

EMS52~EMS56

Service Manual

ALINCO INCORPORATED

TWIN 21 M.I.D. TOWER BUILDING 23F, 1-61, 2-CHOME,
SHIROMI CHUO-KU , OSAKA, 540-8580 JAPAN

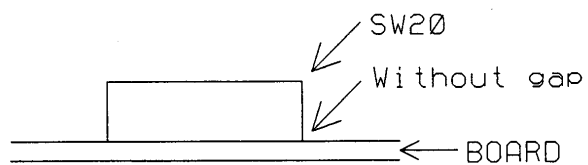
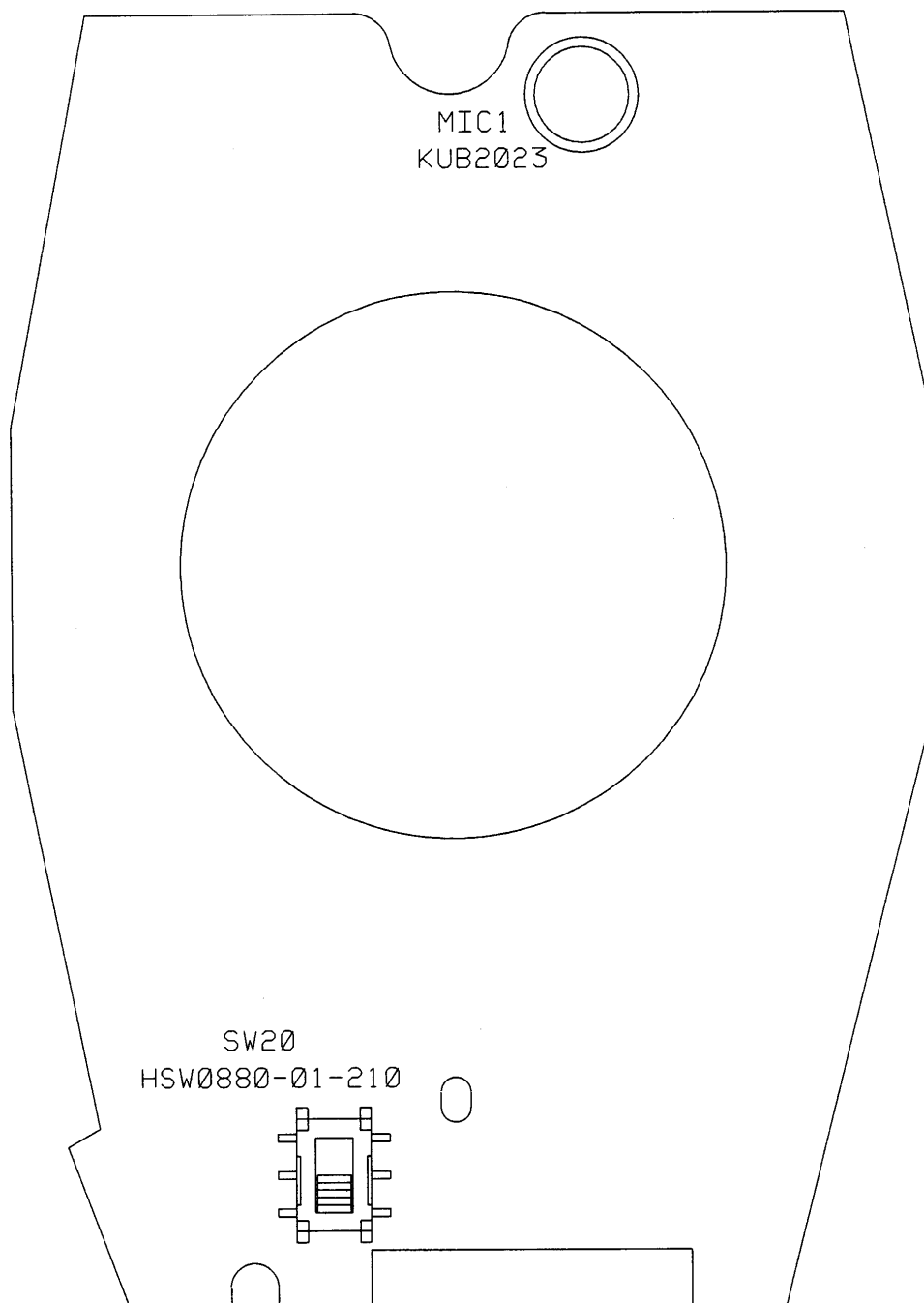
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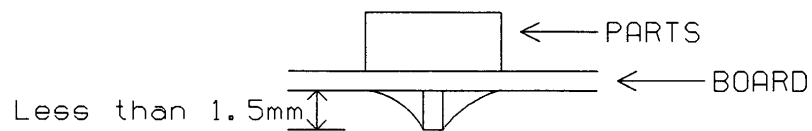
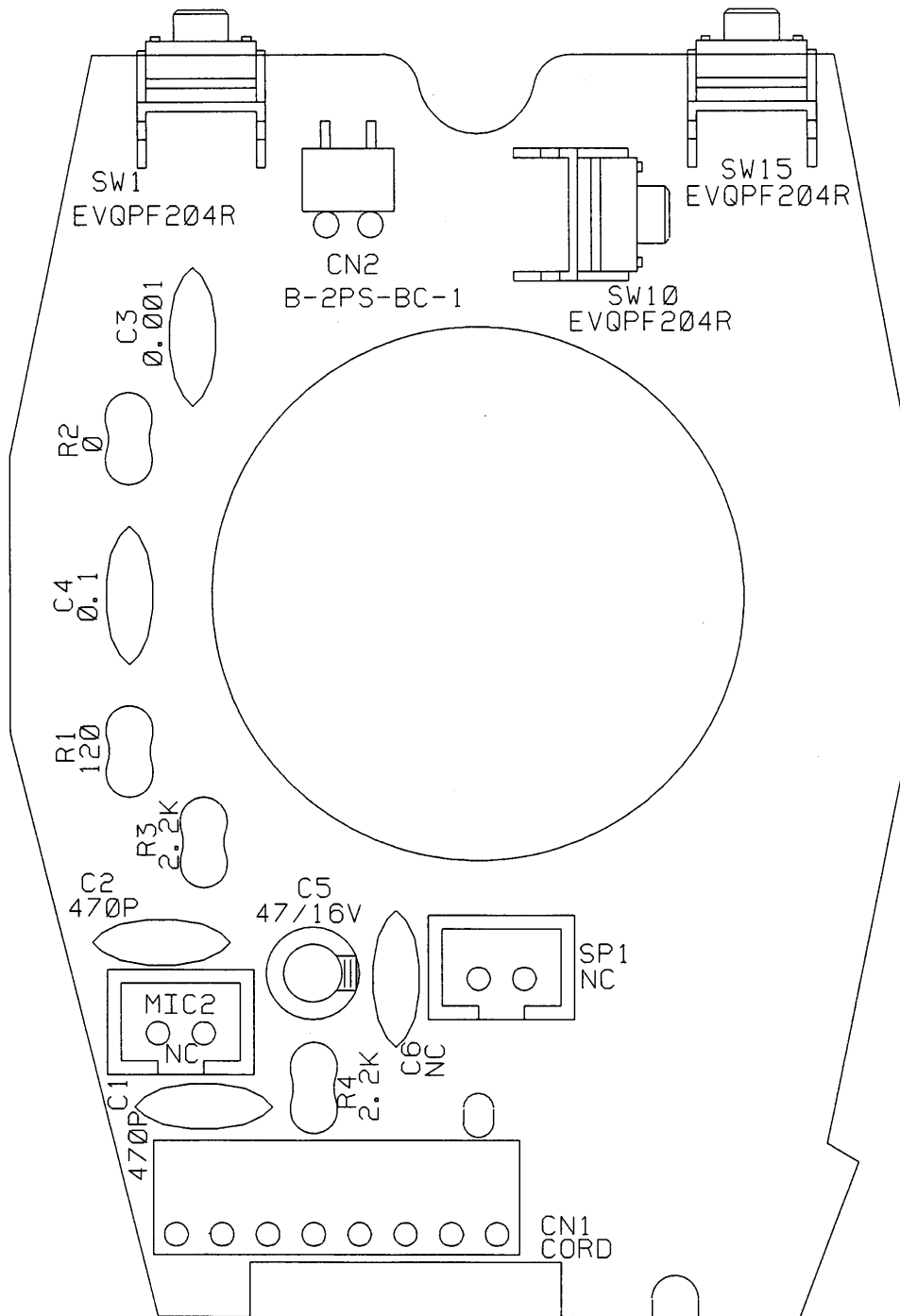
When installing the microphone, be careful with the polarity.

