

# Service Manual

Colour Television

## TC-25V50R

### MX-2A Chassis



**Specifications/Технические характеристики**

**MX-2A Chassis Block Diagram/Блок-схема шасси MX-2A**

**The I<sup>2</sup>C Bus Concept/Концепция шины I<sup>2</sup>C**

**Location of Controls and Circuit Boards/Расположение органов управления и печатных плат**

**Service Hint/Приемы сервисного обслуживания**

**Adjustment procedure/Процедура настройки**

**Schematic Diagrams/Принципиальные схемы**

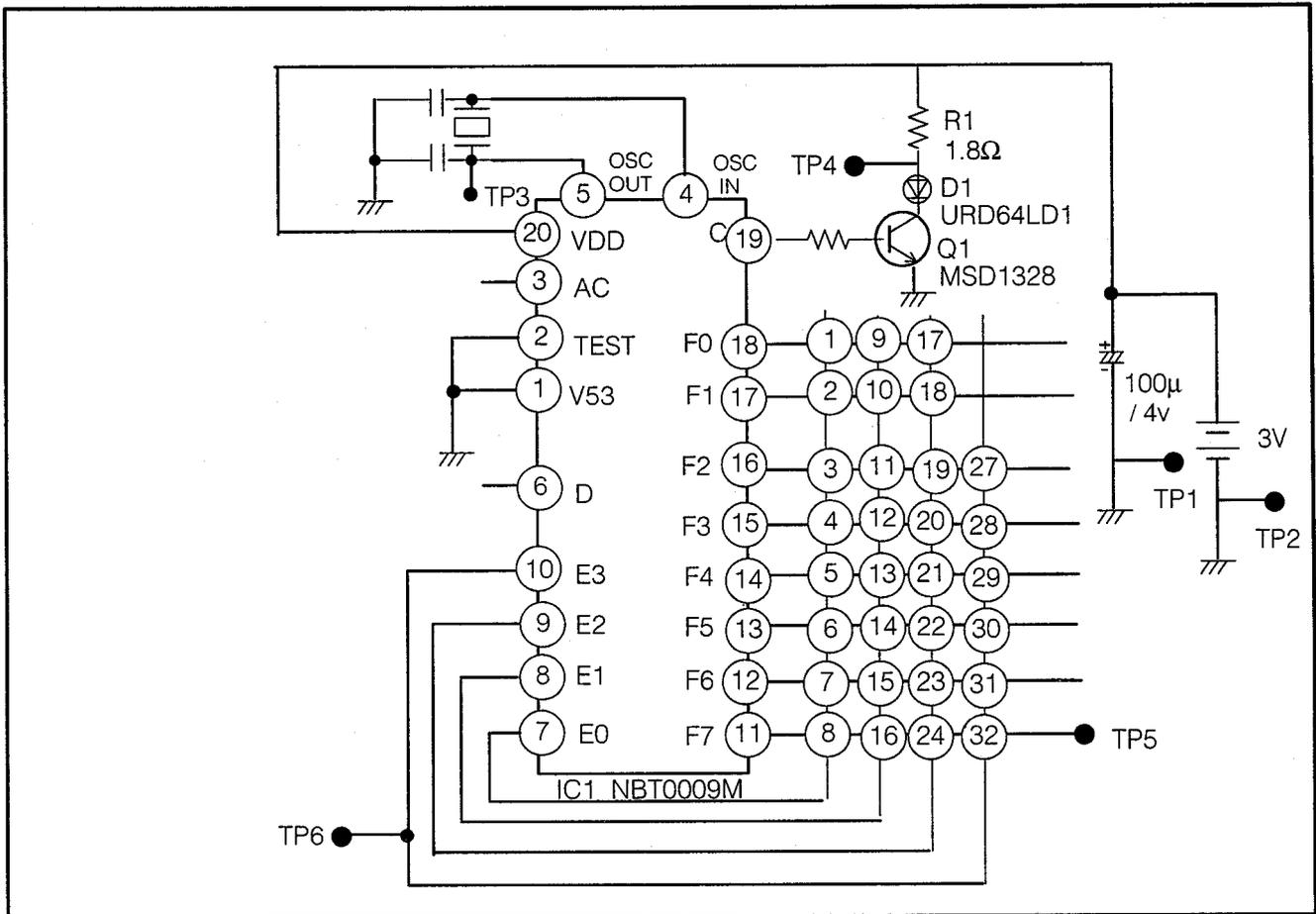
**Parts Location & Mechanical Replacement Parts List/Расположение деталей и перечень механических запасных частей**

**Replacement Parts List/Перечень запасных частей**

# Panasonic

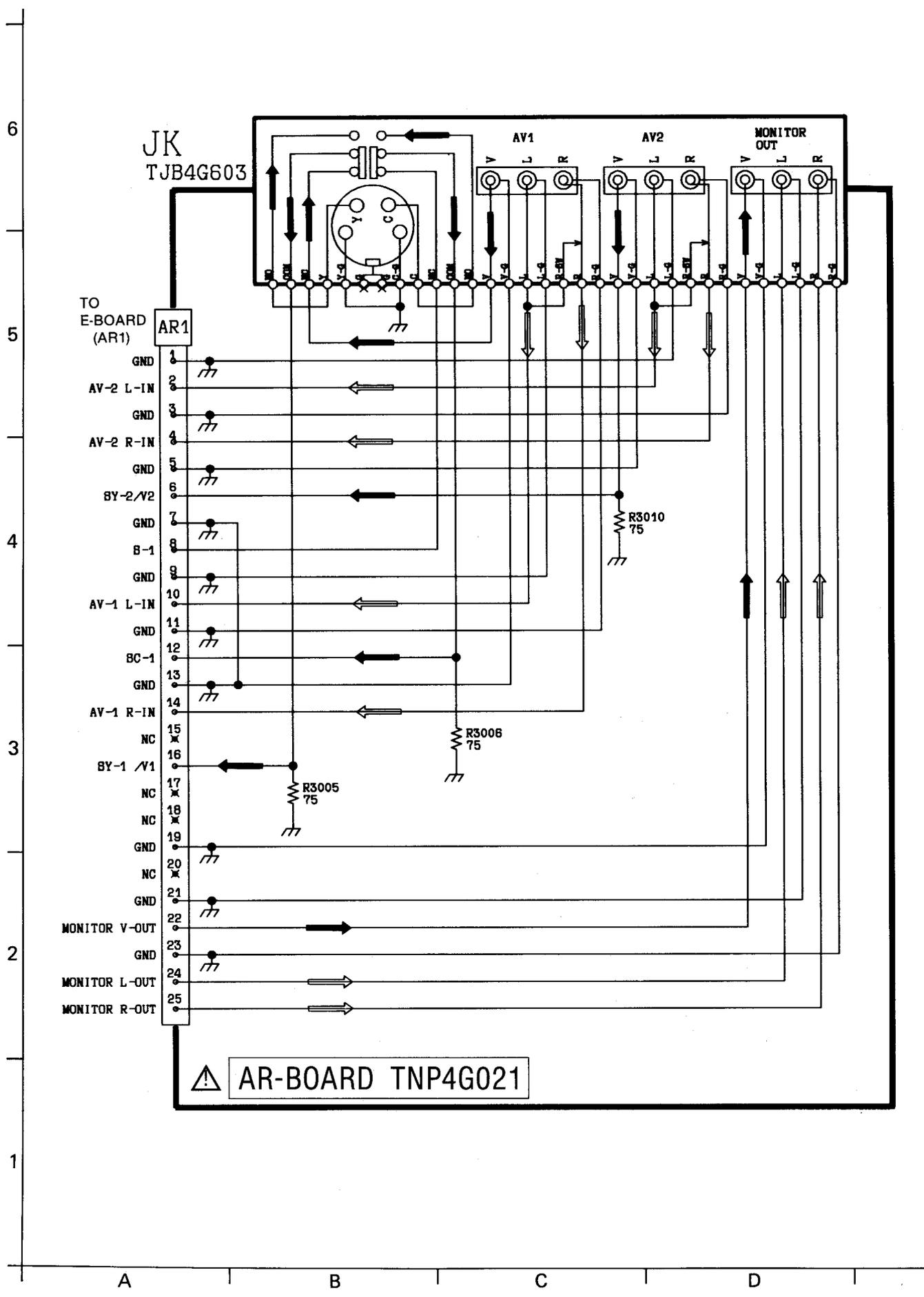
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## Remote Controller EUR501325



