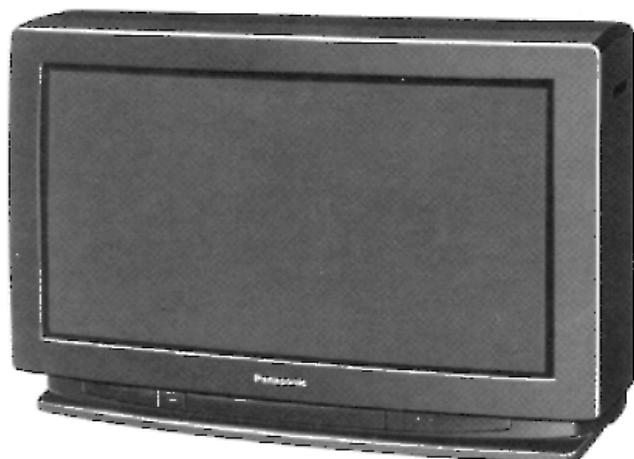


СЕРВИСНАЯ ИНСТРУКЦИЯ



Цветной телевизор

TC-24WG12H
TC-28WG12H

Шасси M17W



Технические характеристики

Расположение органов управления и печатных плат

Приемы обслуживания

Специальные сервисные процедуры

Функции режима заводских регулировок

Процедуры настройки

Расположение жгутов

Блок-схемы

- Питание, видеоблок
- Звук, блок управления

Принципиальные схемы

- Блок-схема ИС
- Плата Р
- Плата А
- Плата D
- Плата Н
- Плата Y1
- Платы F, Z
- Плата В
- Плата L
- Платы X1, X2, K1, K2
- Плата G/Таблица сигналограмм

Расположение деталей и перечень механических узлов

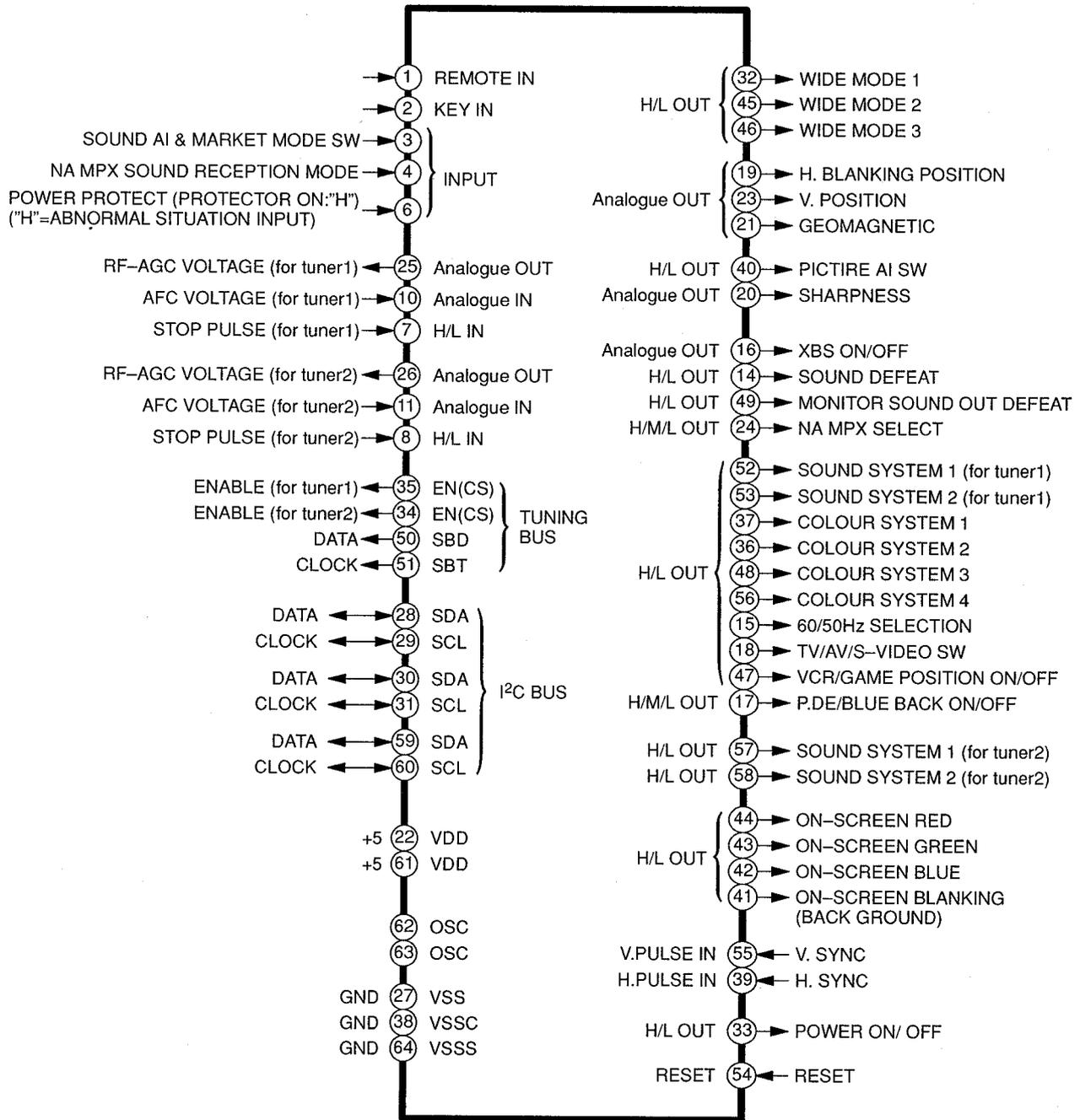
Перечень элементов

Panasonic

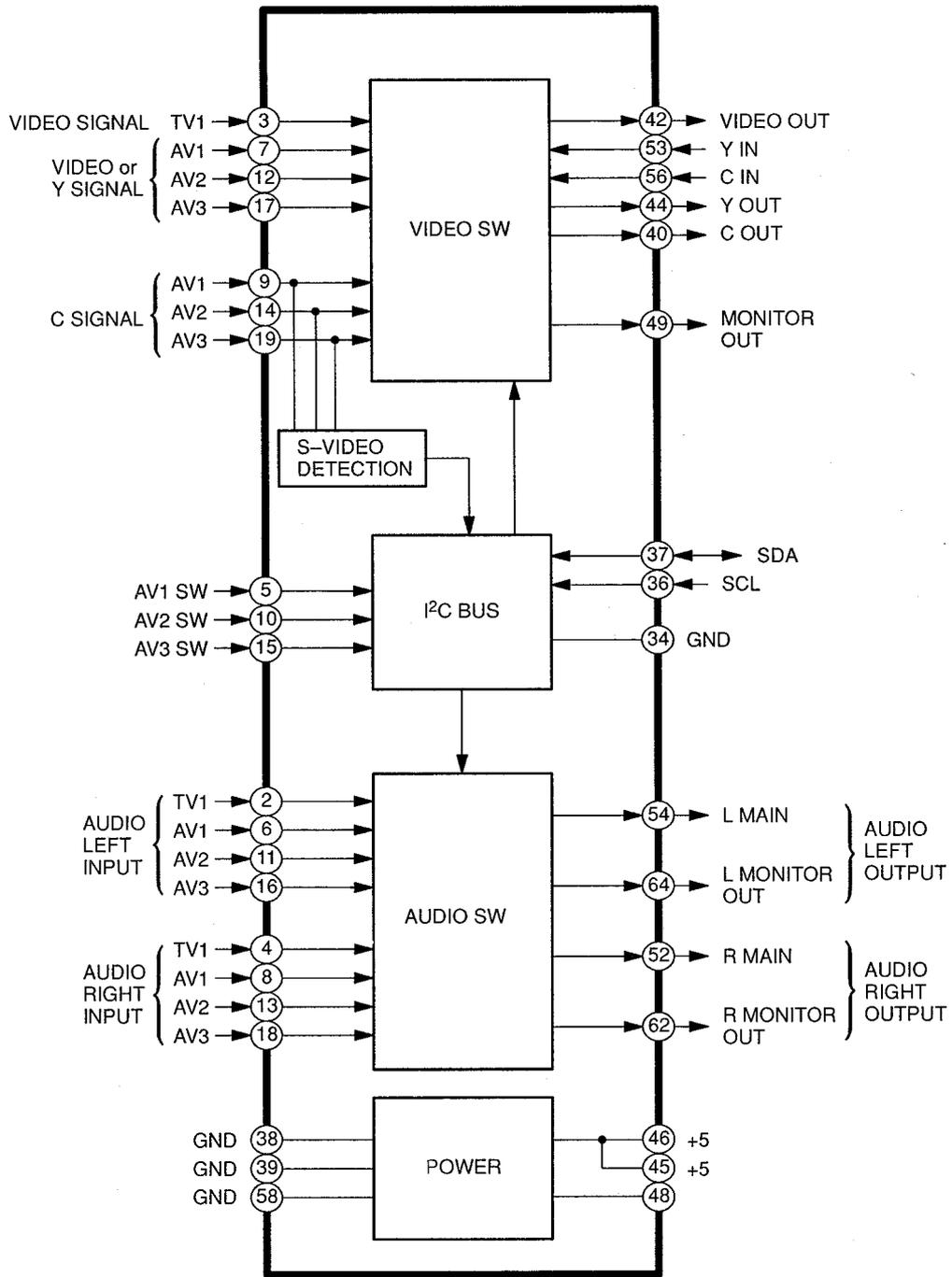
© 1994 Matsushita Electric Industrial Co., Ltd.
Несанкционированное копирование и
распространение является нарушением
закона.

Блок-схема ИС

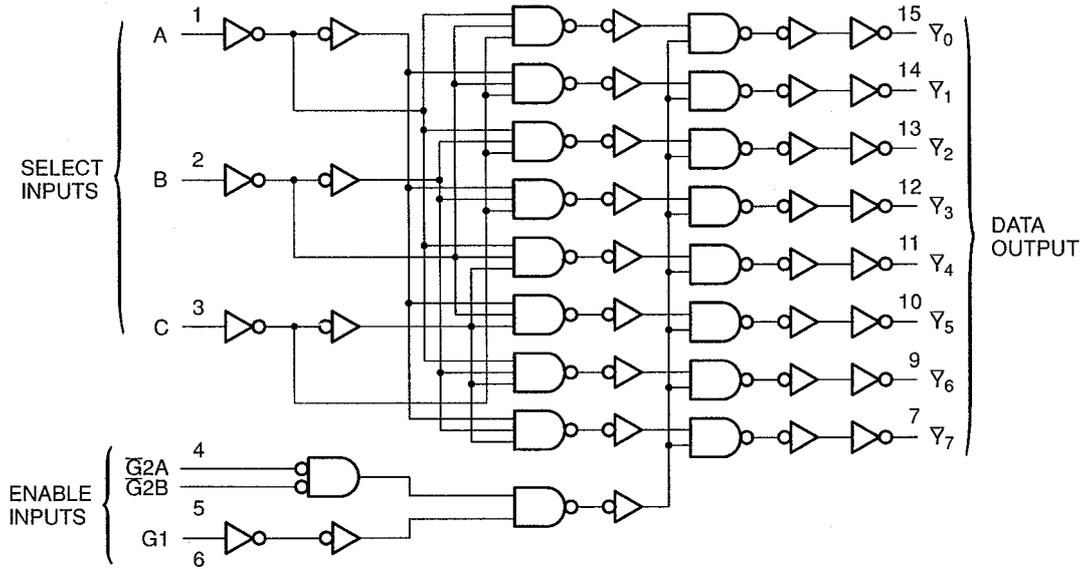
IC1213(MPU : MN1874033T2T)



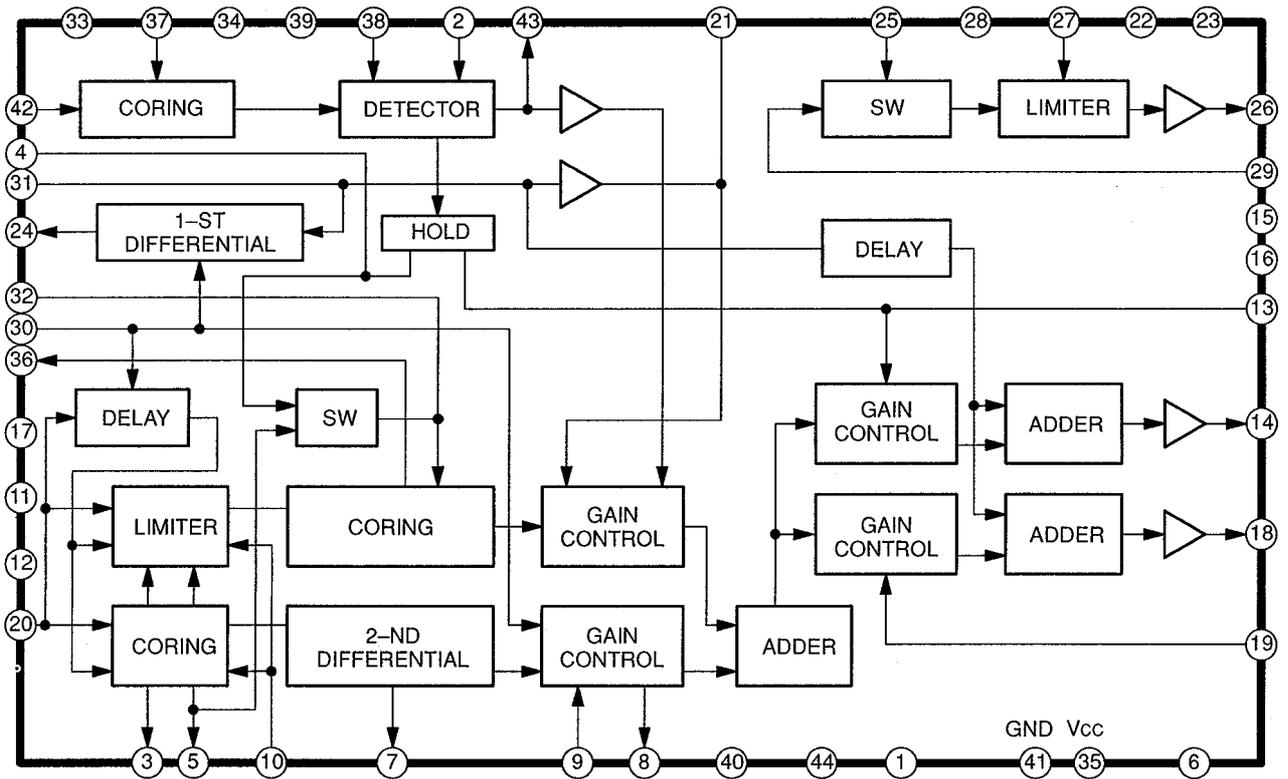
IC3001
(AV CONTROL SW : SN103848PG)



