

DCR-SR190E/SR200/SR200C/SR200E/SR290E/ SR300/SR300C/SR300E RMT-835

SERVICE MANUAL

LEVEL 3

Ver. 1.5 2008.03

Revision History

**How to use
Acrobat Reader**

Revised-2

Replace the previously issued
SERVICE MANUAL 9-852-189-12
with this Manual.



Photo: DCR-SR300

*US Model
Canadian Model
AEP Model
UK Model
E Model
Australian Model
Hong Kong Model
Chinese Model
Korea Model
Tourist Model
Japanese Model*

Link

• **MODEL INFORMATION TABLE**

• **PRINTED WIRING BOARDS**

• **REPAIR PARTS LIST**

• **SCHEMATIC DIAGRAMS**

The components identified by
mark Δ or dotted line with
mark Δ are critical for safety.
Replace only with part num-
ber specified.

Les composants identifiés par une
marque Δ sont critiques pour la
sécurité.
Ne les remplacer que par une pièce
portant le numéro spécifié.

DIGITAL VIDEO CAMERA RECORDER

SONY®

Model information table

Model	SR190E	SR200	SR200C	SR200E
Destination	AEP, UK	US, CND, E, KR	US	AEP, AUS, CH, E, HK
Color system	PAL	NTSC	NTSC	PAL
HDD	40 GB	40 GB	100 GB	40 GB
CM board	CM-076	CM-076	CM-076	CM-076

Model	SR290E	SR300	SR300C	SR300E
Destination	AEP, UK	US, CND, E, KR, JE, J	US	AEP, AUS, CH, E, HK, JE
Color system	PAL	NTSC	NTSC	PAL
HDD	40 GB	40 GB	100 GB	40 GB
CM board	CM-077	CM-077	CM-077	CM-077

- Abbreviation
 - AR : Argentine model
 - AUS : Australian model
 - BR : Brazilian model
 - CH : Chinese model
 - CND: Canadian model
 - EE : East European model
 - HK : Hong Kong model
 - J : Japanese model
 - JE : Tourist model
 - KR : Korea model
 - MX : Mexican model
 - NE : North European model

CAUTION

Danger of explosion if battery is incorrectly replaced.
Replace only with the same or equivalent type.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK $\triangle$ OR DOTTED LINE WITH MARK $\triangle$ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE $\triangle$ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer.

1. Check the area of your repair for unsoldered or poorly-soldered connections. Check the entire board surface for solder splashes and bridges.
2. Check the interboard wiring to ensure that no wires are "pinched" or contact high-wattage resistors.
3. Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
4. Look for parts which, through functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
5. Check the B+ voltage to see it is at the values specified.
6. Flexible Circuit Board Repairing
 - Keep the temperature of the soldering iron around 270°C during repairing.
 - Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
 - Be careful not to apply force on the conductor when soldering or unsoldering.

Unleaded solder

Boards requiring use of unleaded solder are printed with the lead-free mark (LF) indicating the solder contains no lead.

(Caution: Some printed circuit boards may not come printed with the lead free mark due to their particular size.)

** : LEAD FREE MARK**

Unleaded solder has the following characteristics.

- Unleaded solder melts at a temperature about 40°C higher than ordinary solder.
Ordinary soldering irons can be used but the iron tip has to be applied to the solder joint for a slightly longer time.
Soldering irons using a temperature regulator should be set to about 350°C.
Caution: The printed pattern (copper foil) may peel away if the heated tip is applied for too long, so be careful!
- Strong viscosity
Unleaded solder is more viscous (sticky, less prone to flow) than ordinary solder so use caution not to let solder bridges occur such as on IC pins, etc.
- Usable with ordinary solder
It is best to use only unleaded solder but unleaded solder may also be added to ordinary solder.

注意

電池の交換は、正しく行わないと破裂する恐れがあります。電池を交換する場合には必ず同じ型名の電池又は同等品と交換してください。

サービス、点検時には次のことにご注意ください。

1. 注意事項をお守りください。

サービスのとき特に注意を要する個所については、キャビネット、シャーシ、部品などにラベルや捺印で注意事項を表示しています。これらの注意書き及び取扱説明書等の注意事項を必ずお守り下さい。

2. 指定部品のご使用を

セットの部品は難燃性や耐電圧など安全上の特性を持ったものとなっています。従って交換部品は、使用されていたものと同じ特性の部品を使用して下さい。特に回路図、部品表に△印で指定されている安全上重要な部品は必ず指定のものをご使用下さい。

3. 部品の取付けや配線の引きまわしはもとどおりに

安全上、チューブやテープなどの絶縁材料を使用したり、プリント基板から浮かして取付けた部品があります。また内部配線は引きまわしやクランパによって発熱部品や高圧部品に接近しないよう配慮されていますので、これらは必ずもとどおりにして下さい。

4. サービス後は安全点検を

サービスのために取外したネジ、部品、配線がもとどおりにになっているか、またサービスした個所の周辺を劣化させてしまったところがないかなどを点検し、安全性が確保されていることを確認して下さい。

5. チップ部品交換時の注意

- ・ 取外した部品は再使用しないで下さい。
- ・ タンタルコンデンサのマイナス側は熱に弱いいため交換時は注意して下さい。

6. フレキシブルプリント基板の取扱いについて

- ・ コテ先温度を270℃前後にして行なって下さい。
- ・ 同一パターンに何度もコテ先を当てないで下さい。（3回以内）
- ・ パターンに力が加わらないよう注意して下さい。

7. 無鉛半田について

無鉛半田を使用している基板には、無鉛（Lead Free）を意味するレッドフリーマークがプリントされています。

（注意：基板サイズによっては、無鉛半田を使用してもレッドフリーマークがプリントされていないものがあります）

：レッドフリーマーク

無鉛半田には、以下の特性があります。

- ・ 融点が従来の半田よりも約40℃高い。
従来の半田こてをそのまま使用することは可能ですが、少し長めにこてを当てる必要があります。
温度調節機能のついた半田こてを使用する場合、約350℃に設定して下さい。
注意：半田こてを長く当てすぎると、基板のパターン（銅箔）がはがれてしまうことがありますので、注意して下さい。
- ・ 粘性が強い
従来の半田よりも粘性が強いため、IC端子などが半田ブリッジしないように注意して下さい。
- ・ 従来の半田と混ぜて使用可能
無鉛半田には無鉛半田を追加するのが最適ですが、従来の半田を追加しても構いません。

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4-2. SCHEMATIC DIAGRAMS

Link

CM-076 BOARD: SR190E/SR200/SR200C/SR200E (CMOS IMAGER)	VC-492 BOARD (9/13) (CPU (POWER SUPPLY))
CM-077 BOARD: SR290E/SR300/SR300C/SR300E (CMOS IMAGER)	VC-492 BOARD (10/13) (SOC)
VC-492 BOARD (1/13) (TRIPLE CHANNEL ADC1)	VC-492 BOARD (11/13) (ZOOM AND FOCUS DRIVE)
VC-492 BOARD (2/13) (TRIPLE CHANNEL ADC2)	VC-492 BOARD (12/13) (LENS CONTROL)
VC-492 BOARD (3/13) (CAMERA SIGNAL PROCESS)	VC-492 BOARD (13/13) (SHUTTER DRIVE, G SENSOR, CONNECTOR)
VC-492 BOARD (4/13) (32BIT MASK-ROM)	DA-042 BOARD (1/5) (VIDEO, AUDIO PROCESSOR)
VC-492 BOARD (5/13) (256M x 32BIT SDRAM: SR290E/SR300/SR300C/SR300E) (128M x 16BIT SDRAM: SR190E/SR200/SR200C/SR200E)	DA-042 BOARD (2/5) (POWER SUPPLY)
VC-492 BOARD (6/13) (CPU (SIGNAL PROCESS 1))	DA-042 BOARD (3/5) (DC-DC CONVERTER CONTROLLER)
VC-492 BOARD (7/13) (SDRAM, OneNAND FLASH)	DA-042 BOARD (4/5) (POWER CONTROL)
VC-492 BOARD (8/13) (CPU (SIGNAL PROCESS 2))	DA-042 BOARD (5/5) (HOTSHOE, PS, CONNECTOR)

• COMMON NOTE FOR SCHEMATIC DIAGRAMS

4. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

4-2. SCHEMATIC DIAGRAMS

(ENGLISH)

THIS NOTE IS COMMON FOR SCHEMATIC DIAGRAMS

(In addition to this, the necessary note is printed in each block)

(For schematic diagrams)

- All capacitors are in μF unless otherwise noted. pF : μF . 50 V or less are not indicated except for electrolytics and tantalums.
- Chip resistors are 1/10 W unless otherwise noted. $\text{k}\Omega=1000\ \Omega$, $\text{M}\Omega=1000\ \text{k}\Omega$.
- Caution when replacing chip parts.
New parts must be attached after removal of chip.
Be careful not to heat the minus side of tantalum capacitor, Because it is damaged by the heat.
- Some chip part will be indicated as follows.

Example	C541	L452
	22U	10UH
	TA A	2520
Kinds of capacitor	Case size	External dimensions (mm)

- Constants of resistors, capacitors, ICs and etc with XX indicate that they are not used.
In such cases, the unused circuits may be indicated.
- Parts with ★ differ according to the model/destination. Refer to the mount table for each function.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- Signal name
XEDIT → EDIT PB/XREC → PB/REC
- : non flammable resistor
- : fusible resistor
- : panel designation
- : B+ Line
- : B- Line
- : IN/OUT direction of (+, -) B LINE.
- : adjustment for repair.
- : not use circuit

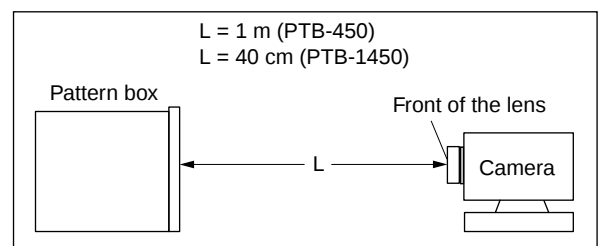
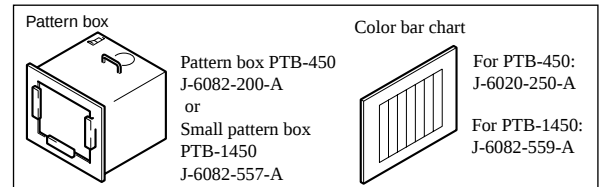
(Measuring conditions voltage and waveform)

- Voltages and waveforms are measured between the measurement points and ground when camera shoots color bar chart of pattern box. They are reference values and reference waveforms.
(VOM of DC 10 $\text{M}\Omega$ input impedance is used)
- Voltage values change depending upon input impedance of VOM used.)

Precautions for Replacement of Imager

- If the imager has been replaced, carry out all the adjustments for the camera section.
- As the imager may be damaged by static electricity from its structure, handle it carefully like for the MOS IC.
In addition, ensure that the receiver is not covered with dusts nor exposed to strong light.

1. Connection



2. Adjust the distance so that the output waveform of Fig. a and the Fig. b can be obtain.

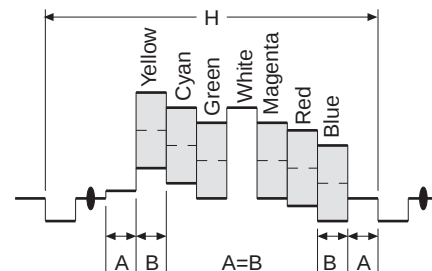


Fig. a (Video output terminal output waveform)

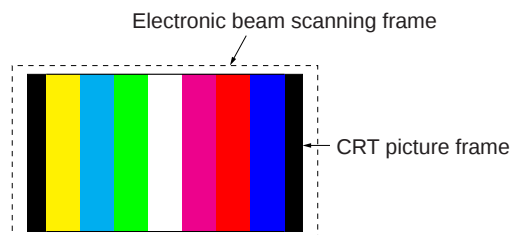


Fig.b (Picture on monitor TV)

When indicating parts by reference number, please include the board name.

The components identified by mark $\triangle$ or dotted line with mark $\triangle$ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque $\triangle$ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

(JAPANESE)

回路図共通ノート

(他に必要なノートは各ブロックに記載してあります)

【回路図ノート】

- ・ケミコン、タンタルを除くコンデンサで、耐圧50V以下のものはその耐圧を省略。単位はすべて μF (pはpF)。
- ・チップ抵抗で指示のないものは、1/10W以下。
k Ω = 1000 Ω , M Ω = 1000k Ω
- ・チップ部品交換時の注意
取り外した部品は再使用せず、未使用の部品をご使用ください。
- ・タンタルコンデンサのマイナス側は熱に弱いため注意してください。
- ・チップ部品には下記のように表示したものがあります。

例	C 541	L 452
	22U	10UH
	TA A	2520
	↑	↑
	種類 ケースサイズ	外形寸法 (mm)

- ・抵抗、コンデンサ、ICなど定数にXXがあるものは、使用していない事を示しています。このため、使用していない回路が記載されている事があります。
- ・★印のある部品は、機種などにより異なりますので機能別マウント一覧表を参照してください。
- ・可変抵抗と半固定抵抗で、B特性の表示を省略。
- ・信号名表記について、下記のような場合があります。
XEDIT → EDIT PB/XREC → PB/REC
- ・ は不燃性抵抗。
- ・ はヒューズ抵抗。
- ・ はパネル表示名称。
- ・ はB+ライン。
- ・ はB-ライン。
- ・ はBライン (+, -) の入出力方向を示す。
- ・ は調整名称。
- ・ は未使用回路。

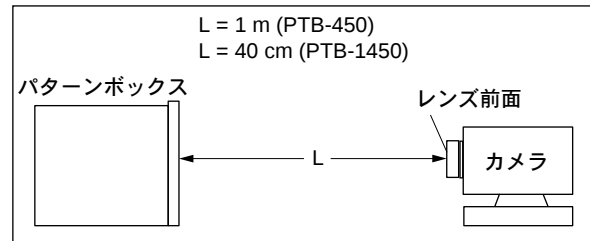
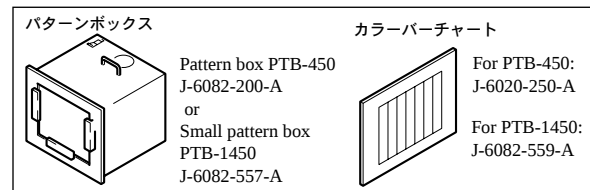
【電圧・波形測定条件ノート】

- ・電圧値及び信号波形はパターンボックスのカラーバーチャートを被写体としたときの測定点对アース間の参考値。
(デジタルマルチメータ; 入力インピーダンス DC10M Ω 使用)
- ・使用テストの入力インピーダンスにより電圧値が多少異なります。

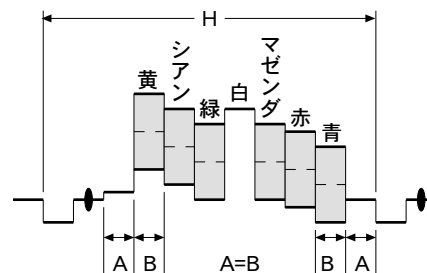
イメージ交換時の注意

- ・イメージを交換した場合は、カメラ部の全調整を行ってください。
- ・イメージは構造上、静電気により破壊される恐れがあるため、MOS ICと同様に注意して取り扱ってください。
- ・また、受光部にはゴミの付着、および強い光がはいることのないように注意してください。