### Key Function Table

Key No.	Data Code	Function	Key No.	Data Code	Function	Key No.	Data Code	Function
1	05	TV / AV	2	06	PICTURE	3	—	—
4	07	SOUND MUTE	5	0C	NORMAL	6	0F	OFF TIMER
7	10	CH 1	8	11	CH 2	9	12	CH 3
10	13	CH 4	11	14	CH 5	12	15	CH 6
13	16	CH 7	14	17	CH 8	15	18	CH 9
16	19	CH 10 / 0	17	—	—	18	—	—
19	—	—	20	—	—	21	—	—
22	20	VOL UP	23	21	VOL DN	24	31	SURROUND
25	—	—	26	—	—	27	34	CH UP
28	35	CH DN	29	39	RECALL	30	—	—
31	3B	2 DIGIT	32	3D	TV POWER			



JK  
TJB4G603

TO  
E-BOARD  
(AR1)

AR1

AV1

AV2

MONITOR  
OUT

- 1 GND
- 2 AV-2 L-IN
- 3 GND
- 4 AV-2 R-IN
- 5 GND
- 6 BY-2/V2
- 7 GND
- 8 B-1
- 9 GND
- 10 AV-1 L-IN
- 11 GND
- 12 BC-1
- 13 GND
- 14 AV-1 R-IN
- 15 NC
- 16 BY-1/V1
- 17 NC
- 18 NC
- 19 GND
- 20 NC
- 21 GND
- 22 MONITOR V-OUT
- 23 GND
- 24 MONITOR L-OUT
- 25 MONITOR R-OUT