Model

EMS52-53



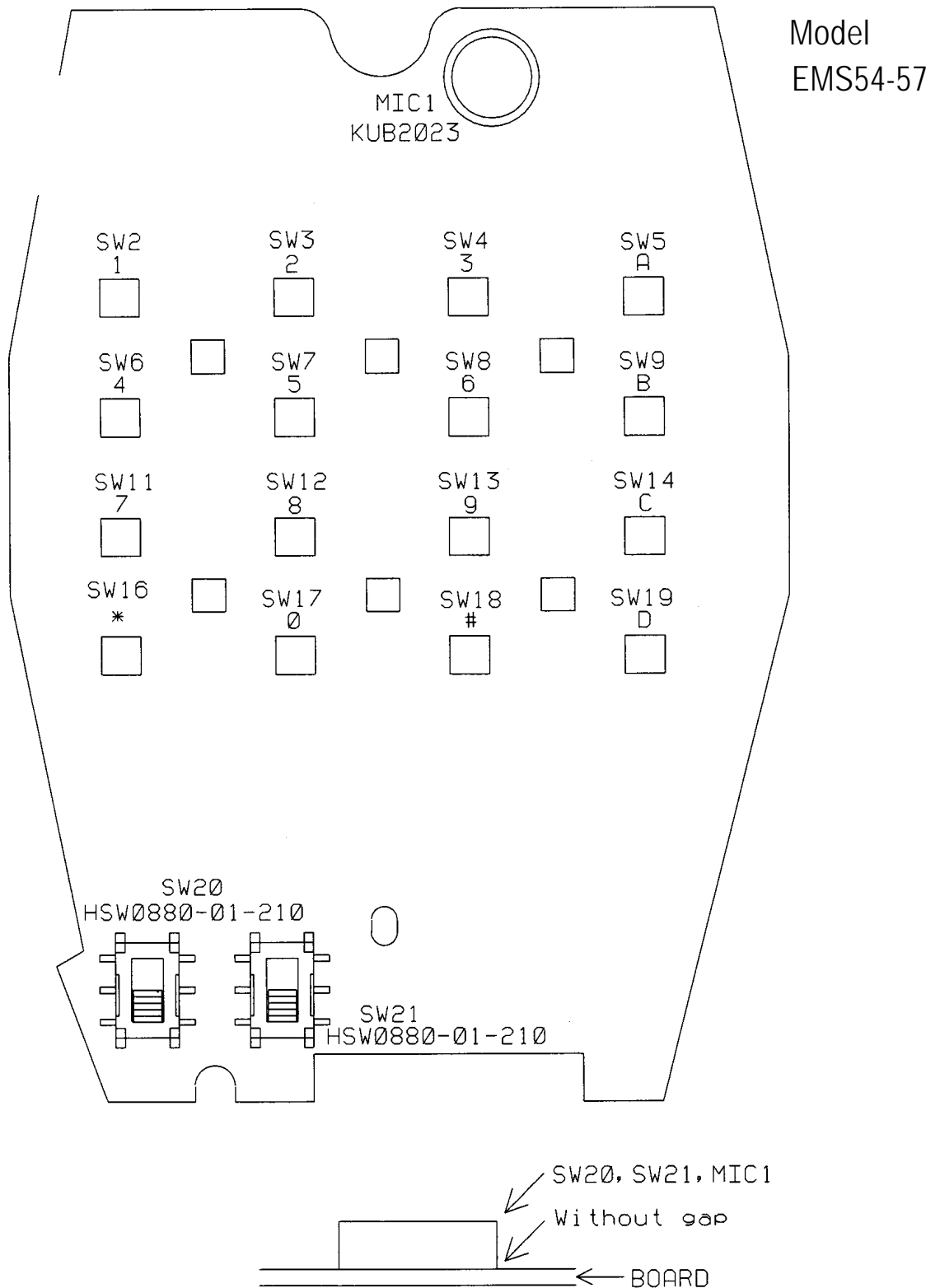
When inserting SW20 into the board,
don't allow any gap in between.



Cut the lead of parts less than 1.5mm.

Make the lead of resistor and capacitor between the board and the head of the components as short as possible.

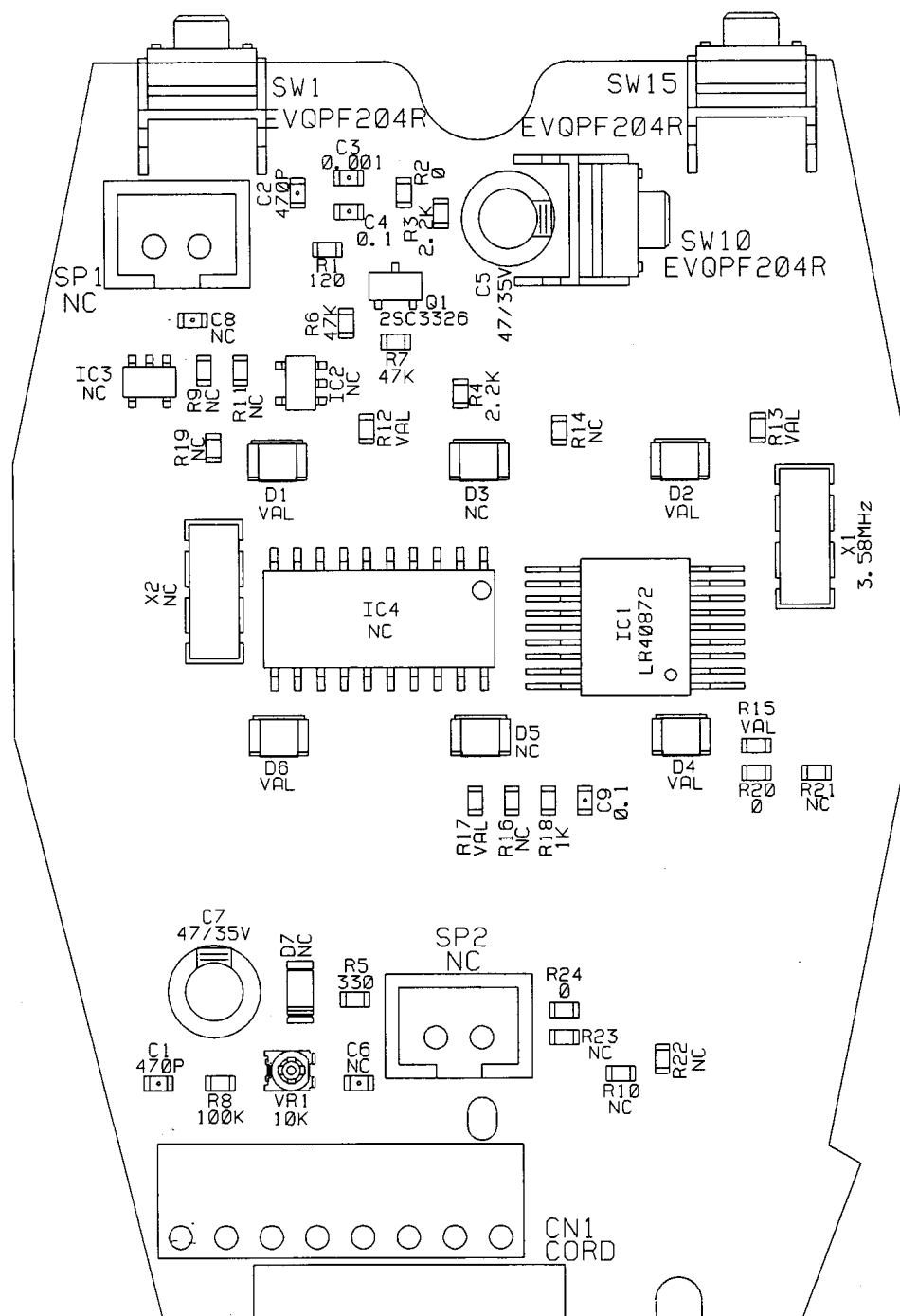
When installing the microphone, be careful with the polarity.