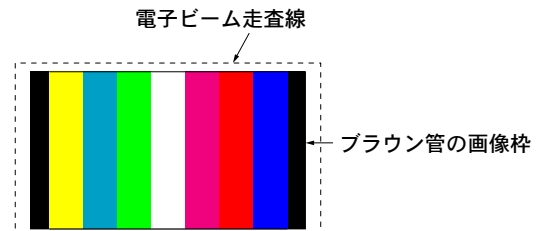
1. 接続図



2. 図a及び図bの波形が得られるように画枠調整して下さい。



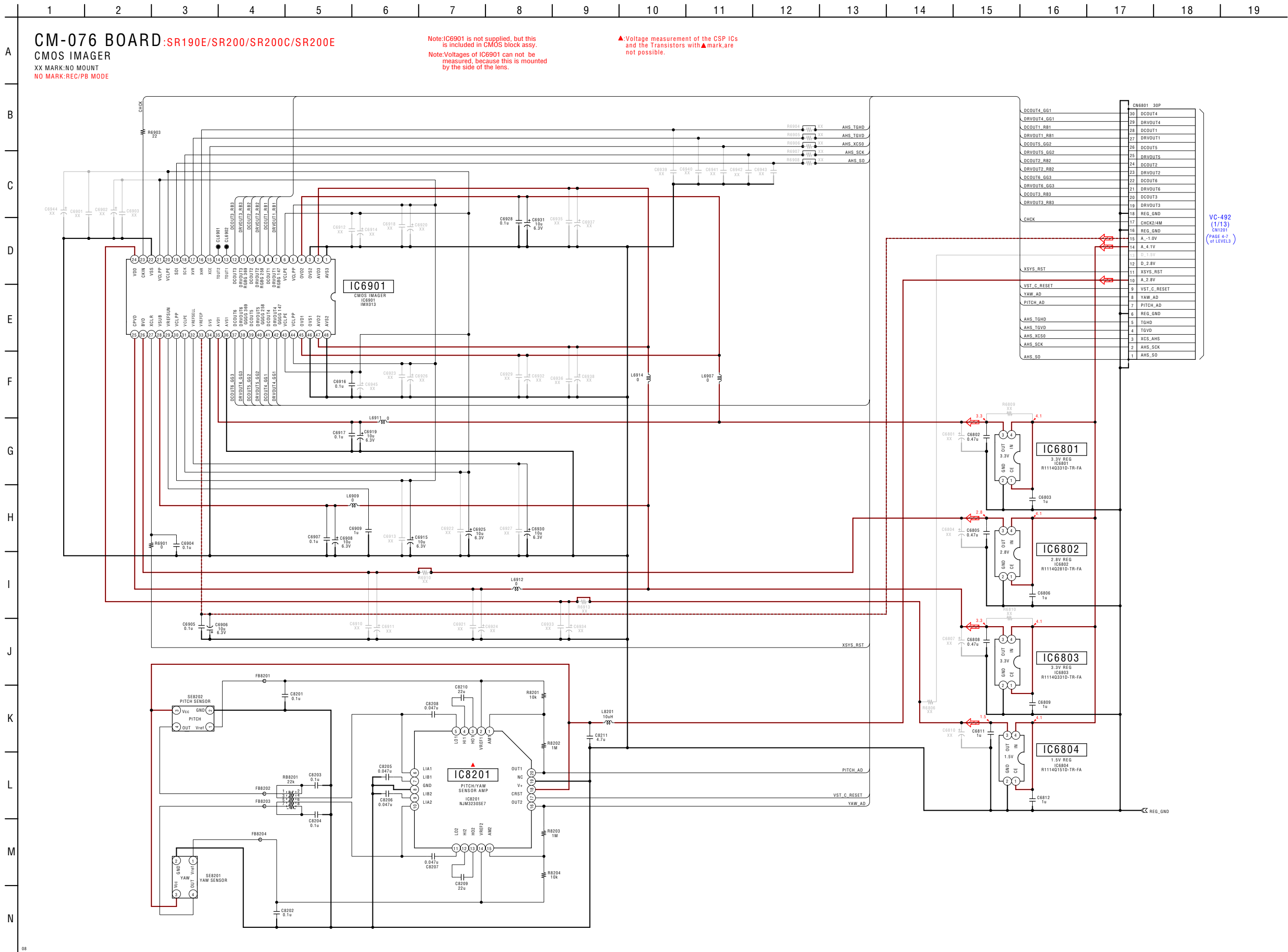
図a (映像入出力端子出力波形)

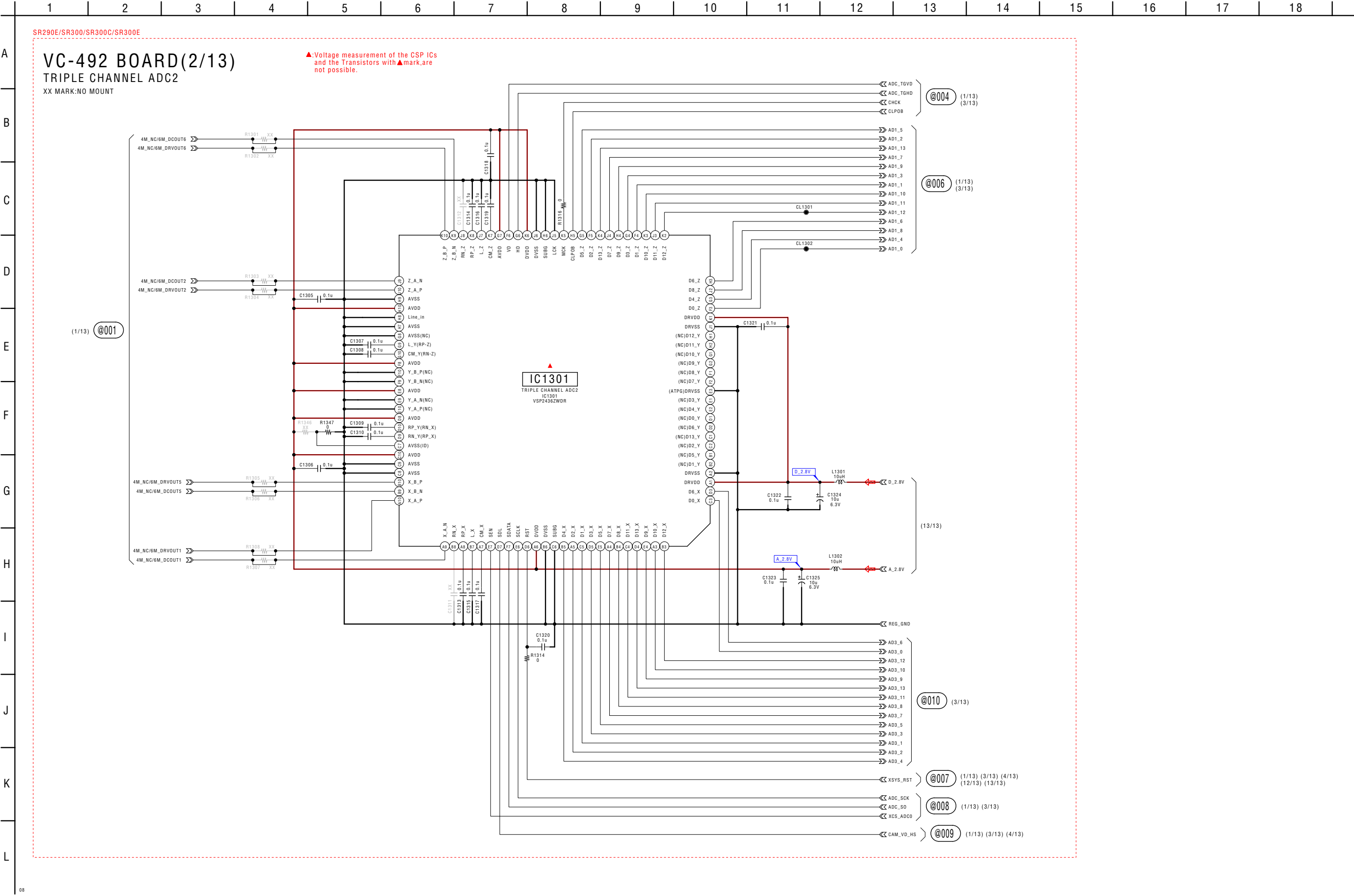


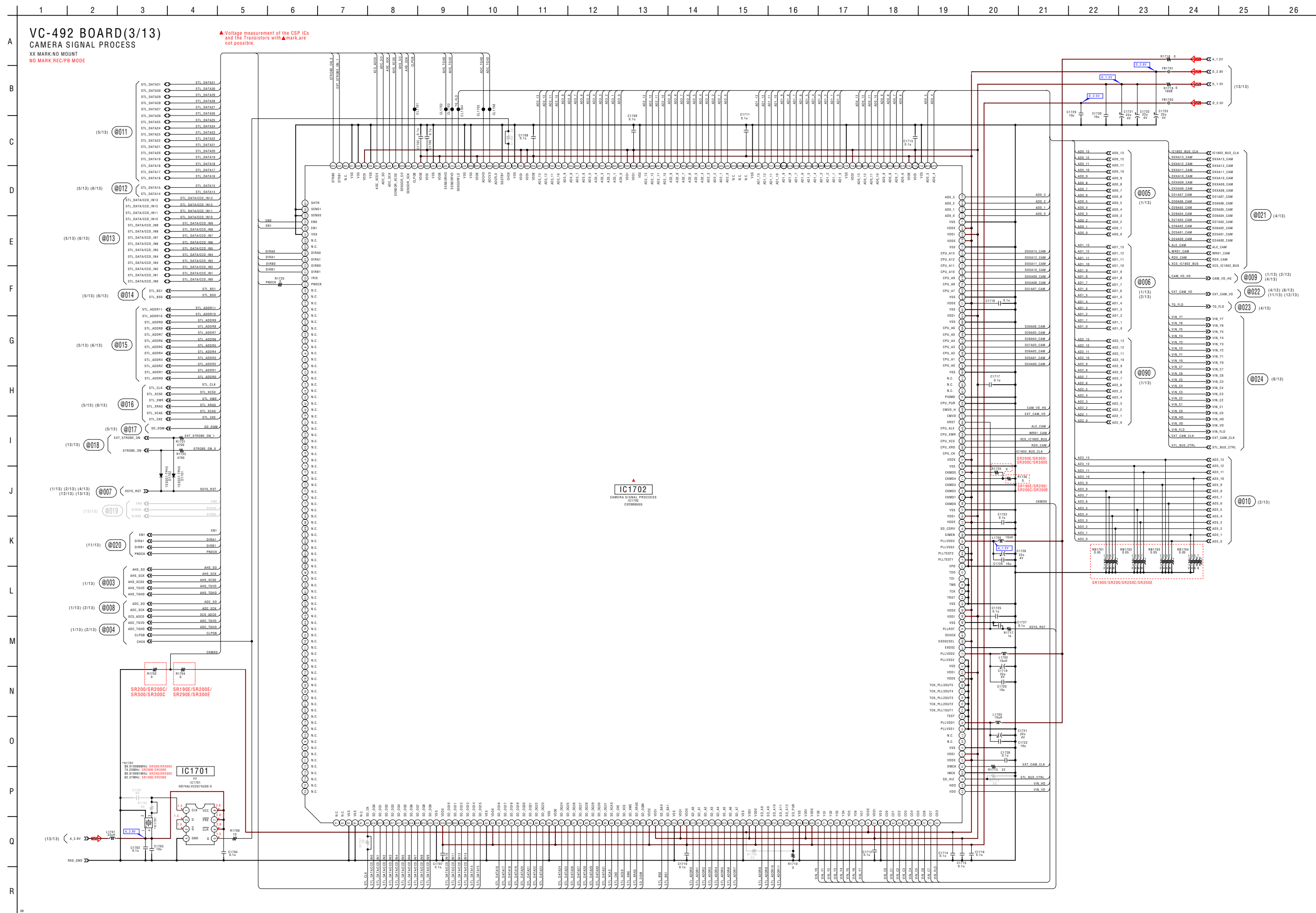
図b (テレビモニタの映像)

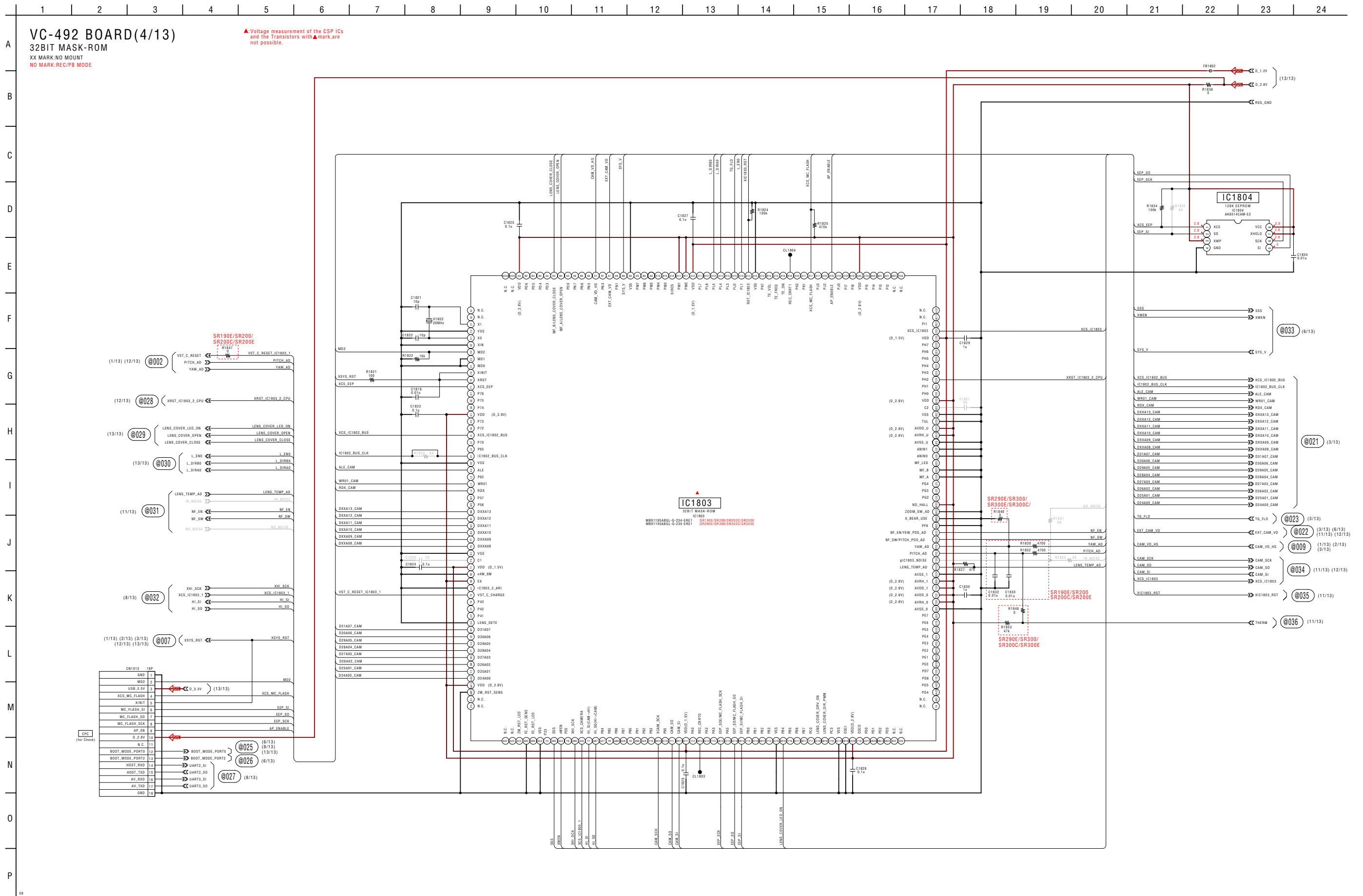
△印の部品、または△印付きの点線で囲まれた部品は、安全性を維持するために重要な部品です。従って交換時は、必ず指定の部品を使用して下さい。

