF 1% 630V	PHILIPS	2222 427 41501	10.405
C95-1	CAPACITOR POLYSTERENE	150pF 1% 630V	PHILIPS	2222 427 41501	10.405
C96-1	CAPACITOR POLYSTERENE	22nF 1% 63V	PHILIPS	2222 424 42203	10.234
C97-1	CAPACITOR POLYSTYRENE	6.8nF 1% 63V	PHILIPS	2222 424 46802	10.221
C98-1	CAPACITOR POLYSTERENE	560pF 1% 250V	PHILIPS	2222 426 45601	10.344
C99-1	CAPACITOR POLYSTERENE	5.1nF 1% 63V	PHILIPS	2222 424 45102	10.218
C100-1	CAPACITOR POLYSTERENE	1.5nF 1% 63V	PHILIPS	2222 425 41502	10.205
C101-1	CAPACITOR POLYSTERENE	120pF 1% 630V	PHILIPS	2222 427 41201	10.403
C102-1	CAPACITOR CERAMIC	1nF 20% 500V	KCK	HM60SJYD102M	15.160
C103-1	CAPACITOR MKT	220nF 10% 63V	*ERO	MKT1822	11.045
C104-1	CAPACITOR MKT	22nF 10% 400V	*ERO	MKT1822	11.130
C105-1	CAPACITOR POLYSTERENE	680pF 1% 250V	PHILIPS	2222 426 46801	10.346
C106-1	CAPACITOR POLYSTERENE	5.6nF 1% 63V	PHILIPS	2222 424 45602	10.219
C107-1	CAPACITOR POLYSTERENE	30nF 1% 63V	PHILIPS	2222 424 43003	10.237
C108-1	CAPACITOR POLYSTYRENE	100pF 1% 630V	PHILIPS	2222 427 41001	10.400
C109-1	CAPACITOR POLYSTYRENE	100pF 1% 630V	PHILIPS	2222 427 41001	10.400
C110-1	CAPACITOR POLYSTERENE	22nF 1% 63V	PHILIPS	2222 424 42203	10.234
C111-1	CAPACITOR POLYSTERENE	12nF 1% 63V	PHILIPS	2222 424 41203	10.228
C112-1	CAPACITOR POLYESTER	0.33uF 5% 63V	ERO	MKT1822	11.121
C113-1	CAPACITOR ELECTROLYTIC	22uF 20% 25V	* ERO	EK100AA222E	14.514
C114-1	CAPACITOR POLYSTYRENE	6.8nF 1% 63V	PHILIPS	2222 424 46802	10.221
C115-1	CAPACITOR POLYSTYRENE	6.8nF 1% 63V	PHILIPS	2222 424 46802	10.221
C116-1	CAPACITOR POLYSTERENE	12nF 1% 63V	PHILIPS	2222 424 41203	10.228
C117-1	CAPACITOR POLYSTERENE	12nF 1% 63V	PHILIPS	2222 424 41203	10.228
C118-1	CAPACITOR CERAMIC	33pF 5% NPO 100V	KCK	HE50SJCH330J	15.084
C119-1	CAPACITOR POLYSTERENE	12nF 1% 63V	PHILIPS	2222 424 41203	10.228
C120-1	CAPACITOR POLYSTERENE	12nF 1% 63V	PHILIPS	2222 424 41203	10.228
C121-1	CAPACITOR POLYSTERENE	12nF 1% 63V	PHILIPS	2222 424 41203	10.228
C122-1	CAPACITOR CERAMIC	33pF 5% NPO 100V	KCK	HE50SJCH330J	15.084
C123-1	CAPACITOR POLYSTERENE	12nF 1% 63V	PHILIPS	2222 424 41203	10.228
C124-1	CAPACITOR POLYESTER	0.1uF 10% 100V	* ERO	MKT1822	11.073
C125-1	CAPACITOR ELECTROLYTIC	10uF 20% 35V	* ERO	EK100AA210F	14.512
C126-1	CAPACITOR CERAMIC	100nF -20/+80% 63V	AVX	SR215E104ZAA	15.250
C127-1	CAPACITOR CERAMIC	100nF -20/+80% 63V	AVX	SR215E104ZAA	15.250
C128-1	CAPACITOR ELECTROLYTIC	47uF 35V	* ERO	EK100CC247F	14.525
C129-1	CAPACITOR POLYSTYRENE	6.8nF 1% 63V	PHILIPS	2222 424 46802	10.221
C130-1	CAPACITOR POLYSTERENE	680pF 1% 250V	PHILIPS	2222 426 46801	10.346
C131-1	CAPACITOR POLYSTERENE	27nF 1% 63V	PHILIPS	2222 424 42703	10.236
C132-1	CAPACITOR POLYSTYRENE	6.8nF 1% 63V	PHILIPS	2222 424 46802	10.221
C133-1	CAPACITOR POLYSTERENE	5.1nF 1% 63V	PHILIPS	2222 424 45102	10.218
C134-1	CAPACITOR POLYSTERENE	3.9nF 1% 63V	PHILIPS	2222 424 43902	10.215
C135-1	CAPACITOR POLYSTERENE	4.7nF 1% 63V	PHILIPS	2222 424 44702	10.217

POSITION	DESCRIPTION	MANUFACTOR	TYPE	S.P. NUMBER	
C136-1	CAPACITOR POLYSTERENE	1.5nF 1% 63V	PHILIPS	2222 425 41502	10.205
C137-1	CAPACITOR POLYSTYRENE	6.8nF 1% 63V	PHILIPS	2222 424 46802	10.221
C138-1	CAPACITOR MKT	10nF 10% 400V	* PHILIPS	2222 344 55103	12.212
C139-1	CAPACITOR POLYSTYRENE	270pF 1% 630V	PHILIPS	2222 427 42701	10.411
C140-1	CAPACITOR POLYSTYRENE	2.2nF 1% 63V	PHILIPS	2222 424 42202	10.209
C141-1	CAPACITOR POLYSTYRENE	270pF 1% 630V	PHILIPS	2222 427 42701	10.411
C142-1	CAPACITOR POLYSTYRENE	8.2nF 1% 63V	PHILIPS	2222 424 48202	10.224
C143-1	CAPACITOR CERAMIC	100nF -20/+80% 63V	AVX	SR215E104ZAA	15.250
C144-1	CAPACITOR CERAMIC	1nF 20% 500V	KCK	HM60SJYD102M	15.160
C145-1	CAPACITOR CERAMIC	100nF -20/+80% 63V	AVX	SR215E104ZAA	15.250
C146-1	CAPACITOR ELECTROLYTIC	10uF 20% 35V	* ERO	EK100AA210F	14.512
C147-1	CAPACITOR CERAMIC	100nF -20/+80% 63V	AVX	SR215E104ZAA	15.250
C148-1	CAPACITOR CERAMIC	1nF 20% 500V	KCK	HM60SJYD102M	15.160
C149-1	CAPACITOR CERAMIC	100nF -20/+80% 63V	AVX	SR215E104ZAA	15.250
C150-1	CAPACITOR ELECTROLYTIC	10uF 20% 35V	* ERO	EK100AA210F	14.512
C151-1	CAPACITOR CERAMIC	100nF -20/+80% 63V	AVX	SR215E104ZAA	15.250
C152-1	CAPACITOR CERAMIC	100nF -20/+80% 63V	AVX	SR215E104ZAA	15.250
C153-1	CAPACITOR CERAMIC	100nF -20/+80% 63V	AVX	SR215E104ZAA	15.250
C154-1	CAPACITOR CERAMIC	100nF -20/+80% 63V	AVX	SR215E104ZAA	15.250
C155-1	CAPACITOR CERAMIC	100nF -20/+80% 63V	AVX	SR215E104ZAA	15.250
C156-1	CAPACITOR CERAMIC	33pF 5% NPO 100V	KCK	HE50SJCH330J	15.084
C157-1	CAPACITOR ELECTROLYTIC	10uF 25V	RUBYCON	25TWL10M LOW LEAKAGE	14.661
C158	CAPACITOR POLYESTER	22nF 10% 100V	ERO	MKT 1817	11.175
C159	CAPACITOR POLYESTER	22nF 10% 100V	ERO	MKT 1817	11.175
C160	CAPACITOR POLYESTER	22nF 10% 100V	ERO	MKT 1817	11.175
C161	CAPACITOR POLYESTER	22nF 10% 100V	ERO	MKT 1817	11.175
C162	CAPACITOR POLYESTER	22nF 10% 100V	ERO	MKT 1817	11.175
C163	CAPACITOR POLYESTER	22nF 10% 100V	ERO	MKT 1817	11.175
C164	CAPACITOR POLYESTER	22nF 10% 100V	ERO	MKT 1817	11.175
C165	CAPACITOR POLYESTER	22nF 10% 100V	ERO	MKT 1817	11.175
C166	CAPACITOR POLYESTER	22nF 10% 100V	ERO	MKT 1817	11.175
C167	CAPACITOR POLYESTER	22nF 10% 100V	ERO	MKT 1817	11.175
C168	CAPACITOR POLYESTER	0.1uF 10% 63V	ERO	MKT1817	11.136
D1-1	DIODE	1N4148	* ITT	1N4148	25.131
D2-1	DIODE	1N4148	* ITT	1N4148	25.131
D3-1	DIODE	1N4148	* ITT	1N4148	25.131
D4-1	DIODE	1N4148	* ITT	1N4148	25.131
D5-1	DIODE	1N4148	* ITT	1N4148	25.131
D6-1	DIODE	1N4148	* ITT	1N4148	25.131
D7-1	DIODE	1N4148	* ITT	1N4148	25.131
D8-1	DIODE	1N4148	* ITT	1N4148	25.131
D9-1	DIODE	1N4148	* ITT	1N4148	25.131
D10-1	DIODE	1N4148	* ITT	1N4148	25.131
D11-1	DIODE	1N4148	* ITT	1N4148	25.131