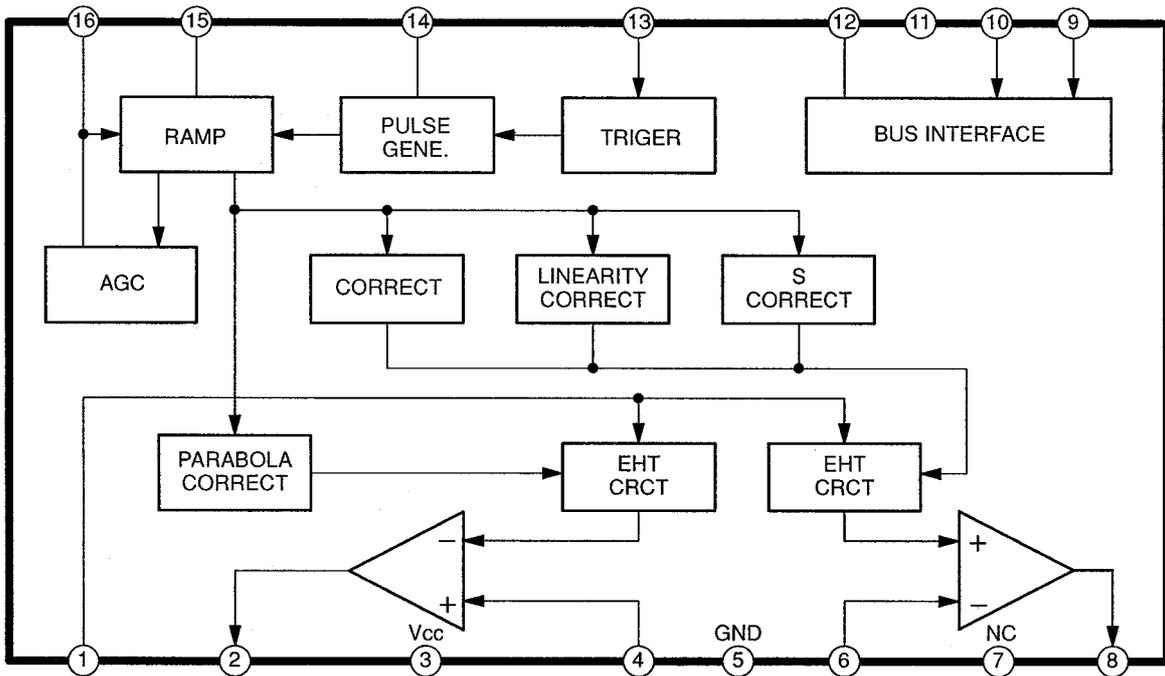
IC5504
(3 TO 8 LINE DECODER : SN74HC138NS)



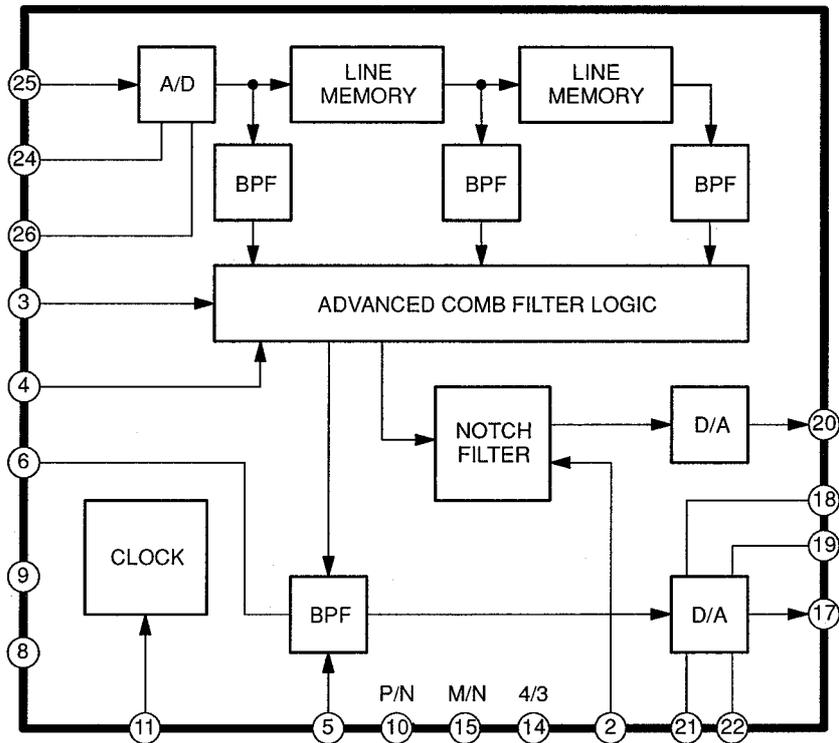
IC3301
(HORI. SHARPNESS : AN5342FBP)



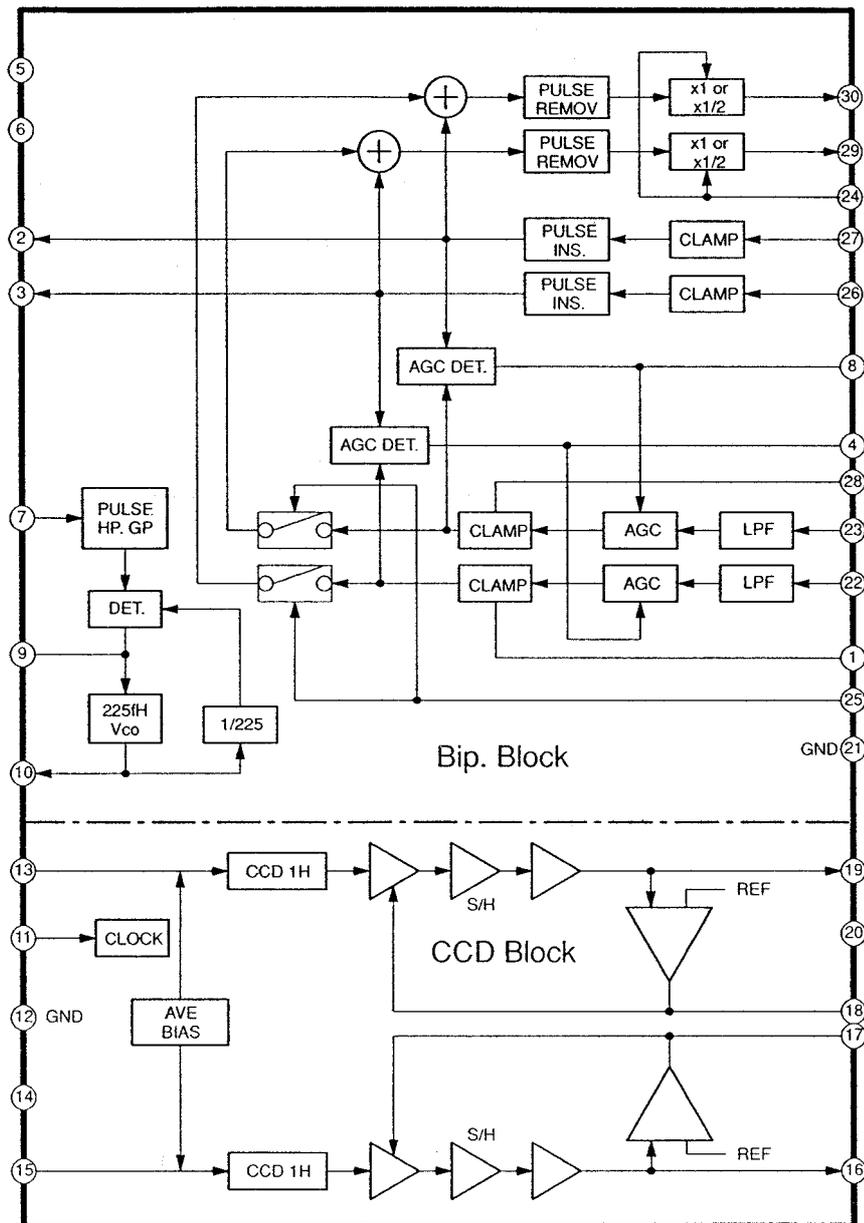
**IC701
(PINCUSHION CONTROL : TA8859AP)**



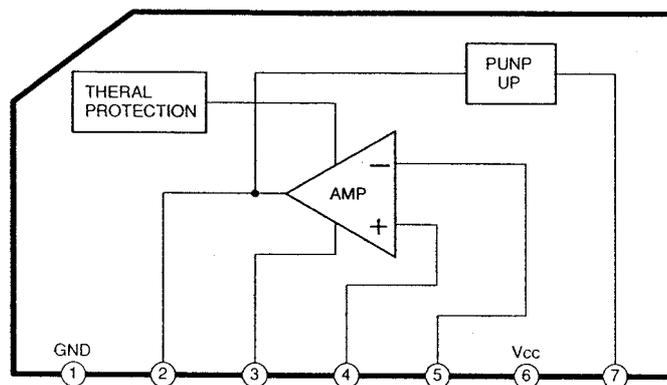
**IC5501
(DIGITAL COMB FILTER : MN8236)**

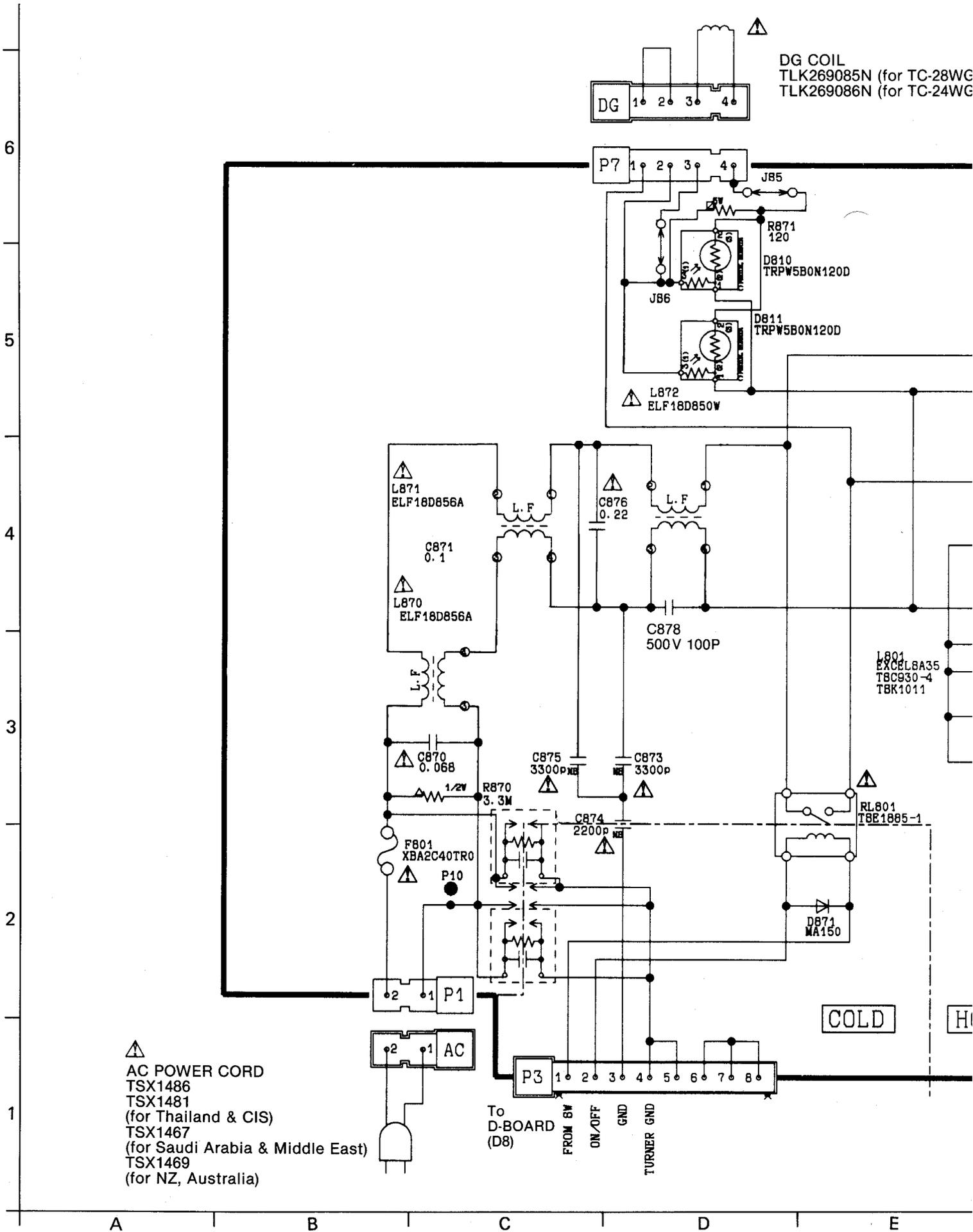


IC603
(BASE BAND DL : TA8772AN)



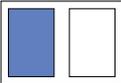
IC452
(V-OUT : LA7845)