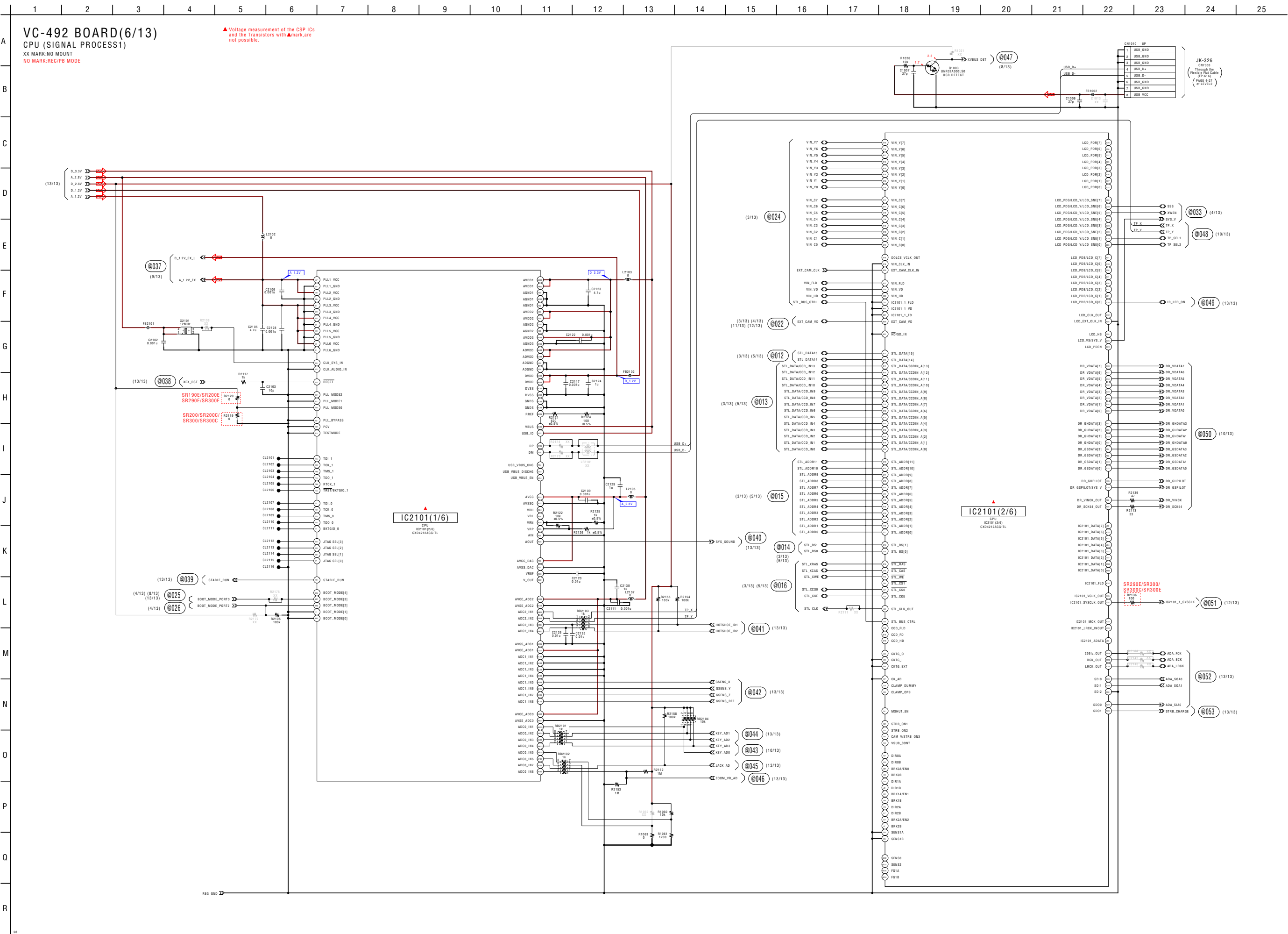
お願い
図面番号で部品を指定するときは基板名又はブロックを併せて指定して下さい。

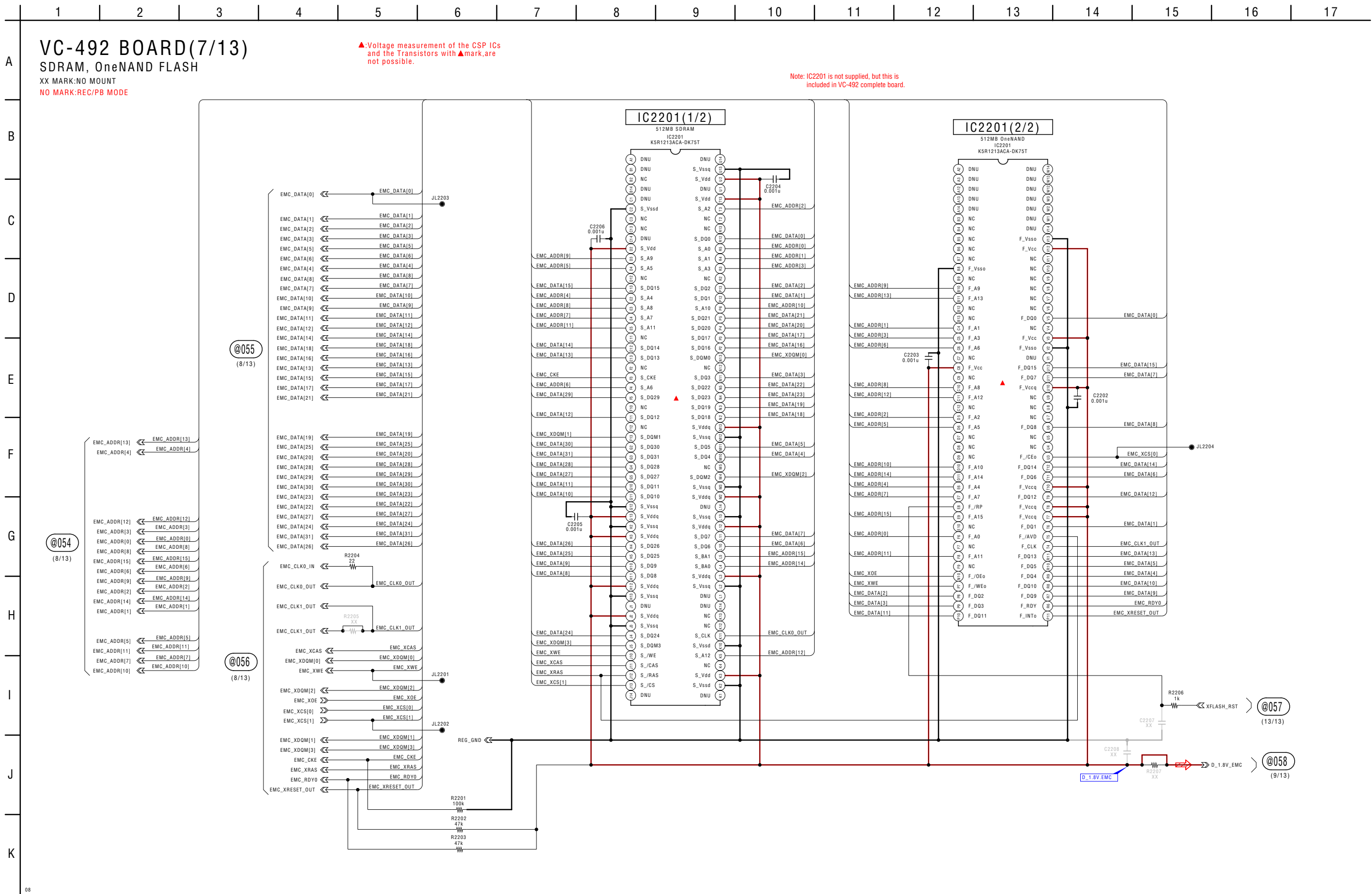






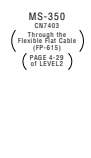


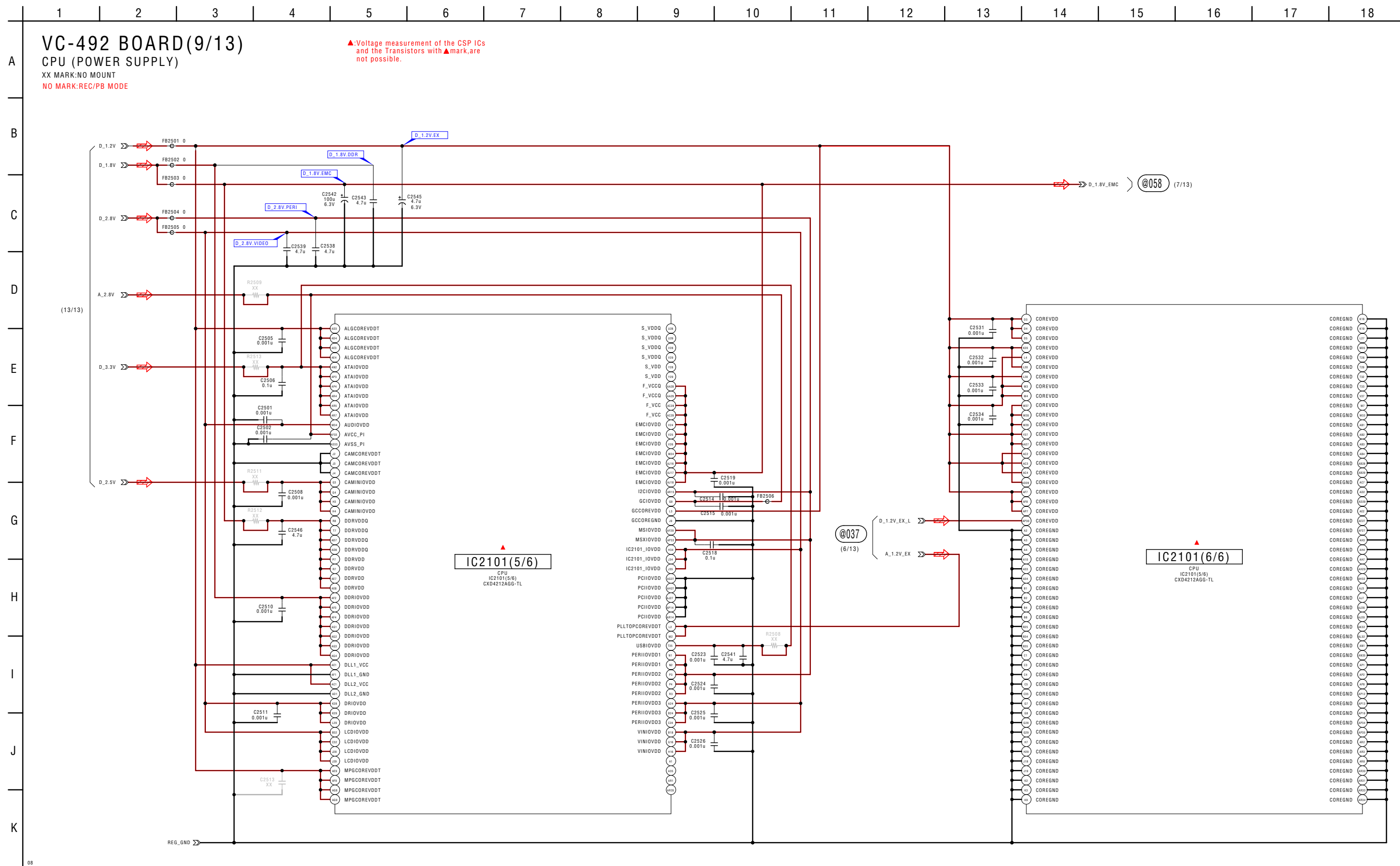




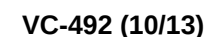
▲:Voltage measurement of the CSP IC and the Transistors with▲mark,are not possible.

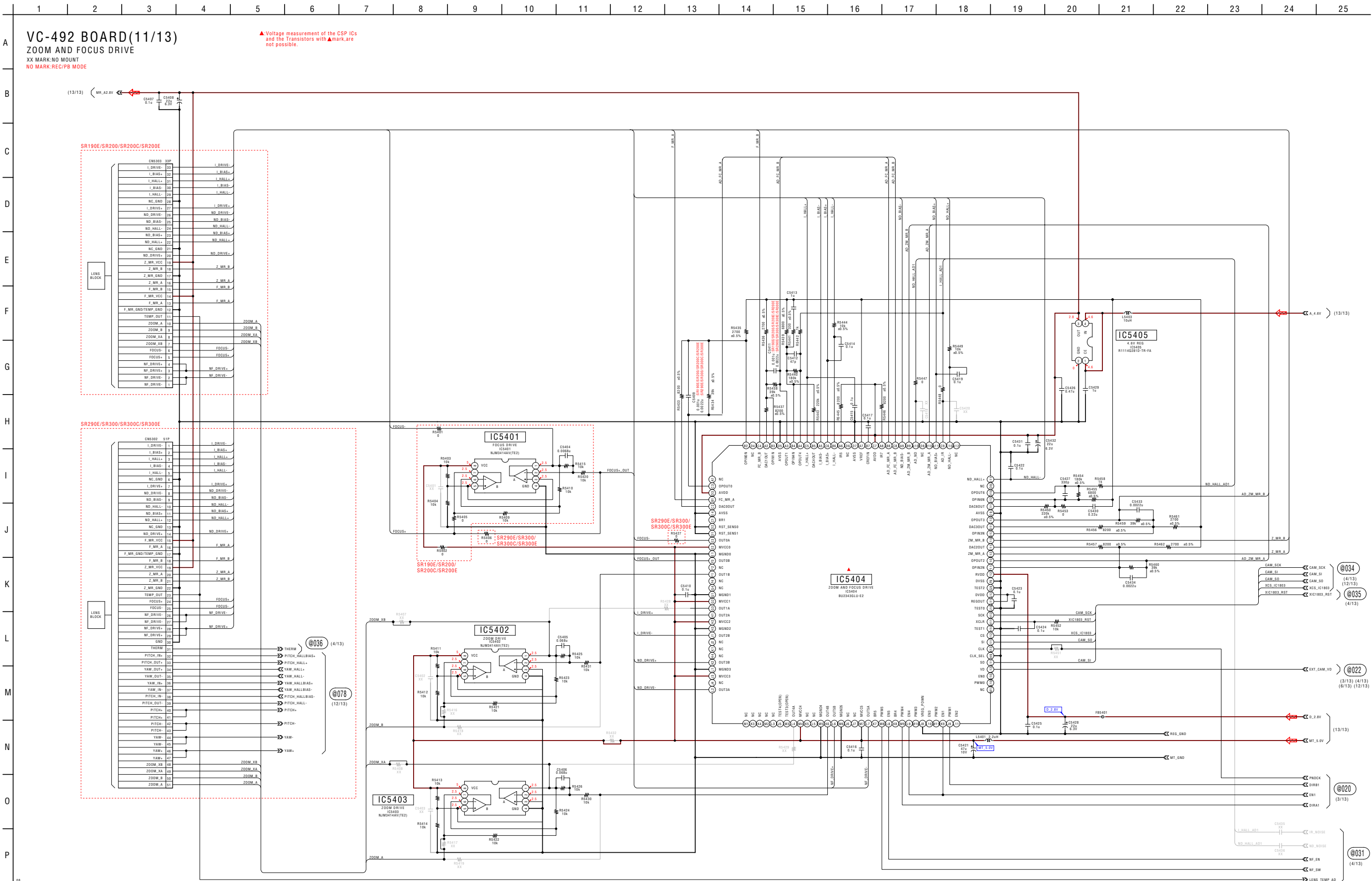
NO MARK:REC/PB MODE

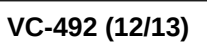


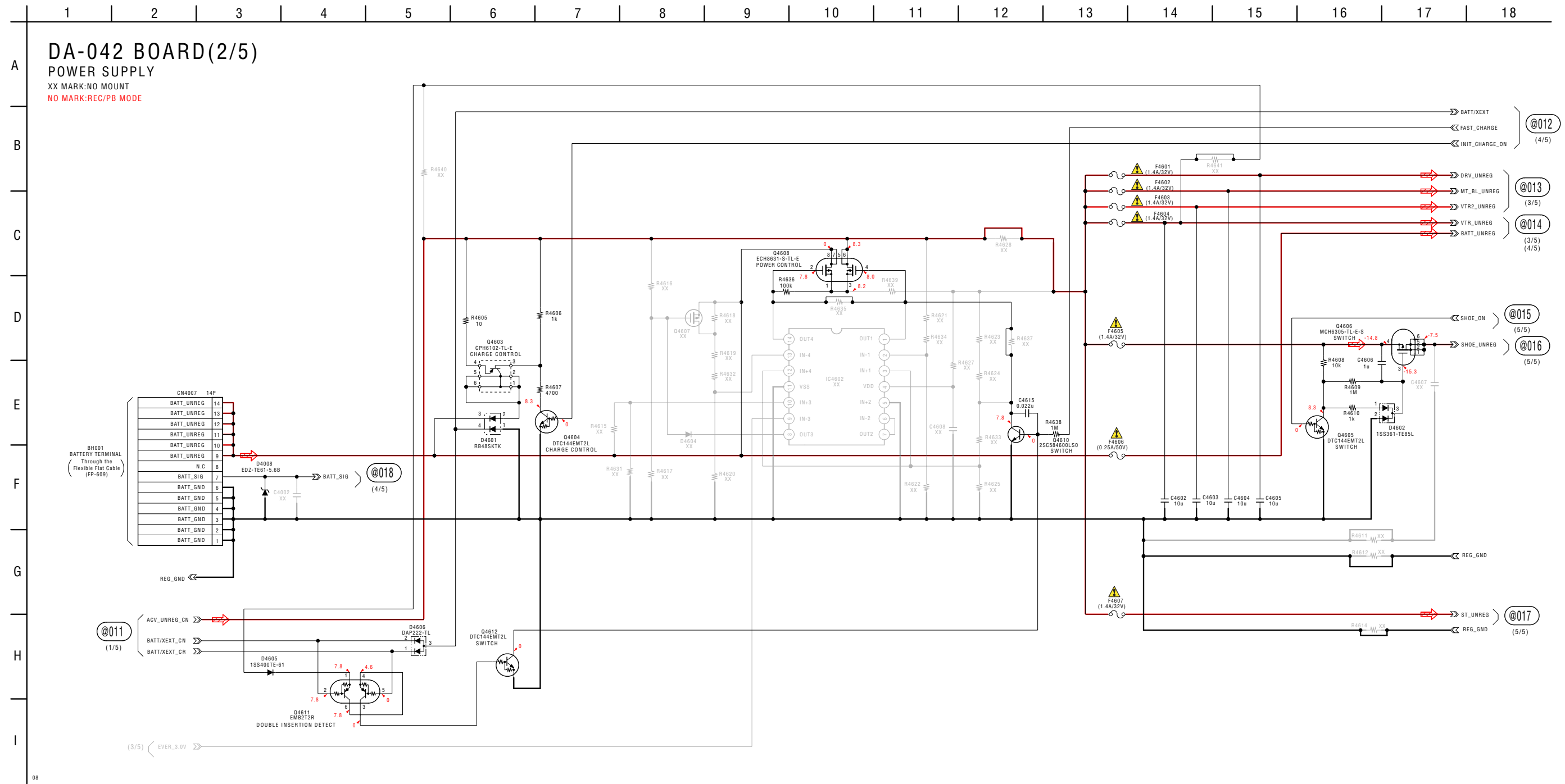


▲:Voltage measurement of the CSP ICs and the Transistors with ▲ mark,are not possible.