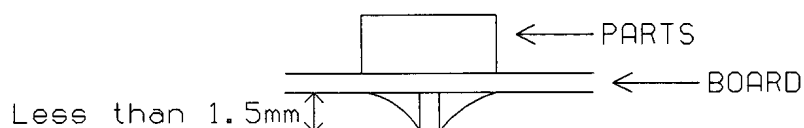
When inserting SW20, SW21 and MIC1 into the board,
don't allow any gap in between.

UP0383 A side (EMS54/55/56)
UP0418 A side (EMS57)

Model
EMS54-56



	EMS54	EMS55	EMS56
R12	NC	NC	330
R13	NC	NC	330
R15	NC	NC	330
R17	NC	NC	330
D1	NC	NC	AA1111R
D2	NC	NC	AA1111R
D4	NC	NC	AA1111R
D6	NC	NC	AA1111R



Cut the lead of parts less than 1.5mm.

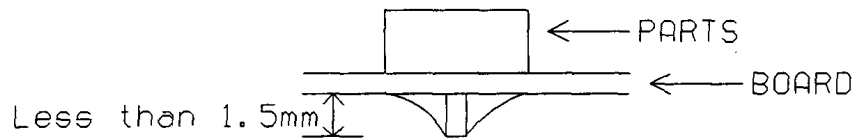
Make the lead of resistor and capacitor between the board and the head of the components as short as possible.

EMS54/55/56

UP0383 B side

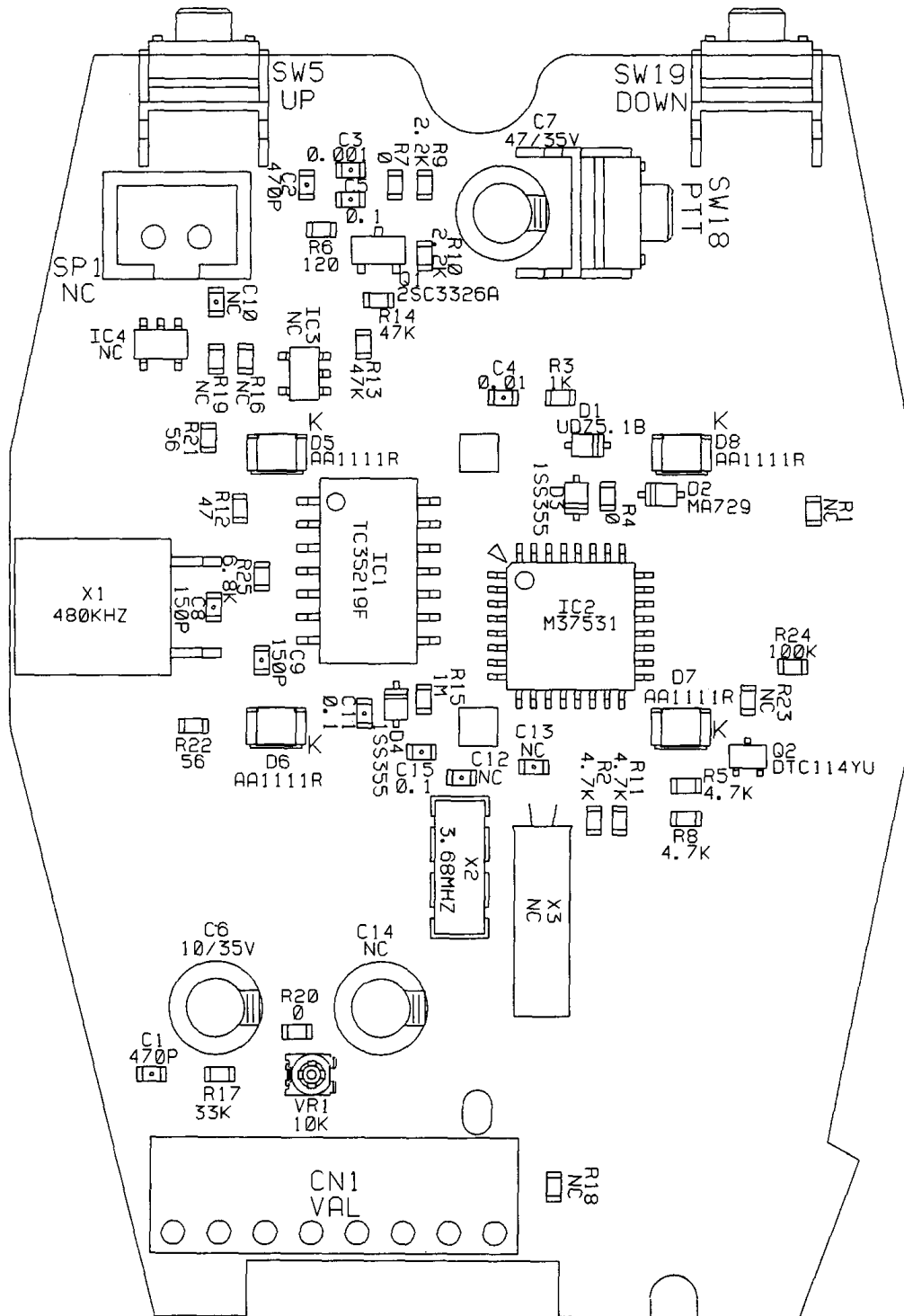
4 / 18B

Model
EMS57



Cut the lead of parts less than 1.5mm.

Make the lead of resistor and capacitor between the board and the head of the components as short as possible.



UP0418 B side (EMS57)

MIC and mic rubber to bord assembly		ALL PAGE	Model EMS52-57	PAGE 5 / 18
① MIC (EY0016) ② Mic rubber (FG0294) ③ board	number 1 1 1	<p><i>please be careful with the polarity.</i></p> <p><i>without gap</i></p> <p><i>pull the leg of mic rubber outside from board hole.</i></p>		
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coiled cord to board wiring

ALL PAGE

Model
EMS52-57

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①

board

number

1

②

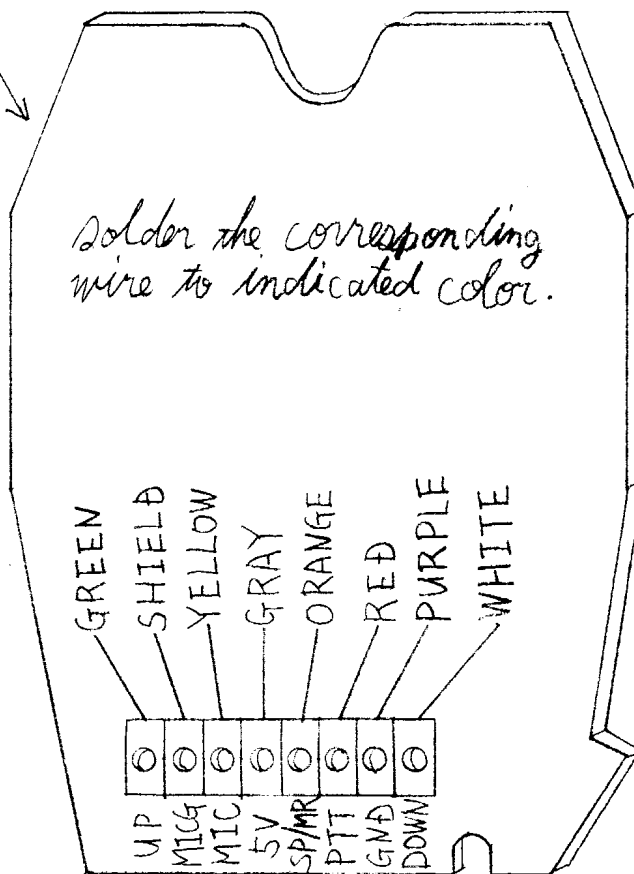
Coiled cord

1

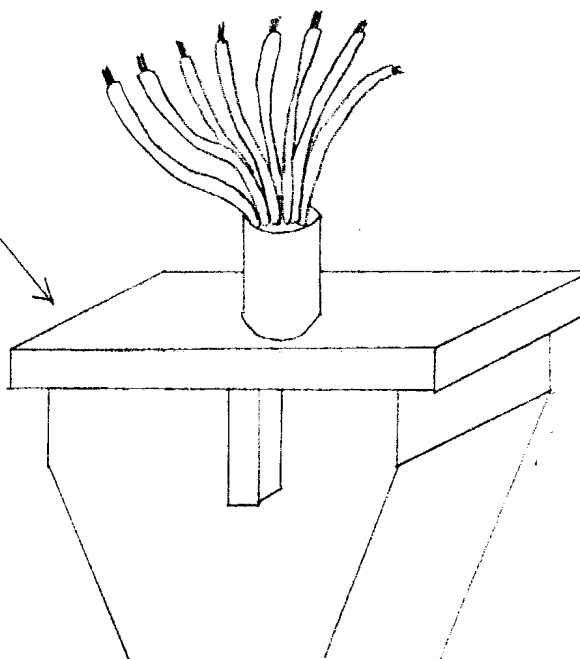
UE0356
(EMS52
EMS54)