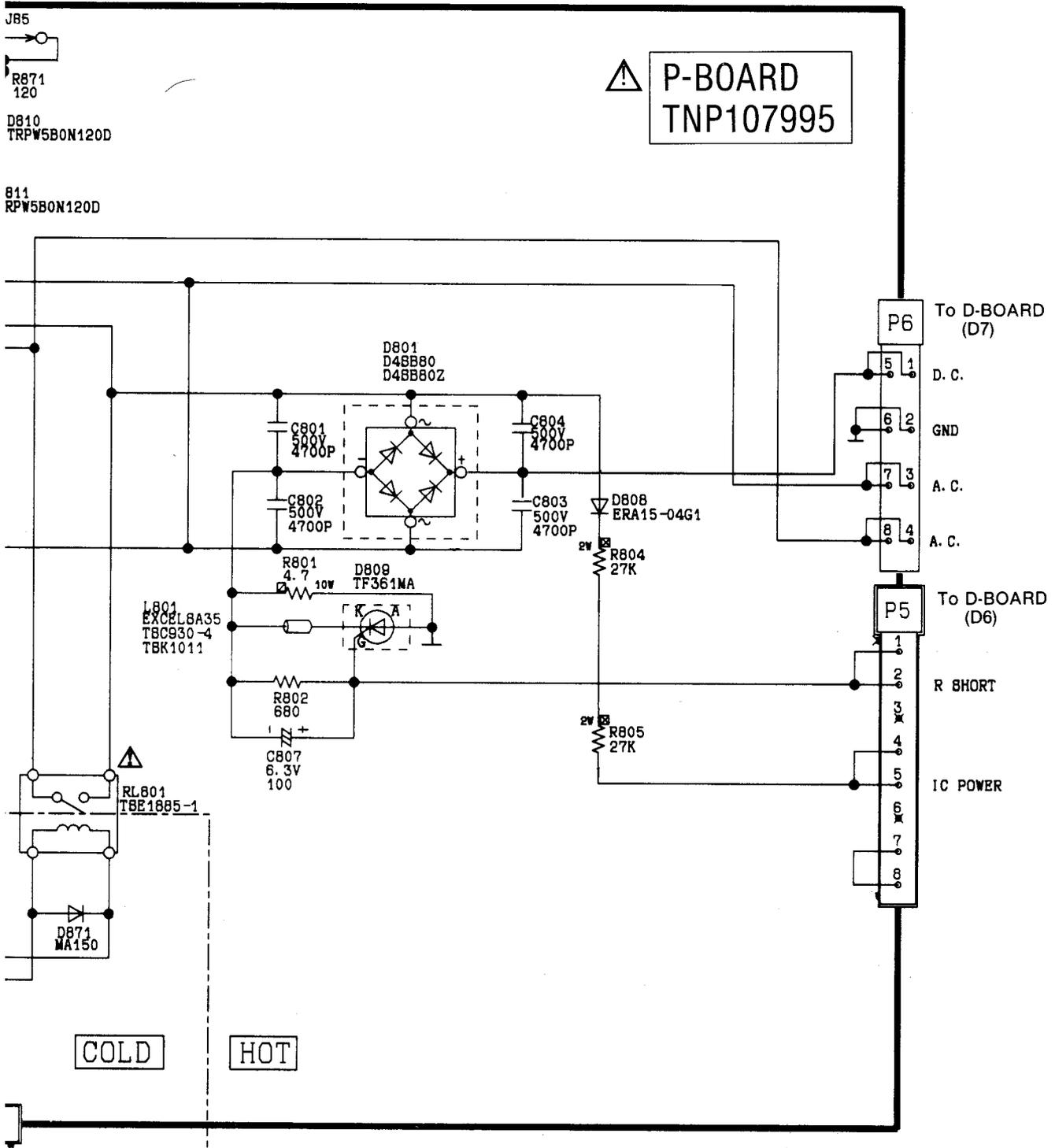


DG COIL
 TLK269085N (for TC-28WG)
 TLK269086N (for TC-24WG)

⚠
 AC POWER CORD
 TSX1486
 TSX1481
 (for Thailand & CIS)
 TSX1467
 (for Saudi Arabia & Middle East)
 TSX1469
 (for NZ, Australia)



DG COIL
 TLK269085N (for TC-28WG12H)
 TLK269086N (for TC-24WG12H)



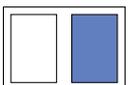
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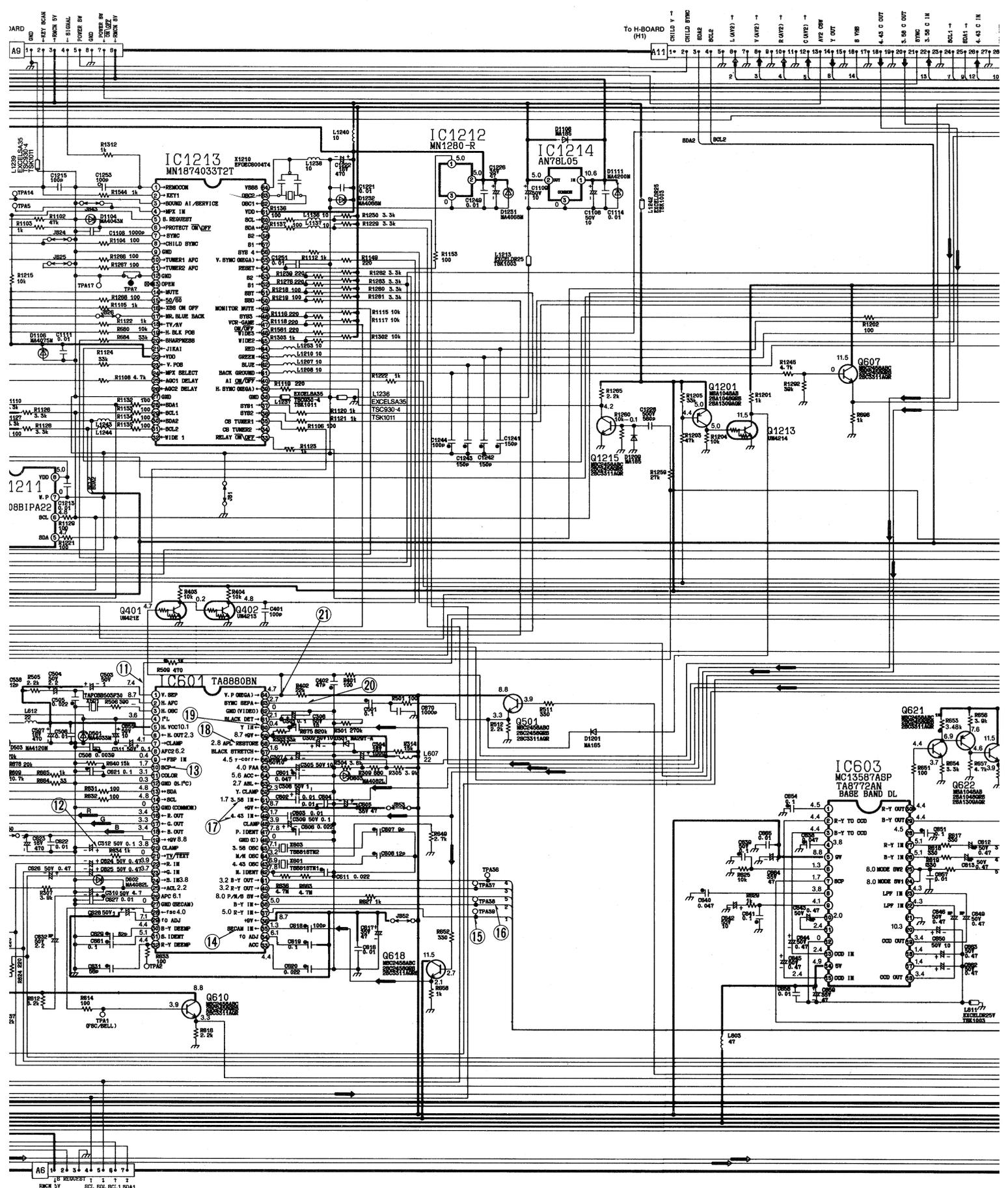
F

G

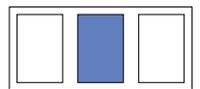
H

I

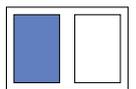
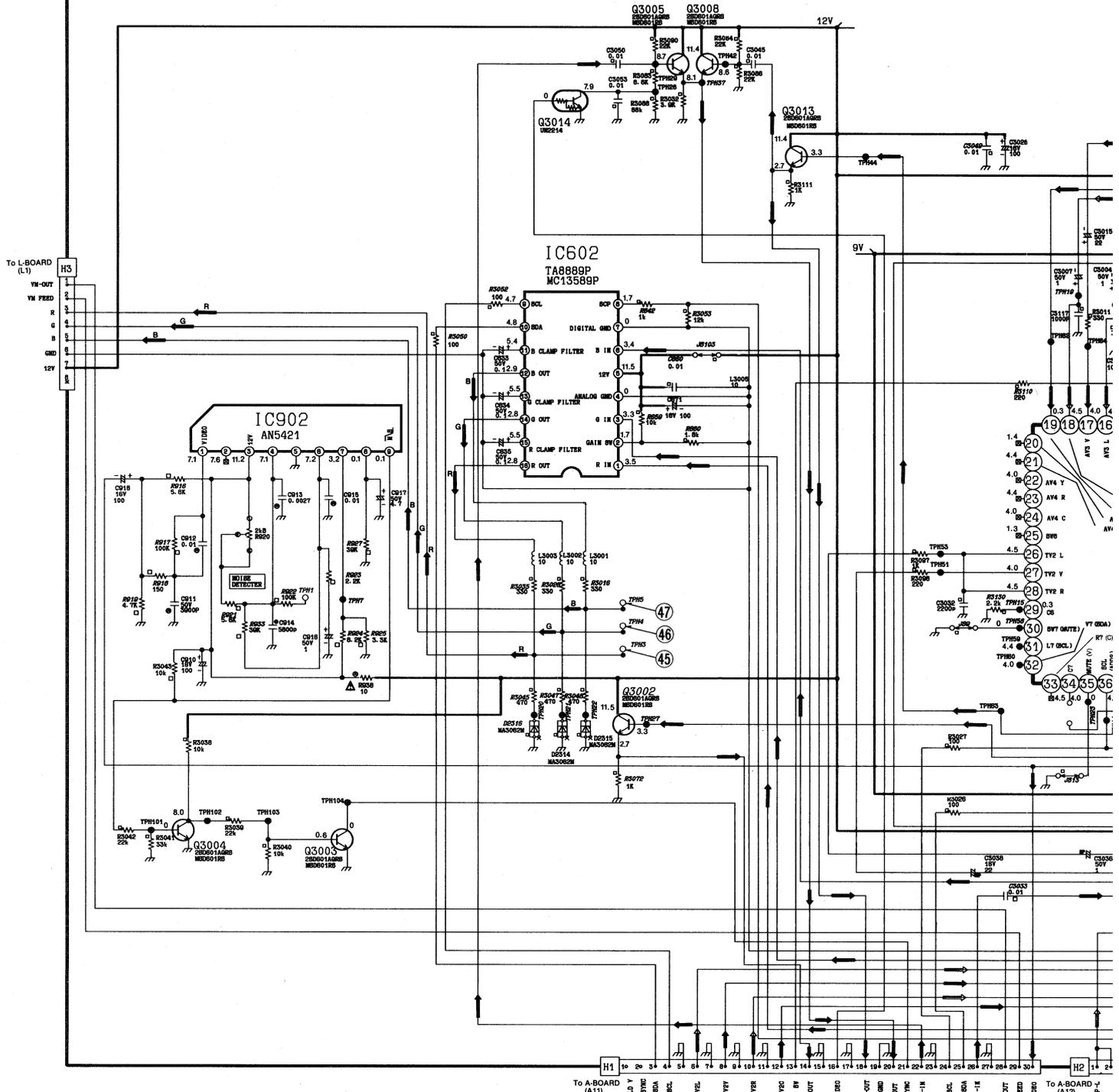