DA-042 (4/5)

4-3. PRINTED WIRING BOARDS

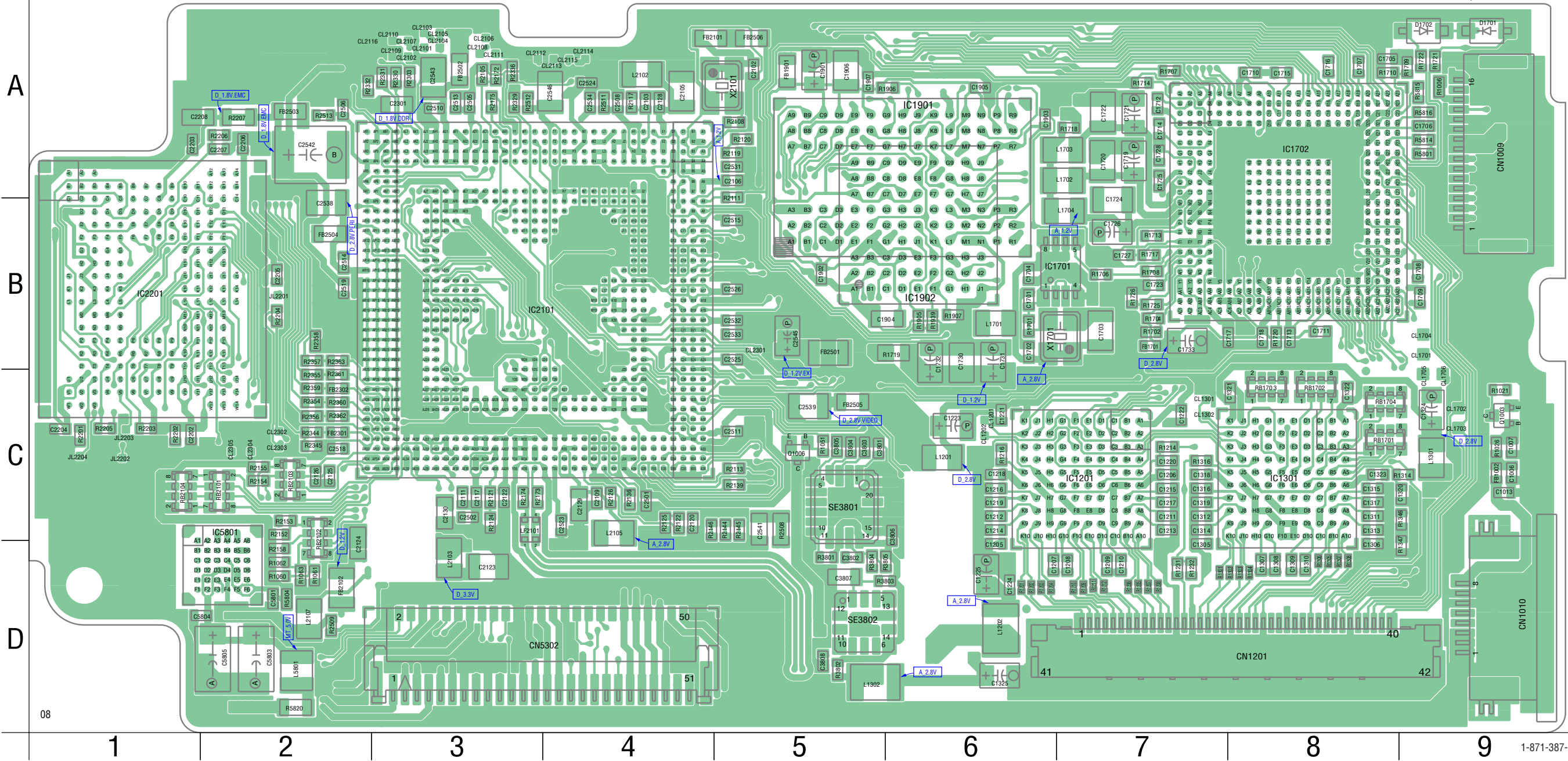
Link

• CM-076 BOARD : SR190E/SR200/SR200C/SR200E	• VC-492 BOARD (SIDE B)
• CM-077 BOARD : SR290E/SR300/SR300C/SR300E	• DA-042 BOARD (SIDE A)
• VC-492 BOARD (SIDE A)	• DA-042 BOARD (SIDE B)

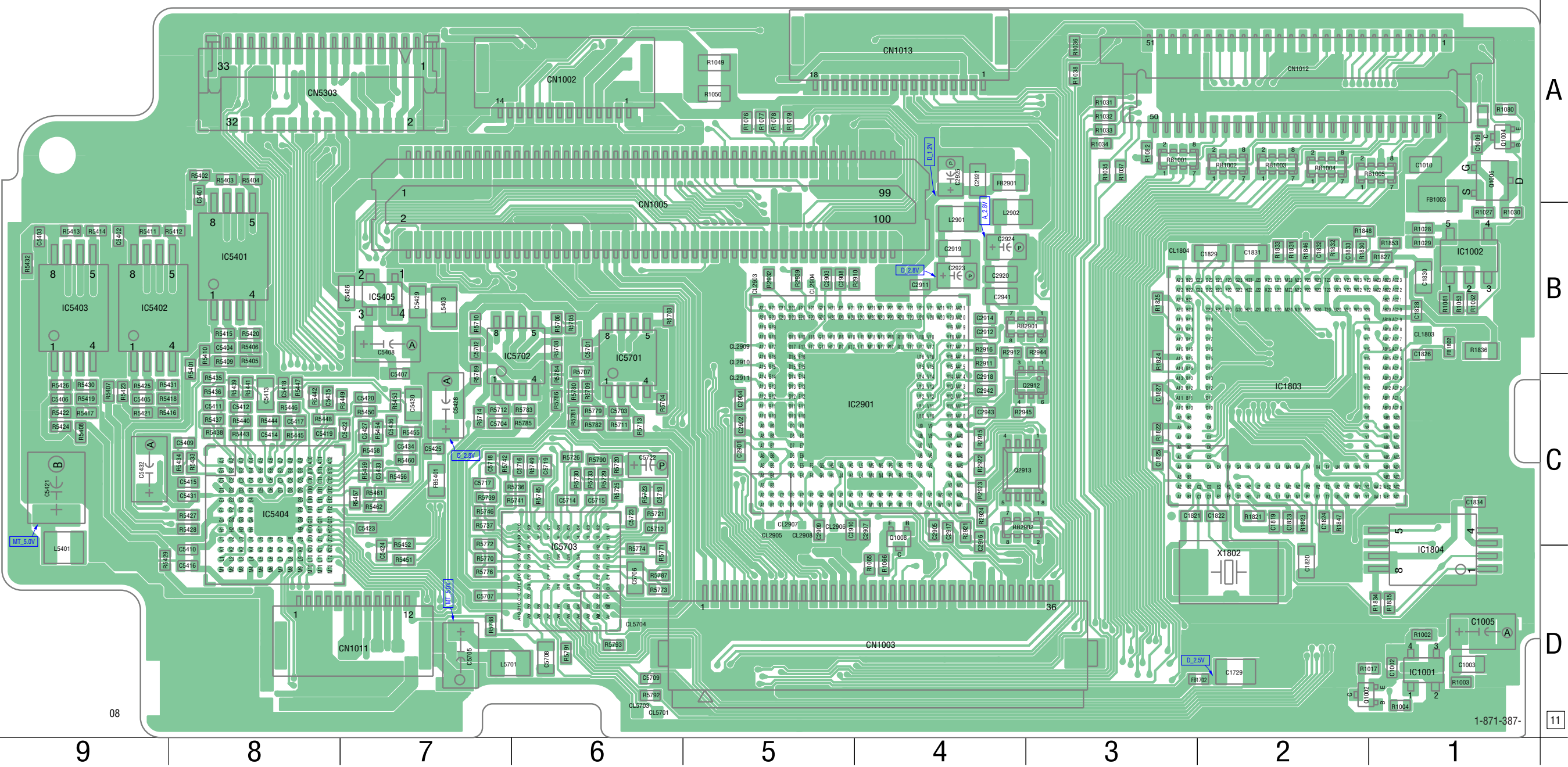
• COMMON NOTE FOR PRINTED WIRING BOARDS	• MOUNTED PARTS LOCATION
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VC-492 BOARD (SIDE A)

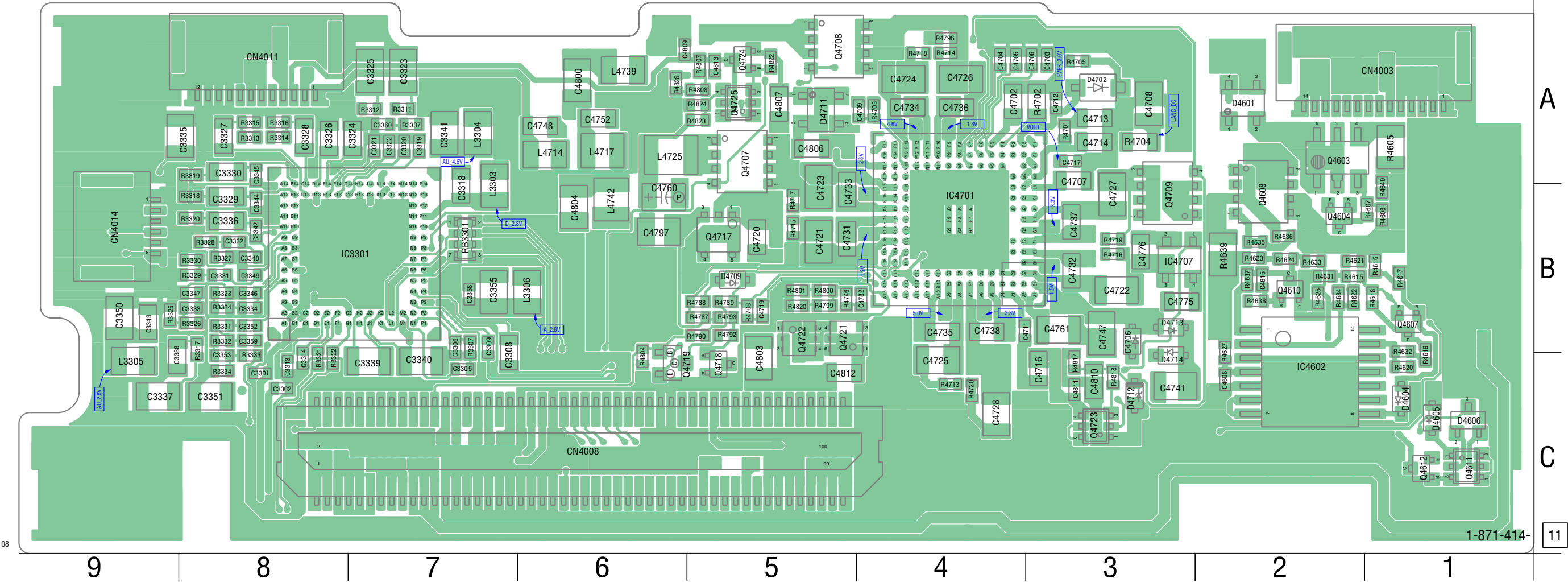
Note: IC2201 is not supplied, but this is included in VC-492 complete board.



VC-492 BOARD (SIDE B)



DA-042 BOARD (SIDE B)



4-3. PRINTED WIRING BOARDS

4-4. MOUNTED PARTS LOCATION

no mark : side A
* mark : side B

CM-076 BOARD

: SR190E/SR200/SR200C/SR200E

* C6802 B-3
* C6803 B-3
* C6805 B-3
* C6806 B-3
* C6808 B-3
* C6809 B-3
C6811 B-3
C6812 B-3
C6904 A-1
* C6905 B-1
* C6906 B-1
* C6907 A-1
* C6908 A-1
* C6909 A-1
* C6915 A-1
* C6916 B-1
* C6917 B-1
* C6919 B-1
* C6925 B-1
* C6930 B-1
C8201 A-3
C8202 A-3
C8203 A-3
C8204 A-3
C8205 A-3
C8206 A-3
C8207 A-3
C8208 A-3
C8209 A-3
C8210 A-3
C8211 B-3

* CN6801 B-3

FB8201 B-3
FB8202 A-3
FB8203 A-3
FB8204 A-3

* IC6801 B-3
* IC6802 B-3
* IC6803 B-3
IC6804 B-3
IC8201 A-3

L6907 B-3
* L6909 A-1
* L6911 B-1
* L6912 A-1
L6914 B-3
L8201 B-3
R6901 A-1
R6903 A-2
R8201 A-3
R8202 A-3
R8203 A-3
R8204 A-3

RB8201 A-3
SE8201 A-3
SE8202 A-3

CM-077 BOARD

: SR290E/SR300/SR300C/SR300E

* C6607 B-3
* C6608 B-2
* C6609 B-3
* C6610 B-1
* C6611 A-3
* C6612 B-1
* C6613 B-3
* C6614 B-1
* C6705 B-3
* C6706 B-2
* C6707 B-3
* C6708 B-2
* C6709 B-2
* C6717 B-3
* C6718 B-2
* C6719 A-3
* C6720 A-3
* C6724 A-2
* C6725 A-2
* C6729 A-2
* C6731 A-2
* C6732 A-2
* C6733 B-3
* C6736 B-3
* C6738 B-3
* C6739 B-3
* C6740 B-3
* C6743 B-3
C7201 A-1
C7202 B-1
C7203 B-1
C7204 B-1
C7205 B-1
C7206 B-1
C7207 B-1
C7208 B-1
C7209 B-1
C7210 B-1
C7211 A-1