UE0357
(EMS53
EMS55
EMS56
EMS57)

①



②



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Switch knob to board saembly

Model
EMS52-57

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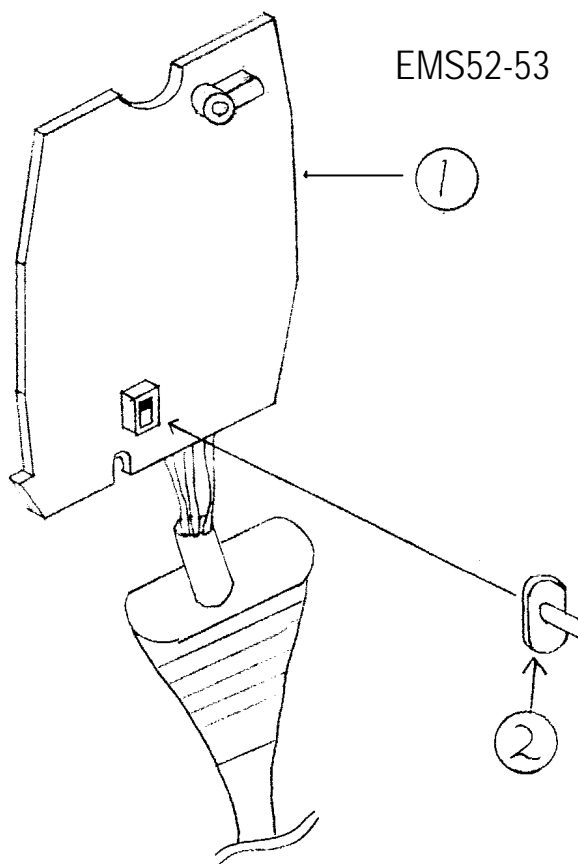
① board

1

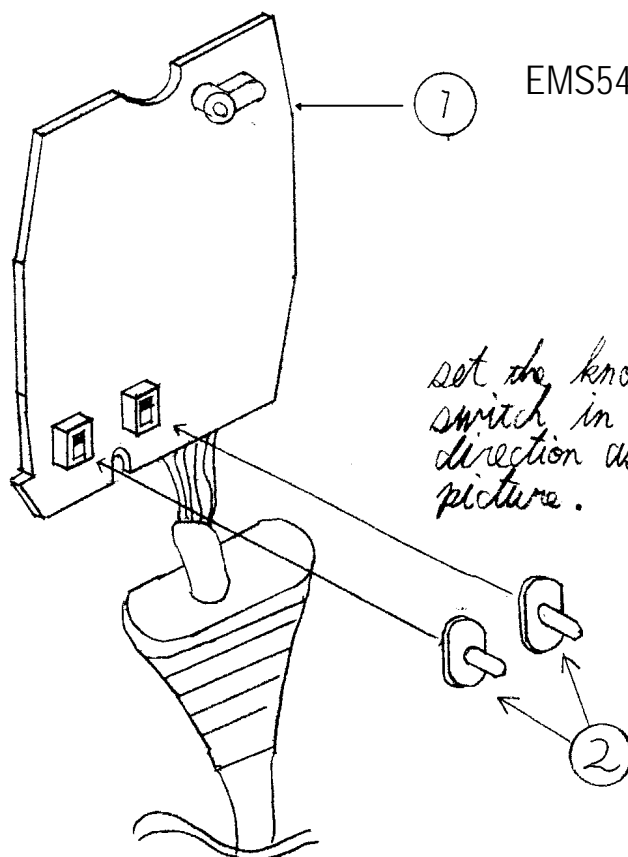
② Switch knob
(FP0143)

7

EMS52-53



EMS54-57



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weight to rear case assembly

① rear case
(KB0076)

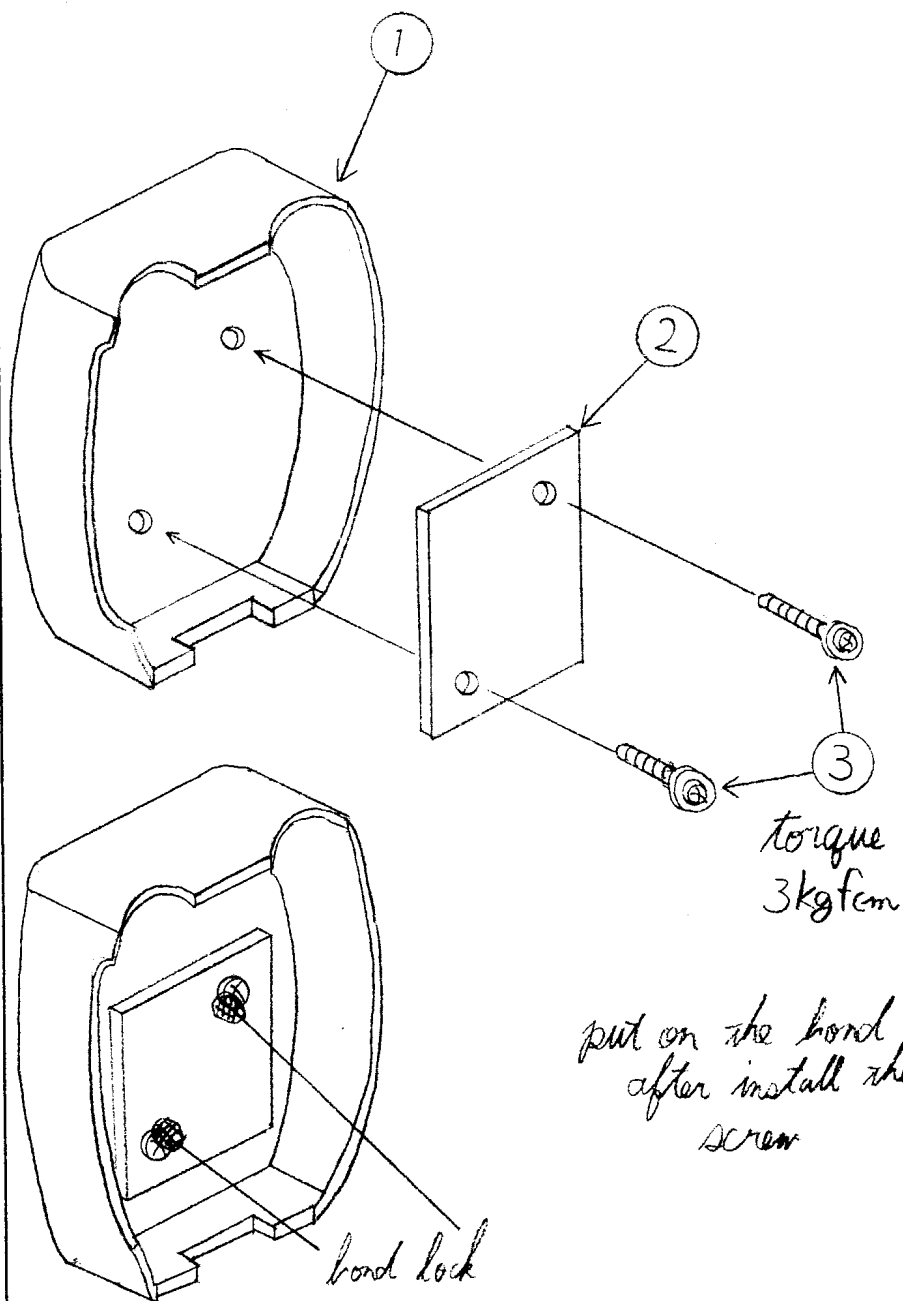
1

② weight
(FM0181)