POSITION	DESCRIPTION		MANUFACTOR	TYPE	S.P. NUMBER
D12-1	DIODE	1N4148	* ITT	1N4148	25.131
D13-1	DIODE ZENER	12V	* MOTOROLA	BZX79C12	26.554
IC1-1	INTEGRATED CIRCUIT	MC14053BCP	MOTOROLA	MC14053BCP	33.201
IC2-1	INTEGRATED CIRCUIT	LF347N	* NATIONAL	LF347N	31.530
IC3-1	INTEGRATED CIRCUIT	MC14053BCP	MOTOROLA	MC14053BCP	33.201
IC4-1	OPTO-COUPLER	CNY17-2	SIEMENS	Q62703-N0001-S002	32.530
IC5-1	OPTO-COUPLER	CNY17-2	SIEMENS	Q62703-N0001-S002	32.530
IC6-1	INTEGRATED CIRCUIT	MC14053BCP	MOTOROLA	MC14053BCP	33.201
IC7-1	INTEGRATED CIRCUIT	LF347N	* NATIONAL	LF347N	31.530
IC8-1	INTEGRATED CIRCUIT	TL070	TEXAS	TL070	31.708
IC9-1	INTEGRATED CIRCUIT	LF347N	* NATIONAL	LF347N	31.530
IC10-1	INTEGRATED CIRCUIT	XR2211	EXAR	XR2211	31.496
IC11-1	INTEGRATED CIRCUIT	LF347N	* NATIONAL	LF347N	31.530
IC12-1	INTEGRATED CIRCUIT	LF347N	* NATIONAL	LF347N	31.530
IC13-1	INTEGRATED CIRCUIT	LF347N	* NATIONAL	LF347N	31.530
IC14-1	INTEGRATED CIRCUIT	LF347N	* NATIONAL	LF347N	31.530
IC15-1	INTEGRATED CIRCUIT	LF347N	* NATIONAL	LF347N	31.530
IC16-1	INTEGRATED CIRCUIT	MC1496P	* MOTOROLA	MC1496P	31.221
IC17-1	INTEGRATED CIRCUIT	MC1496P	* MOTOROLA	MC1496P	31.221
IC18-1	INTEGRATED CIRCUIT	MC1496P	* MOTOROLA	MC1496P	31.221
IC19-1	INTEGRATED CIRCUIT	LF347N	* NATIONAL	LF347N	31.530
IC20-1	INTEGRATED CIRCUIT	74LS74N	* TEXAS	74LS74N	33.727
IC21-1	INTEGRATED CIRCUIT	74LS74N	* TEXAS	74LS74N	33.727
IC22-1	INTEGRATED CIRCUIT	MC1496P	* MOTOROLA	MC1496P	31.221
IC23-1	INTEGRATED CIRCUIT	MC14053BCP	MOTOROLA	MC14053BCP	33.201
IC24-1	INTEGRATED CIRCUIT	LF347N	* NATIONAL	LF347N	31.530
IC25-1	INTEGRATED CIRCUIT	LF347N	* NATIONAL	LF347N	31.530
IC26-1	INTEGRATED CIRCUIT	LF347N	* NATIONAL	LF347N	31.530
IC27-1	INTEGRATED CIRCUIT	TL072CP	TEXAS	TL072CP	31.710
IC28-1	INTEGRATED CIRCUIT	TDA2108	PHILIPS	TDA2108	31.485
IC29-1	INTEGRATED CIRCUIT	MMH026CP1	* MOTOROLA	MMH026CP1	33.499
IC30-1	INTEGRATED CIRCUIT	74LS74N	* TEXAS	74LS74N	33.727
IC31-1	VOLTAGE REGULATOR	RM4194	* RAYTHEON	RC4194	31.570
L1-1	CHOKE	68uH 10%	* AIRCO	1326-5K	20.164
L2-1	CHOKE	68uH 10%	* AIRCO	1326-5K	20.164
L3-1	CHOKE	68uH 10%	* AIRCO	1326-5K	20.164
L4-1	CHOKE	68uH 10%	* AIRCO	1326-5K	20.164
L5-1	CHOKE	68uH 10%	* AIRCO	1326-5K	20.164
L6-1	CHOKE	68uH 10%	* AIRCO	1326-5K	20.164
L7-1	CHOKE	68uH 10%	* AIRCO	1326-5K	20.164
L8-1	CHOKE	68uH 10%	* AIRCO	1326-5K	20.164
L9-1	CHOKE	68uH 10%	* AIRCO	1326-5K	20.164
L10-1	CHOKE	68uH 10%	* AIRCO	1326-5K	20.164
L11-1	CHOKE	68uH 10%	* AIRCO	1326-5K	20.164

POSITION	DESCRIPTION		MANUFACTOR	TYPE	S.P. NUMBER
L12-1	CHOKE	68uH 10%	* AIRCO	1326-5K	20.164
L13-1	CHOKE	68uH 10%	* AIRCO	1326-5K	20.164
L14-1	CHOKE	68uH 10%	* AIRCO	1326-5K	20.164
L15-1	CHOKE	68uH 10%	* AIRCO	1326-5K	20.164
L16-1	CHOKE	68uH 10%	* AIRCO	1326-5K	20.164
L17-1	CHOKE	68uH 10%	* AIRCO	1326-5K	20.164
L18-1	CHOKE	68uH 10%	* AIRCO	1326-5K	20.164
L19-1	CHOKE	68uH 10%	* AIRCO	1326-5K	20.164
L20-1	COIL	TL403	S.P.RADIO	6-0-24109	400403
L21-1	COIL	TL404	S.P.RADIO	6-0-24110	400404
L22-1	COIL	TL404	S.P.RADIO	6-0-24110	400404
L23-1	COIL	TL405	S.P.RADIO	6-0-24111	400405
P6-1	PLUG (MALE)	5 POLE	AMP	0-826375-5	78.105
R1-1	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R2-1	RESISTOR	82 KOHM 5% 0.33W	PHILIPS	2322 181 13823	01.247
R3-1	RESISTOR	27 KOHM 5% 0.33W	PHILIPS	2322 181 13273	01.235
R4-1	RESISTOR	100 KOHM 5% 0.33W	PHILIPS	2322 181 13104	01.250
R5-1	RESISTOR	8.2 KOHM 5% 0.33W	PHILIPS	2322 181 13822	01.222
R6-1	RESISTOR	4.7 KOHM 5% 0.33W	PHILIPS	2322 181 13472	01.216
R7-1	RESISTOR	4.7 KOHM 5% 0.33W	PHILIPS	2322 181 13472	01.216
R8-1	RESISTOR	680 OHM 5% 0.33W	PHILIPS	2322 181 13681	01.195
R9-1	RESISTOR	8.2 KOHM 5% 0.33W	PHILIPS	2322 181 13822	01.222
R10-1	RESISTOR	4.7 KOHM 5% 0.33W	PHILIPS	2322 181 13472	01.216
R11-1	RESISTOR	680 OHM 5% 0.33W	PHILIPS	2322 181 13681	01.195
R12-1	RESISTOR	4.7 KOHM 5% 0.33W	PHILIPS	2322 181 13472	01.216
R13-1	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R14-1	RESISTOR	100 OHM 5% 0.33W	PHILIPS	2322 181 13101	01.175
R15-1	RESISTOR	100 OHM 5% 0.33W	PHILIPS	2322 181 13101	01.175
R16-1	RESISTOR	100 OHM 5% 0.33W	PHILIPS	2322 181 13101	01.175
R17-1	RESISTOR	1.5 KOHM 5% 0.33W	PHILIPS	2322 181 13152	01.204
R18-1	RESISTOR	1 KOHM 5% 0.33W	PHILIPS	2322 181 13102	01.200
R19-1	RESISTOR	47 KOHM 5% 0.33W	PHILIPS	2322 181 13473	01.241
R20-1	RESISTOR	1 KOHM 5% 0.33W	PHILIPS	2322 181 13102	01.200
R21-1	RESISTOR	1 KOHM 5% 0.33W	PHILIPS	2322 181 13102	01.200
R22-1	RESISTOR	1 KOHM 5% 0.33W	PHILIPS	2322 181 13102	01.200
R23-1	RESISTOR	1 KOHM 5% 0.33W	PHILIPS	2322 181 13102	01.200
R24-1	RESISTOR	1 KOHM 5% 0.33W	PHILIPS	2322 181 13102	01.200
R25-1	RESISTOR	1 KOHM 5% 0.33W	PHILIPS	2322 181 13102	01.200
R26-1	RESISTOR	1 MOHM 5% 0.33W	PHILIPS	2322 181 13105	01.275
R27-1	RESISTOR	1 MOHM 5% 0.33W	PHILIPS	2322 181 13105	01.275
R28-1	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R29-1	RESISTOR	47 KOHM 5% 0.33W	PHILIPS	2322 181 13473	01.241
R30-1	RESISTOR	1 MOHM 5% 0.33W	PHILIPS	2322 181 13105	01.275
R31-1	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225