AR-BOARD TNP4G021

A

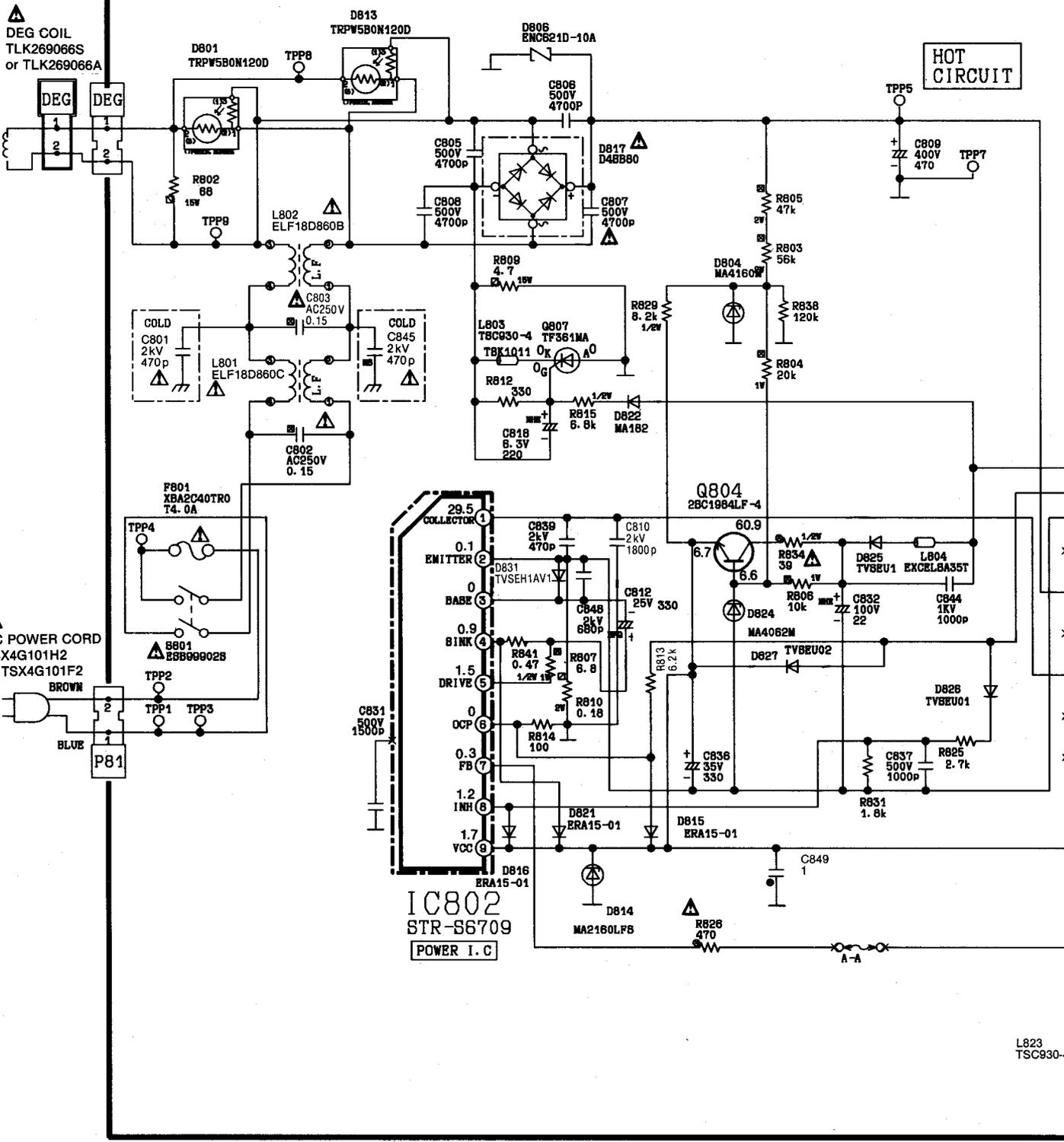
B

C

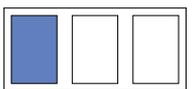
D

6  
5  
4  
3  
2  
1

6  
5  
4  
3  
2  
1



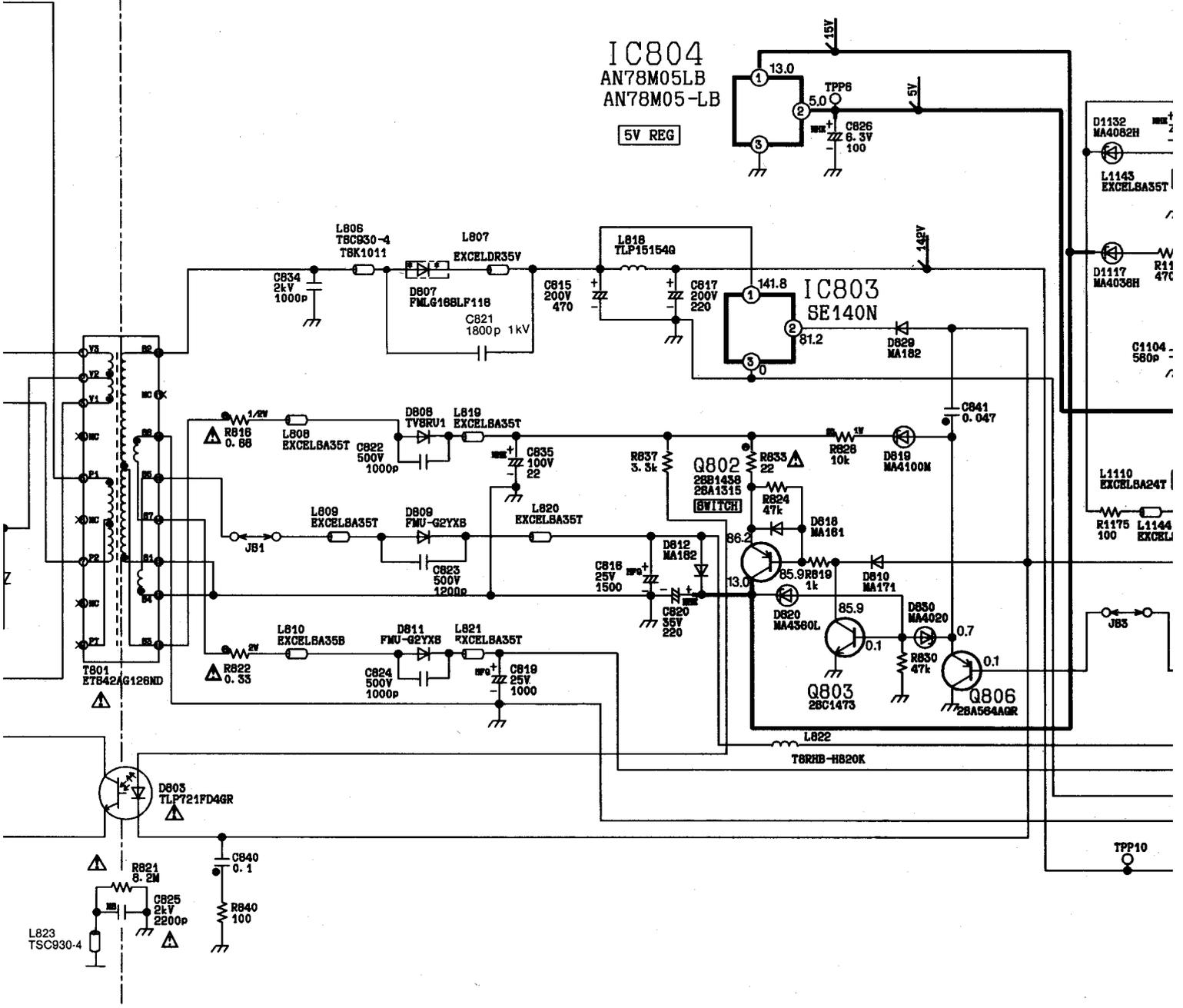
L823  
TSC930-4



IT

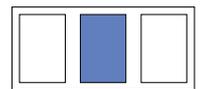
COLD  
CIRCUIT

⚠ P-BOARD TNP4G029AH  
(Except New Zea

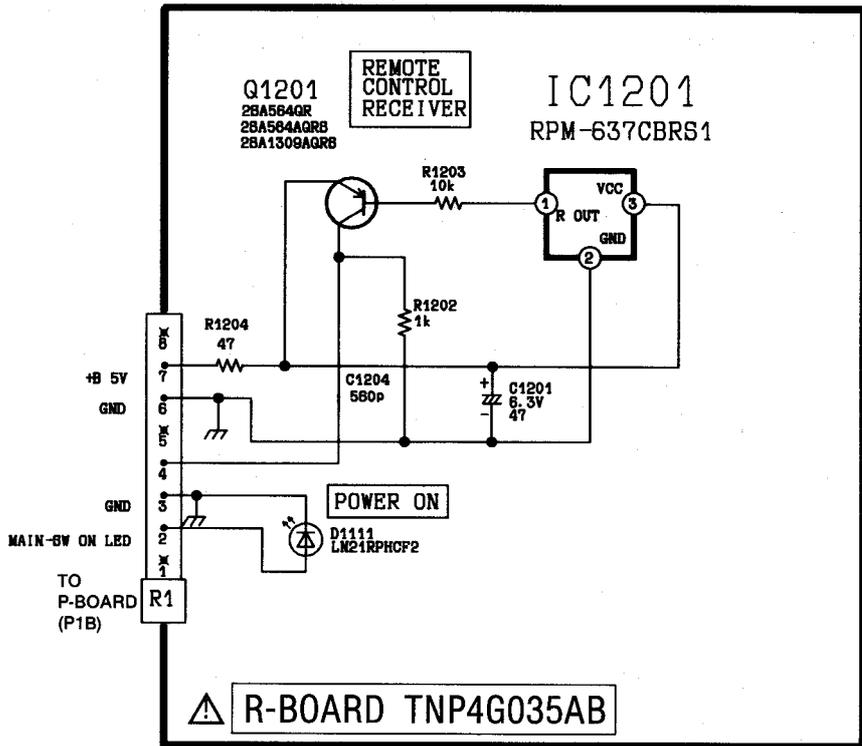
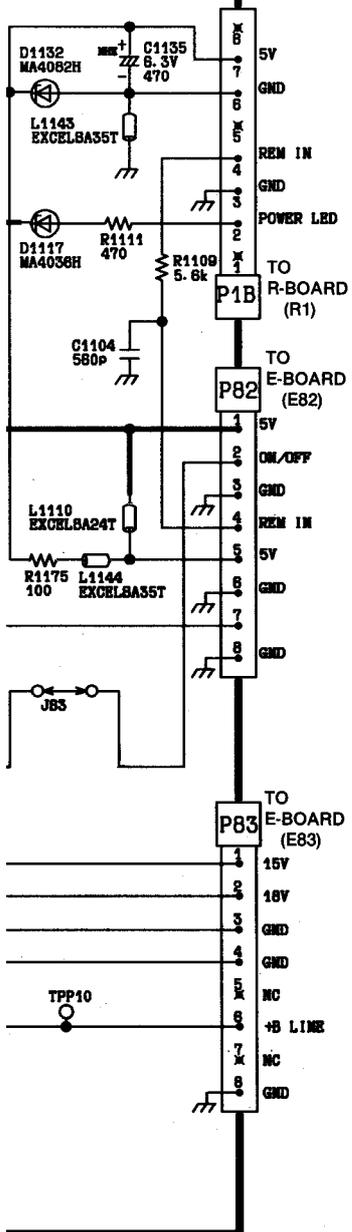