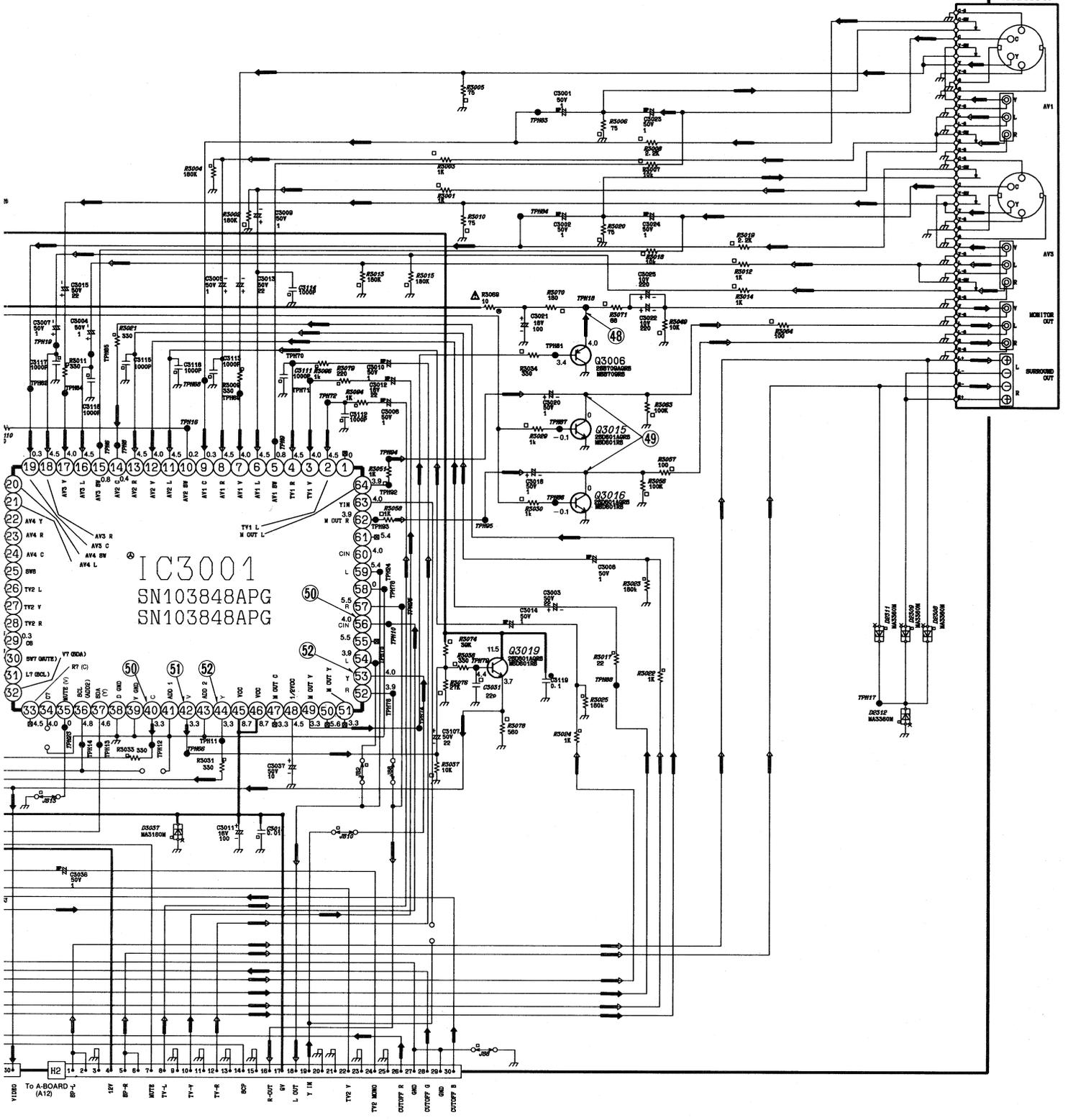
E | F | G | H | I



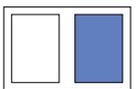
△ H-BOARD TNP117045

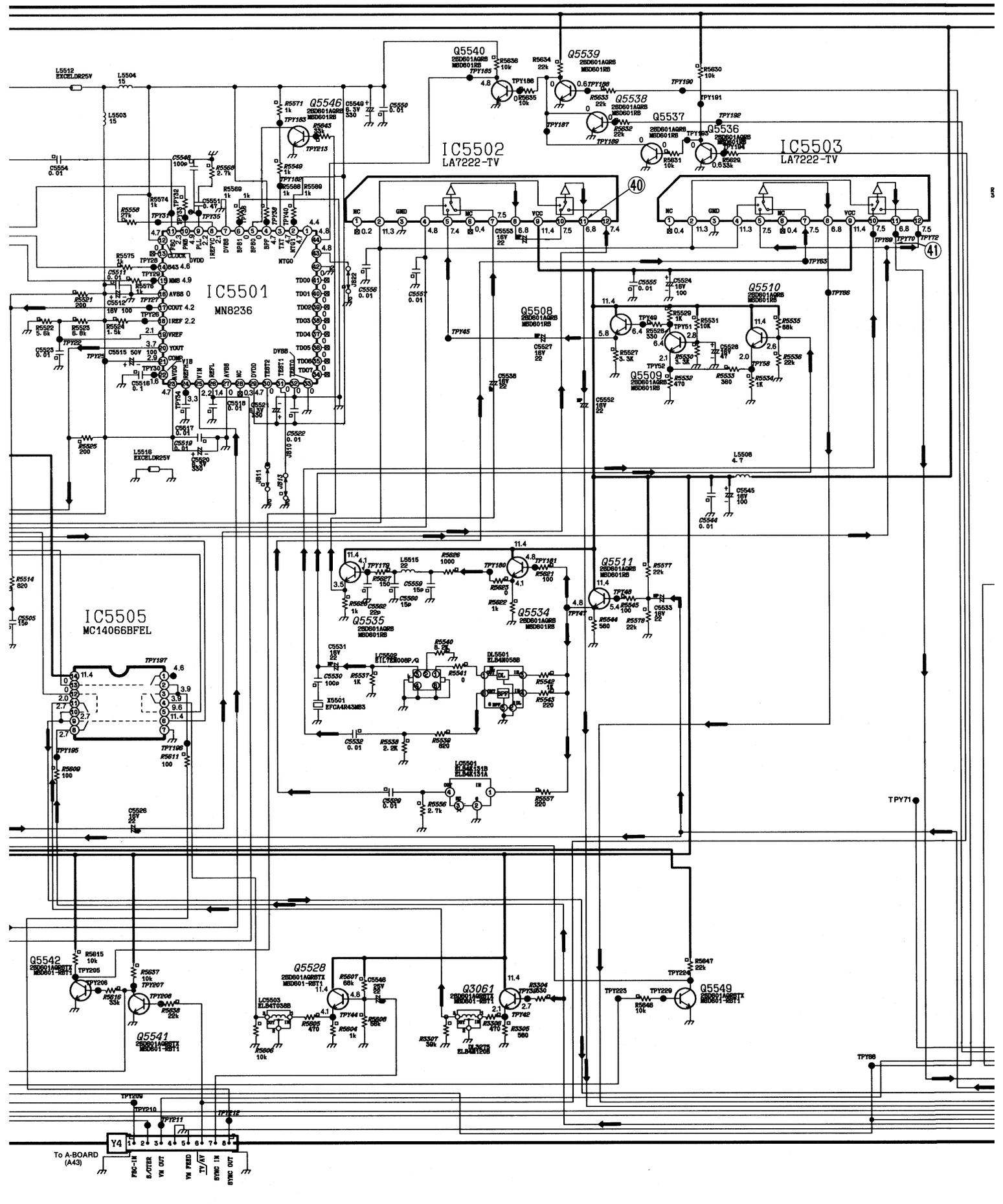


JK3152
TJB18640

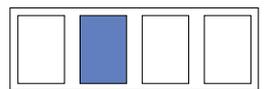


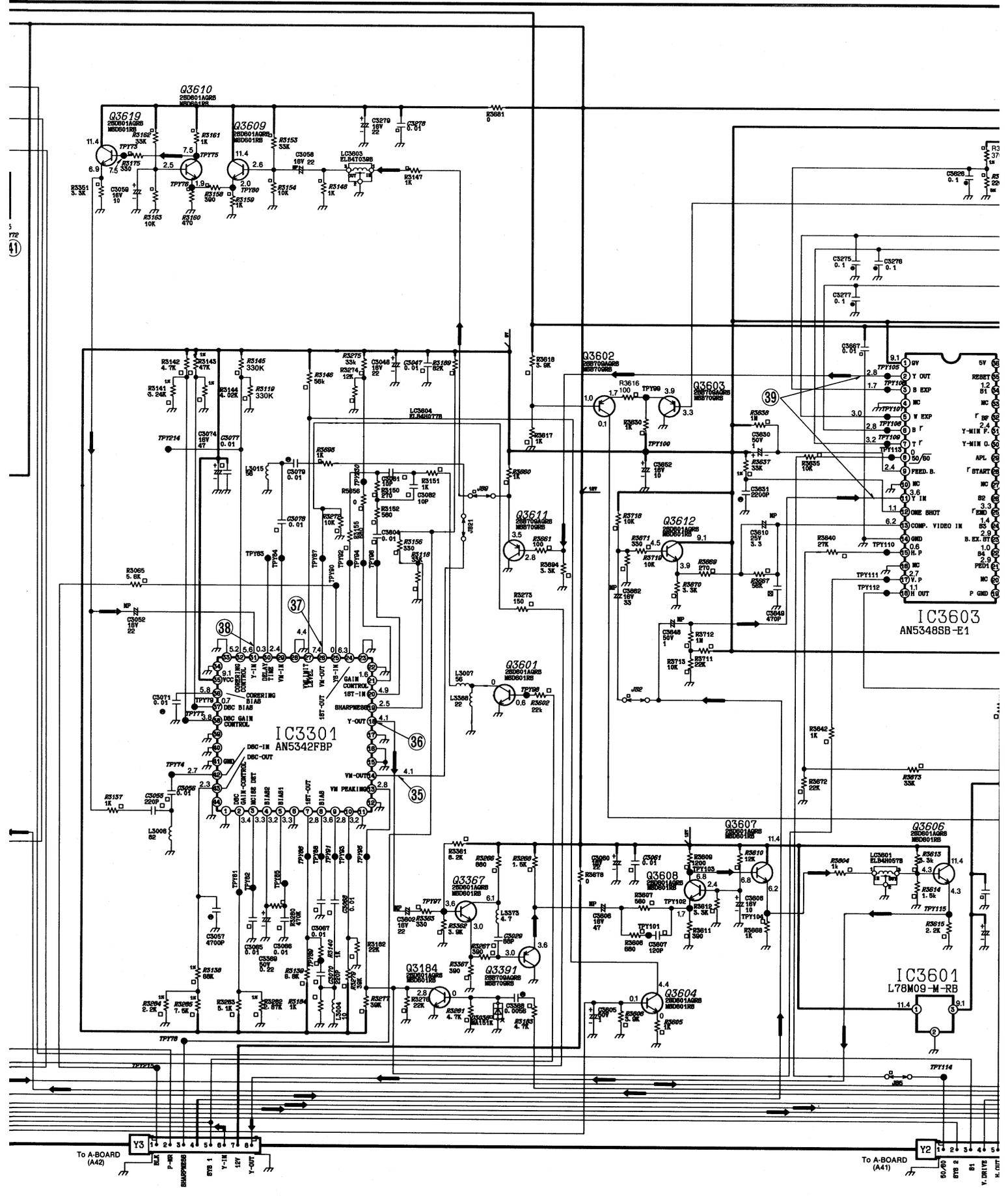
E F G H I





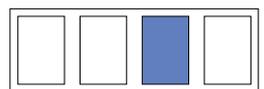
E | F | G | H | I

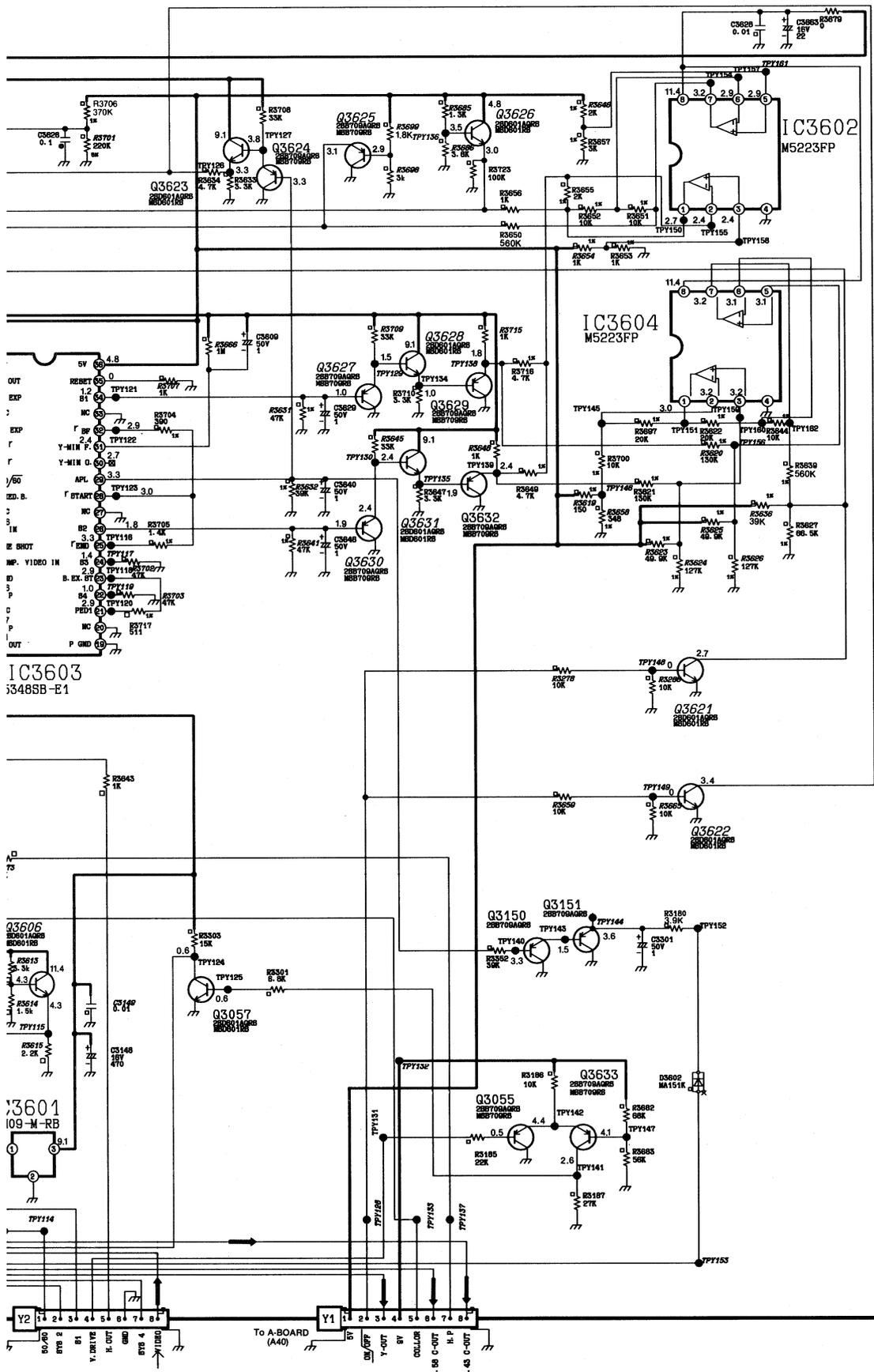




5
172
41

J | K | L | M | N





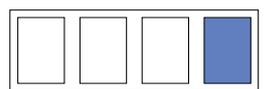
IC3603
3488B-E1

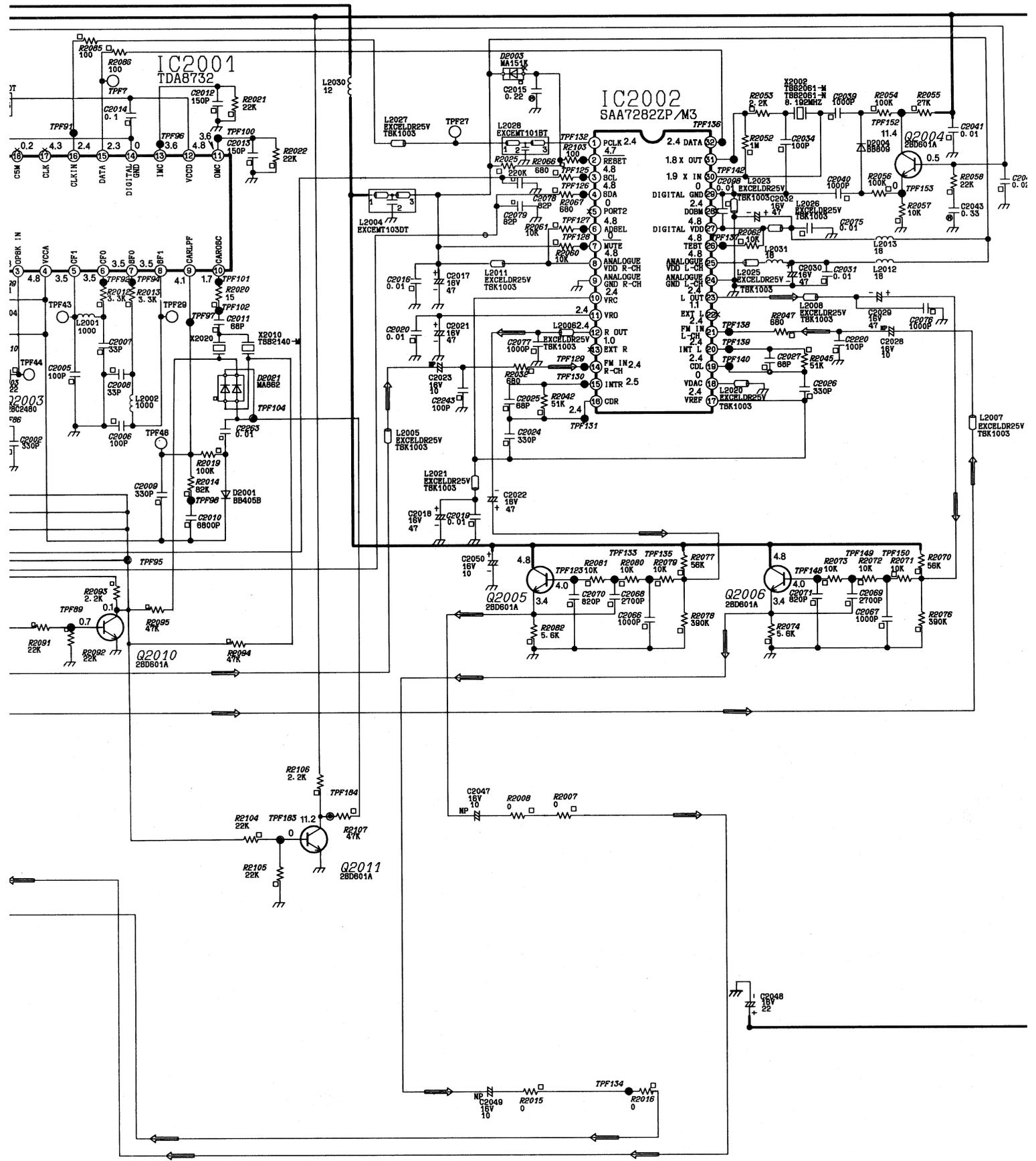
IC3601