* CN6601 B-1

FB7201 A-1
FB7202 B-1
FB7203 B-1
FB7204 B-1

* IC6603 A-3
* IC6604 B-2
* IC6605 B-3
* IC6606 B-1
IC7201 B-1

* L6702 B-3
* L6704 B-2
* L6705 A-2
* L6706 A-2
* L6707 A-3
L7201 A-1

* R6703 B-2
* R6709 B-3
R7201 A-1
R7202 B-1
R7203 B-1
R7204 B-1

RB7201 B-1

SE7201 B-1
SE7202 A-1

VC-492 BOARD

* C1002 D-1
* C1003 D-1
* C1005 D-1
C1006 C-9
C1007 C-9
* C1009 A-1
* C1010 A-1
C1013 C-9
C1206 C-7
C1207 D-6
C1208 D-7
C1209 D-7
C1210 D-7
C1211 C-7
C1212 C-6
C1213 C-7
C1214 C-6
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C1216 C-6
C1217 C-7
C1218 C-6
C1219 C-6
C1220 C-7
C1221 C-6
C1222 C-7
C1223 C-6
C1224 D-6
C1225 D-6
C1305 D-7
C1306 D-8
C1307 D-8
C1308 D-8
C1309 D-8
C1310 D-8
C1311 C-8
C1312 C-7
C1313 C-8
C1314 C-7
C1315 C-8
C1316 C-7
C1316 C-7
C1317 C-8
C1318 C-7
C1320 C-9
C1321 C-8
C1322 C-8
C1323 C-8
C1324 C-9
C1325 D-6
C1701 B-6
C1702 B-6
C1703 B-7
C1704 B-6
C1705 A-8
C1706 A-9
C1707 A-8
C1708 B-9
C1709 B-9
C1710 A-8
C1711 B-8
C1712 A-7
C1713 B-8
C1714 A-7
C1715 A-8
C1716 A-8
C1717 B-7
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C1718 B-8
C1719 A-7
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C1721 A-7
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C1724 A-7
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C1726 B-7
C1727 B-7
C1728 A-7
* C1729 D-2
C1730 B-6
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C1733 B-7
* C1819 C-2

* C1820 D-2
* C1821 C-3
* C1822 C-2
* C1823 C-2
* C1824 C-2
* C1825 C-3
* C1826 B-1
* C1827 C-3
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* C1829 B-2
* C1830 B-1
* C1831 B-2
* C1832 B-2
* C1833 B-2
* C1834 C-1
C1901 A-5
C1902 B-5
C1903 A-6
C1904 B-5
C1905 A-6
C1906 A-5
C1907 A-5
C2102 A-5
C2103 A-4
C2105 A-4
C2106 A-5
C2109 C-4
C2111 C-3
C2117 C-3
C2120 C-4
C2122 C-3
C2123 D-3
C2124 D-2
C2125 C-2
C2126 C-2
C2128 A-4
C2129 C-4
C2130 C-3
C2202 C-1
C2203 A-1
C2204 C-1
C2205 B-2
C2206 A-2
C2207 A-2
C2208 A-1
C2301 A-3
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C2502 C-3
C2505 A-3
C2506 A-2
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C2518 C-2
C2519 B-2
C2523 C-4
C2524 A-4
C2525 B-5
C2526 B-5
C2531 A-5
C2532 B-5
C2533 B-5
C2534 A-4
C2538 B-2
C2539 C-5
C2541 C-5
C2542 A-2
C2543 A-3
C2545 B-5
C2546 A-4
* C2901 C-5
* C2902 C-5
* C2903 B-5
* C2904 C-5
* C2905 C-4
* C2907 C-4
* C2908 B-5
* C2909 C-5
* C2910 C-5
* C2911 B-4
* C2912 B-4

* C2914 B-4
* C2916 C-4
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* C2918 C-4
* C2919 B-4
* C2920 B-4
* C2921 A-4
* C2923 B-4
* C2924 B-4
* C2925 A-4
* C2941 B-4
* C2942 C-4
* C2943 C-4
C3801 C-5
C3802 D-5
C3803 C-5
C3804 C-5
C3805 C-5
C3806 C-6
C3807 D-5
C3808 D-5
* C5401 A-8
* C5402 B-9
* C5403 B-9
* C5404 B-8
* C5405 C-9
* C5406 C-9
* C5407 B-7
* C5408 B-7
* C5409 C-8
* C5410 D-8
* C5411 C-8
* C5412 C-8
* C5413 C-8
* C5414 C-8
* C5415 C-8
* C5416 D-8
* C5417 C-8
* C5418 C-8
* C5419 C-8
* C5420 C-7
* C5421 C-9
* C5422 C-7
* C5423 C-7
* C5424 D-7
* C5425 C-7
* C5426 B-7
* C5427 C-7
* C5428 C-7
* C5429 B-7
* C5430 C-7
* C5431 C-8
* C5432 C-9
* C5433 C-7
* C5434 C-7
* C5435 C-8
* C5436 C-7
* C5701 B-6
* C5702 B-7
* C5703 C-6
* C5704 C-7
* C5705 D-7
* C5706 D-6
* C5707 D-7
* C5708 D-6
* C5709 D-6
* C5712 C-6
* C5713 C-6
* C5714 C-6
* C5715 C-6
* C5716 C-6
* C5717 C-7
* C5718 C-7
* C5719 C-6
* C5722 C-6
* C5723 C-6
C5801 D-2
C5803 D-2
C5804 D-2
C5805 D-2

CL1201 C-6
CL1202 C-6
CL1301 C-7

4-3. PRINTED WIRING BOARDS

no mark : side A

* mark : side B

CL1302 C-7	* IC1804 D-1	* R1079 A-5	R2139 C-5	* R5424 C-9	* R5790 C-6
CL1701 B-9	IC1901 A-6	* R1080 A-1	R2144 C-5	* R5425 C-9	* R5791 D-6
CL1702 C-9	IC1902 B-6	* R1081 B-1	R2145 C-5	* R5426 C-9	* R5792 D-6
CL1703 C-9	IC2201 B-1	* R1088 A-3	R2146 C-4	* R5427 C-8	* R5793 D-6
CL1704 B-9	IC2201 B-1	R1201 D-6	R2152 C-2	* R5428 C-8	R5801 A-9
CL1705 C-9	* IC2901 C-4	R1202 D-6	R2153 C-2	* R5429 D-9	R5804 D-2
CL1706 C-9	* IC5401 B-8	R1203 D-6	R2154 C-2	* R5430 C-9	R5811 A-9
* CL1803 B-1	* IC5402 B-9	R1204 D-6	R2155 C-2	* R5431 C-8	R5815 A-9
* CL1804 B-3	* IC5403 B-9	R1205 D-7	R2158 D-2	* R5432 B-9	R5816 A-9
CL2101 A-3	* IC5404 C-8	R1206 D-7	R2172 A-3	* R5433 C-8	R5820 D-2
CL2102 A-3	* IC5405 B-7	R1207 D-7	R2173 C-3	* R5434 C-8	
CL2103 A-3	* IC5701 B-6	R1208 D-7	R2174 C-3	* R5435 C-8	* RB1001 A-3
CL2104 A-3	* IC5702 B-6	R1209 D-7	R2175 A-3	* R5436 C-8	* RB1002 A-2
CL2105 A-3	* IC5703 D-6	R1210 D-7	R2201 C-1	* R5437 C-8	* RB1003 A-2
CL2106 A-3	IC5801 C-2	R1211 D-7	R2202 C-1	* R5438 C-8	* RB1004 A-2
CL2107 A-3		R1212 D-7	R2203 C-1	* R5439 C-8	* RB1005 A-1
CL2108 A-3	JL2201 B-2	R1214 C-7	R2204 B-2	* R5440 C-8	RB1701 C-8
CL2109 A-3	JL2202 C-1	R1216 C-6	R2205 C-1	* R5441 C-8	RB1702 C-8
CL2110 A-3	JL2203 C-1	R1231 D-7	R2206 A-2	* R5442 C-8	RB1703 C-8
CL2111 A-3	JL2204 C-1	R1232 D-7	R2207 A-2	* R5443 C-8	RB1704 C-8
CL2112 A-3		R1301 D-7	R2303 A-3	* R5444 C-8	RB2101 C-2
CL2113 A-4	L1201 C-6	R1302 D-8	R2329 A-3	* R5445 C-8	RB2102 C-2
CL2114 A-4	L1202 D-6	R1303 D-8	R2330 A-3	* R5446 C-8	RB2103 C-2
CL2115 A-4	L1301 C-9	R1304 D-8	R2331 A-3	* R5447 C-8	RB2104 C-1
CL2116 A-2	L1302 D-5	R1305 D-8	R2332 A-2	* R5448 C-8	* RB2901 B-3
CL2301 B-5	L1701 B-6	R1306 D-8	R2336 A-3	* R5449 C-7	* RB2902 C-3
CL2302 C-2	L1702 A-7	R1307 D-8	R2344 C-2	* R5450 C-7	
CL2303 C-2	L1703 A-7	R1308 D-8	R2345 C-2	* R5451 D-7	SE3801 C-5
CL2304 C-2	L1704 B-7	R1314 C-9	R2354 C-2	* R5452 C-7	SE3802 D-5
CL2305 C-2	L2102 A-4	R1319 C-7	R2355 C-2	* R5453 C-7	
* CL2903 B-5	L2103 D-3	R1346 C-9	R2356 C-2	* R5454 C-7	X1701 B-6
* CL2904 B-5	L2105 C-4	R1347 D-9	R2357 B-2	* R5455 C-7	* X1802 D-2
* CL2905 C-5	L2107 D-2	R1701 B-6	R2358 B-2	* R5456 C-7	X2101 A-5
* CL2906 C-5	* L2901 B-4	R1702 B-7	R2359 C-2	* R5457 C-7	
* CL2907 C-5	* L2902 B-4	R1704 B-7	R2360 C-2	* R5458 C-7	
* CL2908 C-5	* L5401 D-9	R1706 B-7	R2361 C-2	* R5459 C-7	
* CL2909 B-5	* L5403 B-7	R1707 A-7	R2362 C-2	* R5460 C-7	
* CL2910 B-5	* L5701 D-6	R1708 B-7	R2363 B-2	* R5461 C-7	
* CL2911 C-5	L5801 D-2	R1709 A-9	R2508 C-5	* R5462 C-7	
* CL5701 D-6		R1710 A-8	R2509 D-2	* R5703 B-6	
* CL5703 D-6	LF2101 C-3	R1713 B-7	R2511 A-4	* R5704 C-6	
* CL5704 D-6		R1714 A-7	R2512 A-3	* R5705 B-6	
		R1717 B-7	R2513 A-2	* R5706 B-6	
* CN1002 A-6	* Q1002 D-1	R1718 A-7	* R2910 B-4	* R5707 B-6	
* CN1003 D-4	Q1003 C-9	R1719 B-6	* R2911 B-4	* R5708 B-6	
* CN1005 B-6	* Q1004 A-1	R1720 B-8	* R2912 B-4	* R5709 C-6	
CN1009 A-9	* Q1005 A-1	R1721 A-9	* R2915 C-4	* R5710 B-7	
CN1010 D-9	Q1006 C-5	R1722 A-9	* R2916 B-4	* R5711 C-6	
* CN1011 D-7	* Q1008 C-4	R1725 B-7	* R2921 C-4	* R5712 C-7	
* CN1012 A-2	* Q2912 C-3	R1726 B-7	* R2922 C-4	* R5713 C-6	
* CN1013 A-4	* Q2913 C-3	* R1821 C-2	* R2923 C-4	* R5714 C-7	
CN1201 D-8	* R1002 D-1	* R1822 C-3	* R2924 C-4	* R5720 C-6	
CN5302 D-3	* R1003 D-1	* R1823 C-2	* R2932 B-5	* R5721 C-6	
* CN5303 A-8	* R1004 D-1	* R1824 B-3	* R2939 B-5	* R5723 C-6	
	R1006 A-9	* R1825 B-3	* R2944 B-3	* R5725 C-6	
D1701 A-9	* R1017 D-1	* R1827 B-1	* R2945 C-3	* R5726 C-6	
D1702 A-9	R1021 C-9	* R1830 B-2	R3801 D-5	* R5729 C-6	
	R1026 C-9	* R1831 B-2	R3802 D-5	* R5730 C-6	
FB1002 C-9	* R1027 B-1	* R1832 B-2	R3803 D-5	* R5733 C-6	
* FB1003 A-1	* R1028 B-1	* R1833 B-2	R3804 D-5	* R5736 C-6	
FB1701 B-7	* R1029 B-1	* R1834 D-1	R3805 D-5	* R5737 C-7	
* FB1702 D-2	* R1030 B-1	* R1835 D-1	* R5401 B-8	* R5739 C-7	
* FB1802 B-1	* R1031 A-3	* R1836 B-1	* R5402 A-8	* R5741 C-6	
FB1901 A-5	* R1032 A-3	* R1846 B-2	* R5403 A-8	* R5742 C-7	
FB2101 A-4	* R1032 A-3	* R1847 C-2	* R5404 A-8	* R5745 C-6	
FB2102 D-2	* R1033 A-3	* R1848 B-2	* R5405 B-8	* R5746 C-7	
FB2301 C-2	* R1034 A-3	* R1853 B-1	* R5406 B-8	* R5749 C-6	
FB2302 C-2	* R1035 A-3	R1905 B-6	* R5407 C-9	* R5770 D-7	
FB2501 B-5	* R1036 A-3	R1906 A-5	* R5408 C-9	* R5771 D-6	
FB2502 A-3	* R1037 A-3	R1907 B-6	* R5409 B-8	* R5772 C-7	
FB2503 A-2	* R1049 A-5	R1939 B-6	* R5410 B-8	* R5773 D-6	
FB2504 B-2	* R1050 A-5	R2105 A-3	* R5411 B-9	* R5774 D-6	
FB2505 C-5	R1051 C-5	R2108 A-5	* R5412 B-8	* R5776 D-7	
FB2506 A-5	* R1052 B-1	R2111 A-5	* R5413 B-9	* R5779 C-6	
* FB2901 A-4	* R1053 B-1	R2113 C-5	* R5414 B-9	* R5780 C-6	
* FB5401 C-7	R1060 D-2	R2117 A-4	* R5415 B-8	* R5781 C-6	
	R1061 D-2	R2119 A-5	* R5416 C-8	* R5782 C-6	
* IC1001 D-1	R1062 D-2	R2120 A-5	* R5417 C-9	* R5783 C-6	
* IC1002 B-1	R1063 D-2	R2121 C-3	* R5418 C-8	* R5784 B-6	
IC1201 C-7	* R1065 D-4	R2122 C-4	* R5419 C-9	* R5785 C-6	
IC1301 C-8	* R1066 D-4	R2124 C-3	* R5420 B-8	* R5786 C-6	
IC1701 B-7	* R1076 A-5	R2125 C-4	* R5421 C-9	* R5787 D-6	
IC1702 A-8	* R1077 A-5	R2126 C-4	* R5422 C-9	* R5788 D-7	
* IC1803 C-2	* R1078 A-5	R2136 C-4	* R5423 C-9	* R5789 B-7	