L823  
TSC930-4

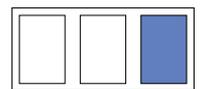
F | G | H | I | J

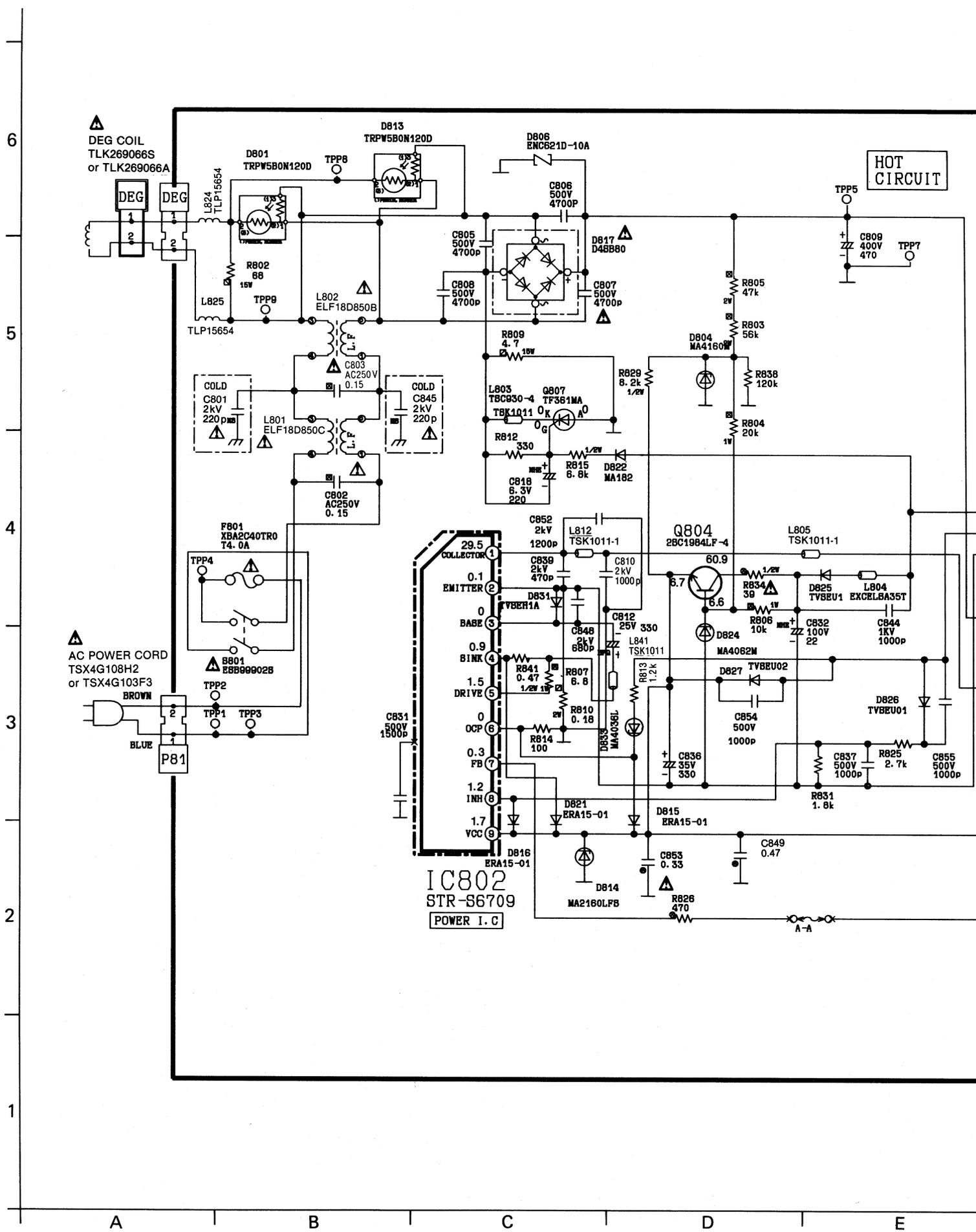


9AH  
(New Zealand)