109-M-RB

IC3602
M5223FP

IC3604
M5223FP

O | P | Q | R





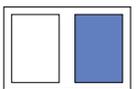
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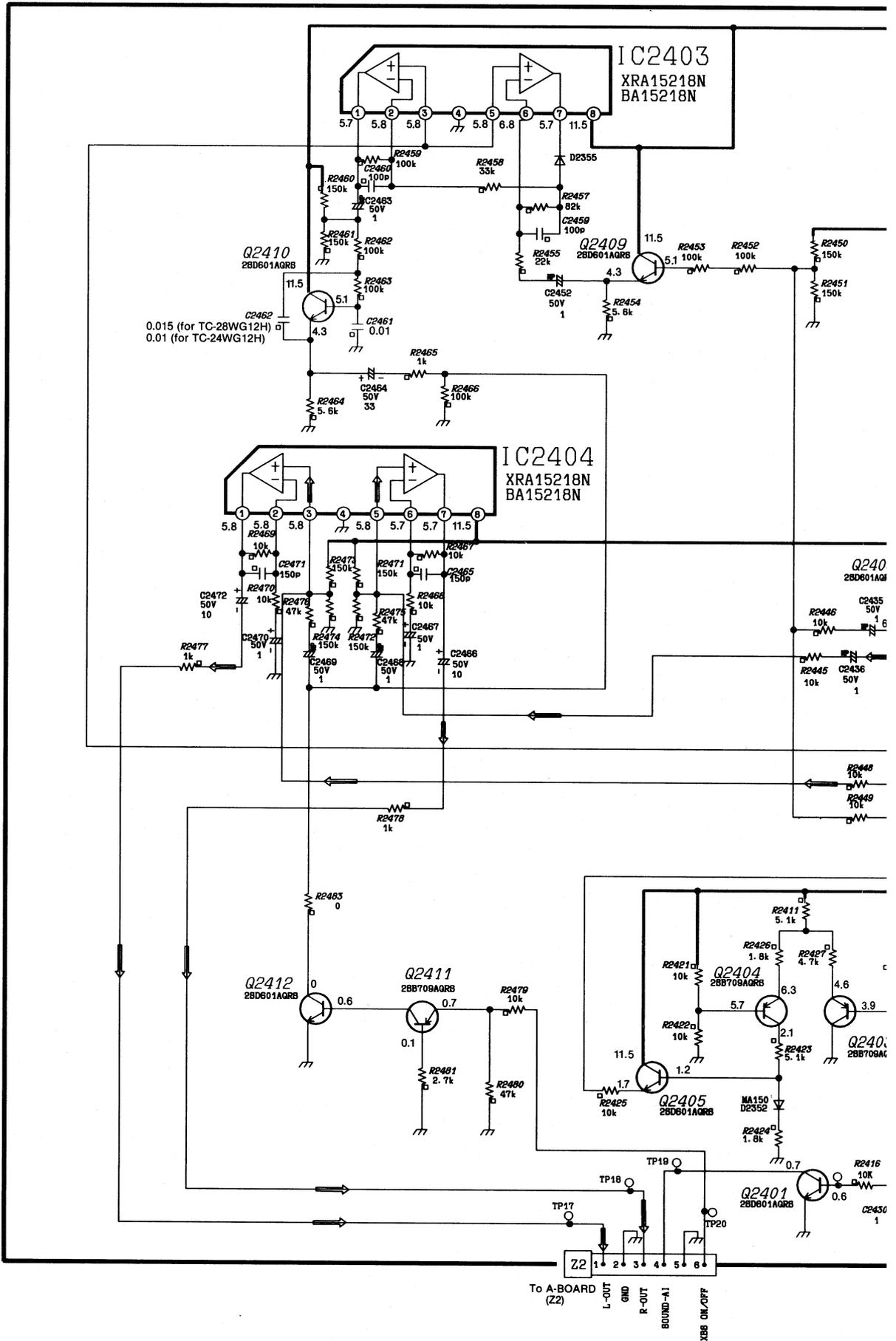
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G

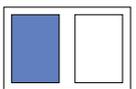
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I

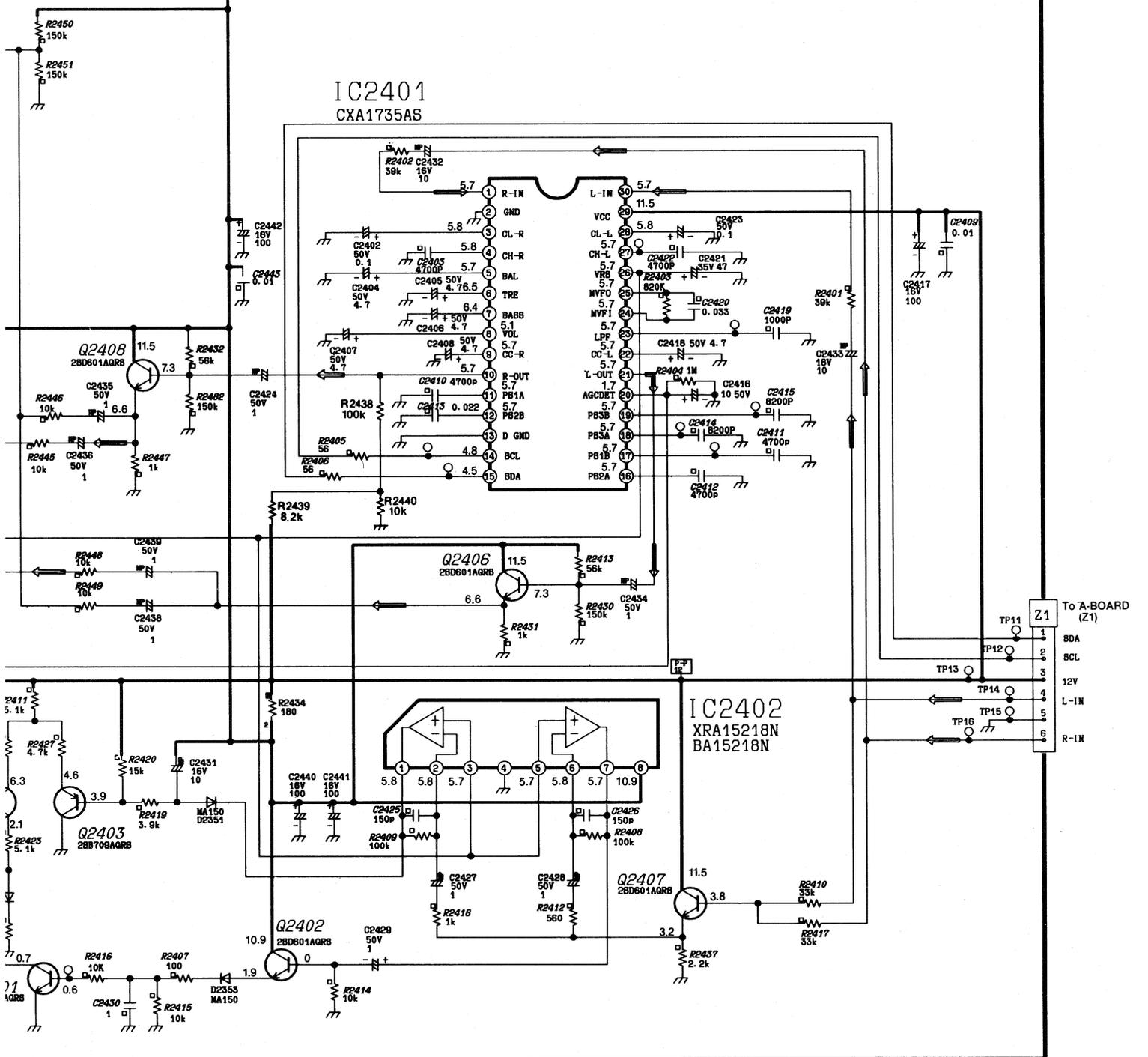




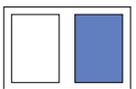
J | K | L | M | N



△ Z-BOARD
 TNP117049 (For TC-28WG12H)
 TNP117049AA (For TC-24WG12H)