1

③ screw
(AE0027)

2



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preparation of front case, rear case					ALL PAGE	Model EMS54-57	PAGE 10 / 18
① rear case (KB0076) ② weight (FM0181) ③ screw (AE0027) ④ front case KM0249(EMS54) KM0253(EMS55) KM0254(EMS56) KM0273(EMS57) ⑤ key pad (FG0295) ⑥ up-down key (FP0145)	number 1 1 2 1 1	<p>put on the bond after install the screw</p> <p>bond lock</p> <p>torque 3kgfcm</p> <p>Set the key pad to the front case in the same direction as with the picture.</p>					
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board to front case assembly

ALL PAGE

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EMS52-57

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① screw
(AP0004)

5

② up-down key
(FP0145)

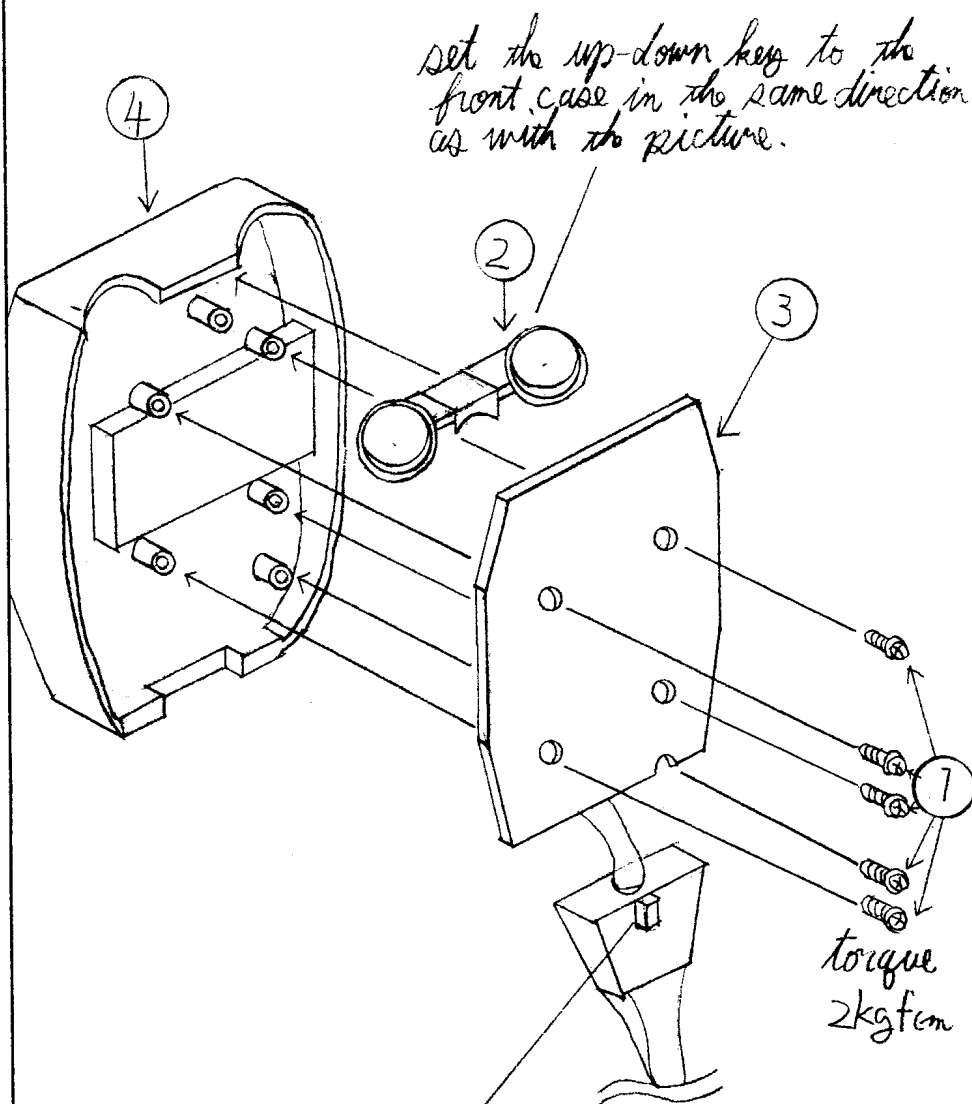
1

③ board

1

④ front case

1



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ptt knob to front case assembly

ALL PAGE	JOB	Model	PAGE
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① ptt cushion
(FG0298)

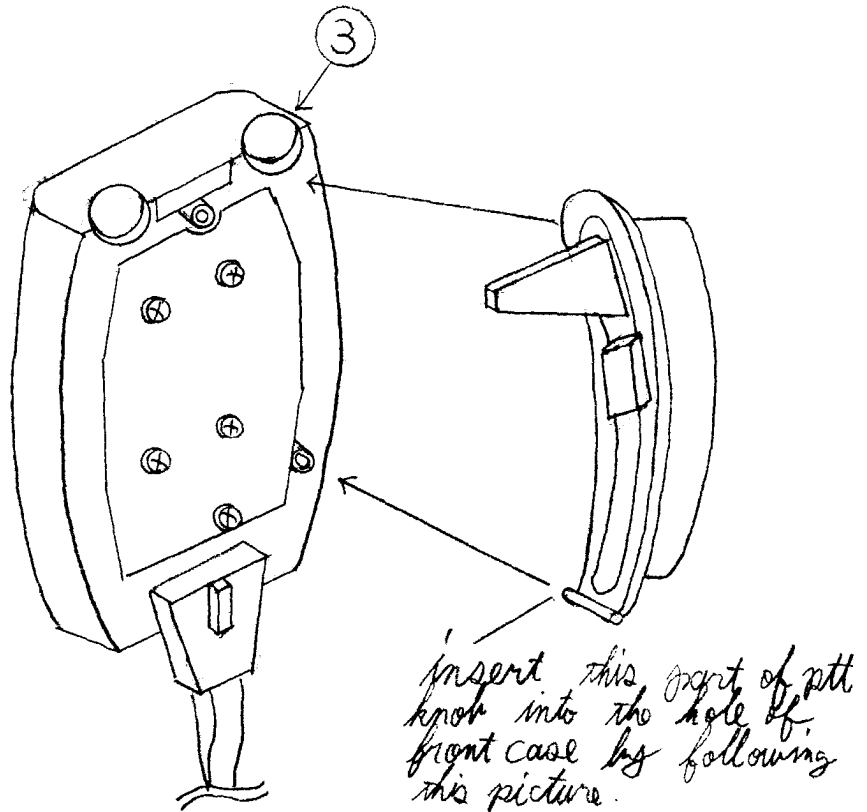
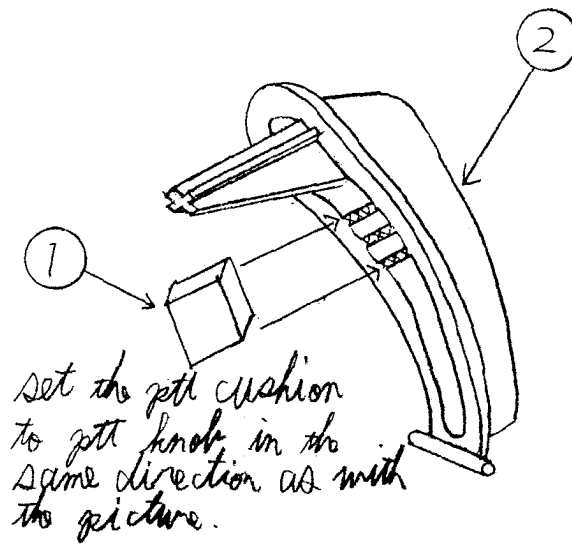
number
1

② ptt knob
(FP0144)