J | K | L | M | N



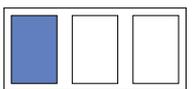


DEG COIL  
TLK269066S  
or TLK269066A

HOT  
CIRCUIT

AC POWER CORD  
TSX4G108H2  
or TSX4G103F3

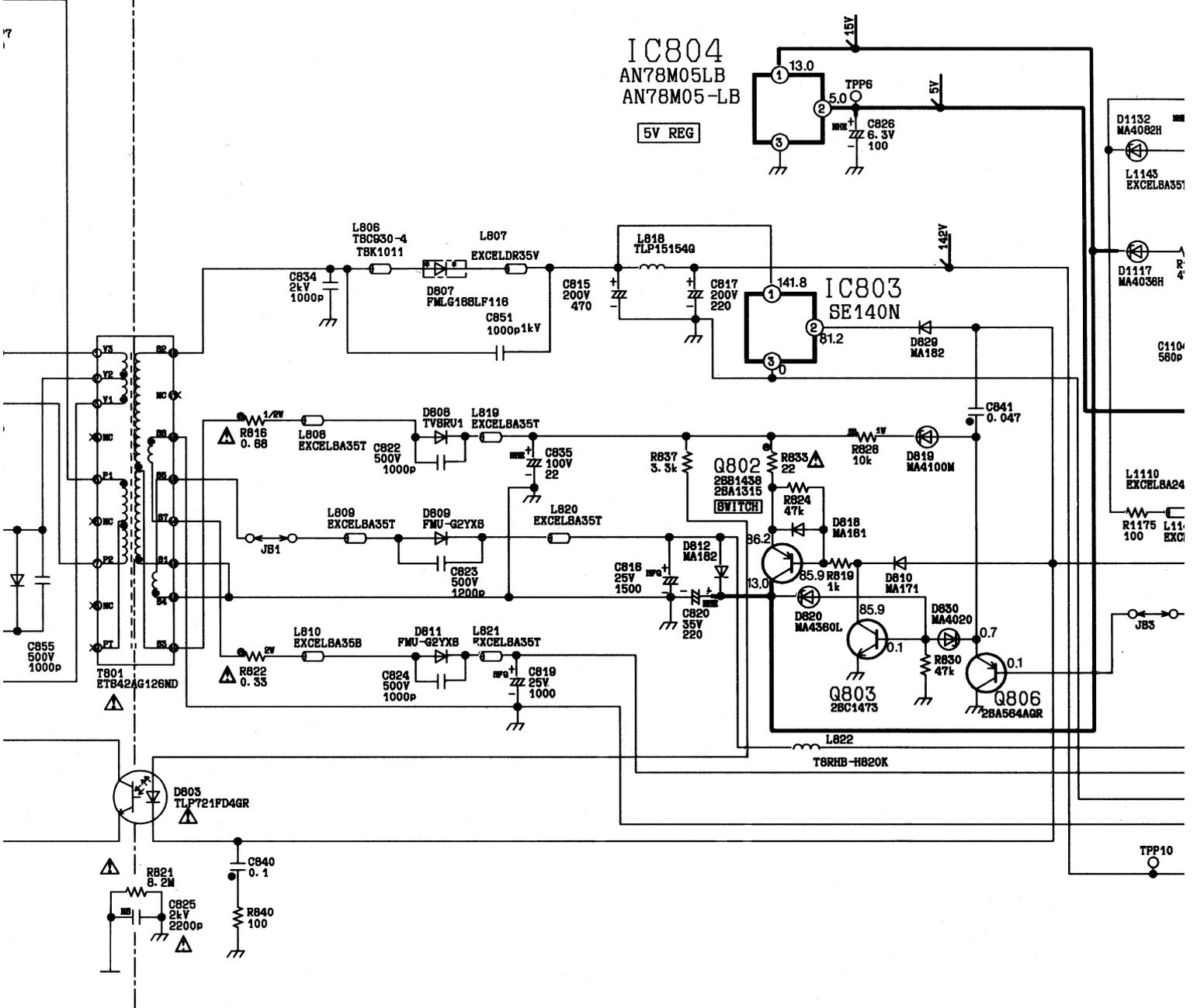
IC802  
STR-S6709  
POWER I.C



UIT

COLD  
CIRCUIT

⚠ P-BOARD TNP4G029AD  
(For New Zeal



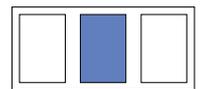
F

G

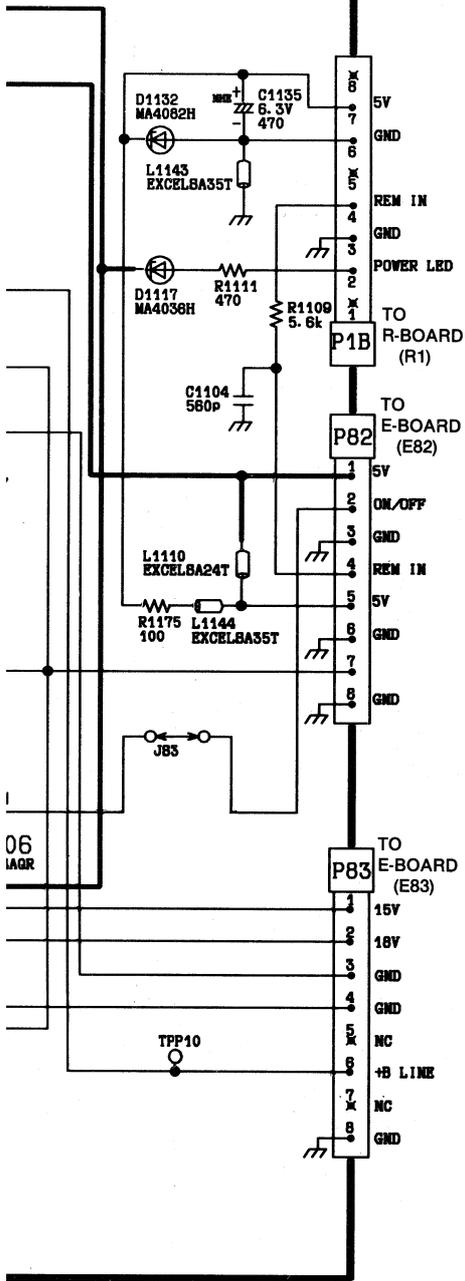
H

I

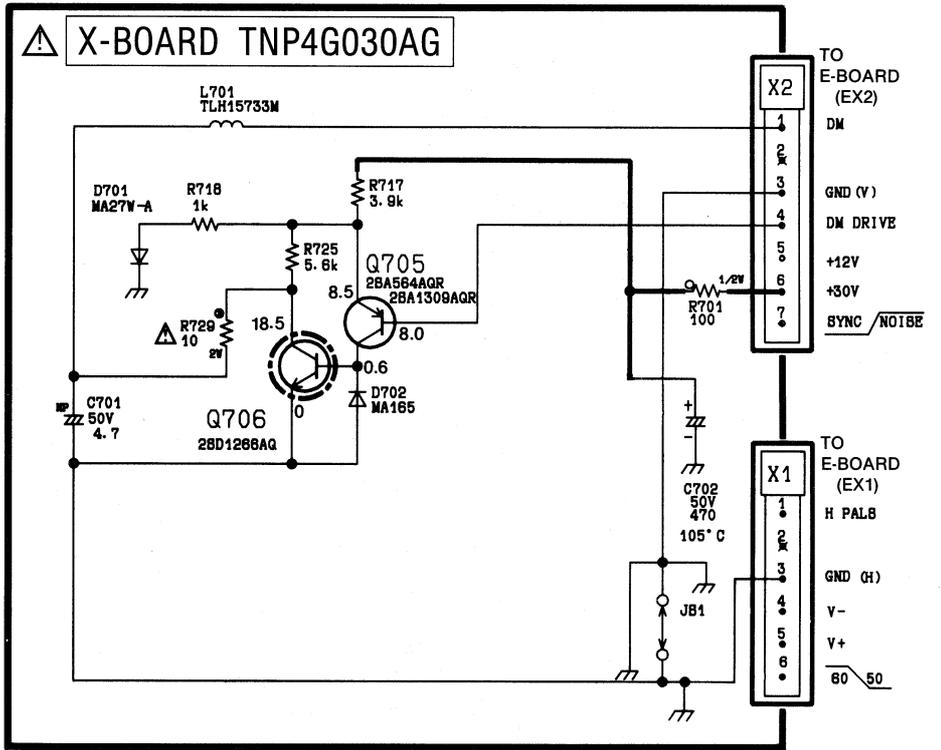
J



TNP4G029AD  
(For New Zealand)



X-BOARD TNP4G030AG



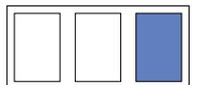
J

K

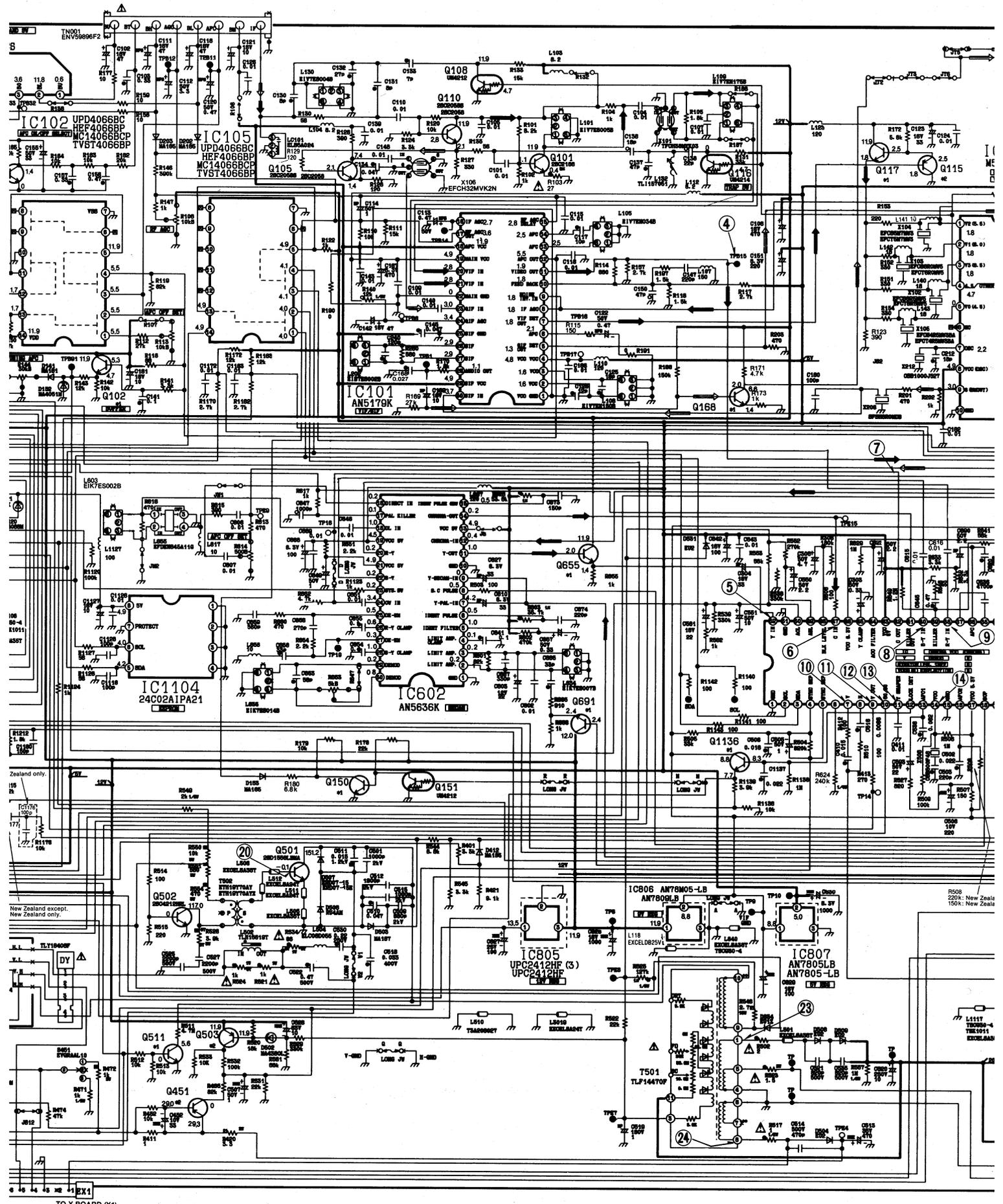
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M