4-3. PRINTED WIRING BOARDS

no mark : side A
* mark : side B

DA-042 BOARD

* C3301	C-8	* C4727	B-3	D4001	B-7	* Q4718	C-5	* R4704	A-3
* C3302	C-8	* C4728	C-4	D4002	A-6	* Q4719	C-6	* R4705	A-3
* C3305	C-7	* C4731	B-5	D4003	A-6	* Q4721	B-5	* R4708	B-5
* C3306	B-7	* C4732	B-3	D4004	B-6	* Q4722	B-5	* R4713	C-4
* C3308	B-7	* C4733	B-5	D4005	A-2	* Q4723	C-3	* R4714	A-4
* C3309	B-7	* C4734	A-4	D4006	B-1	* Q4724	A-5	* R4715	B-5
C3311	C-8	* C4735	B-4	D4008	A-4	* Q4725	A-5	* R4716	B-3
C3312	C-8	* C4736	A-4	* D4601	A-2	Q5101	C-7	* R4717	B-5
* C3313	C-8	* C4737	B-3	D4602	B-1	Q5102	C-8	* R4718	A-4
* C3314	C-8	* C4738	B-4	* D4604	C-1			* R4719	B-3
* C3318	B-7	* C4741	C-3	* D4605	C-1	* R3307	B-7	* R4720	C-4
* C3319	A-7	* C4743	C-5	* D4606	C-1	* R3311	A-7	* R4746	B-5
* C3320	A-7	C4745	A-5	* D4702	A-3	* R3312	A-7	R4751	A-5
* C3321	A-7	C4746	C-6	* D4706	B-3	* R3313	A-8	R4752	A-5
* C3322	A-7	* C4747	B-3	* D4709	B-5	* R3314	A-8	* R4787	B-5
* C3323	A-7	* C4748	A-6	* D4711	A-5	* R3315	A-8	* R4788	B-5
* C3324	A-7	C4750	C-3	* D4712	C-3	* R3316	A-8	* R4789	B-5
* C3325	A-7	* C4752	A-6	* D4713	B-3	* R3317	B-8	* R4790	B-5
* C3326	A-8	C4754	C-4	* D4714	C-3	* R3318	B-8	* R4792	B-5
* C3327	A-8	C4755	B-6	D5101	C-8	* R3319	A-8	* R4793	B-5
* C3328	A-8	C4757	C-5			* R3320	B-8	* R4796	A-4
* C3329	B-8	C4758	C-6	F4601	B-2	* R3321	C-8	* R4799	B-5
* C3330	A-8	* C4760	B-6	F4602	B-2	* R3322	C-8	* R4800	B-5
* C3331	B-8	* C4761	B-3	F4603	B-2	* R3323	B-8	* R4801	B-5
* C3332	B-8	C4766	C-5	F4604	B-2	* R3324	B-8	* R4804	C-6
* C3333	B-8	* C4775	B-3	F4605	B-2	* R3325	B-9	* R4807	A-5
* C3334	B-8	* C4776	B-3	F4606	A-2	* R3326	B-8	* R4808	A-5
* C3335	A-8	* C4782	B-4	F4607	A-2	* R3327	B-8	* R4817	C-3
* C3336	B-8	C4789	C-6			* R3328	B-8	* R4818	C-3
* C3337	C-9	* C4797	B-6	* IC3301	B-7	* R3329	B-8	* R4820	B-5
* C3338	C-9	C4799	B-6	* IC4602	C-2	* R3330	B-8	R4821	C-4
* C3339	C-7	* C4800	A-6	* IC4701	B-4	* R3331	B-8	* R4822	A-5
* C3340	C-7	C4801	A-6	* IC4707	B-3	* R3332	B-8	* R4823	A-5
* C3341	A-7	* C4803	C-5	IC5101	B-8	* R3333	C-8	* R4824	A-5
* C3342	B-8	* C4804	B-6	IC5103	C-7	* R3334	C-8	* R4826	A-6
* C3343	B-9	* C4806	A-5	IC5104	C-7	R3335	C-8	R5101	B-7
* C3344	B-8	* C4807	A-5			R3336	C-8	R5102	B-8
* C3345	A-8	* C4809	A-6	L3302	C-8	* R3337	A-7	R5109	B-8
* C3346	B-8	* C4810	C-3	* L3303	B-7	R3338	C-8	R5117	B-8
* C3347	B-8	* C4811	C-3	* L3304	A-7	R4005	A-6	R5119	A-7
* C3348	B-8	* C4812	C-5	* L3305	C-9	R4006	A-7	R5120	A-7
* C3349	B-8	* C4813	A-5	* L3306	B-6	R4007	A-7	R5122	A-8
* C3350	B-9	C5101	B-7	L4701	B-5	R4008	A-7	R5124	A-8
* C3351	C-8	C5103	B-7	L4702	B-3	R4009	A-2	R5126	A-8
* C3352	B-8	C5107	A-7	L4703	A-5	R4010	A-1	R5133	B-8
* C3353	C-8	C5109	A-8	L4704	A-4	R4011	A-1	R5137	C-7
C3354	C-8	C5110	A-8	L4705	C-4	R4021	A-2	R5138	C-7
* C3355	B-7	C5111	B-8	L4706	A-4	R4022	A-2	R5139	C-7
* C3358	B-7	C5113	C-7	L4707	B-3	* R4605	A-1	R5149	B-8
* C3359	B-8	C5114	C-7	L4708	C-4	* R4606	B-1	R5150	B-8
* C3360	A-7	C5115	B-8	L4710	B-5	* R4607	B-1	R5151	B-7
C4002	A-3	C5117	B-8	L4712	A-5	R4608	B-2	R5153	B-7
C4003	A-6	C5118	B-8	L4713	C-6	R4609	B-2	R5154	C-8
C4004	A-7	C5119	B-7	* L4714	A-6	R4610	B-2	R5155	C-7
C4602	A-3	C5120	C-8	* L4717	A-6	R4611	B-3	R5157	C-8
C4603	B-3	C5121	A-8	L4719	C-5	R4612	C-3	R5158	C-8
C4604	B-3			L4720	B-6	R4614	C-3	R5159	B-7
C4605	B-3	CL5105	B-8	L4722	C-5	* R4615	B-2	R5160	B-7
C4606	B-2	CL5107	B-8	L4723	C-6	* R4616	B-1	R5161	C-8
C4607	B-1	CL5108	B-8	* L4725	A-6	* R4617	B-1	R5162	C-7
* C4608	C-2	CL5119	B-8	L4726	C-4	* R4618	B-1	R5163	C-7
* C4615	B-2	CL5140	C-8	L4736	C-6	* R4619	B-1	R5164	C-8
* C4702	A-4	CL5145	A-8	L4737	B-6	* R4620	C-1	R5165	B-8
* C4703	A-3	CL5152	B-8	L4738	B-6	* R4621	B-2	R5166	C-8
* C4704	A-4	CL5153	C-8	* L4739	A-6	* R4622	B-2	R5167	C-8
* C4705	A-4	CL5154	B-8	L4740	A-6	* R4623	B-2	R5168	B-8
* C4706	A-3	CL5155	C-7	L4741	B-5	* R4624	B-2	R5169	C-8
* C4707	A-3	CL5156	C-7	* L4742	B-6	* R4625	B-2	R5172	A-8
* C4708	A-3	CL5157	C-7			* R4627	B-2	R5173	C-7
* C4709	A-4	CL5158	C-7	Q3301	C-8	R4628	B-2	R5174	C-1
* C4711	B-3	CL5159	B-8	* Q4603	A-2	* R4631	B-2	R5175	B-7
* C4712	A-3	CL5161	B-8	* Q4604	B-2	* R4632	B-1	R5176	B-7
* C4713	A-3	CL5162	B-8	Q4605	B-2	* R4633	B-2		
* C4714	A-3	CL5163	B-8	Q4606	B-2	* R4634	B-2	* RB3301	B-7
* C4716	C-3			* Q4607	B-1	* R4635	B-2	RB5101	C-8
* C4717	A-3	CN4001	A-6	* Q4608	B-2	* R4636	B-2		
* C4719	B-5	* CN4003	A-1	* Q4610	B-2	* R4637	B-2	VDR402	B-1
* C4720	B-5	CN4005	C-2	* Q4611	C-1	* R4638	B-2	VDR403	B-1
* C4721	B-5	CN4007	A-3	* Q4612	C-1	* R4639	B-2		
* C4722	B-3	* CN4008	C-6	* Q4707	A-5	* R4640	A-1	X5101	A-8
* C4723	A-5	* CN4011	A-8	* Q4708	A-5	R4641	A-2		
* C4724	A-4	CN4013	A-1	* Q4709	B-3	* R4701	A-3		
* C4725	C-4	* CN4014	B-9	Q4710	A-5	* R4702	A-3		
* C4726	A-4			* Q4717	B-5	* R4703	A-4		

5. REPAIR PARTS LIST

(ENGLISH)

NOTE:

- -XX, -X mean standardized parts, so they may have some differences from the original one.
- Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- CAPACITORS:
uF: μ F
- COILS
uH: μ H
- RESISTORS
All resistors are in ohms.
METAL: metal-film resistor
METAL OXIDE: Metal Oxide-film resistor
F: nonflammable
- SEMICONDUCTORS
In each case, u: μ , for example:
uA...: μ A..., uPA..., μ PA...,
uPB..., μ PB..., uPC..., μ PC...,
uPD..., μ PD...

When indicating parts by reference number, please include the board name.

The components identified by mark $\triangle$ or dotted line with mark $\triangle$ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque $\triangle$ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

(JAPANESE)

【使用上の注意】

- ここに記載されている部品は、補修用部品であるため、回路図及びセットに付いている部品と異なる場合があります。
- -XX, -Xは標準化部品のため、セットに付いている部品と異なる場合があります。
- *印の部品は常備在庫しておりません。
- コンデンサの単位でuFは μ Fを示します。
- 抵抗の単位 Ω は省略してあります。
金 被：金属被膜抵抗。
サンキン：酸化金属被膜抵抗。
- インダクタの単位でuHは μ Hを示します。
- 半導体の名称でuA..., uPA..., uPB..., uPC..., uPD...等はそれぞれ μ A..., μ PA..., μ PB..., μ PC..., μ PD...を示します。

お願い
図面番号で部品を指定するときは基板名又はブロックを併せて指定してください。

$\triangle$ 印の部品、または $\triangle$ 印付の点線で囲まれた部品は、安全性を維持するために、重要な部品です。従って交換時は、必ず指定の部品を使用してください。

- Abbreviation
AR : Argentine model
AUS : Australian model
BR : Brazilian model
CH : Chinese model
CND : Canadian model
EE : East European model
HK : Hong Kong model
J : Japanese model
JE : Tourist model
KR : Korea model
NE : North European model

5-2. ELECTRICAL PARTS LIST

Ref. No.	Part No.	Description
	A-1231-932-A	CM-076 BOARD, COMPLETE (SR190E/SR200/SR200C/SR200E) ***** (IC6901 is not supplied, but this is included in CMOS block assy.)
< CAPACITOR >		
C6802	1-100-415-11	CERAMIC CHIP 0.47uF 10% 6.3V
C6803	1-165-908-11	CERAMIC CHIP 1uF 10% 10V
C6805	1-100-415-11	CERAMIC CHIP 0.47uF 10% 6.3V
C6806	1-165-908-11	CERAMIC CHIP 1uF 10% 10V
C6808	1-100-415-11	CERAMIC CHIP 0.47uF 10% 6.3V
C6809	1-165-908-11	CERAMIC CHIP 1uF 10% 10V
C6811	1-165-908-11	CERAMIC CHIP 1uF 10% 10V
C6812	1-165-908-11	CERAMIC CHIP 1uF 10% 10V
C6904	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C6905	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C6906	1-117-919-11	TANTAL. CHIP 10uF 20% 6.3V
C6907	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C6908	1-117-919-11	TANTAL. CHIP 10uF 20% 6.3V
C6909	1-165-908-11	CERAMIC CHIP 1uF 10% 10V
C6915	1-117-919-11	TANTAL. CHIP 10uF 20% 6.3V
C6916	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C6917	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C6919	1-117-919-11	TANTAL. CHIP 10uF 20% 6.3V
C6925	1-117-919-11	TANTAL. CHIP 10uF 20% 6.3V
C6928	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C6930	1-117-919-11	TANTAL. CHIP 10uF 20% 6.3V
C6931	1-117-919-11	TANTAL. CHIP 10uF 20% 6.3V
C8201	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C8202	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C8203	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C8204	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C8205	1-119-923-11	CERAMIC CHIP 0.047uF 10% 10V
C8206	1-119-923-11	CERAMIC CHIP 0.047uF 10% 10V
C8207	1-119-923-11	CERAMIC CHIP 0.047uF 10% 10V
C8208	1-119-923-11	CERAMIC CHIP 0.047uF 10% 10V
C8209	1-100-611-91	CERAMIC CHIP 22uF 20% 6.3V
C8210	1-100-611-91	CERAMIC CHIP 22uF 20% 6.3V
C8211	1-127-760-11	CERAMIC CHIP 4.7uF 10% 6.3V
< CONNECTOR >		
* CN6801	1-820-561-11	CONNECTOR, COAXIAL (RECEPTACLE)
< FERRITE BEAD >		
FB8201	1-400-833-21	SMD EMI FERRITE
FB8202	1-400-833-21	SMD EMI FERRITE
FB8203	1-400-833-21	SMD EMI FERRITE
FB8204	1-400-833-21	SMD EMI FERRITE
< IC >		
IC6801	6-703-977-01	IC R1114Q331D-TR-FA
* IC6802	6-708-444-01	IC R1114Q281D-TR-FA
IC6803	6-703-977-01	IC R1114Q331D-TR-FA
* IC6804	6-708-457-01	IC R1114Q151D-TR-FA
IC6901	A-1172-742-A	CMOS BLOCK ASSY (CMOS IMAGER) (Note)
IC8201	6-707-333-01	IC NJM3230SE7

Note: Be sure to read "Precautions for Replacement of Imager" on page 4-3 when changing the imager.

Ref. No.	Part No.	Description
		< COIL >
L6907	1-216-295-91	SHORT CHIP 0
L6909	1-216-295-91	SHORT CHIP 0
L6911	1-216-295-91	SHORT CHIP 0
L6912	1-216-295-91	SHORT CHIP 0
L6914	1-216-295-91	SHORT CHIP 0
L8201	1-400-588-11	INDUCTOR 10uH
< RESISTOR >		
R6901	1-218-990-11	SHORT CHIP 0
R6903	1-218-933-11	RES-CHIP 22 5% 1/16W
R8201	1-218-965-11	RES-CHIP 10K 5% 1/16W
R8202	1-218-989-11	RES-CHIP 1M 5% 1/16W
R8203	1-218-989-11	RES-CHIP 1M 5% 1/16W
R8204	1-218-965-11	RES-CHIP 10K 5% 1/16W
< COMPOSITION CIRCUIT BLOCK >		
RB8201	1-234-379-21	RES, NETWORK 22K (1005X4)
< SENSOR >		
* SE8201	1-479-022-61	SENSOR, ANGULAR VELOCITY (YAW SENSOR)
* SE8202	1-479-022-51	SENSOR, ANGULAR VELOCITY (PITCH SENSOR)

	A-1237-309-A	CM-077 BOARD, COMPLETE (SERVICE) (SR290E/SR300/SR300C/SR300E) ***** (IC6701 is not supplied, but this is included in CMOS block assy.)
< CAPACITOR >		
C6607	1-100-415-11	CERAMIC CHIP 0.47uF 10% 6.3V
C6608	1-100-415-11	CERAMIC CHIP 0.47uF 10% 6.3V
C6609	1-100-415-11	CERAMIC CHIP 0.47uF 10% 6.3V
C6610	1-165-908-11	CERAMIC CHIP 1uF 10% 10V
C6611	1-165-908-11	CERAMIC CHIP 1uF 10% 10V
C6612	1-165-908-11	CERAMIC CHIP 1uF 10% 10V
C6613	1-165-908-11	CERAMIC CHIP 1uF 10% 10V
C6614	1-165-908-11	CERAMIC CHIP 1uF 10% 10V
C6705	1-117-919-11	TANTAL. CHIP 10uF 20% 6.3V
C6706	1-117-919-11	TANTAL. CHIP 10uF 20% 6.3V
C6707	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C6708	1-125-889-11	CERAMIC CHIP 2.2uF 10% 10V
C6709	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C6717	1-117-919-11	TANTAL. CHIP 10uF 20% 6.3V
C6718	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C6719	1-117-919-11	TANTAL. CHIP 10uF 20% 6.3V
C6720	1-164-937-11	CERAMIC CHIP 0.001uF 10% 50V
C6724	1-117-919-11	TANTAL. CHIP 10uF 20% 6.3V
C6725	1-164-937-11	CERAMIC CHIP 0.001uF 10% 50V
C6729	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C6731	1-117-919-11	TANTAL. CHIP 10uF 20% 6.3V
C6732	1-117-919-11	TANTAL. CHIP 10uF 20% 6.3V
C6733	1-117-919-11	TANTAL. CHIP 10uF 20% 6.3V
C6736	1-117-919-11	TANTAL. CHIP 10uF 20% 6.3V
C6738	1-117-919-11	TANTAL. CHIP 10uF 20% 6.3V

Note: イメージャの交換時は4-4ページの「イメージャ交換時の注意」を必ずお読みください。

Ref. No.	Part No.	Description			
C6739	1-117-919-11	TANTAL. CHIP	10uF	20%	6.3V
C6740	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C6743	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C7201	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C7202	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C7203	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C7204	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C7205	1-119-923-11	CERAMIC CHIP	0.047uF	10%	10V
C7206	1-119-923-11	CERAMIC CHIP	0.047uF	10%	10V
C7207	1-119-923-11	CERAMIC CHIP	0.047uF	10%	10V
C7208	1-119-923-11	CERAMIC CHIP	0.047uF	10%	10V
C7209	1-100-611-91	CERAMIC CHIP	22uF	20%	6.3V
C7210	1-100-611-91	CERAMIC CHIP	22uF	20%	6.3V
C7211	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V
< CONNECTOR >					
* CN6601	1-820-560-11	CONNECTOR, COAXIAL (RECEPTACLE)			
< FERRITE BEAD >					
FB7201	1-400-833-21	SMD EMI FERRITE			
FB7202	1-400-833-21	SMD EMI FERRITE			
FB7203	1-400-833-21	SMD EMI FERRITE			
FB7204	1-400-833-21	SMD EMI FERRITE			
< IC >					
IC6603	6-703-977-01	IC R1114Q331D-TR-FA			
* IC6604	6-708-444-01	IC R1114Q281D-TR-FA			
IC6605	6-703-977-01	IC R1114Q331D-TR-FA			
IC6606	6-703-976-01	IC R1114Q181D-TR-FA			
IC6701	A-1209-688-A	CMOS BLOCK ASSY (CMOS IMAGER) (Note)			
IC7201	6-707-333-01	IC NJM3230SE7			
< COIL >					
L6702	1-216-295-91	SHORT CHIP	0		
L6704	1-216-295-91	SHORT CHIP	0		
L6705	1-216-295-91	SHORT CHIP	0		
L6706	1-216-295-91	SHORT CHIP	0		
L6707	1-216-295-91	SHORT CHIP	0		
L7201	1-400-588-11	INDUCTOR	10uH		
< RESISTOR >					
R6703	1-218-990-11	SHORT CHIP	0		
R6709	1-218-929-11	RES-CHIP	10	5%	1/16W
R7201	1-218-965-11	RES-CHIP	10K	5%	1/16W
R7202	1-218-989-11	RES-CHIP	1M	5%	1/16W
R7203	1-218-989-11	RES-CHIP	1M	5%	1/16W
R7204	1-218-965-11	RES-CHIP	10K	5%	1/16W
< COMPOSITION CIRCUIT BLOCK >					
RB7201	1-234-379-21	RES, NETWORK	22K (1005X4)		
< SENSOR >					
* SE7201	1-479-022-61	SENSOR, ANGULAR VELOCITY (YAW SENSOR)			
* SE7202	1-479-022-51	SENSOR, ANGULAR VELOCITY (PITCH SENSOR)			

Note: Be sure to read "Precautions for Replacement of Imager" on page 4-3 when changing the imager.