1

③ front case

1



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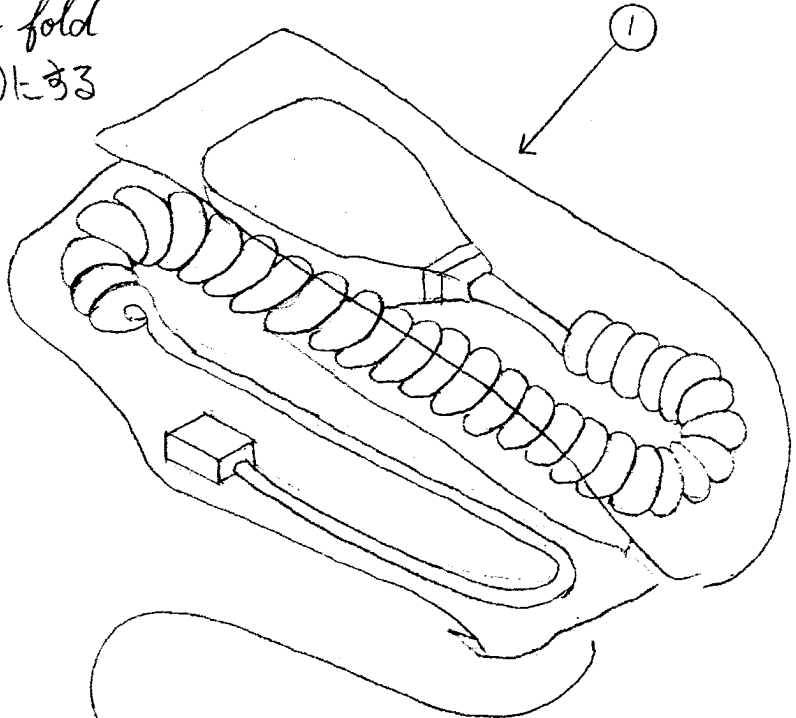
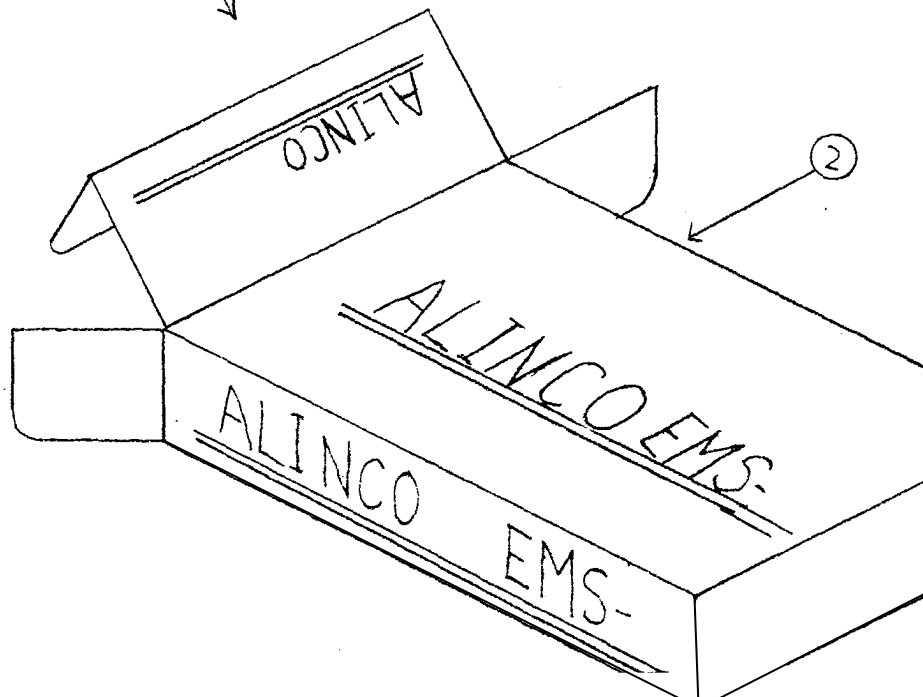
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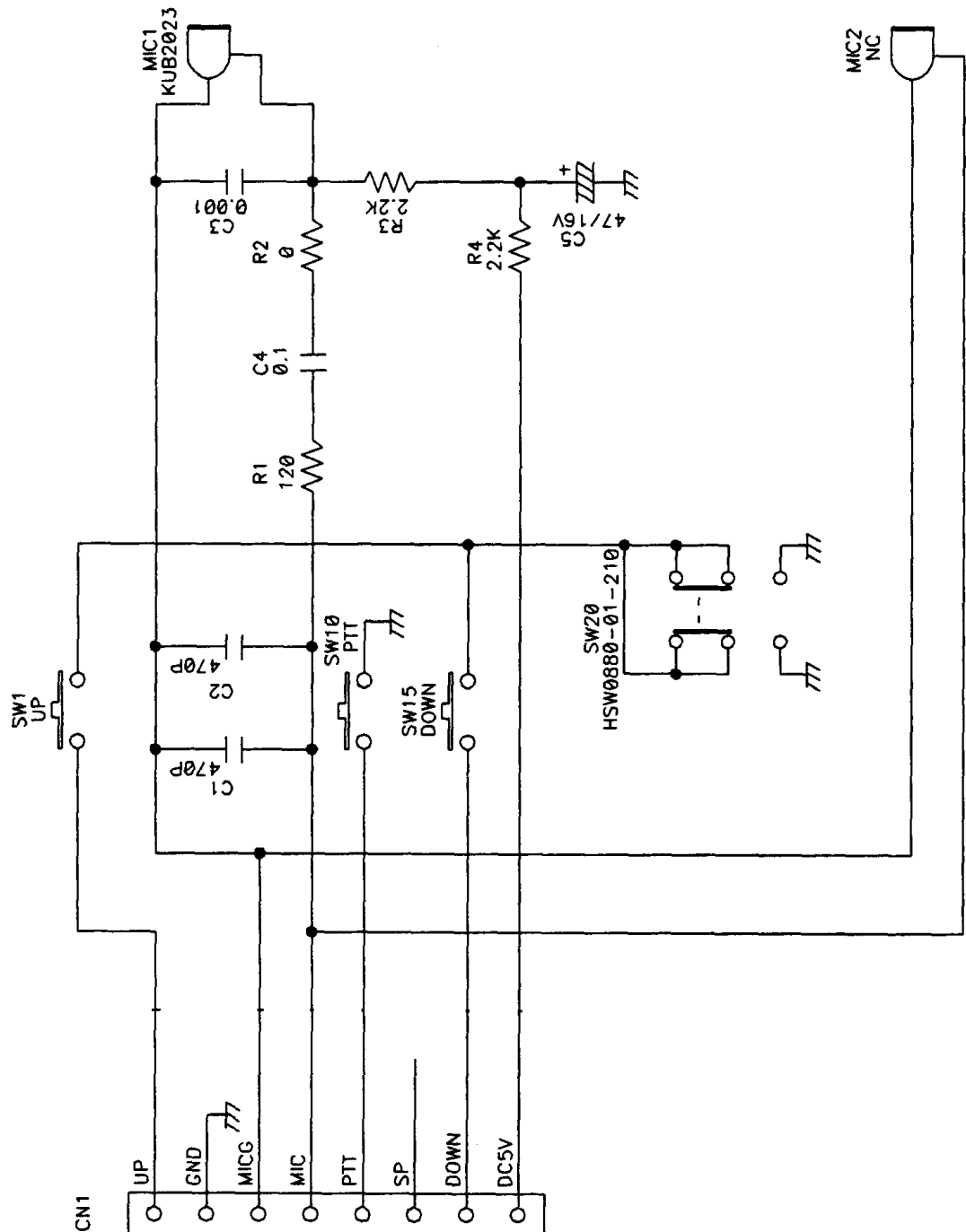
改定記号