O P Q R S



6

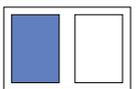
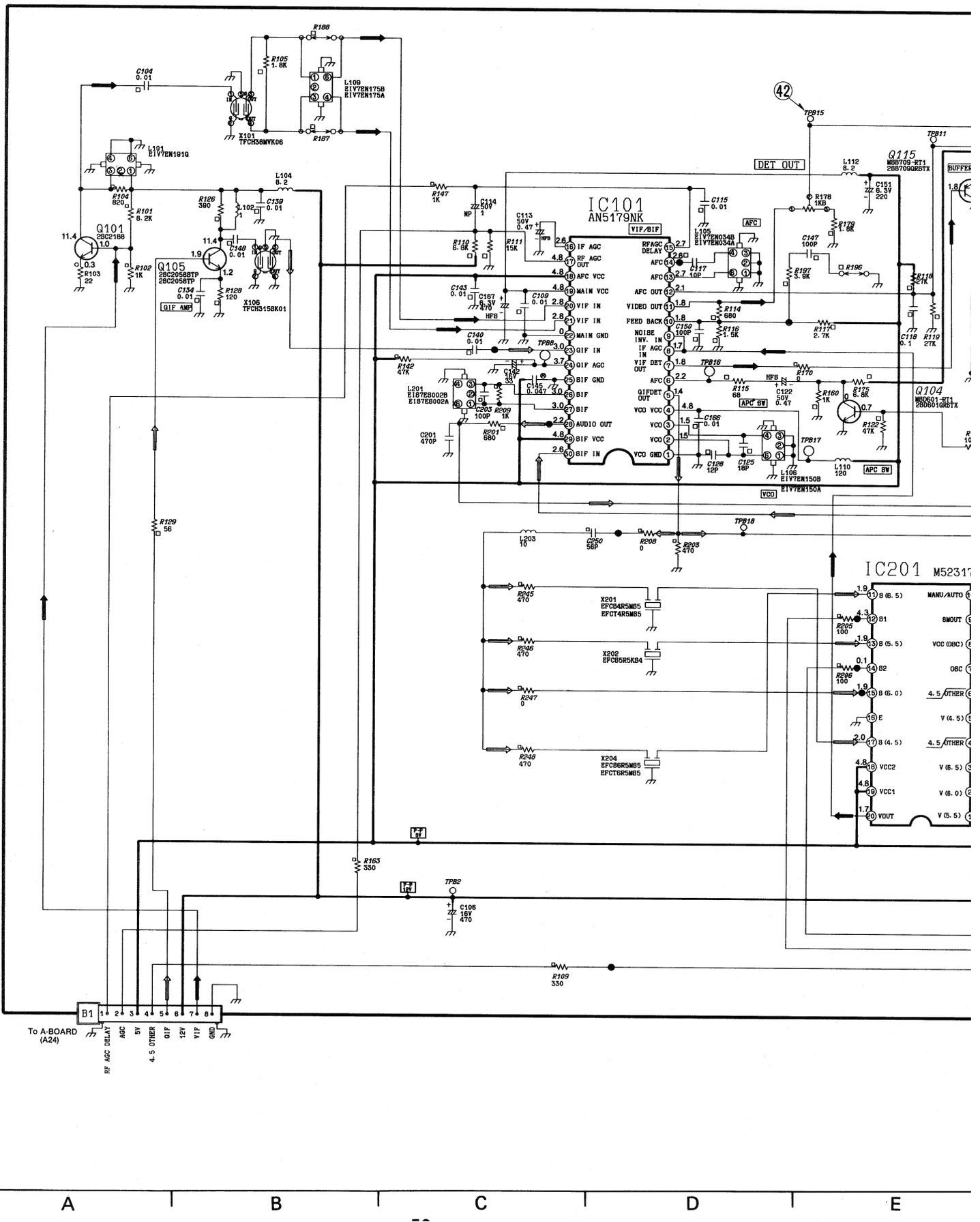
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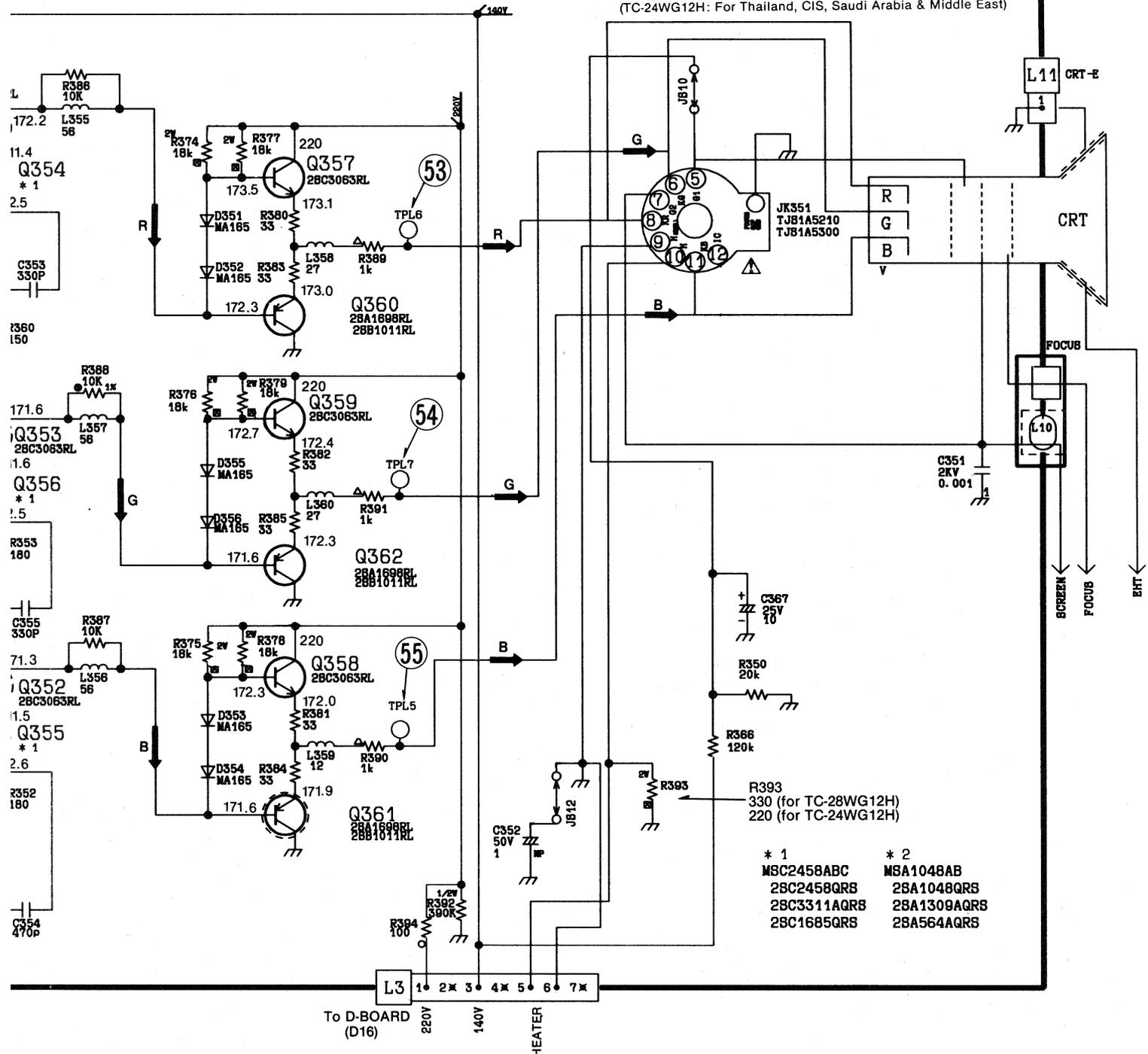
3

2

1

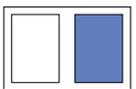


▲ PICTURE TUBE
 W66LFC995XT
 (TC-28WG12H: Except Thailand, CIS, Saudi Arabia & Middle East)
 W66LFC995X
 (TC-28WG12H: For Thailand, CIS, Saudi Arabia & Middle East)
 W66LFC997X
 (TC-28WG12H: For NZ, Australia)
 W56LCF865XT
 (TC-24WG12H: Except Thailand, CIS, Saudi Arabia & Middle East)
 W56LCF865X
 (TC-24WG12H: For Thailand, CIS, Saudi Arabia & Middle East)



- | | |
|-------------|-------------|
| * 1 | * 2 |
| MSC2458ABC | MSA1048AB |
| 28C2458QRS | 28A1048QRS |
| 28C3311AQRS | 28A1309AQRS |
| 28C1685QRS | 28A564AQRS |

E | F | G | H | I | J | K | L



6

5

4

3

2

1

A

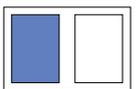
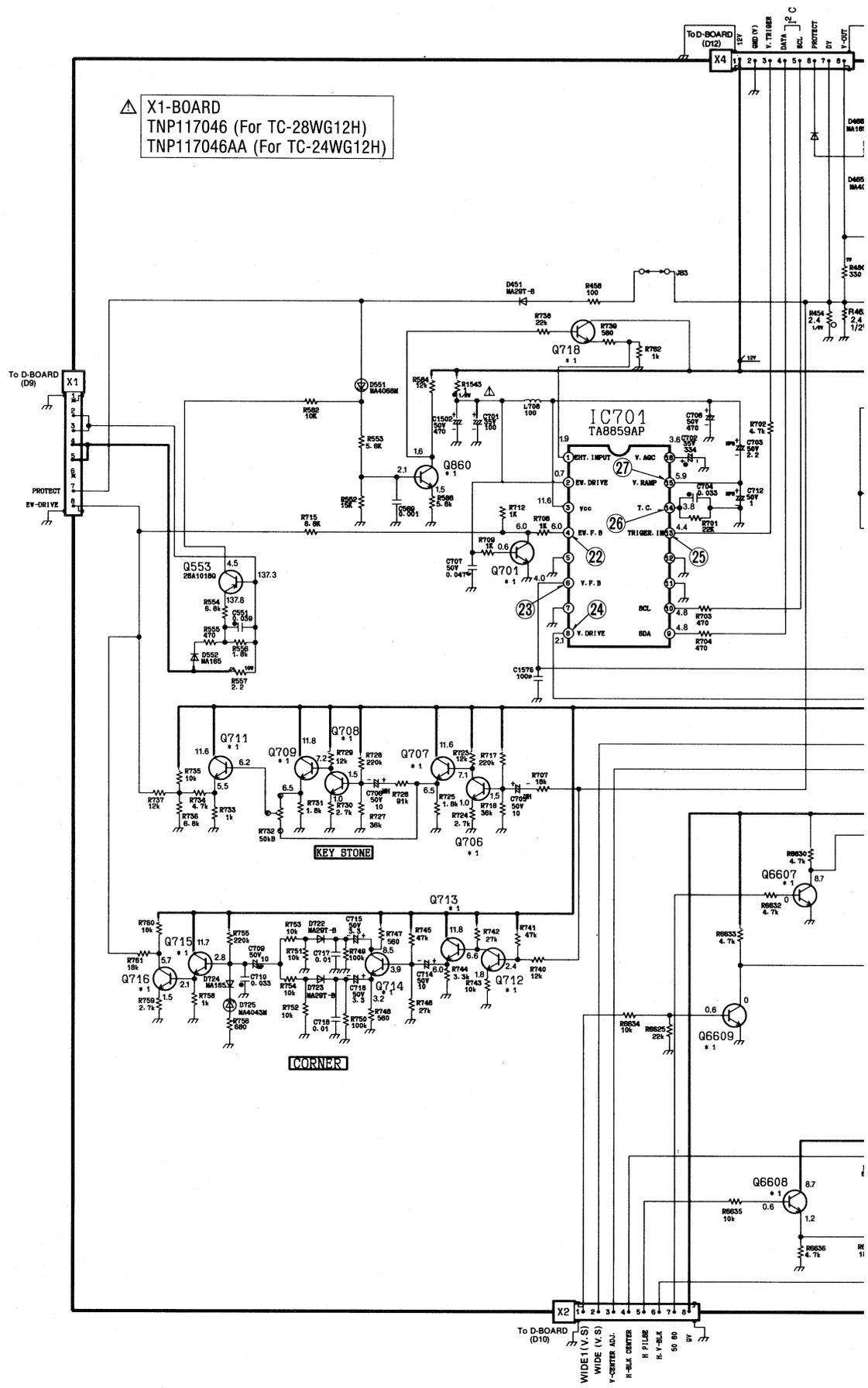
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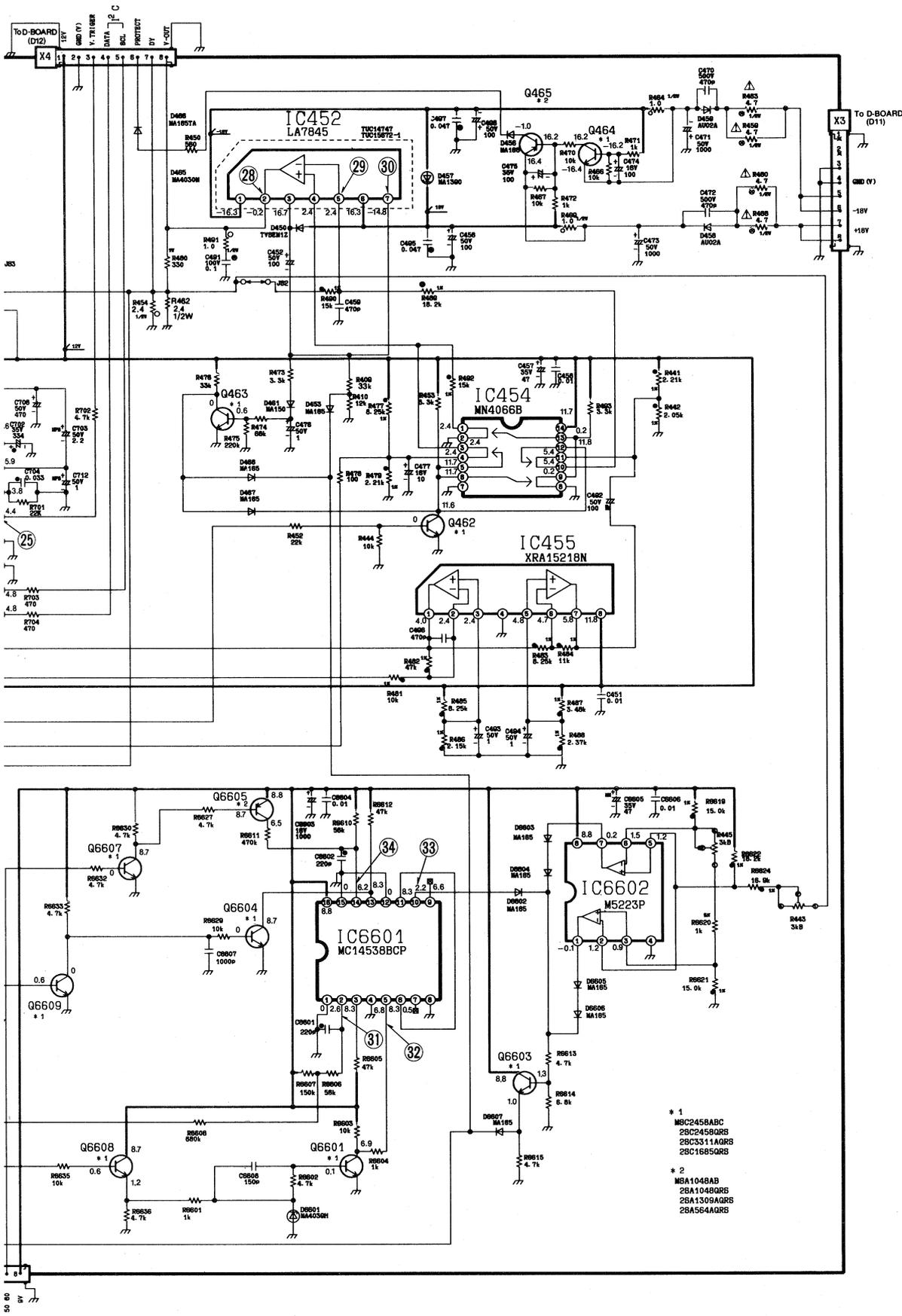
C

D

E

△ X1-BOARD
 TNP117046 (For TC-28WG12H)
 TNP117046AA (For TC-24WG12H)