Ref. No.	Part No.	Description			
	A-1244-916-A	DA-042 BOARD, COMPLETE			

< CAPACITOR >					
C3301	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3302	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3305	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C3306	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C3308	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C3309	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C3311	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C3312	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3313	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3314	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3318	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C3319	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3320	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3321	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3322	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3323	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V
C3324	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C3325	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V
C3326	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C3327	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C3328	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C3329	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C3330	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C3331	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3332	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3333	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3334	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3335	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V
C3336	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C3337	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V
C3338	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C3339	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V
C3340	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C3341	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V
C3342	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C3344	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C3345	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C3346	1-164-938-11	CERAMIC CHIP	0.0015uF	10%	50V
C3347	1-164-938-11	CERAMIC CHIP	0.0015uF	10%	50V
C3348	1-164-938-11	CERAMIC CHIP	0.0015uF	10%	50V
C3349	1-164-938-11	CERAMIC CHIP	0.0015uF	10%	50V
C3350	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C3351	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V
C3352	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3353	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3354	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V
C3355	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V
C3359	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C4004	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C4602	1-165-875-11	CERAMIC CHIP	10uF	10%	10V
C4603	1-165-875-11	CERAMIC CHIP	10uF	10%	10V
C4604	1-165-875-11	CERAMIC CHIP	10uF	10%	10V
C4605	1-165-875-11	CERAMIC CHIP	10uF	10%	10V

Note: イメージャの交換時は4-4ページの「イメージャ交換時の注意」を必ずお読みください。

Ref. No.	Part No.	Description					Ref. No.	Part No.	Description			
C4606	1-112-298-91	CERAMIC CHIP	1uF	10%	16V		C4803	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C4615	1-107-819-11	CERAMIC CHIP	0.022uF	10%	16V		C4804	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C4702	1-165-908-11	CERAMIC CHIP	1uF	10%	10V		C4806	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C4703	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		C4807	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V
C4704	1-119-923-11	CERAMIC CHIP	0.047uF	10%	10V		C4809	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C4705	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		C4810	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V
C4706	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		C4811	1-164-939-11	CERAMIC CHIP	0.0022uF	10%	50V
C4707	1-165-908-11	CERAMIC CHIP	1uF	10%	10V		C4812	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C4708	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V		C5101	1-119-750-11	TANTAL. CHIP	22uF	20%	6.3V
C4709	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		C5103	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C4711	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		C5107	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C4712	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		C5109	1-128-702-81	CERAMIC CHIP	11PF	5%	50V
C4713	1-165-908-11	CERAMIC CHIP	1uF	10%	10V		C5110	1-164-850-11	CERAMIC CHIP	10PF	0.5PF	50V
C4714	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V		C5111	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C4716	1-165-908-11	CERAMIC CHIP	1uF	10%	10V		C5114	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C4717	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		C5115	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C4719	1-127-772-11	CERAMIC CHIP	0.033uF	10%	10V		C5117	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C4720	1-165-908-11	CERAMIC CHIP	1uF	10%	10V		C5118	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C4721	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V		C5119	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C4722	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V		C5120	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C4723	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V		C5121	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C4724	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V		C5122	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C4725	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V		< CONNECTOR >					
C4726	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V		* CN4001	1-816-645-51	FFC/FPC CONNECTOR (LIF) 14P			
C4727	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V		* CN4003	1-816-645-51	FFC/FPC CONNECTOR (LIF) 14P			
C4728	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V		* CN4005	1-818-073-51	CONNECTOR, FFC/FPC (ZIF) 36P			
C4731	1-165-908-11	CERAMIC CHIP	1uF	10%	10V		* CN4007	1-816-645-51	FFC/FPC CONNECTOR (LIF) 14P			
C4732	1-165-908-11	CERAMIC CHIP	1uF	10%	10V		* CN4008	1-820-588-21	CONNECTOR, BOARD TO BOARD 100P			
C4733	1-165-908-11	CERAMIC CHIP	1uF	10%	10V		* CN4011	1-816-644-51	FFC/FPC CONNECTOR (LIF) 12P			
C4734	1-165-908-11	CERAMIC CHIP	1uF	10%	10V		* CN4013	1-816-647-51	FFC/FPC CONNECTOR (LIF) 18P			
C4735	1-165-908-11	CERAMIC CHIP	1uF	10%	10V		* CN4014	1-816-654-51	FFC/FPC CONNECTOR (LIF) 6P			
C4736	1-165-908-11	CERAMIC CHIP	1uF	10%	10V		< DIODE >					
C4737	1-165-908-11	CERAMIC CHIP	1uF	10%	10V		D4008	8-719-074-67	DIODE EDZ-TE61-5.6B			
C4738	1-165-908-11	CERAMIC CHIP	1uF	10%	10V		D4601	8-719-074-08	DIODE MA4ZD03001S0			
C4741	1-107-823-11	CERAMIC CHIP	0.47uF	10%	16V		D4602	8-719-421-67	DIODE MA132WK			
C4743	1-131-862-11	TANTAL. CHIP	47uF	20%	4V		D4605	8-719-069-28	DIODE 1SS400TE-61			
C4745	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V		D4606	8-719-991-00	DIODE DAP222			
C4746	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V		D4702	8-719-027-76	DIODE 1SS357-TPH3			
C4747	1-107-823-11	CERAMIC CHIP	0.47uF	10%	16V		D4706	6-500-813-01	DIODE MA2SD32008S0			
C4748	1-165-908-11	CERAMIC CHIP	1uF	10%	10V		D4709	8-719-056-22	DIODE MA2S728			
C4750	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V		D4711	8-719-074-08	DIODE MA4ZD03001S0			
C4752	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V		D4713	6-500-813-01	DIODE MA2SD32008S0			
C4754	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V		D4714	6-500-813-01	DIODE MA2SD32008S0			
C4755	1-135-259-11	TANTAL. CHIP	10uF	20%	6.3V		< FUSE >					
C4757	1-135-259-11	TANTAL. CHIP	10uF	20%	6.3V		△F4601	1-576-406-11	FUSE (1.4A/32V)			
C4758	1-135-259-11	TANTAL. CHIP	10uF	20%	6.3V		△F4602	1-576-406-11	FUSE (1.4A/32V)			
C4760	1-127-895-11	TANTAL. CHIP	22uF	20%	4V		△F4603	1-576-406-11	FUSE (1.4A/32V)			
C4761	1-107-823-11	CERAMIC CHIP	0.47uF	10%	16V		△F4604	1-576-406-11	FUSE (1.4A/32V)			
C4766	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V		△F4605	1-576-406-11	FUSE (1.4A/32V)			
C4775	1-165-908-11	CERAMIC CHIP	1uF	10%	10V		△F4606	1-576-872-11	FUSE (0.25A/50V)			
C4776	1-165-908-11	CERAMIC CHIP	1uF	10%	10V		△F4607	1-576-406-11	FUSE (1.4A/32V)			
C4782	1-164-939-11	CERAMIC CHIP	0.0022uF	10%	50V							
C4789	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V							
C4797	1-100-591-91	CERAMIC CHIP	1uF	10%	25V							
C4799	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V							
C4800	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V							
C4801	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V							

• Refer to page 5-1 for mark △.

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
< IC >					
* IC3301	6-710-466-01	IC NN12923A-BB	Q4719	6-550-006-01	TRANSISTOR UN911BJ-(K8).SO
* IC4701	6-710-636-01	IC MB44C005BBGL-G-ERE1	Q4721	6-550-714-01	TRANSISTOR SCH1406-TL-E
* IC4707	6-708-464-01	IC R1114Q251D-TR-FA	Q4722	6-550-713-01	TRANSISTOR SCH2816-TL-E
* IC5101	6-807-569-01	IC MB95005BGL-G-107-ERE1	Q4723	6-550-025-01	TRANSISTOR EMD12T2R
IC5104	6-708-511-01	IC TC7SG08AFS	Q4724	6-550-237-01	TRANSISTOR 2SC5658T2LQ/R
< COIL >			< RESISTOR >		
L3302	1-400-588-11	INDUCTOR 10uH	R3307	1-218-965-11	RES-CHIP 10K 5% 1/16W
L3303	1-400-588-11	INDUCTOR 10uH	R3311	1-218-977-11	RES-CHIP 100K 5% 1/16W
L3304	1-400-588-11	INDUCTOR 10uH	R3312	1-218-977-11	RES-CHIP 100K 5% 1/16W
L3305	1-400-588-11	INDUCTOR 10uH	R3313	1-218-973-11	RES-CHIP 47K 5% 1/16W
L3306	1-400-588-11	INDUCTOR 10uH	R3314	1-218-973-11	RES-CHIP 47K 5% 1/16W
L4701	1-424-769-11	INDUCTOR 10uH	R3315	1-218-965-11	RES-CHIP 10K 5% 1/16W
L4702	1-456-500-11	INDUCTOR 10uH	R3316	1-218-965-11	RES-CHIP 10K 5% 1/16W
L4703	1-456-136-21	INDUCTOR 10uH	R3317	1-218-977-11	RES-CHIP 100K 5% 1/16W
L4704	1-456-500-11	INDUCTOR 10uH	R3318	1-218-957-11	RES-CHIP 2.2K 5% 1/16W
L4705	1-456-136-21	INDUCTOR 10uH	R3319	1-218-957-11	RES-CHIP 2.2K 5% 1/16W
L4706	1-456-500-11	INDUCTOR 10uH	R3320	1-218-957-11	RES-CHIP 2.2K 5% 1/16W
L4707	1-456-500-11	INDUCTOR 10uH	R3321	1-218-941-81	RES-CHIP 100 5% 1/16W
L4708	1-481-212-11	INDUCTOR 10uH	R3322	1-218-941-81	RES-CHIP 100 5% 1/16W
* L4710	1-481-240-11	INDUCTOR 1uH	R3331	1-218-965-11	RES-CHIP 10K 5% 1/16W
L4712	1-469-846-21	INDUCTOR 47uH	R3332	1-218-965-11	RES-CHIP 10K 5% 1/16W
L4713	1-469-845-11	INDUCTOR 4.7uH	R3333	1-218-977-11	RES-CHIP 100K 5% 1/16W
L4714	1-400-135-11	INDUCTOR 1uH	R3334	1-218-967-11	RES-CHIP 15K 5% 1/16W
L4717	1-469-557-11	INDUCTOR 22uH	R3335	1-218-961-11	RES-CHIP 4.7K 5% 1/16W
L4719	1-400-135-11	INDUCTOR 1uH	R3336	1-218-973-11	RES-CHIP 47K 5% 1/16W
L4720	1-469-845-11	INDUCTOR 4.7uH	R3337	1-218-990-11	SHORT CHIP 0
L4722	1-400-676-11	INDUCTOR 22uH	R4005	1-400-833-21	SMD EMI FERRITE
L4723	1-469-845-11	INDUCTOR 4.7uH	R4006	1-218-990-11	SHORT CHIP 0
L4725	1-400-073-21	INDUCTOR 4.7uH	R4007	1-400-915-21	INDUCTOR (EMI FERRITE) (2012)
L4726	1-469-966-21	INDUCTOR 1uH	R4008	1-400-915-21	INDUCTOR (EMI FERRITE) (2012)
L4736	1-400-135-11	INDUCTOR 1uH	R4009	1-218-949-11	RES-CHIP 470 5% 1/16W
L4737	1-419-311-11	INDUCTOR 100uH	R4010	1-218-949-11	RES-CHIP 470 5% 1/16W
L4738	1-469-561-21	INDUCTOR 100uH	R4011	1-218-937-11	RES-CHIP 47 5% 1/16W
L4739	1-469-845-11	INDUCTOR 4.7uH	R4021	1-218-954-11	RES-CHIP 1.2K 5% 1/16W
L4740	1-400-135-11	INDUCTOR 1uH	R4022	1-218-964-11	RES-CHIP 8.2K 5% 1/16W
L4741	1-456-500-11	INDUCTOR 10uH	R4605	1-216-001-00	RES-CHIP 10 5% 1/10W
L4742	1-469-553-21	INDUCTOR 4.7uH	R4606	1-218-953-11	RES-CHIP 1K 5% 1/16W
< TRANSISTOR >			R4607	1-218-961-11	RES-CHIP 4.7K 5% 1/16W
Q3301	8-729-056-75	TRANSISTOR MCH3211-TL-E	R4608	1-218-965-11	RES-CHIP 10K 5% 1/16W
Q4603	8-729-043-60	TRANSISTOR CPH6102-TL-E	R4609	1-218-989-11	RES-CHIP 1M 5% 1/16W
Q4604	6-550-234-01	TRANSISTOR UNR32A300LS0	R4610	1-218-953-11	RES-CHIP 1K 5% 1/16W
Q4605	6-550-234-01	TRANSISTOR UNR32A300LS0	R4636	1-218-977-11	RES-CHIP 100K 5% 1/16W
Q4606	6-551-184-01	TRANSISTOR MCH6305-TL-E-S	R4638	1-218-989-11	RES-CHIP 1M 5% 1/16W
Q4608	6-551-115-01	TRANSISTOR ECH8631-S-TL-E	R4701	1-218-961-11	RES-CHIP 4.7K 5% 1/16W
Q4610	6-550-237-01	TRANSISTOR 2SC5658T2LQ/R	R4702	1-218-891-11	METAL CHIP 68K 0.5% 1/10W
Q4611	8-729-054-88	TRANSISTOR UP04113008S0	R4703	1-218-961-11	RES-CHIP 4.7K 5% 1/16W
Q4612	6-550-234-01	TRANSISTOR UNR32A300LS0	R4704	1-216-789-11	METAL CHIP 2.2 5% 1/10W
Q4707	6-551-536-01	TRANSISTOR ECH8402-S-TL-E	R4705	1-218-941-81	RES-CHIP 100 5% 1/16W
Q4708	6-551-536-01	TRANSISTOR ECH8402-S-TL-E	R4708	1-218-953-11	RES-CHIP 1K 5% 1/16W
Q4709	6-551-536-01	TRANSISTOR ECH8402-S-TL-E	R4746	1-218-961-11	RES-CHIP 4.7K 5% 1/16W
Q4710	6-550-180-01	TRANSISTOR SSM6N16FE (TPLR3)	R4751	1-218-941-81	RES-CHIP 100 5% 1/16W
Q4717	8-729-056-72	TRANSISTOR MCH5805-TL-E	R4787	1-218-978-11	RES-CHIP 120K 5% 1/16W
Q4718	6-550-234-01	TRANSISTOR UNR32A300LS0	R4788	1-218-965-11	RES-CHIP 10K 5% 1/16W
			R4789	1-218-969-11	RES-CHIP 22K 5% 1/16W
			R4792	1-218-969-11	RES-CHIP 22K 5% 1/16W
			R4793	1-218-977-11	RES-CHIP 100K 5% 1/16W