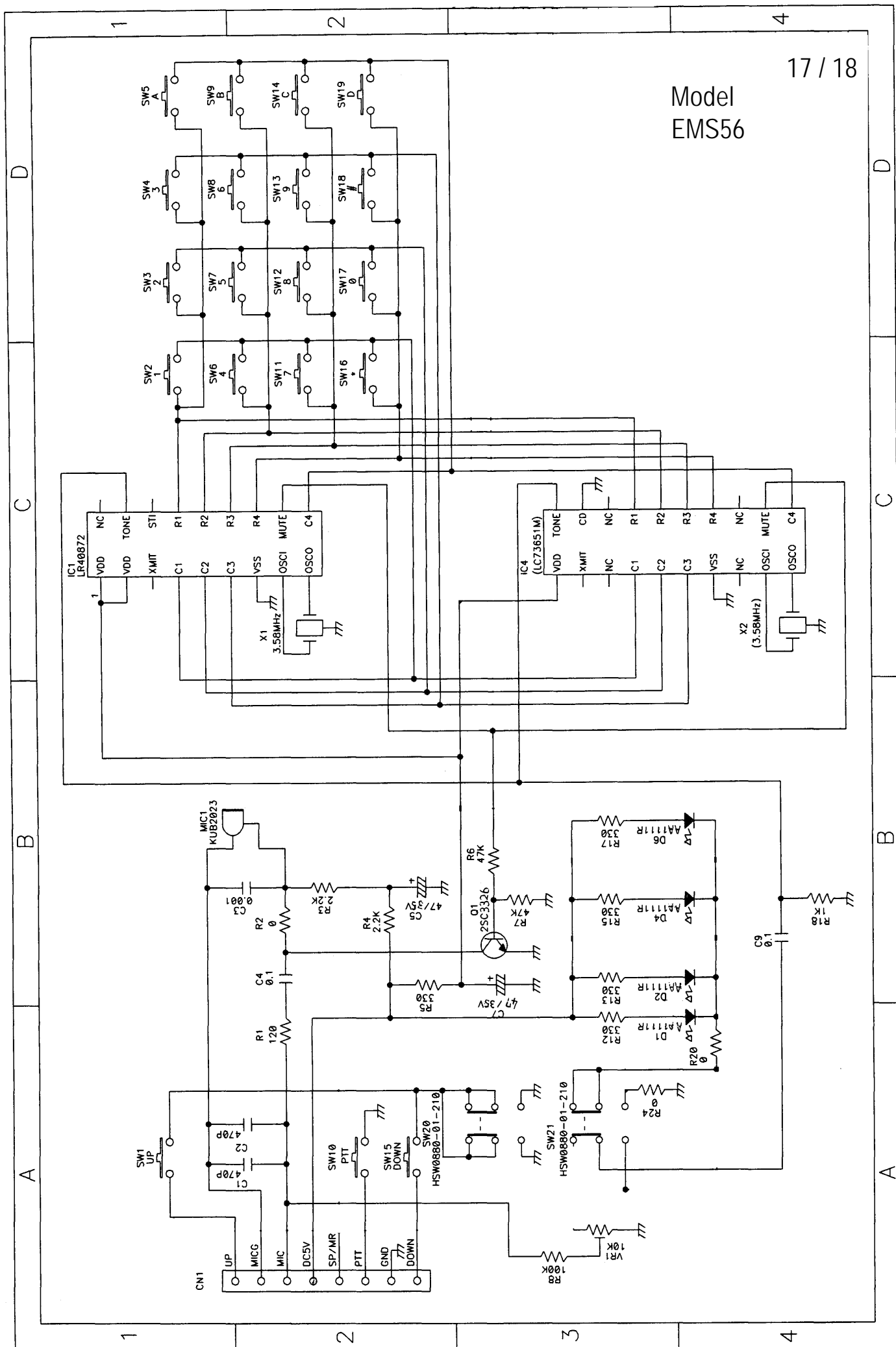
		ALL PAGE	JOB	Model	PAGE
Casing assembly				EMS52-57	13 / 18
① front case	number 1	<p>① torque 5.5 kgfcm</p> <p>⑤ torque 5.5 kgfcm</p>			
② rear case	1				
③ hook (FM0180)	1				
④ screw (AP0030)	1				
⑤ screw (AP0029)	2				
発行年月日	承認	承認	検印	担当	図番
改定記号 △AE2392					

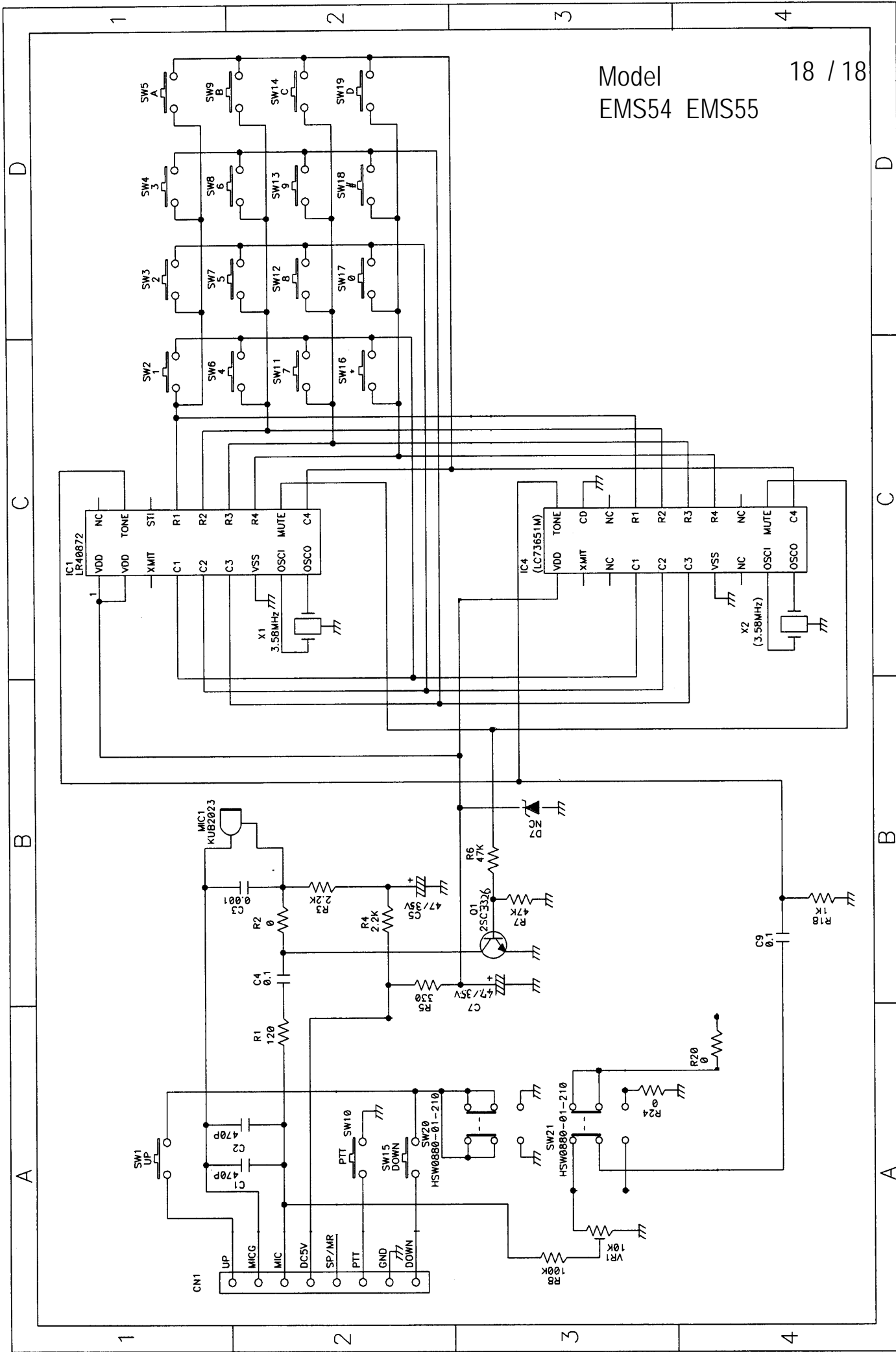
Package		ALL PAGE	Model EMS52-57	PAGE 14 / 18		
① mic ② plastic bag (HP0036) ③ tape (about 20mm) ④ PR0478	number 1 1 1	<p> ▲ Please put the DATA NO. SEAL on the plastic bag. </p>				
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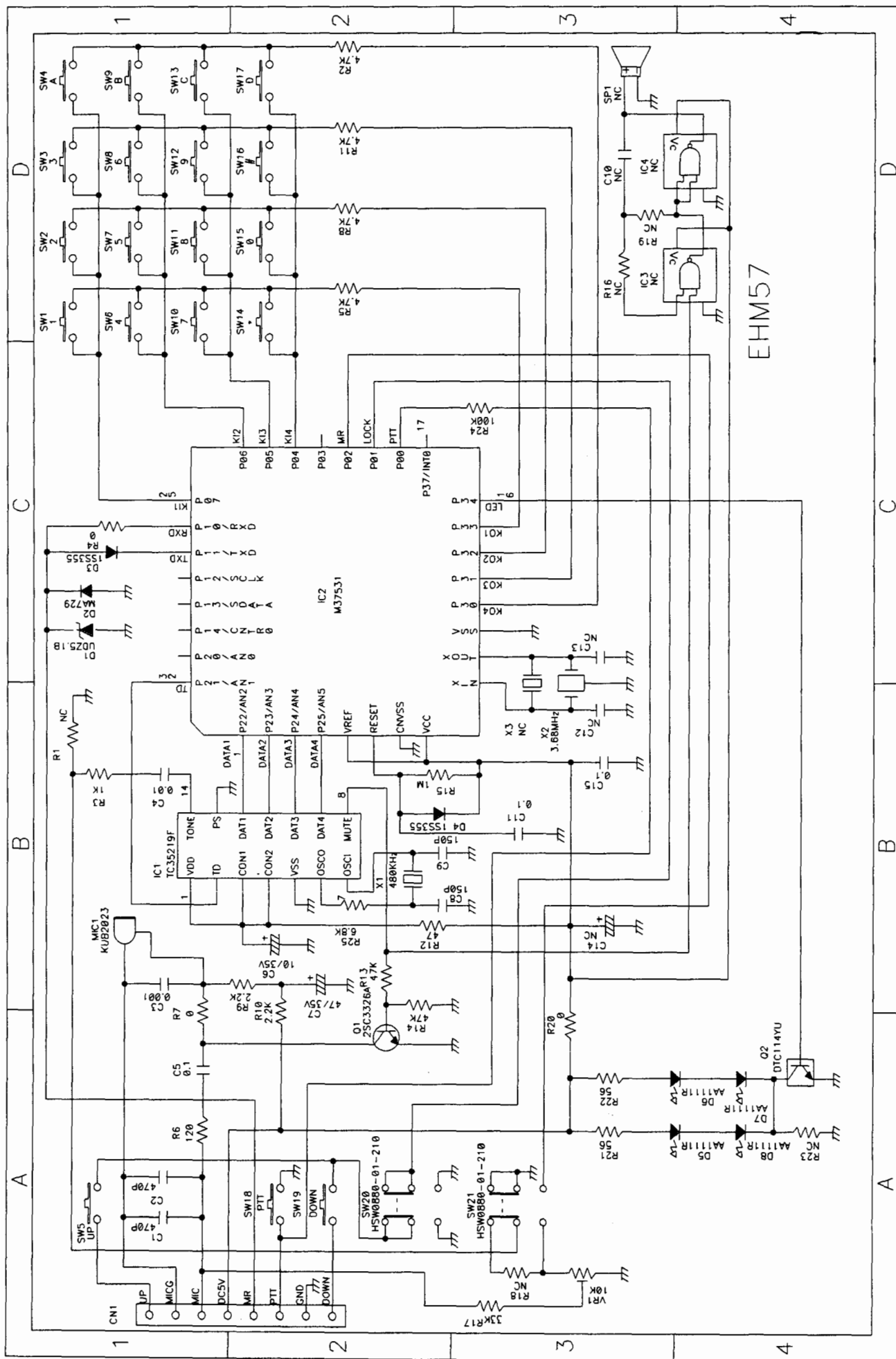
Package		Model EMS57	PAGE 14/18B		
① mic	number 7	<p>Please put on the DATA SEAL like the picture.</p> <p>about 1mm</p> <p>XX/234</p> <p>attach tape</p> <p>about 50mm</p>			
② plastic bag (HP0036)	7				
③ Tape (about 20mm)	7				
④ serial seal (PR0478)	7				
発行年月日	承認	承認	検印	担当	改定記号