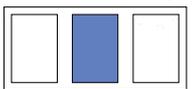
N







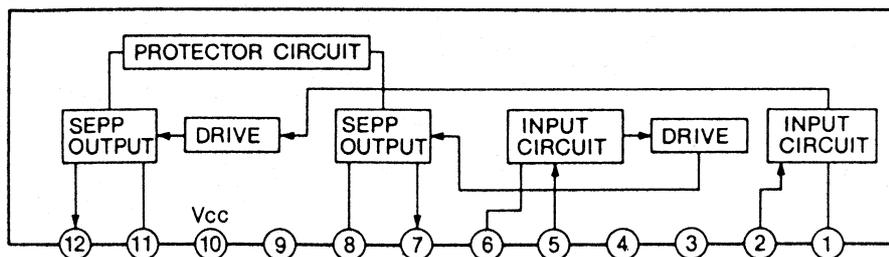
E F G H I J



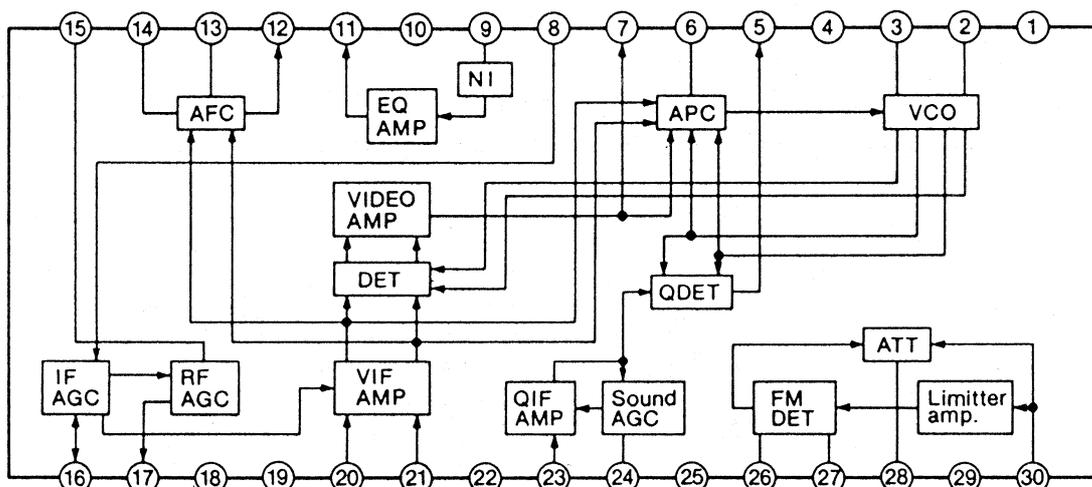


# Block Diagram for Integrated Circuits

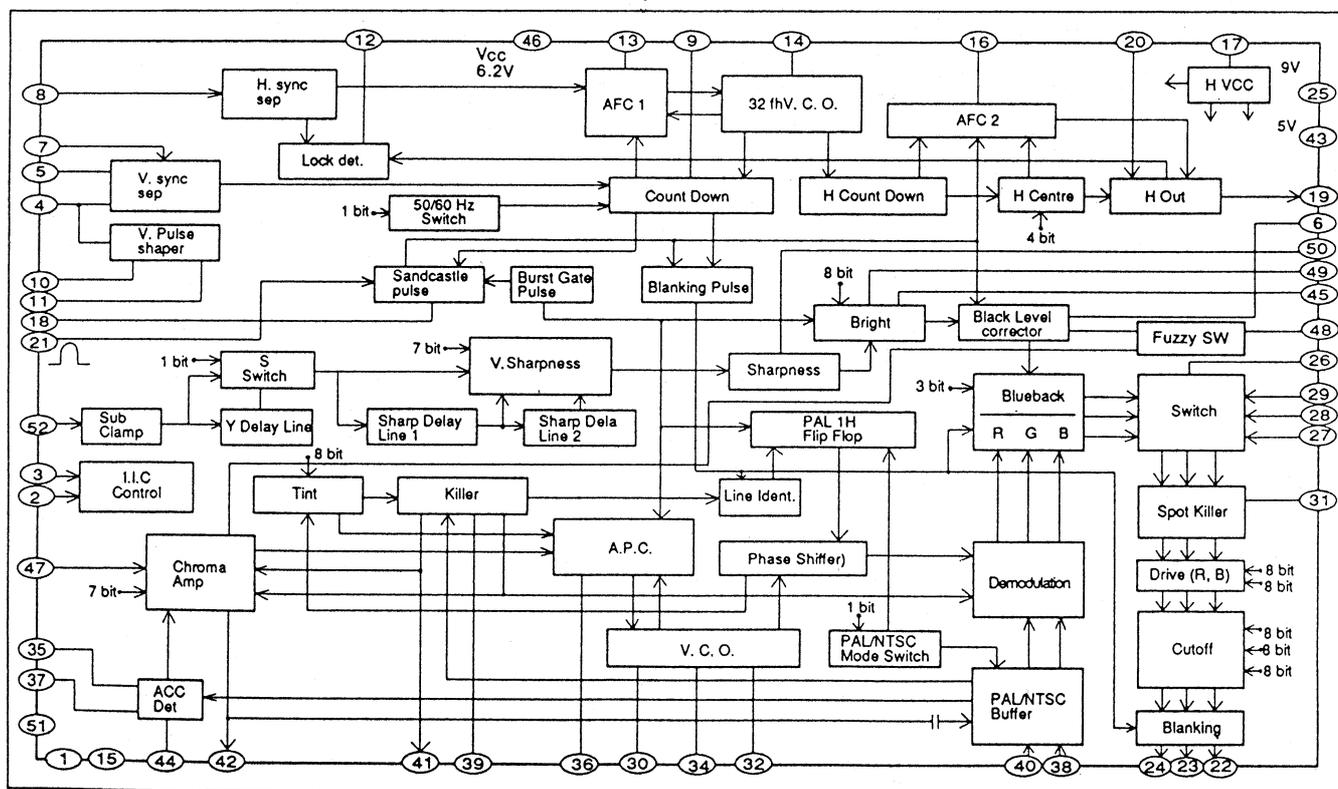
## IC2303 (AN7169)