POSITION	DESCRIPTION		MANUFACTOR	TYPE	S.P. NUMBER
R32-1	RESISTOR	100 OHM 5% 0.33W	PHILIPS	2322 181 13101	01.175
R33-1	RESISTOR	100 OHM 5% 0.33W	PHILIPS	2322 181 13101	01.175
R34-1	RESISTOR	1.5 KOHM 5% 0.33W	PHILIPS	2322 181 13152	01.204
R35-1	RESISTOR	100 OHM 5% 0.33W	PHILIPS	2322 181 13101	01.175
R36-1	RESISTOR	110 KOHM 5% 0.33W	PHILIPS	2322 181 13114	01.251
R37-1	RESISTOR	7.68 KOHM 1% 0.4W	PHILIPS	2322 151 57682	03.421
R38-1	RESISTOR	1.91 KOHM 1% 0.4W	PHILIPS	2322 151 51912	03.408
R39-1	RESISTOR	14 KOHM 1% 0.4W	PHILIPS	2322 151 51403	03.432
R40-1	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R41-1	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R42-1	RESISTOR	10 KOHM 1% 0.4W	PHILIPS	2322 151 51003	03.427
R43-1	RESISTOR	8.87 KOHM 1% 0.4W	PHILIPS	2322 151 58872	03.420
R44-1	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R45-1	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R46-1	RESISTOR	5.9 KOHM 1% 0.4W	PHILIPS	2322 151 55902	03.410
R47-1	RESISTOR	5.36 KOHM 1% 0.4W	PHILIPS	2322 151 55362	03.418
R48-1	RESISTOR	240 KOHM 5% 0.33W	PHILIPS	2322 181 13244	01.259
R49-1	RESISTOR	240 KOHM 5% 0.33W	PHILIPS	2322 181 13244	01.259
R50-1	RESISTOR	1 KOHM 5% 0.33W	PHILIPS	2322 181 13102	01.200
R51-1	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R52-1	RESISTOR	10 OHM 5% 0.33W	PHILIPS	2322 181 13109	01.150
R53-1	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R54-1	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R55-1	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R56-1	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R57-1	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R58-1	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R59-1	RESISTOR	15 KOHM 5% 0.33W	PHILIPS	2322 181 13153	01.229
R60-1	RESISTOR	15 KOHM 5% 0.33W	PHILIPS	2322 181 13153	01.229
R61-1	RESISTOR	56 OHM 5% 0.33W	PHILIPS	2322 181 13569	01.168
R62-1	RESISTOR	27 KOHM 5% 0.33W	PHILIPS	2322 181 13273	01.235
R63-1	RESISTOR	22 KOHM 5% 0.33W	PHILIPS	2322 181 13223	01.233
R64-1	RESISTOR	82 KOHM 5% 0.33W	PHILIPS	2322 181 13823	01.247
R65-1	RESISTOR	68 KOHM 5% 0.33W	PHILIPS	2322 181 13683	01.245
R66-1	RESISTOR	560 OHM 5% 0.33W	PHILIPS	2322 181 13561	01.193
R67-1	RESISTOR	33 KOHM 5% 0.33W	PHILIPS	2322 181 13333	01.237
R68-1	POTENTIOMETER TRIMMING	47 KOHM 10% 0.5W	PHILIPS	2322 482 22473	07.678
R69-1	RESISTOR	68 KOHM 5% 0.33W	PHILIPS	2322 181 13683	01.245
R70-1	RESISTOR	2.2 KOHM 5% 0.33W	PHILIPS	2322 181 13222	01.208
R71-1	RESISTOR	68 KOHM 5% 0.33W	PHILIPS	2322 181 13683	01.245
R72-1	RESISTOR	33 KOHM 5% 0.33W	PHILIPS	2322 181 13333	01.237
R73-1	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R74-1	RESISTOR	47 KOHM 5% 0.33W	PHILIPS	2322 181 13473	01.241
R75-1	RESISTOR	1 KOHM 5% 0.33W	PHILIPS	2322 181 13102	01.200

POSITION	DESCRIPTION		MANUFACTOR	TYPE	S.P. NUMBER
R76-1	RESISTOR	27 KOHM 5% 0.33W	PHILIPS	2322 181 13273	01.235
R77-1	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R78-1	RESISTOR	180 KOHM 5% 0.33W	PHILIPS	2322 181 13184	01.256
R79-1	RESISTOR	22 KOHM 5% 0.33W	PHILIPS	2322 181 13223	01.233
R80-1	RESISTOR	22 KOHM 5% 0.33W	PHILIPS	2322 181 13223	01.233
R81-1	RESISTOR	2.7 KOHM 5% 0.33W	PHILIPS	2322 181 13272	01.210
R82-1	RESISTOR	9.1 KOHM 5% 0.33W	PHILIPS	2322 181 13912	01.224
R83-1	RESISTOR	180 KOHM 5% 0.33W	PHILIPS	2322 181 13184	01.256
R84-1	RESISTOR	22 KOHM 5% 0.33W	PHILIPS	2322 181 13223	01.233
R85-1	RESISTOR	34 KOHM 1% 0.4W	PHILIPS	2322 151 53403	03.437
R86-1	RESISTOR	100 OHM 5% 0.33W	PHILIPS	2322 181 13101	01.175
R87-1	RESISTOR	100 KOHM 5% 0.33W	PHILIPS	2322 181 13104	01.250
R88-1	RESISTOR	100 KOHM 5% 0.33W	PHILIPS	2322 181 13104	01.250
R89-1	RESISTOR	3.3 KOHM 5% 0.33W	PHILIPS	2322 181 13332	01.212
R90-1	RESISTOR	5.6 KOHM 5% 0.33W	PHILIPS	2322 181 13562	01.218
R91-1	RESISTOR	4.7 KOHM 5% 0.33W	PHILIPS	2322 181 13472	01.216
R92-1	POTENTIOMETER TRIMMING	1 KOHM 10% 0.5W	* PHILIPS	2322 482 22102	07.660
R93-1	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R94-1	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R95-1	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R96-1	RESISTOR	22 KOHM 5% 0.33W	PHILIPS	2322 181 13223	01.233
R97-1	RESISTOR	470 KOHM 5% 0.33W	PHILIPS	2322 181 13474	01.266
R98-1	RESISTOR	4.7 KOHM 5% 0.33W	PHILIPS	2322 181 13472	01.216
R99-1	RESISTOR	1 MOHM 5% 0.33W	PHILIPS	2322 181 13105	01.275
R100-1	RESISTOR	28.7 KOHM 1% 0.4W	PHILIPS	2322 151 52873	03.434
R101-1	POTENTIOMETER TRIMMING	2.2 KOHM 10% 0.5W	PHILIPS	2322 482 22222	07.665
R102-1	RESISTOR	200 KOHM 5% 0.33W	PHILIPS	2322 181 13204	01.257
R103-1	RESISTOR	39 KOHM 5% 0.33W	PHILIPS	2322 181 13393	01.239
R104-1	RESISTOR	100 KOHM 5% 0.33W	PHILIPS	2322 181 13104	01.250
R105-1	RESISTOR	100 KOHM 5% 0.33W	PHILIPS	2322 181 13104	01.250
R106-1	RESISTOR	33 KOHM 5% 0.33W	PHILIPS	2322 181 13333	01.237
R107-1	RESISTOR	33 KOHM 5% 0.33W	PHILIPS	2322 181 13333	01.237
R108-1	RESISTOR	12 KOHM 5% 0.33W	PHILIPS	2322 181 13123	01.227
R109-1	RESISTOR	100 KOHM 5% 0.33W	PHILIPS	2322 181 13104	01.250
R110-1	RESISTOR	390 OHM 5% 0.33W	PHILIPS	2322 181 13391	01.189
R111-1	RESISTOR	110 KOHM 5% 0.33W	PHILIPS	2322 181 13114	01.251
R112-1	RESISTOR	7.68 KOHM 1% 0.4W	PHILIPS	2322 151 57682	03.421
R113-1	RESISTOR	1.91 KOHM 1% 0.4W	PHILIPS	2322 151 51912	03.408
R114-1	RESISTOR	14 KOHM 1% 0.4W	PHILIPS	2322 151 51403	03.432
R115-1	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R116-1	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R117-1	RESISTOR	10 KOHM 1% 0.4W	PHILIPS	2322 151 51003	03.427
R118-1	RESISTOR	8.87 KOHM 1% 0.4W	PHILIPS	2322 151 58872	03.420
R119-1	RESISTOR	5.36 KOHM 1% 0.4W	PHILIPS	2322 151 55362	03.418