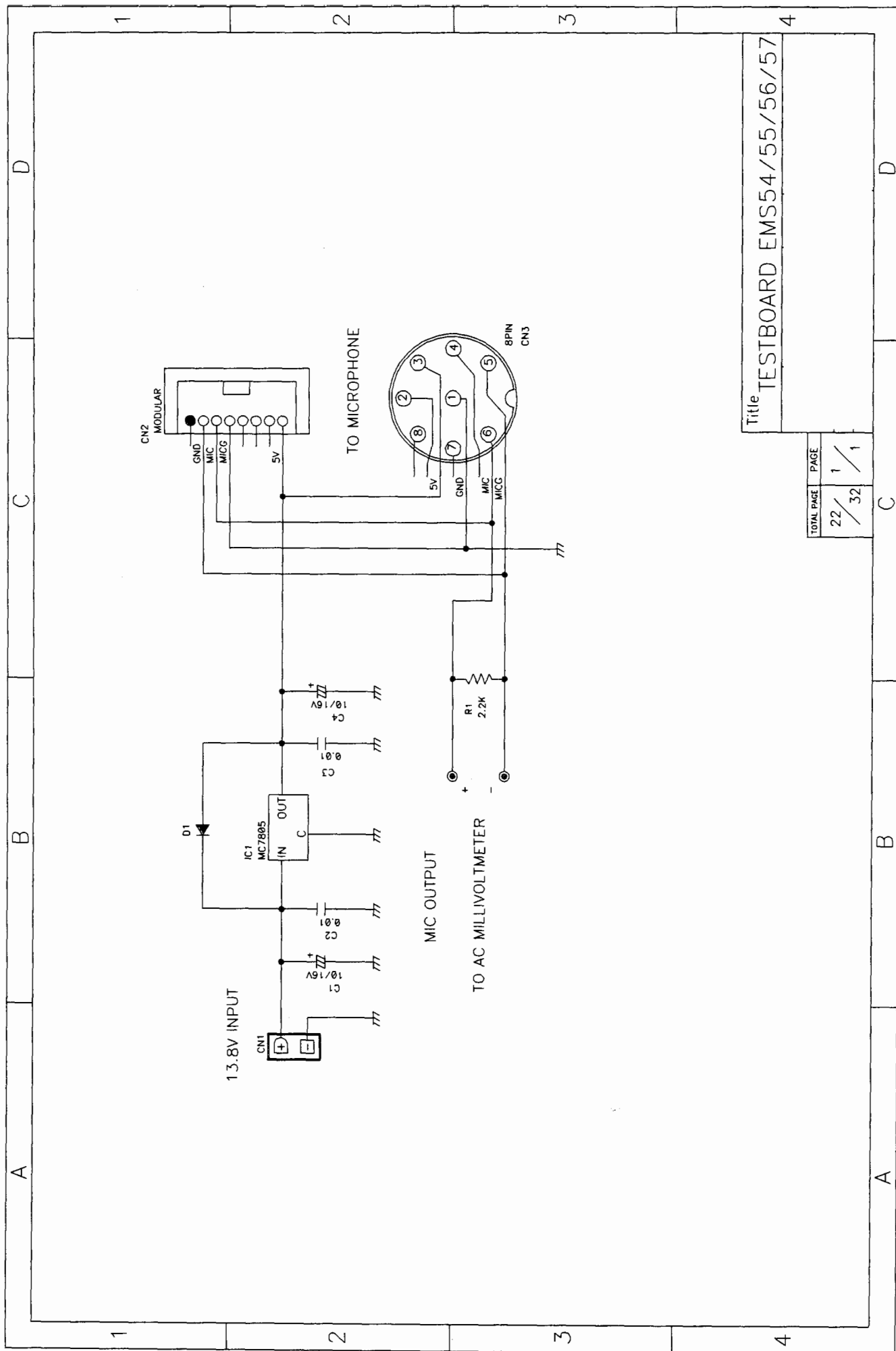
		ALL PAGE	Model	PAGE		
Package			EMS52-57	15 / 18		
① mic	2. 荷 1	<p>three-fold 三つ折りにする</p>  				
② package EMS54 (HK0477) EMS55 (HK0478) EMS56 (HK0479) EMS57 (HK0506)	1					
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Title TESTBOARD EMS54/55/56/57

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D

C

B

A