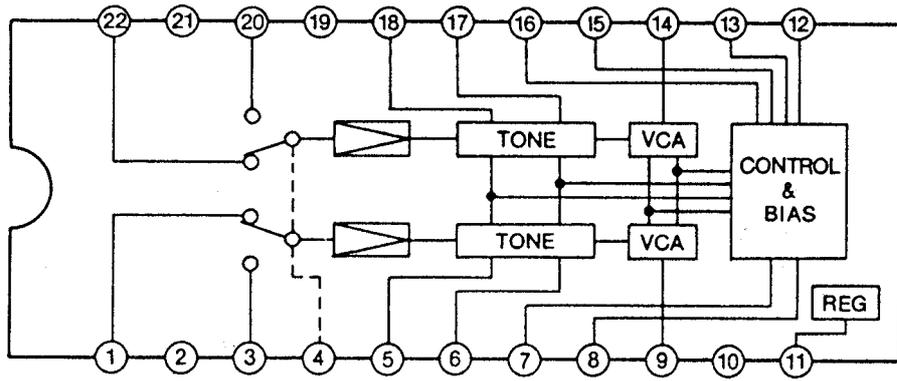
## IC101 (AN5179NK)



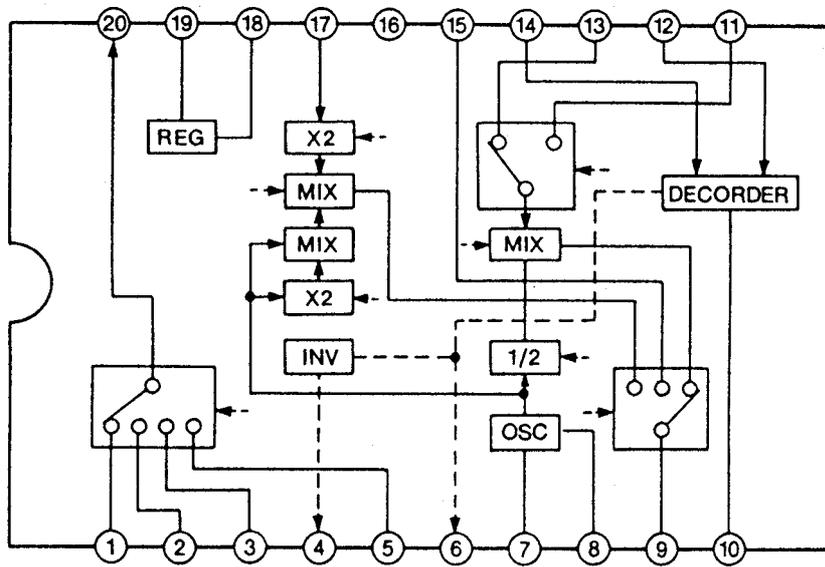
## IC601 (AN5607NK)



IC2302 (CXA1279AS)

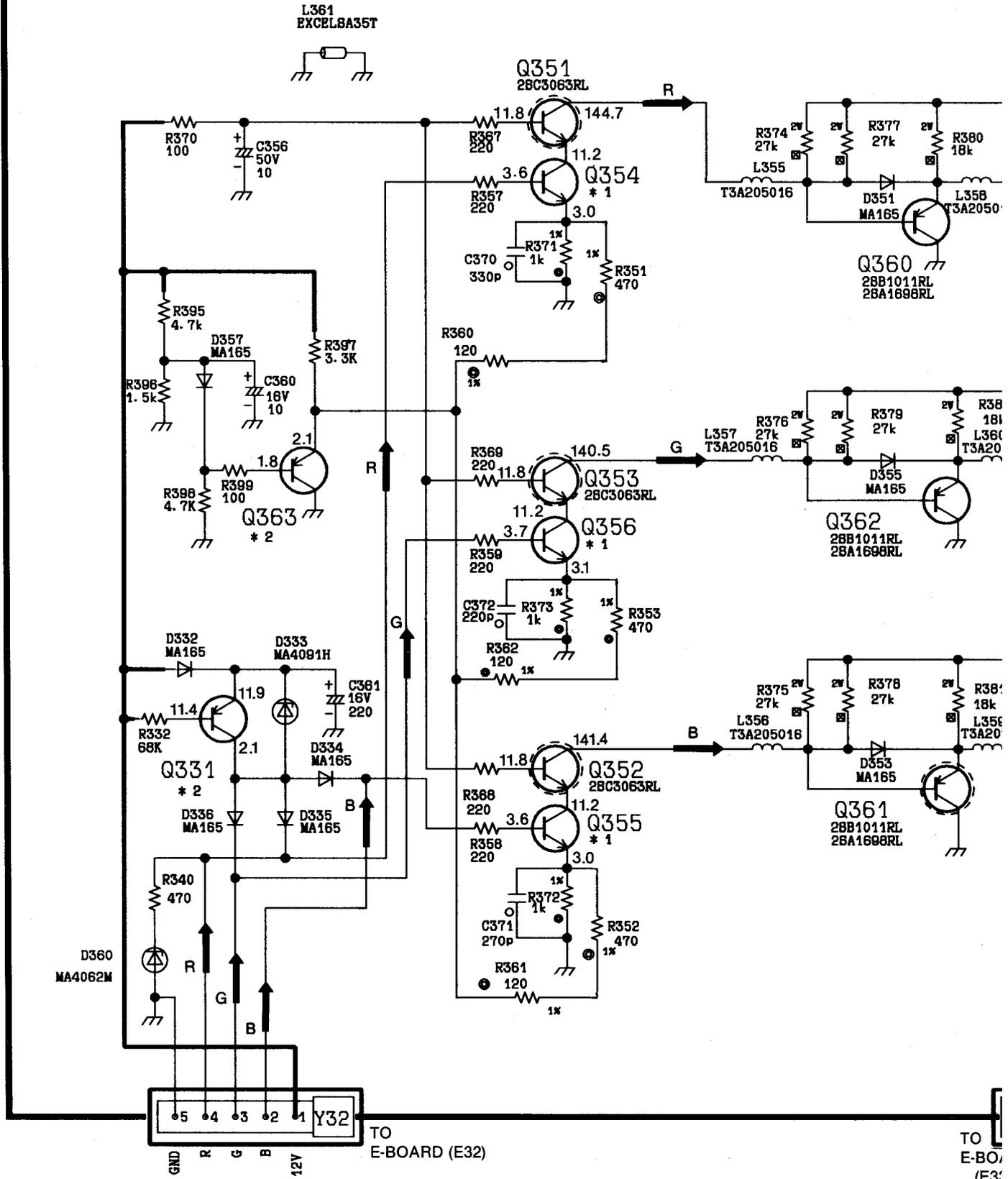


IC201 (M52317SP)