POSITION	DESCRIPTION		MANUFACTOR	TYPE	S.P. NUMBER
R120-1	RESISTOR	120 KOHM 5% 0.33W	PHILIPS	2322 181 13124	01.252
R121-1	RESISTOR	5.9 KOHM 1% 0.4W	PHILIPS	2322 151 55902	03.410
R122-1	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R123-1	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R124-1	RESISTOR	110 KOHM 5% 0.33W	PHILIPS	2322 181 13114	01.251
R125-1	RESISTOR	7.68 KOHM 1% 0.4W	PHILIPS	2322 151 57682	03.421
R126-1	RESISTOR	1.91 KOHM 1% 0.4W	PHILIPS	2322 151 51912	03.408
R127-1	RESISTOR	14 KOHM 1% 0.4W	PHILIPS	2322 151 51403	03.432
R128-1	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R129-1	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R130-1	RESISTOR	10 KOHM 1% 0.4W	PHILIPS	2322 151 51003	03.427
R131-1	RESISTOR	8.87 KOHM 1% 0.4W	PHILIPS	2322 151 58872	03.420
R132-1	RESISTOR	5.9 KOHM 1% 0.4W	PHILIPS	2322 151 55902	03.410
R133-1	RESISTOR	5.36 KOHM 1% 0.4W	PHILIPS	2322 151 55362	03.418
R134-1	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R135-1	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R136-1	RESISTOR	120 KOHM 5% 0.33W	PHILIPS	2322 181 13124	01.252
R137-1	RESISTOR	33 KOHM 5% 0.33W	PHILIPS	2322 181 13333	01.237
R138-1	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R139-1	RESISTOR	17.4 KOHM 1% 0.4W	PHILIPS	2322 151 51743	03.450
R140-1	RESISTOR	6.49 KOHM 1% 0.4W	PHILIPS	2322 151 56492	03.412
R141-1	RESISTOR	3.92 KOHM 1% 0.4W	PHILIPS	2322 151 53922	03.409
R142-1	RESISTOR	24.3 KOHM 1% 0.4W	PHILIPS	2322 151 52433	03.451
R143-1	RESISTOR	20 KOHM 1% 0.4W	PHILIPS	2322 151 52003	03.452
R144-1	RESISTOR	10 KOHM 1% 0.4W	PHILIPS	2322 151 51003	03.427
R145-1	RESISTOR	20 KOHM 1% 0.4W	PHILIPS	2322 151 52003	03.452
R146-1	RESISTOR	24.3 KOHM 1% 0.4W	PHILIPS	2322 151 52433	03.451
R147-1	RESISTOR	24.3 KOHM 1% 0.4W	PHILIPS	2322 151 52433	03.451
R148-1	POTENTIOMETER MULTITURN	20 KOHM	BOURNS	3296W-1-203	07.852
R149-1	RESISTOR	403 OHM 1% 0.4W	PHILIPS	2322 151 54021	03.390
R150-1	RESISTOR	403 OHM 1% 0.4W	PHILIPS	2322 151 54021	03.390
R151-1	RESISTOR	6.8 KOHM 5% 0.33W	PHILIPS	2322 181 13682	01.220
R152-1	RESISTOR	220 OHM 5% 0.33W	PHILIPS	2322 181 13221	01.183
R153-1	RESISTOR	1.3 KOHM 5% 0.33W	PHILIPS	2322 181 13132	01.203
R154-1	RESISTOR	1.3 KOHM 5% 0.33W	PHILIPS	2322 181 13132	01.203
R155-1	POTENTIOMETER TRIMMING	470 OHM 10% 0.5W	* PHILIPS	2322 482 22471	07.651
R156-1	RESISTOR	820 OHM 5% 0.33W	PHILIPS	2322 181 13821	01.197
R157-1	RESISTOR	47 KOHM 5% 0.33W	PHILIPS	2322 181 13473	01.241
R158-1	RESISTOR	47 KOHM 5% 0.33W	PHILIPS	2322 181 13473	01.241
R159-1	RESISTOR	47 KOHM 5% 0.33W	PHILIPS	2322 181 13473	01.241
R160-1	RESISTOR	47 KOHM 5% 0.33W	PHILIPS	2322 181 13473	01.241
R161-1	RESISTOR	17.4 KOHM 1% 0.4W	PHILIPS	2322 151 51743	03.450
R162-1	RESISTOR	7.15 KOHM 1% 0.4W	PHILIPS	2322 151 57152	03.453
R163-1	RESISTOR	3.92 KOHM 1% 0.4W	PHILIPS	2322 151 53922	03.409

POSITION	DESCRIPTION		MANUFACTOR	TYPE	S.P. NUMBER
R164-1	RESISTOR	23.7 KOHM 1% 0.4W	PHILIPS	2322 151 52373	03.454
R165-1	RESISTOR	20 KOHM 1% 0.4W	PHILIPS	2322 151 52003	03.452
R166-1	RESISTOR	20 KOHM 1% 0.4W	PHILIPS	2322 151 52003	03.452
R167-1	RESISTOR	10 KOHM 1% 0.4W	PHILIPS	2322 151 51003	03.427
R168-1	RESISTOR	24.3 KOHM 1% 0.4W	PHILIPS	2322 151 52433	03.451
R169-1	RESISTOR	24.3 KOHM 1% 0.4W	PHILIPS	2322 151 52433	03.451
R170-1	POTENTIOMETER MULTITURN	20 KOHM	BOURNS	3296W-1-203	07.852
R171-1	RESISTOR	403 OHM 1% 0.4W	PHILIPS	2322 151 54021	03.390
R172-1	RESISTOR	6.8 KOHM 5% 0.33W	PHILIPS	2322 181 13682	01.220
R173-1	RESISTOR	403 OHM 1% 0.4W	PHILIPS	2322 151 54021	03.390
R174-1	RESISTOR	403 OHM 1% 0.4W	PHILIPS	2322 151 54021	03.390
R175-1	RESISTOR	1 KOHM 5% 0.33W	PHILIPS	2322 181 13102	01.200
R176-1	RESISTOR	403 OHM 1% 0.4W	PHILIPS	2322 151 54021	03.390
R177-1	RESISTOR	24.3 KOHM 1% 0.4W	PHILIPS	2322 151 52433	03.451
R178-1	RESISTOR	24.3 KOHM 1% 0.4W	PHILIPS	2322 151 52433	03.451
R179-1	POTENTIOMETER TRIMMING	22 KOHM 10% 0.5W	PHILIPS	2322 482 22223	07.675
R180-1	RESISTOR	6.81 KOHM 1% 0.4W	PHILIPS	2322 151 56812	03.419
R181-1	RESISTOR	510 OHM 5% 0.33W	PHILIPS	2322 181 13511	01.192
R182-1	RESISTOR	3.92 KOHM 1% 0.4W	PHILIPS	2322 151 53922	03.409
R183-1	RESISTOR	33 KOHM 5% 0.33W	PHILIPS	2322 181 13333	01.237
R184-1	RESISTOR	150 KOHM 5% 0.33W	PHILIPS	2322 181 13154	01.254
R185-1	RESISTOR	150 KOHM 5% 0.33W	PHILIPS	2322 181 13154	01.254
R186-1	RESISTOR	47 KOHM 5% 0.33W	PHILIPS	2322 181 13473	01.241
R187-1	POTENTIOMETER TRIMMING	4.7 KOHM 0.75W	AB ELECTRONIC	HC-10	07.714
R188-1	RESISTOR	6.8 KOHM 5% 0.33W	PHILIPS	2322 181 13682	01.220
R189-1	RESISTOR	1 KOHM 5% 0.33W	PHILIPS	2322 181 13102	01.200
R190-1	RESISTOR	1 KOHM 5% 0.33W	PHILIPS	2322 181 13102	01.200
R191-1	RESISTOR	1 KOHM 5% 0.33W	PHILIPS	2322 181 13102	01.200
R192-1	RESISTOR	100 OHM 5% 0.33W	PHILIPS	2322 181 13101	01.175
R193-1	RESISTOR	100 OHM 5% 0.33W	PHILIPS	2322 181 13101	01.175
R194-1	RESISTOR	33 OHM 5% 0.33W	PHILIPS	2322 181 13339	01.162
R195-1	RESISTOR	30 OHM 5% 0.33W	PHILIPS	2322 181 13309	01.161
R196-1	RESISTOR	47 KOHM 1% 0.4W	PHILIPS	2322 151 54703	03.442
R197-1	RESISTOR	47 KOHM 1% 0.4W	PHILIPS	2322 151 54703	03.442
R198-1	RESISTOR	47 KOHM 1% 0.4W	PHILIPS	2322 151 54703	03.442
R199-1	RESISTOR	47 KOHM 1% 0.4W	PHILIPS	2322 151 54703	03.442
R200-1	RESISTOR	27 OHM 5% 0.33W	PHILIPS	2322 181 13279	01.160
R201-1	RESISTOR	39 OHM 5% 0.33W	PHILIPS	2322 181 13399	01.164
R202-1	RESISTOR	24.3 KOHM 1% 0.4W	PHILIPS	2322 151 52433	03.451
R203-1	RESISTOR	390 OHM 5% 0.33W	PHILIPS	2322 181 13391	01.189
R204-1	RESISTOR	24.3 KOHM 1% 0.4W	PHILIPS	2322 151 52433	03.451
R205-1	RESISTOR	390 OHM 5% 0.33W	PHILIPS	2322 181 13391	01.189
R206-1	POTENTIOMETER TRIMMING	22 KOHM 10% 0.5W	PHILIPS	2322 482 22223	07.675
R207-1	RESISTOR	6.8 KOHM 5% 0.33W	PHILIPS	2322 181 13682	01.220