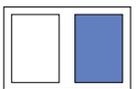
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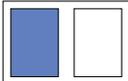
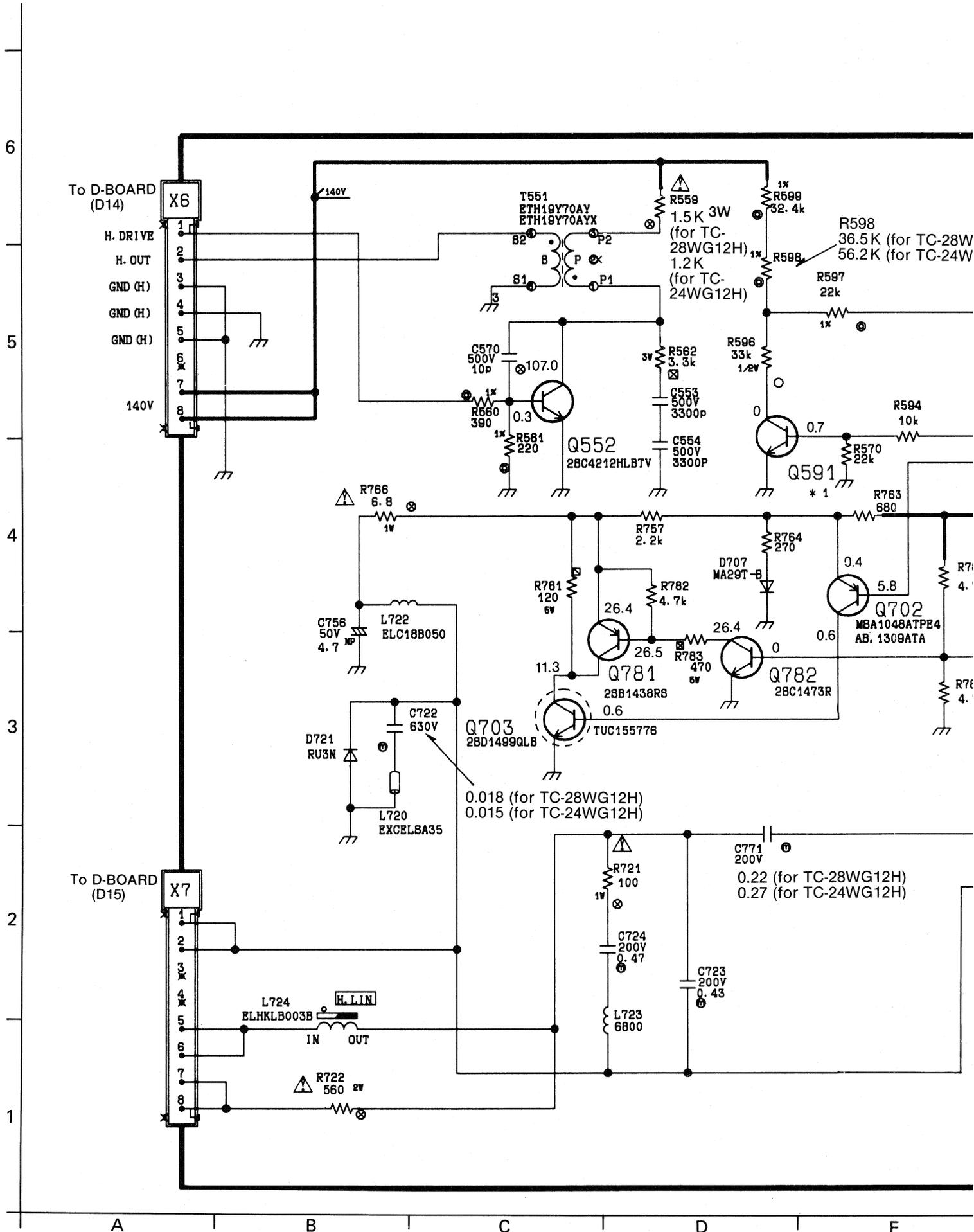
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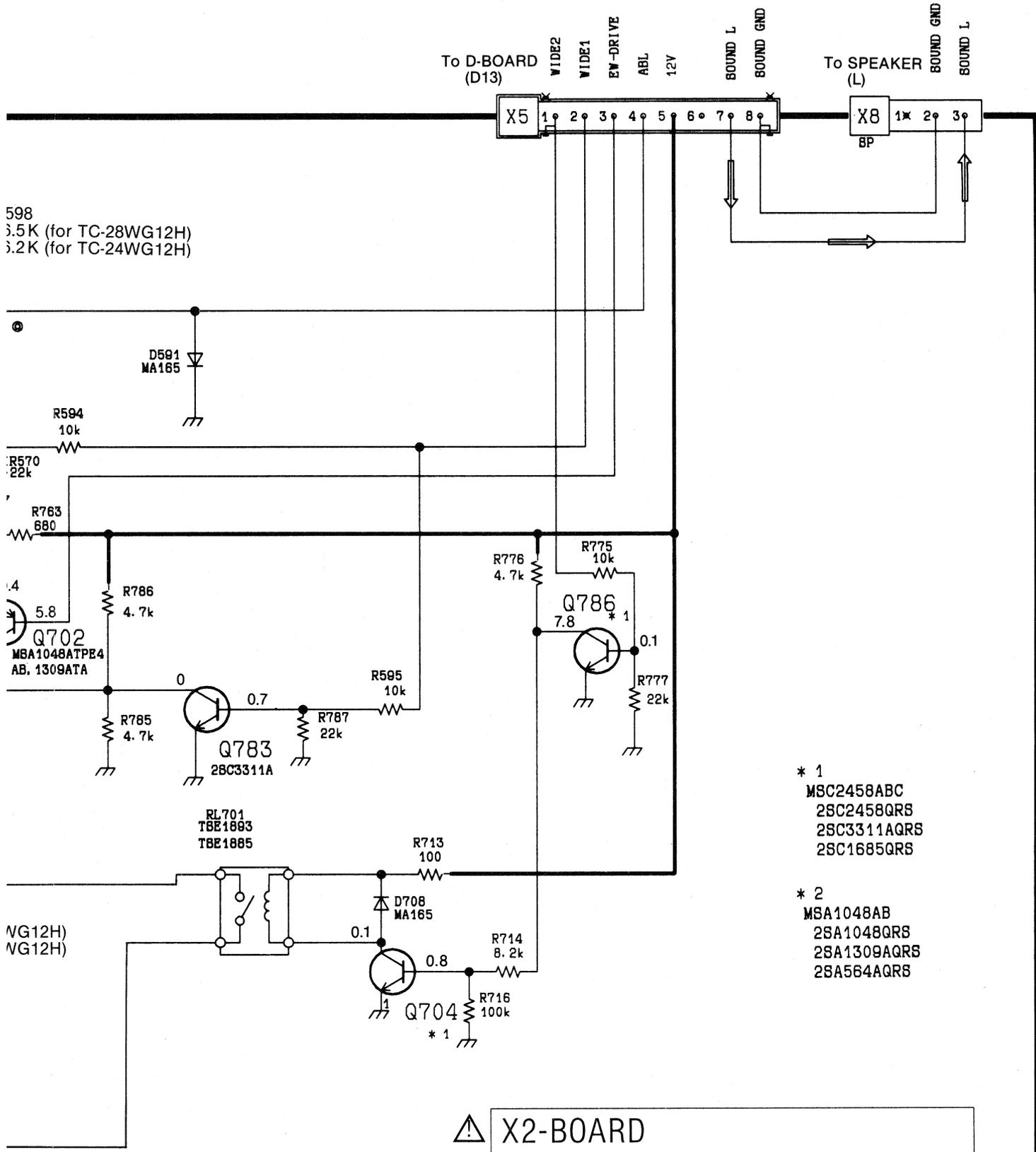
G

H

I





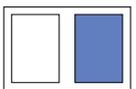


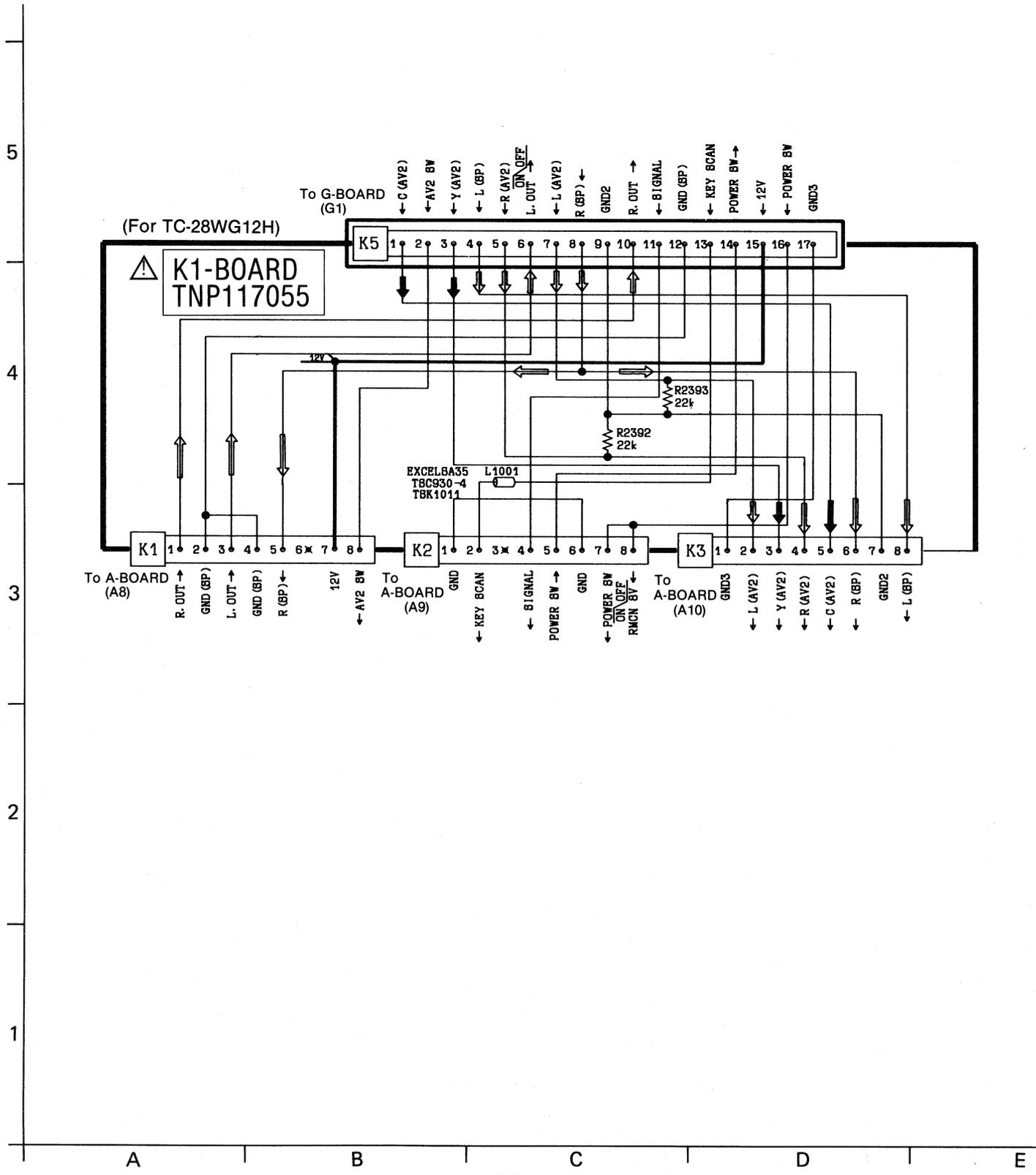
- * 1
- MSC2458ABC
- 28C2458QRS
- 28C3311AQRS
- 28C1685QRS

- * 2
- MSA1048AB
- 2SA1048QRS
- 2SA1309AQRS
- 2SA564AQRS

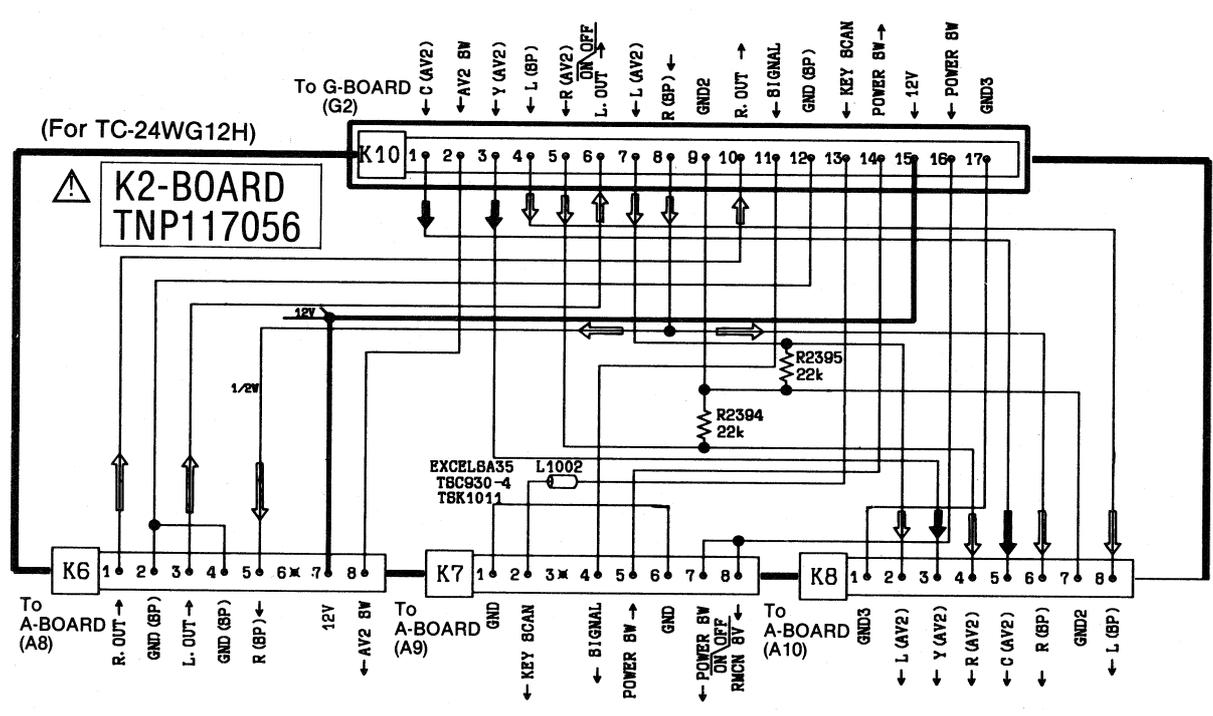
⚠ X2-BOARD
TNP117047 (For TC-28WG12H)
TNP117047AA (For TC-24WG12H)