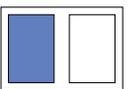


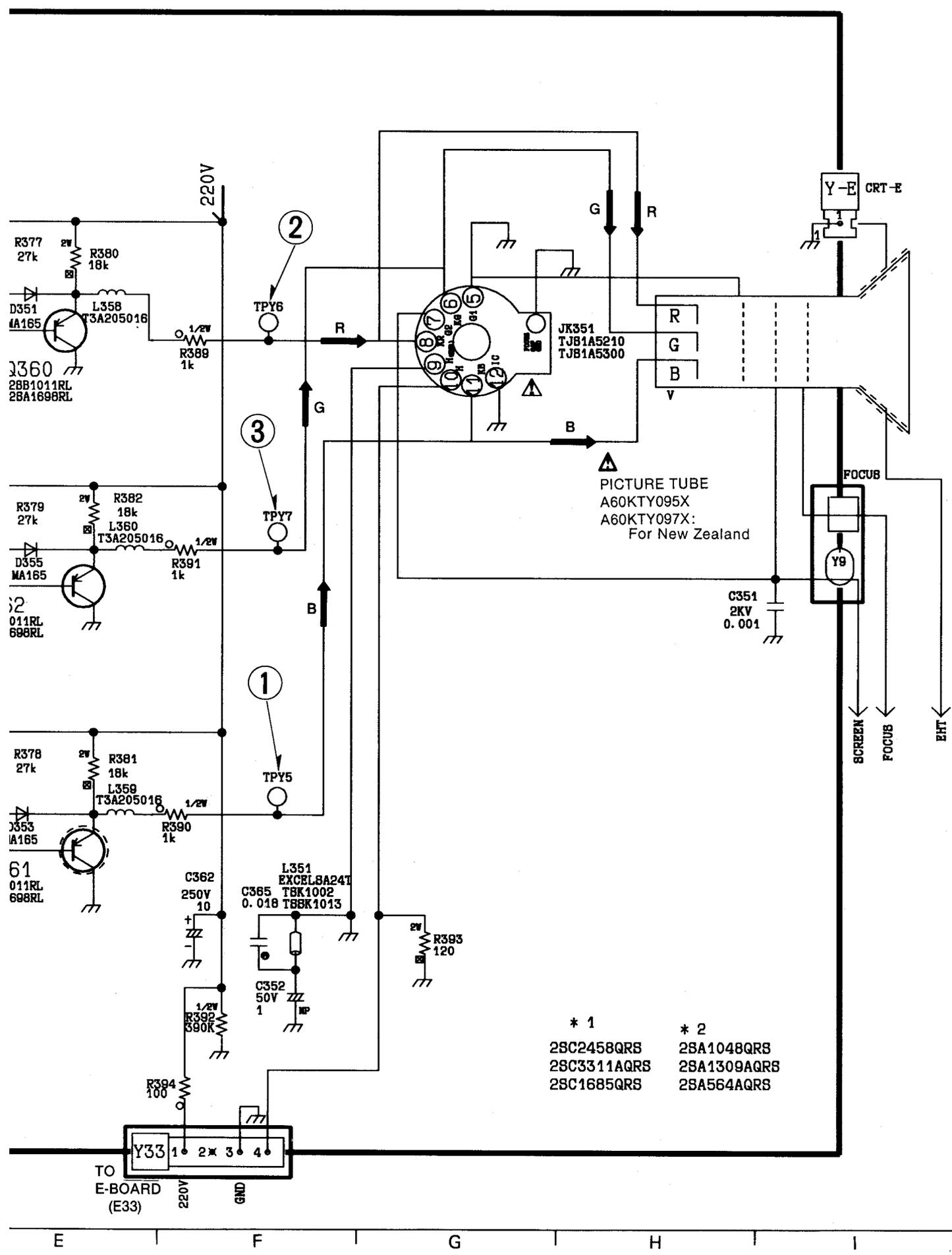
# Y-BOARD TNP4G034AD

6  
5  
4  
3  
2  
1

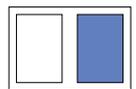


A | B | C | D | E

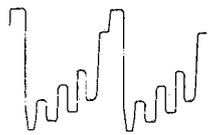
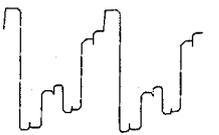
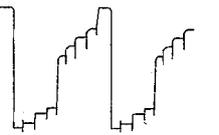
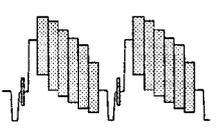
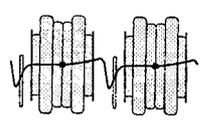
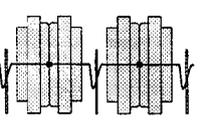
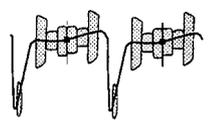
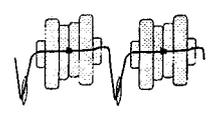
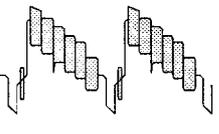
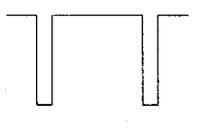
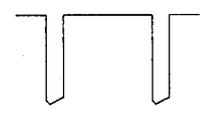
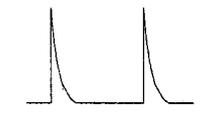
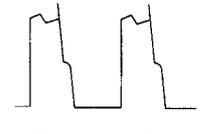
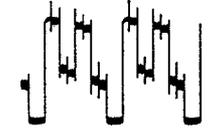
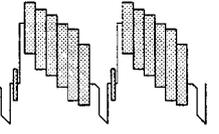
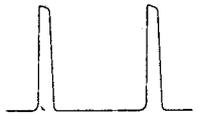
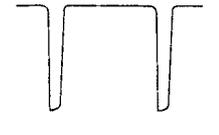
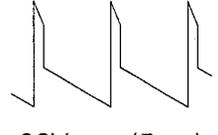
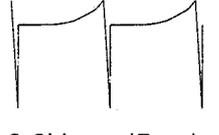




- \* 1  
25C2458QRS  
25C3311AQRS  
25C1685QRS
- \* 2  
25A1048QRS  
25A1309AQRS  
25A564AQRS



# WAVEFORM PATTERN TABLE

① TPY5  180Vp-p (20µs)	② TPY6  180Vp-p (20µs)	③ TPY7  180Vp-p (20µs)	④ TPB15  1.6Vp-p (20µs)
⑤ IC601-52  0.6Vp-p (20µs)	⑥ IC601-47  0.35Vp-p (20µs)	⑦ IC601-42  0.7Vp-p (20µs)	⑧ IC601-40  0.18Vp-p (20µs)
⑨ IC601-38  0.21Vp-p (20µs)	⑩ IC601-7  2.3Vp-p (20µs)	⑪ IC601-9  4.2Vp-p (5ms)	⑫ IC601-10  5.0Vp-p (5ms)
⑬ IC601-11  9.0Vp-p (5ms)	⑭ IC601-14  1.7Vp-p (5ms)	⑮ IC601-21  5.5Vp-p (20µs)	⑯ IC601-23  6.0Vp-p (20µs)
⑰ TP17  5.4Vp-p (20µs)	⑱ TP18  6.0Vp-p (20µs)	⑲ AR1-22  2.2Vp-p (20µs)	⑳ Q501-B  30Vp-p (20µs)
㉑ IC1102-24  0.15Vp-p (20µs)	㉒ IC1102-31  0.15Vp-p (20µs)	㉓ FBT-1  270Vp-p (20µs)	㉔ FBT-8  270Vp-p (20µs)
㉕ IC451-2  62Vp-p (5ms)	㉖ IC451-4  0.9Vp-p (5ms)		