POSITION	DESCRIPTION		MANUFACTOR	TYPE	S.P. NUMBER
R208-1	RESISTOR	220 OHM 5% 0.33W	PHILIPS	2322 181 13221	01.183
R209-1	RESISTOR	3.9 KOHM 5% 0.33W	PHILIPS	2322 181 13392	01.214
R210-1	RESISTOR	1 KOHM 5% 0.33W	PHILIPS	2322 181 13102	01.200
R211-1	RESISTOR	27 KOHM 5% 0.33W	PHILIPS	2322 181 13273	01.235
R212-1	RESISTOR	100 KOHM 5% 0.33W	PHILIPS	2322 181 13104	01.250
R213-1	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R214-1	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R215-1	RESISTOR	22 KOHM 5% 0.33W	PHILIPS	2322 181 13223	01.233
R216-1	RESISTOR	330 KOHM 5% 0.33W	PHILIPS	2322 181 13334	01.262
R217-1	RESISTOR	22 KOHM 5% 0.33W	PHILIPS	2322 181 13223	01.233
R218-1	RESISTOR	19.1 KOHM 1% 0.4W	PHILIPS	2322 151 51913	03.455
R219-1	RESISTOR	5.6 KOHM 5% 0.33W	PHILIPS	2322 181 13562	01.218
R220-1	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R221-1	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R222-1	RESISTOR	30 KOHM 5% 0.33W	PHILIPS	2322 181 13303	01.236
R223-1	RESISTOR	12 KOHM 5% 0.33W	PHILIPS	2322 181 13123	01.227
R224-1	RESISTOR	17.4 KOHM 1% 0.4W	PHILIPS	2322 151 51743	03.450
R225-1	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R226-1	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R227-1	RESISTOR	15.4 KOHM 1% 0.4W	PHILIPS	2322 151 51543	03.456
R228-1	RESISTOR	360 KOHM 5% 0.33W	PHILIPS	2322 181 13364	01.263
R229-1	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R230-1	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R231-1	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R232-1	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R233-1	RESISTOR	100 KOHM 5% 0.33W	PHILIPS	2322 181 13104	01.250
R234-1	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R235-1	RESISTOR	1.2 KOHM 5% 0.33W	PHILIPS	2322 181 13122	01.202
R236-1	RESISTOR	15 KOHM 5% 0.33W	PHILIPS	2322 181 13153	01.229
R237-1	RESISTOR	2.2 KOHM 5% 0.33W	PHILIPS	2322 181 13222	01.208
R238-1	RESISTOR	2.2 KOHM 5% 0.33W	PHILIPS	2322 181 13222	01.208
R239-1	RESISTOR	100 KOHM 5% 0.33W	PHILIPS	2322 181 13104	01.250
R240-1	RESISTOR	100 KOHM 5% 0.33W	PHILIPS	2322 181 13104	01.250
R241-1	POTENTIOMETER TRIMMING	10 KOHM 10% 0.5W	PHILIPS	2322 482 22103	07.669
R242-1	RESISTOR	150 KOHM 5% 0.33W	PHILIPS	2322 181 13154	01.254
R243-1	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R244-1	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R245-1	RESISTOR	56 KOHM 5% 0.33W	PHILIPS	2322 181 13563	01.243
R246-1	RESISTOR	56 KOHM 5% 0.33W	PHILIPS	2322 181 13563	01.243
R247-1	RESISTOR	19.6 KOHM 1% 0.4W	PHILIPS	2322 151 51963	03.457
R248-1	RESISTOR	22.1 KOHM 1% 0.4W	PHILIPS	2322 151 52213	03.433
R249-1	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R250-1	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R251-1	RESISTOR	22.1 KOHM 1% 0.4W	PHILIPS	2322 151 52213	03.433

POSITION	DESCRIPTION		MANUFACTOR	TYPE	S.P. NUMBER
R252-1	RESISTOR	330 KOHM 5% 0.33W	PHILIPS	2322 181 13334	01.262
R253-1	RESISTOR	27 KOHM 5% 0.33W	PHILIPS	2322 181 13273	01.235
R254-1	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R255-1	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R256-1	RESISTOR	27 KOHM 5% 0.33W	PHILIPS	2322 181 13273	01.235
R257-1	RESISTOR	19.6 KOHM 1% 0.4W	PHILIPS	2322 151 51963	03.457
R258-1	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R259-1	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R260-1	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R261-1	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R262-1	RESISTOR	71.5 KOHM 1% 0.4W	PHILIPS	2322 151 57153	03.446
R263-1	RESISTOR	18 KOHM 5% 0.33W	PHILIPS	2322 181 13183	01.231
R264-1	RESISTOR	150 KOHM 5% 0.33W	PHILIPS	2322 181 13154	01.254
R265-1	RESISTOR	1 MOHM 5% 0.33W	PHILIPS	2322 181 13105	01.275
R266-1	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R267-1	RESISTOR	100 OHM 5% 0.33W	PHILIPS	2322 181 13101	01.175
R268-1	RESISTOR	390 OHM 5% 0.33W	PHILIPS	2322 181 13391	01.189
R269-1	RESISTOR	22 KOHM 5% 0.33W	PHILIPS	2322 181 13223	01.233
R270-1	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R271-1	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R272-1	RESISTOR	220 KOHM 5% 0.33W	PHILIPS	2322 181 13224	01.258
R273-1	RESISTOR	1.8 MOHM 5% 0.33W	PHILIPS	2322 181 13185	01.281
RA1-1	RESISTOR ARRAY	8x1 KOHM 2%	DALE	MDP1603 102-G	08.675
RA2-1	RESISTOR ARRAY	8x1 KOHM 2%	DALE	MDP1603 102-G	08.675
RE1-1	RELAY	12V 1 SK	OUC	OUC-S-112D	21.300
RE2-1	RELAY	12V 1 SK	OUC	OUC-S-112D	21.300
T1-1	TRANSISTOR	BC547B	* ITT	BC547B	28.067
T2-1	TRANSISTOR	BC557B	* ITT	BC557B	28.091
T3-1	TRANSISTOR	BC547B	* ITT	BC547B	28.067
T4-1	TRANSISTOR	BC547B	* ITT	BC547B	28.067
T5-1	TRANSISTOR	BC547B	* ITT	BC547B	28.067
T6-1	TRANSISTOR	BF245B	PHILIPS	BF245B	29.715
T7-1	TRANSISTOR	BC557B	* ITT	BC557B	28.091
TR1-1	TRANSFORMER	6579	SCANELECTRIC	EI 19/6,7-6579	22.502
TR2-1	TRANSFORMER	6579	SCANELECTRIC	EI 19/6,7-6579	22.502
TR3-1	TRANSFORMER	6579	SCANELECTRIC	EI 19/6,7-6579	22.502
TR4-1	TRANSFORMER	6579	SCANELECTRIC	EI 19/6,7-6579	22.502