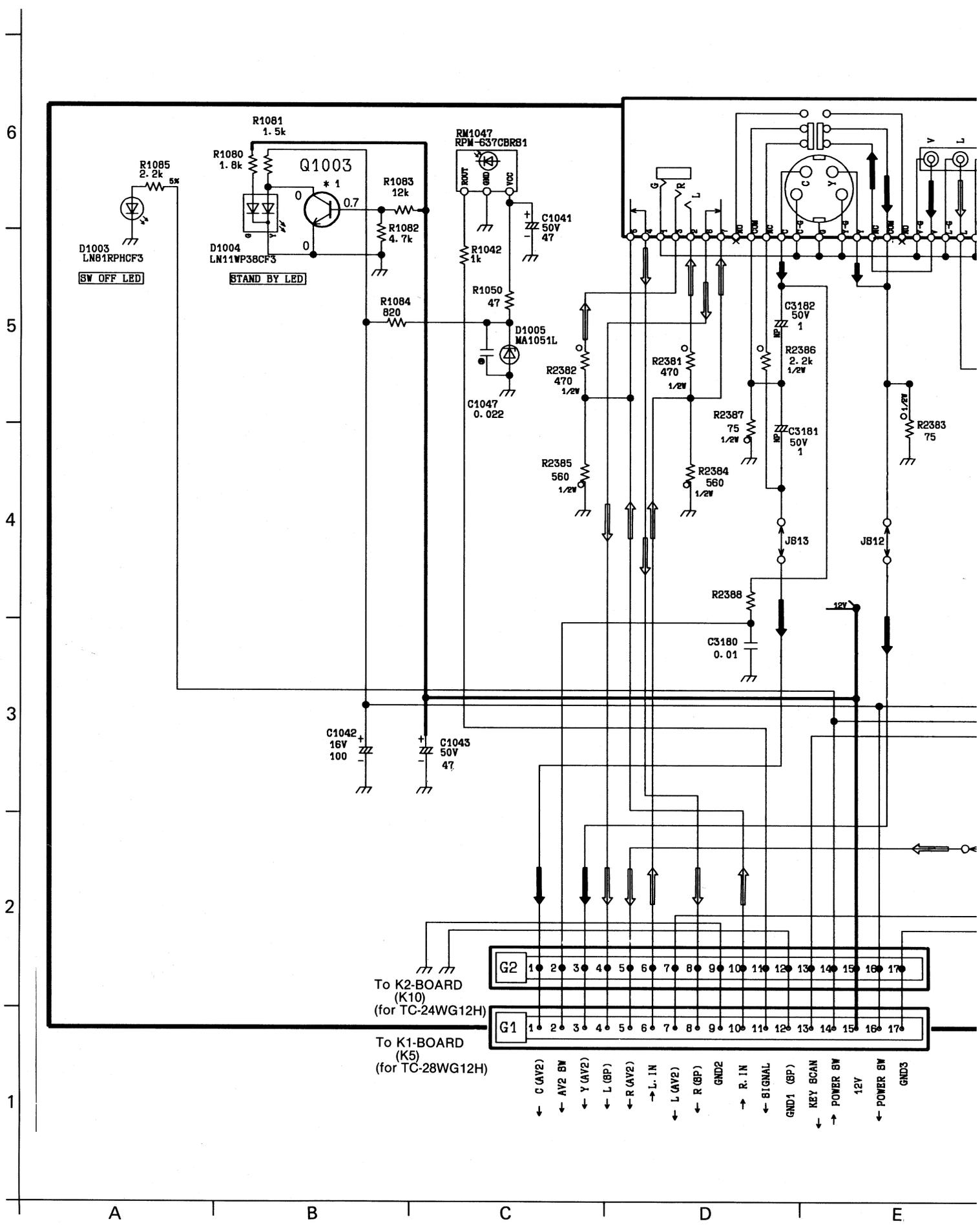
E | | F | | G | | H | | I | |





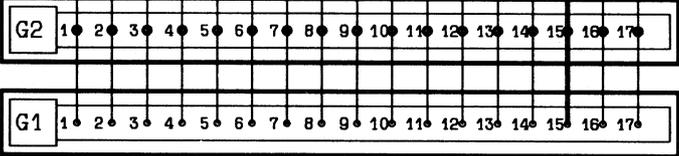
5
4
3
2
1
A B C D E



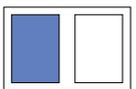


To K2-BOARD
(K10)
(for TC-24WG12H)

To K1-BOARD
(K5)
(for TC-28WG12H)



- ← C (AV2)
- ← AV2 SW
- ← Y (AV2)
- ← L (BP)
- ← R (AV2)
- L. IN
- ← L (AV2)
- ← R (BP)
- GND2
- R. IN
- ← SIGNAL
- GND1 (BP)
- ← KEY SCAN
- POWER SW
- 12V
- ← POWER SW
- GND3



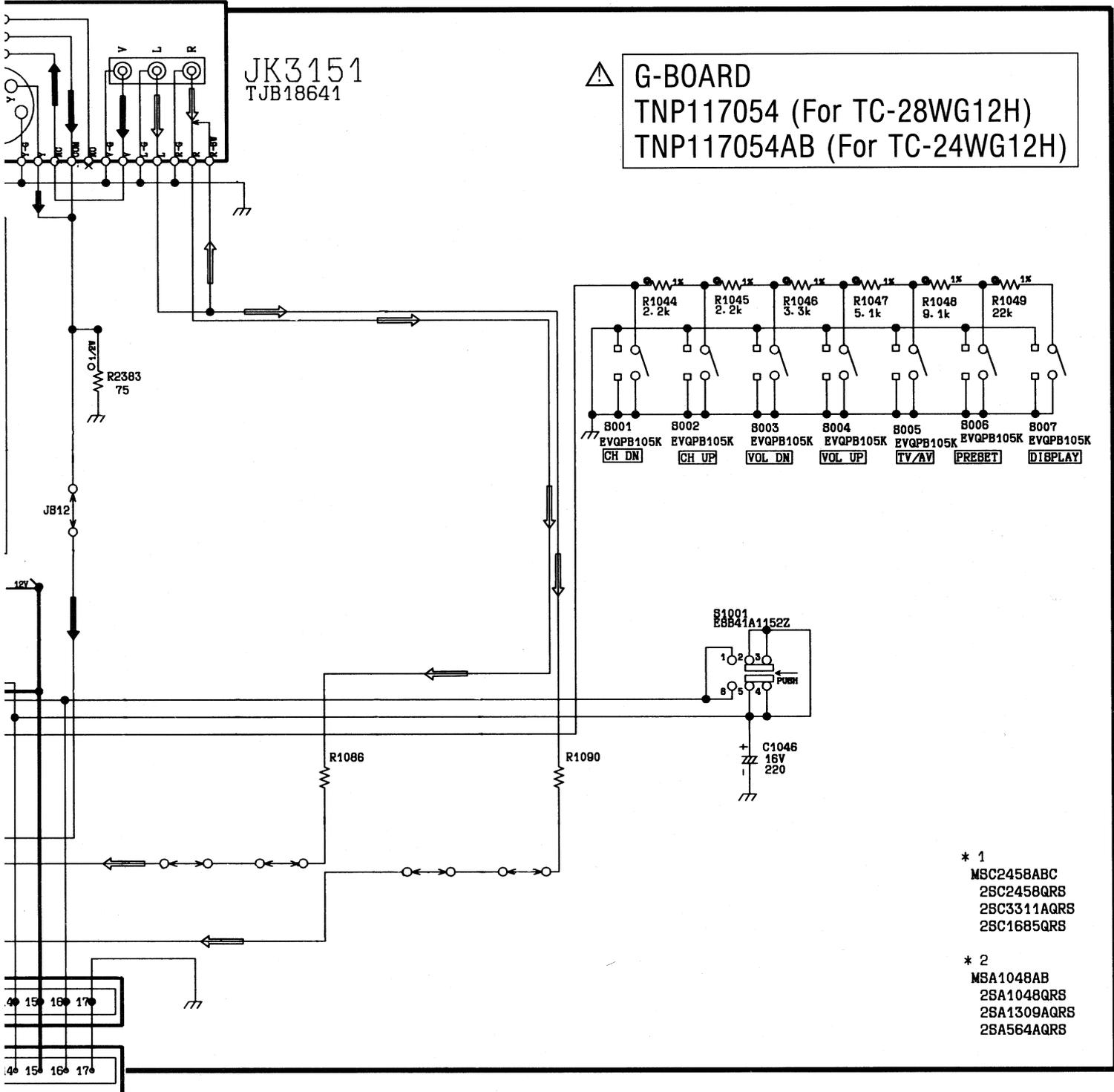
JK3151
TJB18641



G-BOARD

TNP117054 (For TC-28WG12H)

TNP117054AB (For TC-24WG12H)



- * 1
M8C2458ABC
28C2458QRS
28C3311AQRS
28C1685QRS
- * 2
MSA1048AB
2SA1048QRS
2SA1309AQRS
2SA564AQRS

POWER SW
12V
POWER SW
GND'S

E F G H I

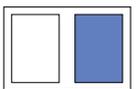
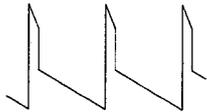
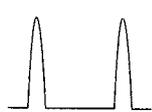
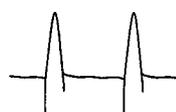
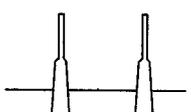
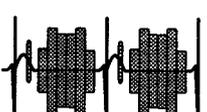
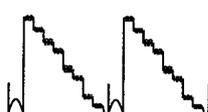
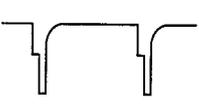
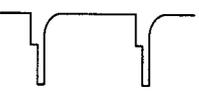
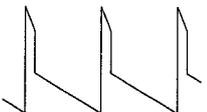


Таблица сигналограмм

① TPD28, TPD27  62Vp-p(5msec)	② TPD31, TPD32  1.7Vp-p(5msec)	③ Q552-B  20Vp-p(20μsec)	④ TPD25, TPD26  1300Vp-p(20μsec)
⑤ TPD15  3.2Vp-p(5msec)	⑥ TPD35  0.9Vp-p(20μsec)	⑦ IC801-1  675Vp-p(5μsec)	⑧ TPA40  4.8Vp-p(20μsec)
⑨ TPA41  4.8Vp-p(20μsec)	⑩ TPA42  4.8Vp-p(20μsec)	⑪ IC601-6  4.8Vp-p(20μsec)	⑫ IC601-20  0.8Vp-p(20μsec)
⑬ IC601-10  8.8Vp-p(20μsec)	⑭ IC601-35  0.55Vp-p(20μsec)	⑮ TPA39  1.1Vp-p(20μsec)	⑯ TPA38  1.0Vp-p(20μsec)
⑰ IC601-49, 51  0.7Vp-p(20μsec)	⑱ IC601-58  0.6Vp-p(20μsec)	⑲ IC601-60  1.0Vp-p(20μsec)	⑳ IC601-63  1.8Vp-p(20μsec)
㉑ IC601-64  5.3Vp-p(5msec)	㉒ IC701-4  2.0Vp-p(5msec)	㉓ IC701-6  1.5Vp-p(5msec)	㉔ IC701-8  2.2Vp-p(5msec)
㉕ IC701-13  4.7Vp-p(5msec)	㉖ IC701-14  3.0Vp-p(5msec)	㉗ IC701-15  3.0Vp-p(5msec)	㉘ IC452-2  65Vp-p(5msec)

J

I

K

I

L

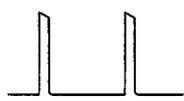
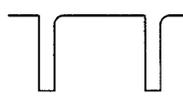
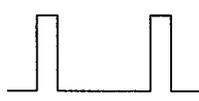
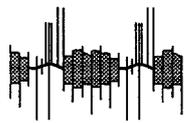
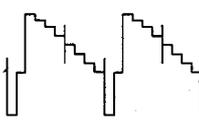
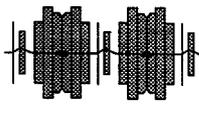
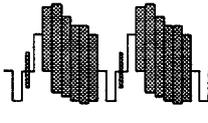
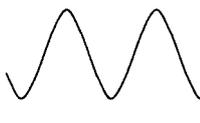
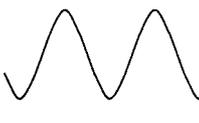
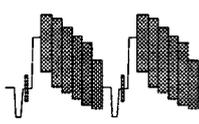
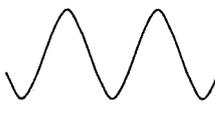
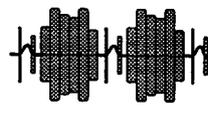
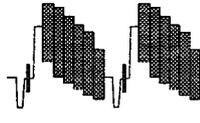
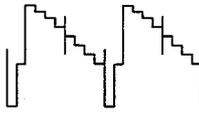
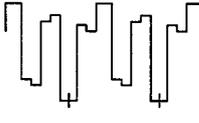
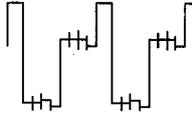
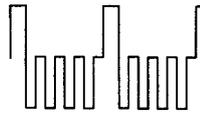
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Таблица сигналограмм

29 IC452-5  0.7Vp-p(5msec)	30 IC452-7  37.8Vp-p(5msec)	31 IC6601-2  5.8Vp-p(20μsec)	32 IC6601-5  8.9Vp-p(20μsec)
33 IC6601-10  8.6Vp-p(20μsec)	34 IC6601-14  8.7Vp-p(20μsec)	35 IC3301-14  0.8Vp-p(20μsec)	36 IC3301-18  0.9Vp-p(20μsec)
37 IC3301-26  1.3Vp-p(20μsec)	38 IC3301-31  1.8Vp-p(20μsec)	39 IC3603-2, 11  1.8Vp-p(20μsec)	40 IC5502-11  1.8Vp-p(20μsec)
41 IC5503-11  0.9Vp-p(20μsec)	42 TPD15  1.9Vp-p(20μsec)	43 TPB9, B10  1.1Vp-p(0.5msec)	44 TPF33, 42  1.1Vp-p(0.5msec)
45 TPH3  4.8Vp-p(20μsec)	46 TPH4  4.4Vp-p(20μsec)	47 TPH5  4.4Vp-p(20μsec)	48 Q3006-E  2.3Vp-p(20μsec)
49 Q3015-C Q6016-C  2.3Vp-p(0.5msec)	50 IC3001-40, 56  0.7Vp-p(20μsec)	51 IC3002-42  2.3Vp-p(20μsec)	52 IC3002-44, 53  2.0Vp-p(20μsec)
53 TPL6  140Vp-p(20μsec)	54 TPL7  128Vp-p(20μsec)	55 TPL5  128Vp-p(20μsec)	

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