POSITION	DESCRIPTION	MANUFACTOR	TYPE	S.P. NUMBER	
PROCESSOR UNIT	MODULE 2	ESPERA	PRINT NR 5-0-23834	600103	
C1-2	CAPACITOR TRIMMING	2-18pF PTFE	DAU	107.2901.018	17.100
C2-2	CAPACITOR ELECTROLYTIC	0.33uF 50V	ERO	EK100AA033H	14.521
C3-2	CAPACITOR MKT	470nF 10% 63V	*ERO	MKT1822-447/015-2	11.048
C4-2	CAPACITOR CERAMIC	1nF 10% 500V	PHILIPS	2222 655 Q3102	16.148
C5-2	CAPACITOR ELECTROLYTIC	10uF 20% 35V	* ERO	EK100AA210F	14.512
C6-2	CAPACITOR POLYSTYRENE	10nF 1% 63V	PHILIPS	2222 424 41003	10.226
C7-2	CAPACITOR MKT	10nF 10% 400V	* PHILIPS	2222 344 55103	12.212
C8-2	CAPACITOR ELECTROLYTIC	1uF 20% 50V	* ERO	EK100AA110H	14.506
C9-2	CAPACITOR CERAMIC	470pF 10% 400V	FERROPERM	9/0129,9	16.096
C10-2	CAPACITOR ELECTROLYTIC	220uF 25V	ERO	EKM00DD322E	14.647
C11-2	CAPACITOR ELECTROLYTIC	47uF 20% 25V	* ERO	EK100BB247E	14.524
C12-2	CAPACITOR CERAMIC	100nF -20/+80% 63V	AVX	SR215E104ZAA	15.250
C13-2	CAPACITOR ELECTROLYTIC	10uF 20% 35V	* ERO	EK100AA210F	14.512
C14-2	CAPACITOR CERAMIC	1nF 20% 500V	KCK	HM60SJD102M	15.160
C15-2	CAPACITOR POLYSTYRENE	2.2nF 1% 63V	PHILIPS	2222 424 42202	10.209
C16-2	CAPACITOR ELECTROLYTIC	47uF 20% 25V	* ERO	EK100BB247E	14.524
C17-2	CAPACITOR CERAMIC	100nF -20/+80% 63V	AVX	SR215E104ZAA	15.250
C18-2	CAPACITOR CERAMIC	100nF -20/+80% 63V	AVX	SR215E104ZAA	15.250
C19-2	CAPACITOR CERAMIC	100nF -20/+80% 63V	AVX	SR215E104ZAA	15.250
C20-2	CAPACITOR CERAMIC	100nF -20/+80% 63V	AVX	SR215E104ZAA	15.250
C21-2	CAPACITOR CERAMIC	100nF -20/+80% 63V	AVX	SR215E104ZAA	15.250
C22-2	CAPACITOR CERAMIC	100nF -20/+80% 63V	AVX	SR215E104ZAA	15.250
C23-2	CAPACITOR CERAMIC	100nF -20/+80% 63V	AVX	SR215E104ZAA	15.250
C24-2	CAPACITOR CERAMIC	100nF -20/+80% 63V	AVX	SR215E104ZAA	15.250
C25-2	CAPACITOR CERAMIC	100nF -20/+80% 63V	AVX	SR215E104ZAA	15.250
C26-2	CAPACITOR CERAMIC	100nF -20/+80% 63V	AVX	SR215E104ZAA	15.250
C27-2	CAPACITOR CERAMIC	100nF -20/+80% 63V	AVX	SR215E104ZAA	15.250
C28-2	CAPACITOR ELECTROLYTIC	22uF 50V	ERO	EKM00CC222H	14.609
C29-2	CAPACITOR ELECTROLYTIC	22uF 50V	ERO	EKM00CC222H	14.609
C30-2	CAPACITOR ELECTROLYTIC	220uF 25V	ERO	EKM00DD322E	14.647
C31-2	CAPACITOR CERAMIC	100nF -20/+80% 63V	AVX	SR215E104ZAA	15.250
C32-2	CAPACITOR CERAMIC	10pF 5% NPO 400V	FERROPERM	9/0112,9	15.565
D1-2	DIODE	AA119	PHILIPS	AA119	25.250
D2-2	DIODE	AA119	PHILIPS	AA119	25.250
D3-2	DIODE	1N4148	* ITT	1N4148	25.131
D4-2	DIODE	1N4148	* ITT	1N4148	25.131
D5-2	DIODE	1N4148	* ITT	1N4148	25.131
D6-2	DIODE	1N4148	* ITT	1N4148	25.131
D7-2	DIODE	AA119	PHILIPS	AA119	25.250
D8-2	DIODE	1N4148	* ITT	1N4148	25.131
D9-2	DIODE	1N4148	* ITT	1N4148	25.131

POSITION	DESCRIPTION	MANUFACTOR	TYPE	S.P. NUMBER	
D10-2	DIODE	1N4148	* ITT	1N4148	25.131
D13-2	DIODE	1N4148	* ITT	1N4148	25.131
D14-2	DIODE	1N4148	* ITT	1N4148	25.131
D15-2	DIODE	1N4148	* ITT	1N4148	25.131
D16-2	DIODE	1N4148	* ITT	1N4148	25.131
D21-2	DIODE ZENER	BZX79C3V9	PHILIPS	BZX79C3V9	26.512
D23-2	DIODE ZENER	BZX79C3V3	PHILIPS	BZX79C3V3	26.510
IC1-2	INTEGRATED CIRCUIT	8085 AH-2	*INTEL	8085AH-2	32.565
IC2-2	INTEGRATED CIRCUIT	8155H	*INTEL	8155H	32.755
IC3-2	INTEGRATED CIRCUIT	74LS373N	TEXAS	SN74LS373N	34.263
IC4-2	INTEGRATED CIRCUIT	74LS138N	* TEXAS	74LS138N	33.917
IC5-2	INTEGRATED CIRCUIT	74LS32N	TEXAS	74LS32N	33.599
IC6-2	INTEGRATED CIRCUIT	EPROM 16K X 8-300ns	ESPERA	16K x 8	700212
IC7-2	INTEGRATED CIRCUIT	EPROM 8K x 8-300ns	ESPERA	8K x 8	700213
IC8-2	INTEGRATED CIRCUIT	MB8416	FUJITSU	MB8416-25M	32.765
IC9-2	INTEGRATED CIRCUIT	SPEACH PROCESSOR	N.E.C.	uPD7752	31.521
IC10-2	INTEGRATED CIRCUIT	PROM 32 x 8	ESPERA	32 BYTE	700214
IC11-2	INTEGRATED CIRCUIT	8253-5	*INTEL	8253-5	32.756
IC12-2	INTEGRATED CIRCUIT	QUAD VOLTAGE COMPERATOR	* NATIONAL	LM339N	31.075
IC13-2	INTEGRATED CIRCUIT	74LS74N	* TEXAS	74LS74N	33.727
IC14-2	INTEGRATED CIRCUIT	7406N	TEXAS	7406N	33.521
IC15-2	INTEGRATED CIRCUIT	7406N	TEXAS	7406N	33.521
IC16-2	INTEGRATED CIRCUIT	7406N	TEXAS	7406N	33.521
IC17-2	INTEGRATED CIRCUIT	TLO72CP	TEXAS	TLO72CP	31.710
IC18-2	POWER AUDIO AMPLIFIER	TDA1013A	PHILIPS	TDA1013A	31.455
IC19-2	VOLTAGE REGULATOR	LM78L05ACZ	NATIONAL	LM78L05ACZ 5% PL.HUS	31.135
IC20-2	OPTO COUPLER	4N27	MOTOROLA	4N27	32.512
IC21-2	OPTO COUPLER	4N32	MOTOROLA	4N32	32.510
R1-2	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R2-2	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R3-2	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R4-2	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R5-2	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R6-2	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R7-2	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R8-2	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R9-2	RESISTOR	22 KOHM 5% 0.33W	PHILIPS	2322 181 13223	01.233
R10-2	RESISTOR	1 KOHM 5% 0.33W	PHILIPS	2322 181 13102	01.200
R13-2	RESISTOR	1 KOHM 5% 0.33W	PHILIPS	2322 181 13102	01.200
R14-2	RESISTOR	1 KOHM 5% 0.33W	PHILIPS	2322 181 13102	01.200
R15-2	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R16-2	RESISTOR	22 KOHM 5% 0.33W	PHILIPS	2322 181 13223	01.233
R17-2	RESISTOR	22 KOHM 5% 0.33W	PHILIPS	2322 181 13223	01.233
R18-2	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225

POSITION	DESCRIPTION		MANUFACTOR	TYPE	S.P.NUMBER
R19-2	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R20-2	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R21-2	RESISTOR	1 KOHM 5% 0.33W	PHILIPS	2322 181 13102	01.200
R22-2	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R23-2	RESISTOR	100 KOHM 5% 0.33W	PHILIPS	2322 181 13104	01.250
R24-2	RESISTOR	100 KOHM 5% 0.33W	PHILIPS	2322 181 13104	01.250
R25-2	RESISTOR	39 KOHM 5% 0.33W	PHILIPS	2322 181 13393	01.239
R26-2	RESISTOR	1 KOHM 5% 0.33W	PHILIPS	2322 181 13102	01.200
R27-2	RESISTOR	39 KOHM 5% 0.33W	PHILIPS	2322 181 13393	01.239
R28-2	RESISTOR	3.9 KOHM 5% 0.33W	PHILIPS	2322 181 13392	01.214
R29-2	RESISTOR	56 KOHM 5% 0.33W	PHILIPS	2322 181 13563	01.243
R30-2	RESISTOR	5.1 KOHM 5% 0.33W	PHILIPS	2322 181 13512	01.217
R31-2	POTENTIOMETER TRIMMING	1 KOHM 20% 0.3W	NOBLE	TH8-KV2-1S	07.784
R32-2	RESISTOR	560 OHM 5% 0.33W	PHILIPS	2322 181 13561	01.193
R33-2	RESISTOR	91 OHM 5% 0.33W	PHILIPS	2322 181 13919	01.174
R34-2	RESISTOR	1 KOHM 5% 0.33W	PHILIPS	2322 181 13102	01.200
R35-2	RESISTOR	27 KOHM 5% 0.33W	PHILIPS	2322 181 13273	01.235
R36-2	RESISTOR	300 KOHM 5% 0.33W	PHILIPS	2322 181 13304	01.261
R37-2	RESISTOR	5.6 KOHM 5% 0.33W	PHILIPS	2322 181 13562	01.218
R38-2	RESISTOR	1.8 KOHM 5% 0.33W	PHILIPS	2322 181 13182	01.206
R39-2	RESISTOR	1 KOHM 5% 0.33W	PHILIPS	2322 181 13102	01.200
R40-2	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R42-2	RESISTOR	1 KOHM 5% 0.33W	PHILIPS	2322 181 13102	01.200
R43-2	RESISTOR	560 OHM 5% 0.33W	PHILIPS	2322 181 13561	01.193
R44-2	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R45-2	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R46-2	RESISTOR	1 KOHM 5% 0.33W	PHILIPS	2322 181 13102	01.200
R49-2	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R50-2	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R51-2	RESISTOR	1.2 KOHM 5% 0.33W	PHILIPS	2322 181 13122	01.202
R53-2	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R54-2	RESISTOR	220 KOHM 5% 0.33W	PHILIPS	2322 181 13224	01.258
R55-2	RESISTOR	3.3 OHM 5% 0.33W	PHILIPS	2322 181 13338	01.137
R56-2	POTENTIOMETER TRIMMING	100 OHM 0.75W	AB ELECTRONIC	HC-10	07.708
R57-2	RESISTOR	100 OHM 5% 0.33W	PHILIPS	2322 181 13101	01.175
R58-2	RESISTOR	4.7 KOHM 5% 0.33W	PHILIPS	2322 181 13472	01.216
R59-2	RESISTOR	270 OHM 5% 0.33W	PHILIPS	2322 181 13271	01.185
R60-2	RESISTOR	2.2 KOHM 5% 0.33W	PHILIPS	2322 181 13222	01.208
R61-2	RESISTOR	3.9 KOHM 5% 0.33W	PHILIPS	2322 181 13392	01.214
R62-2	RESISTOR	560 OHM 5% 0.33W	PHILIPS	2322 181 13561	01.193
R63-2	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R64-2	RESISTOR	1 KOHM 5% 0.33W	PHILIPS	2322 181 13102	01.200
R65-2	RESISTOR	2.0 KOHM 5% 0.33W	PHILIPS	2322 181 13202	01.207
R66-2	RESISTOR	3.9 KOHM 5% 0.33W	PHILIPS	2322 181 13392	01.214

POSITION	DESCRIPTION		MANUFACTOR	TYPE	S.P.NUMBER
R67-2	RESISTOR	8.2 KOHM 5% 0.33W	PHILIPS	2322 181 13822	01.222
R68-2	RESISTOR	150 KOHM 5% 0.33W	PHILIPS	2322 181 13154	01.254
R69-2	RESISTOR	27 KOHM 5% 0.33W	PHILIPS	2322 181 13273	01.235
R70-2	RESISTOR	18 KOHM 5% 0.33W	PHILIPS	2322 181 13183	01.231
R71-2	RESISTOR	150 KOHM 5% 0.33W	PHILIPS	2322 181 13154	01.254
R72-2	RESISTOR	18 KOHM 5% 0.33W	PHILIPS	2322 181 13183	01.231
R73-2	RESISTOR	150 KOHM 5% 0.33W	PHILIPS	2322 181 13154	01.254
T1-2	TRANSISTOR	BC547B	* ITT	BC547B	28.067
T2-2	TRANSISTOR	BC547B	* ITT	BC547B	28.067
T3-2	TRANSISTOR	BC557B	* ITT	BC557B	28.091
T4-2	TRANSISTOR	BC547B	* ITT	BC547B	28.067
T7-2	TRANSISTOR	BC547B	* ITT	BC547B	28.067
T8-2	TRANSISTOR	BC547B	* ITT	BC547B	28.067
T9-2	TRANSISTOR	BC557B	* ITT	BC557B	28.091
T10-2	TRANSISTOR	BC557B	* ITT	BC557B	28.091
X1-2	CRYSTAL	7.1456 MHZ	DANTRONIC	SP C1048	39.950

POSITION	DESCRIPTION	MODULE 3	MANUFACTOR	TYPE	S.P. NUMBER
	KEYBOARD UNIT		ESPERA	PRINT NR 5-0-24010	600104
C1-3	CAPACITOR CERAMIC	100nF -20/+80% 63V	AVX	SR215E104ZAA	15.250
C2-3	CAPACITOR POLYSTYRENE	2.2nF 1% 250V	PHILIPS	2222 426 42202	10.362
C3-3	CAPACITOR POLYSTYRENE	680pF 1% 250V	PHILIPS	2222 426 46801	10.346
C4-3	CAPACITOR ELECTROLYTIC	47uF 20% 25V	* ERO	EK100BB247E	14.524
C5-3	CAPACITOR CERAMIC	100nF -20/+80% 63V	AVX	SR215E104ZAA	15.250
C6-3	CAPACITOR CERAMIC	100nF -20/+80% 63V	AVX	SR215E104ZAA	15.250
C7-3	CAPACITOR CERAMIC	100nF -20/+80% 63V	AVX	SR215E104ZAA	15.250
C8-3	CAPACITOR CERAMIC	100nF -20/+80% 63V	AVX	SR215E104ZAA	15.250
C9-3	CAPACITOR CERAMIC	100nF -20/+80% 63V	AVX	SR215E104ZAA	15.250
D1-3	DIODE LIGHT EMITTING	YELLOW 5mm	SANKEN	SEL1910D	25.630
D2-3	DIODE LIGHT EMITTING	ORANGE 5mm	SANKEN	SEL 1913K	25.631
D3-3	DIODE LIGHT EMITTING	ORANGE 5mm	SANKEN	SEL 1913K	25.631
D4-3	DIODE LIGHT EMITTING	ORANGE 5mm	SANKEN	SEL 1913K	25.631
D5-3	DIODE LIGHT EMITTING	YELLOW 5mm	SANKEN	SEL1910D	25.630
D6-3	DIODE LIGHT EMITTING	ORANGE 5mm	SANKEN	SEL 1913K	25.631
IC1-3	INTEGRATED CIRCUIT	MC1455P1	* MOTOROLA	MC1455P1	31.205
IC2-3	INTEGRATED CIRCUIT	PCE 2110P	PHILIPS	PCE 2110P	31.535
IC3-3	INTEGRATED CIRCUIT	74LS164N	* TEXAS	SN74LS164N	33.960
IC4-3	INTEGRATED CIRCUIT	74LS165N	TEXAS	SN74LS165N	33.961
LCD 1-3	LIQUID CRYSTAL DISPLAY	LCD 3385-365-923/CRY2001	HAMLIN	SP TG.0-3-23887 HAMLIN TG.3385-365-923	25.706
P1-3	PLUG (MALE)	9 POLE	AMP	0-826375-9	78.109
P2-3	PLUG (MALE)		BERG	75168-301-36	78.380
P3-3	PLUG (MALE)	2 POLE	AMP	0-826375-2	78.102
R1-3	RESISTOR	4.7 KOHM 5% 0.33W	PHILIPS	2322 181 13472	01.216
R2-3	RESISTOR	1.8 KOHM 5% 0.33W	PHILIPS	2322 181 13182	01.206
R3-3	RESISTOR	1 MOHM 5% 0.33W	PHILIPS	2322 181 13105	01.275
R4-3	RESISTOR	39 OHM 5% 0.33W	PHILIPS	2322 181 13399	01.164
R5-3	RESISTOR	39 OHM 5% 0.33W	PHILIPS	2322 181 13399	01.164
R6-3	RESISTOR	39 OHM 5% 0.33W	PHILIPS	2322 181 13399	01.164
R7-3	RESISTOR	39 OHM 5% 0.33W	PHILIPS	2322 181 13399	01.164
R8-3	RESISTOR	39 OHM 5% 0.33W	PHILIPS	2322 181 13399	01.164
R9-3	RESISTOR	39 OHM 5% 0.33W	PHILIPS	2322 181 13399	01.164
R10-3	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R11-3	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R12-3	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R13-3	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R14-3	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R15-3	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R16-3	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225
R17-3	RESISTOR	10 KOHM 5% 0.33W	PHILIPS	2322 181 13103	01.225

POSITION	DESCRIPTION	MANUFACTOR	TYPE	S.P. NUMBER
R18-3	RESISTOR	PHILIPS	2322 181 13472	01.216
R19-3	RESISTOR	PHILIPS	2322 181 13203	01.232
R20-3	RESISTOR	PHILIPS	2322 181 13103	01.225
R21-3	RESISTOR	PHILIPS	2322 181 13472	01.216
R22-3	RESISTOR	PHILIPS	2322 181 13101	01.175
R23-3	RESISTOR	PHILIPS	2322 181 13101	01.175
T1-3	TRANSISTOR	* ITT	BC557B	28.091
T2-3	TRANSISTOR	* ITT	BC557B	28.091

POSITION	DESCRIPTION	MANUFACTOR	TYPE	S.P.NUMBER
	POWER SUPPLY	ESPERA	PRINT NR.5-0-24100B CRY 2001	600106
B1-5	BATTERY LITHIUM	SAFT	40LH220	47.000
C1-5	CAPACITOR MKT	SIEMENS	B32512-E1225-K000	11.406
C2-5	CAPACITOR MKT	SIEMENS	B32512-E1225-K000	11.406
C3-5	CAPACITOR MKT	SIEMENS	B32512-E1225-K000	11.406
C4-5	CAPACITOR POLYSTYRENE	PHILIPS	222 425 42202	10.284
C6-5	CAPACITOR ELECTROLYTIC	* ERO	EK100AA110H	14.506
C7-5	CAPACITOR MKT	SIEMENS	B32511-D1224-K000	11.227
C8-5	CAPACITOR MKT	SIEMENS	B32511-D1224-K000	11.227
C9-5	CAPACITOR ELECTROLYTIC	* ERO	EK100AA210F	14.512
C10-5	CAPACITOR ELECTROLYTIC	* ERO	EGD	14.730
			EG 03 MG 422 G	
C11-5	CAPACITOR MKT	SIEMENS	B32510-D3103-K000	11.290
C12-5	CAPACITOR MKT	PHILIPS	2222 344 55153	12.211
C13-5	CAPACITOR MKT	* PHILIPS	2222 344 55103	12.212
C14-5	CAPACITOR MKT	SIEMENS	B32510-D6222-K000	11.165
C15-5	CAPACITOR ELECTROLYTIC	* ERO	EK100BB222F	14.516
C16-5	CAPACITOR MKT	SIEMENS	B32510-D3104-K000	11.309
C17-5	CAPACITOR ELECTROLYTIC	ERO	EKM00FG347G	14.650
C18-5	CAPACITOR ELECTROLYTIC	ERO	EKM00FG347G	14.650
C19-5	CAPACITOR ELECTROLYTIC	ERO	EG03KE422D	14.714
C20-5	CAPACITOR ELECTROLYTIC	ERO	EKM00DD322E	14.647
C21-5	CAPACITOR ELECTROLYTIC	* ERO	EK100BB247E	14.524
C22-5	CAPACITOR ELECTROLYTIC	ERO	EKM00CC322C	14.630
C23-5	CAPACITOR MKT	SIEMENS	B32511-D1224-K000	11.227
C24-5	CAPACITOR MKT	SIEMENS	B32511-D1224-K000	11.227
C25-5	CAPACITOR MKT	SIEMENS	B32511-D1224-K000	11.227
C26-5	CAPACITOR MKT	SIEMENS	B32510-D3104-K000	11.309
C27-5	CAPACITOR CERAMIC	FERROPERM	9/0112.9	15.593
C28-5	CAPACITOR MKT	SIEMENS	B32510-D1104-K000	11.219
C29-5	CAPACITOR MKT	SIEMENS	B32510-D3103-K000	11.290
D1-5	DIODE	MOTOROLA	MR750	25.219
D2-5	DIODE ZENER	PHILIPS	BZX79C9V1	26.546
D3-5	DIODE	PHILIPS	BAV21	25.340
D4-5	DIODE	PHILIPS	AA119	25.250
D5-5	DIODE ZENER	THOMSON-CSF	BZV47C68	26.790
D6-5	DIODE	MOTOROLA	1N4934	25.155
D7-5	DIODE	MOTOROLA	1N4934	25.155
D8-5	DIODE	* MOTOROLA	MR850	25.225
D9-5	DIODE ZENER	* PHILIPS	BZX79C5V1	26.527
D10-5	DIODE ZENER	* PHILIPS	BZX79C5V1	26.527

POSITION	DESCRIPTION	MANUFACTOR	TYPE	S.P.NUMBER
F1-5	FUSE	WICKMANN	919201	45.552
IC1-5	PWM REGULATOR	TEXAS	TL494CN	31.487
IC2-5	OP AMP	SIEMENS	TAA761A	31.300
L2-5	CHOKE	ESPERA	TLO79	400079
L3-5	CHOKE	ESPERA	TLO79	400079
L4-5	CHOKE	ESPERA	TLO79	400079
OC1-5	OPTO-COUPLER	SIEMENS	Q62703-N0001-S002	32.530
R1-5	RESISTOR	PHILIPS	2322 181 13272	01.210
R2-5	RESISTOR	PHILIPS	2322 181 13222	01.208
R3-5	RESISTOR	PHILIPS	2322 181 13123	01.227
R4-5	RESISTOR	PHILIPS	2322 181 13183	01.231
R5-5	RESISTOR	PHILIPS	2322 181 13562	01.218
R6-5	RESISTOR	PHILIPS	2322 181 13103	01.225
R7-5	RESISTOR	PHILIPS	2322 181 13102	01.200
R8-5	RESISTOR	PHILIPS	2322 181 13472	01.216
R9-5	RESISTOR	PHILIPS	2322 181 13152	01.204
R10-5	RESISTOR	PHILIPS	2322 181 13103	01.225
R11-5	RESISTOR	PHILIPS	2322 181 13102	01.200
R12-5	RESISTOR	PHILIPS	2322 181 13392	01.214
R13-5	RESISTOR	PHILIPS	2322 181 13102	01.200
R14-5	RESISTOR	PHILIPS	2322 181 13272	01.210
R15-5	RESISTOR	PHILIPS	2322 181 13102	01.200
R16-5	RESISTOR	PHILIPS	2322 181 13229	01.158
R17-5	RESISTOR	PHILIPS	2322 181 13828	01.147
R18-5	RESISTOR	PHILIPS	2322 182 13189	01.357
R19-5	RESISTOR	PHILIPS	2322 181 13103	01.225
R20-5	RESISTOR	PHILIPS	2322 181 13154	01.254
R21-5	SHUNT	S.P.RADIO	6-0-23857	400381
R22-5	RESISTOR	PHILIPS	2322 181 13102	01.200
R23-5	RESISTOR	PHILIPS	2322 182 13279	03.160
R24-5	RESISTOR	PHILIPS	2322 181 13123	01.227
R25-5	RESISTOR	PHILIPS	2322 181 13182	01.206
R26-5	RESISTOR	PHILIPS	2322 181 13332	01.212
R27-5	RESISTOR	PHILIPS	2322 181 13562	01.218
R28-5	RESISTOR	PHILIPS	2322 181 13821	01.197
R29-5	RESISTOR	PHILIPS	2322 181 13102	01.200
R30-5	RESISTOR	PHILIPS	2322 181 13181	01.181
R31-5	RESISTOR	PHILIPS	2322 181 13681	01.195
R32-5	RESISTOR	PHILIPS	2322 181 13562	01.218
R33-5	RESISTOR	PHILIPS	2322 181 13101	01.175
R34-5	RESISTOR	PHILIPS	2322 181 13103	01.225
R35-5	RESISTOR	PHILIPS	2322 181 13102	01.200
R36-5	RESISTOR	PHILIPS	2322 181 13103	01.225
R37-5	RESISTOR	PHILIPS	2322 181 13103	01.225

POSITION	DESCRIPTION		MANUFACTOR	TYPE	S.P. NUMBER
R38-5	RESISTOR	2.2 KOHM 5% 0.33W	PHILIPS	2322 181 13222	01.208
R39-5	POTENTIOMETER TRIMMING	1 KOHM 10% 0.5W	* PHILIPS	2322 482 22102	07.660
R40-5	RESISTOR	2.2 KOHM 5% 0.33W	PHILIPS	2322 181 13222	01.208
T1-5	TRANSISTOR	BC557B	* ITT	BC557B	28.091
T2-5	TRANSISTOR	BC557B	* ITT	BC557B	28.091
T3-5	TRANSISTOR	BC640	PHILIPS	BC640	28.124
T4-5	TRANSISTOR	BD139	* MOTOROLA	BD139	29.060
T5-5	TRANSISTOR	BC547B	* ITT	BC547B	28.067
T6-5	TRANSISTOR	BC338-25	* PHILIPS	BC338-25	28.058
T7-5	TRANSISTOR	BC328-25	* PHILIPS	BC328-25	28.052
T8-5	TRANSISTOR	BC338-25	* PHILIPS	BC338-25	28.058
T9-5	TRANSISTOR	BUZ21	*SIEMENS	C67078-A1308-A002	29.400
T10-5	TRANSISTOR	2N2368	*MOTOROLA	2N2368 NOT PREFERRED	28.310
T11-5	TRANSISTOR	BC328-25	* PHILIPS	BC328-25	28.052
T12-5	THYRISTOR	BT151-500R	PHILIPS	BT151-500R	29.912
TR1-5	CHOKE	TL412	S.P.RADIO	6-0-24232	400412
TR2-5	TRANSFORMER	TD 4876	TRADANIA	TD4876	22.168

POSITION	DESCRIPTION		MANUFACTOR	TYPE	S.P. NUMBER
	MAIN CHASSIS CRY 2001	MODULE 6	ESPERA	CRYPTO	800105
C1-6	CAPACITOR MKT	0.68uF 10% 100V	SIEMENS	B32510-D1684-K	11.391
C2-6	CAPACITOR MKT	0.68uF 10% 100V	SIEMENS	B32510-D1684-K	11.391
J1-6	PLUG (FEMALE)	D-CONNECTOR 9 POLE	SOURIAU	DE9S-K78	78.757
J2-6	PLUG (FEMALE)	D-CONNECTOR 9 POLE	SOURIAU	DE9S-K78	78.757
J4-6	SUPPLY JACK (FEMALE)	MEK 60 BZ	HIRSCHMANN	973025-100	78.309
P3-6	PLUG (MALE)	D-CONNECTOR 9 POLE	SOURIAU	DEU9P-FO	78.735
P4-6	SUPPLY PLUG (MALE)	MESEI 60F	HIRSCHMANN	973021-100	78.311