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Ref. No.	Part No.	Description			
R4799	1-208-927-11	METAL CHIP	47K	0.5%	1/16W
R4800	1-208-711-11	METAL CHIP	15K	0.5%	1/16W
R4801	1-208-691-11	METAL CHIP	2.2K	0.5%	1/16W
R4804	1-218-989-11	RES-CHIP	1M	5%	1/16W
R4807	1-208-935-11	METAL CHIP	100K	0.5%	1/16W
R4808	1-208-935-11	METAL CHIP	100K	0.5%	1/16W
R4817	1-218-977-11	RES-CHIP	100K	5%	1/16W
R4818	1-218-965-11	RES-CHIP	10K	5%	1/16W
R4820	1-208-687-11	METAL CHIP	1.5K	0.5%	1/16W
R4822	1-218-977-11	RES-CHIP	100K	5%	1/16W
R4823	1-218-977-11	RES-CHIP	100K	5%	1/16W
R4826	1-218-963-11	RES-CHIP	6.8K	5%	1/16W
R5102	1-218-953-11	RES-CHIP	1K	5%	1/16W
R5109	1-218-973-11	RES-CHIP	47K	5%	1/16W
R5119	1-208-935-11	METAL CHIP	100K	0.5%	1/16W
R5120	1-208-927-11	METAL CHIP	47K	0.5%	1/16W
R5122	1-218-989-11	RES-CHIP	1M	5%	1/16W
R5124	1-219-570-11	METAL CHIP	10M	5%	1/10W
R5126	1-218-990-11	SHORT CHIP	0		
R5133	1-218-977-11	RES-CHIP	100K	5%	1/16W
R5149	1-208-893-11	METAL CHIP	1.8K	0.5%	1/16W
R5150	1-208-703-11	METAL CHIP	6.8K	0.5%	1/16W
R5151	1-218-953-11	RES-CHIP	1K	5%	1/16W
R5153	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5154	1-218-949-11	RES-CHIP	470	5%	1/16W
R5157	1-218-977-11	RES-CHIP	100K	5%	1/16W
R5160	1-218-977-11	RES-CHIP	100K	5%	1/16W
R5161	1-218-973-11	RES-CHIP	47K	5%	1/16W
R5162	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5163	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5164	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5166	1-218-945-11	RES-CHIP	220	5%	1/16W
R5168	1-218-990-11	SHORT CHIP	0		
R5169	1-218-953-11	RES-CHIP	1K	5%	1/16W
R5172	1-218-985-11	RES-CHIP	470K	5%	1/16W
R5173	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5174	1-218-989-11	RES-CHIP	1M	5%	1/16W
R5175	1-218-977-11	RES-CHIP	100K	5%	1/16W
R5176	1-218-953-11	RES-CHIP	1K	5%	1/16W
R5177	1-218-977-11	RES-CHIP	100K	5%	1/16W

< COMPOSITION CIRCUIT BLOCK >

RB3301	1-234-723-21	RES, NETWORK	75 (1005X4)
RB5101	1-234-375-21	RES, NETWORK	1.0K (1005X4)

< VIBRATOR >

* X5101	1-813-709-41	QUARTZCRYSTALUNITFOROSCILLATOR (32.768KHz)
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Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
A-1244-943-A	VC-492 BOARD, COMPLETE (SERVICE)	(SR300/SR300C)	C1318	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V (SR290E/SR300/SR300C/SR300E)
A-1244-944-A	VC-492 BOARD, COMPLETE (SERVICE) (SR300E)		C1319	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V (SR290E/SR300/SR300C/SR300E)
A-1244-945-A	VC-492 BOARD, COMPLETE (SERVICE) (SR290E)		C1320	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V (SR290E/SR300/SR300C/SR300E)
A-1244-946-A	VC-492 BOARD, COMPLETE (SERVICE)	(SR200/SR200C)	C1321	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V (SR290E/SR300/SR300C/SR300E)
A-1244-947-A	VC-492 BOARD, COMPLETE (SERVICE) (SR200E)		C1322	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V (SR290E/SR300/SR300C/SR300E)
A-1244-948-A	VC-492 BOARD, COMPLETE (SERVICE) (SR190E)		C1323	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V (SR290E/SR300/SR300C/SR300E)
*****			C1324	1-117-919-11	TANTAL. CHIP 10uF 20% 6.3V (SR290E/SR300/SR300C/SR300E)
(IC2201 is not supplied, but this is included in VC-492 complete board.)			C1325	1-117-919-11	TANTAL. CHIP 10uF 20% 6.3V (SR290E/SR300/SR300C/SR300E)
< CAPACITOR >			C1702	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C1002	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	C1703	1-165-989-11	CERAMIC CHIP 10uF 10% 6.3V
C1003	1-165-908-11	CERAMIC CHIP 1uF 10% 10V	C1704	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C1006	1-164-860-11	CERAMIC CHIP 27PF 5% 50V	C1705	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C1007	1-164-860-11	CERAMIC CHIP 27PF 5% 50V	C1706	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C1009	1-164-937-11	CERAMIC CHIP 0.001uF 10% 50V	C1707	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C1010	1-112-298-91	CERAMIC CHIP 1uF 10% 16V	C1708	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C1205	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	C1709	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C1206	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	C1710	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C1207	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	C1711	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C1208	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	C1712	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C1209	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	C1713	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C1210	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	C1714	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C1211	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V (SR190E/SR200/SR200C/SR200E)	C1715	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C1212	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V (SR190E/SR200/SR200C/SR200E)	C1716	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C1213	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	C1717	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C1214	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	C1718	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C1215	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	C1719	1-127-895-11	TANTAL. CHIP 22uF 20% 4V
C1216	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	C1720	1-165-989-11	CERAMIC CHIP 10uF 10% 6.3V
C1217	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	C1721	1-127-895-11	TANTAL. CHIP 22uF 20% 4V
C1218	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	C1722	1-165-989-11	CERAMIC CHIP 10uF 10% 6.3V
C1219	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	C1723	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C1221	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	C1724	1-165-989-11	CERAMIC CHIP 10uF 10% 6.3V
C1222	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	C1725	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C1223	1-117-919-11	TANTAL. CHIP 10uF 20% 6.3V	C1726	1-127-895-11	TANTAL. CHIP 22uF 20% 4V
C1224	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	C1727	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C1225	1-117-919-11	TANTAL. CHIP 10uF 20% 6.3V	C1728	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C1305	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V (SR290E/SR300/SR300C/SR300E)	C1729	1-165-989-11	CERAMIC CHIP 10uF 10% 6.3V
C1306	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V (SR290E/SR300/SR300C/SR300E)	C1730	1-165-989-11	CERAMIC CHIP 10uF 10% 6.3V
C1307	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V (SR290E/SR300/SR300C/SR300E)	C1731	1-127-895-11	TANTAL. CHIP 22uF 20% 4V
C1308	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V (SR290E/SR300/SR300C/SR300E)	C1732	1-127-895-11	TANTAL. CHIP 22uF 20% 4V
C1309	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V (SR290E/SR300/SR300C/SR300E)	C1733	1-127-895-11	TANTAL. CHIP 22uF 20% 4V
C1310	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V (SR290E/SR300/SR300C/SR300E)	C1819	1-100-567-81	CERAMIC CHIP 0.01uF 10% 25V
C1313	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V (SR290E/SR300/SR300C/SR300E)	C1821	1-164-850-11	CERAMIC CHIP 10PF 0.5PF 50V
C1314	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V (SR290E/SR300/SR300C/SR300E)	C1822	1-164-850-11	CERAMIC CHIP 10PF 0.5PF 50V
C1315	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V (SR290E/SR300/SR300C/SR300E)	C1823	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C1316	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V (SR290E/SR300/SR300C/SR300E)	C1824	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C1317	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V (SR290E/SR300/SR300C/SR300E)	C1825	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
			C1826	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
			C1827	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
			C1828	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
			C1829	1-165-908-11	CERAMIC CHIP 1uF 10% 10V

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Ref. No.	Part No.	Description
C1830	1-165-908-11	CERAMIC CHIP 1uF 10% 10V
C1832	1-100-567-81	CERAMIC CHIP 0.01uF 10% 25V (SR190E/SR200/SR200C/SR200E)
C1833	1-100-567-81	CERAMIC CHIP 0.01uF 10% 25V (SR190E/SR200/SR200C/SR200E)
C1834	1-100-567-81	CERAMIC CHIP 0.01uF 10% 25V
C1902	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V (SR290E/SR300/SR300C/SR300E)
C1903	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V (SR290E/SR300/SR300C/SR300E)
C1904	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V (SR190E/SR200/SR200C/SR200E)
C1905	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V (SR190E/SR200/SR200C/SR200E)
C1906	1-165-989-11	CERAMIC CHIP 10uF 10% 6.3V
C2102	1-164-937-11	CERAMIC CHIP 0.001uF 10% 50V
C2103	1-164-850-11	CERAMIC CHIP 10PF 0.5PF 50V
C2105	1-127-760-11	CERAMIC CHIP 4.7uF 10% 6.3V
C2106	1-164-937-11	CERAMIC CHIP 0.001uF 10% 50V
C2109	1-164-937-11	CERAMIC CHIP 0.001uF 10% 50V
C2111	1-164-937-11	CERAMIC CHIP 0.001uF 10% 50V
C2117	1-164-937-11	CERAMIC CHIP 0.001uF 10% 50V
C2120	1-100-567-81	CERAMIC CHIP 0.01uF 10% 25V
C2122	1-164-937-11	CERAMIC CHIP 0.001uF 10% 50V
C2123	1-127-760-11	CERAMIC CHIP 4.7uF 10% 6.3V
C2124	1-165-908-11	CERAMIC CHIP 1uF 10% 10V
C2125	1-100-567-81	CERAMIC CHIP 0.01uF 10% 25V
C2126	1-100-567-81	CERAMIC CHIP 0.01uF 10% 25V
C2128	1-164-937-11	CERAMIC CHIP 0.001uF 10% 50V
C2129	1-165-908-11	CERAMIC CHIP 1uF 10% 10V
C2130	1-165-908-11	CERAMIC CHIP 1uF 10% 10V
C2202	1-164-937-11	CERAMIC CHIP 0.001uF 10% 50V
C2203	1-164-937-11	CERAMIC CHIP 0.001uF 10% 50V
C2204	1-164-937-11	CERAMIC CHIP 0.001uF 10% 50V
C2205	1-164-937-11	CERAMIC CHIP 0.001uF 10% 50V
C2206	1-164-937-11	CERAMIC CHIP 0.001uF 10% 50V
C2501	1-164-937-11	CERAMIC CHIP 0.001uF 10% 50V
C2502	1-164-937-11	CERAMIC CHIP 0.001uF 10% 50V
C2505	1-164-937-11	CERAMIC CHIP 0.001uF 10% 50V
C2506	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C2508	1-164-937-11	CERAMIC CHIP 0.001uF 10% 50V
C2510	1-164-937-11	CERAMIC CHIP 0.001uF 10% 50V
C2511	1-164-937-11	CERAMIC CHIP 0.001uF 10% 50V
C2514	1-164-937-11	CERAMIC CHIP 0.001uF 10% 50V
C2515	1-164-937-11	CERAMIC CHIP 0.001uF 10% 50V
C2518	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C2519	1-164-937-11	CERAMIC CHIP 0.001uF 10% 50V
C2523	1-164-937-11	CERAMIC CHIP 0.001uF 10% 50V
C2524	1-164-937-11	CERAMIC CHIP 0.001uF 10% 50V
C2525	1-164-937-11	CERAMIC CHIP 0.001uF 10% 50V
C2526	1-164-937-11	CERAMIC CHIP 0.001uF 10% 50V
C2531	1-164-937-11	CERAMIC CHIP 0.001uF 10% 50V
C2532	1-164-937-11	CERAMIC CHIP 0.001uF 10% 50V
C2533	1-164-937-11	CERAMIC CHIP 0.001uF 10% 50V
C2534	1-164-937-11	CERAMIC CHIP 0.001uF 10% 50V
C2538	1-127-760-11	CERAMIC CHIP 4.7uF 10% 6.3V
C2539	1-127-760-11	CERAMIC CHIP 4.7uF 10% 6.3V
C2541	1-112-746-11	CERAMIC CHIP 4.7uF 10% 6.3V
C2542	1-128-964-11	TANTAL. CHIP 100uF 20% 6.3V

Ref. No.	Part No.	Description
C2543	1-127-760-11	CERAMIC CHIP 4.7uF 10% 6.3V
C2545	1-127-760-11	CERAMIC CHIP 4.7uF 10% 6.3V
C2546	1-127-760-11	CERAMIC CHIP 4.7uF 10% 6.3V
C2902	1-164-937-11	CERAMIC CHIP 0.001uF 10% 50V
C2903	1-164-937-11	CERAMIC CHIP 0.001uF 10% 50V
C2904	1-164-937-11	CERAMIC CHIP 0.001uF 10% 50V
C2905	1-164-937-11	CERAMIC CHIP 0.001uF 10% 50V
C2907	1-164-937-11	CERAMIC CHIP 0.001uF 10% 50V
C2910	1-164-937-11	CERAMIC CHIP 0.001uF 10% 50V
C2911	1-164-937-11	CERAMIC CHIP 0.001uF 10% 50V
C2912	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C2914	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C2916	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C2917	1-164-937-11	CERAMIC CHIP 0.001uF 10% 50V
C2918	1-164-937-11	CERAMIC CHIP 0.001uF 10% 50V
C2923	1-127-760-11	CERAMIC CHIP 4.7uF 10% 6.3V
C2924	1-127-760-11	CERAMIC CHIP 4.7uF 10% 6.3V
C2925	1-127-760-11	CERAMIC CHIP 4.7uF 10% 6.3V
C3801	1-100-567-81	CERAMIC CHIP 0.01uF 10% 25V
C3802	1-100-567-81	CERAMIC CHIP 0.01uF 10% 25V
C3803	1-119-923-11	CERAMIC CHIP 0.047uF 10% 10V
C3804	1-119-923-11	CERAMIC CHIP 0.047uF 10% 10V
C3805	1-119-923-11	CERAMIC CHIP 0.047uF 10% 10V
C3806	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C5404	1-164-942-11	CERAMIC CHIP 0.0068uF 10% 16V (SR190E/SR200/SR200C/SR200E)
C5405	1-137-987-81	CERAMIC CHIP 0.068uF 10% 10V
C5406	1-137-987-81	CERAMIC CHIP 0.068uF 10% 10V
C5407	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C5408	1-119-750-11	TANTAL. CHIP 22uF 20% 6.3V
C5409	1-164-937-11	CERAMIC CHIP 0.001uF 10% 50V (SR190E/SR200/SR200C/SR200E)
C5409	1-164-939-11	CERAMIC CHIP 0.0022uF 10% 50V (SR290E/SR300/SR300C/SR300E)
C5410	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C5411	1-164-937-11	CERAMIC CHIP 0.001uF 10% 50V (SR190E/SR200/SR200C/SR200E)
C5411	1-164-939-11	CERAMIC CHIP 0.0022uF 10% 50V (SR290E/SR300/SR300C/SR300E)
C5412	1-164-866-11	CERAMIC CHIP 47PF 5% 50V
C5413	1-165-908-11	CERAMIC CHIP 1uF 10% 10V
C5414	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C5415	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C5416	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C5417	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C5419	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C5421	1-137-934-11	TANTAL. CHIP 47uF 20% 10V
C5422	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C5423	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C5424	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C5425	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C5426	1-125-891-11	CERAMIC CHIP 0.47uF 10% 10V
C5427	1-164-934-11	CERAMIC CHIP 330PF 10% 50V
C5428	1-119-750-11	TANTAL. CHIP 22uF 20% 6.3V
C5429	1-165-908-11	CERAMIC CHIP 1uF 10% 10V
C5430	1-127-715-11	CERAMIC CHIP 0.22uF 10% 16V
C5431	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C5432	1-119-750-11	TANTAL. CHIP 22uF 20% 6.3V
C5433	1-164-939-11	CERAMIC CHIP 0.0022uF 10% 50V

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
C5434	1-164-939-11	CERAMIC CHIP 0.0022uF 10% 50V	FB2302	1-469-580-21	INDUCTOR, FERRITE BEAD (1005)
C5705	1-165-897-11	TANTAL. CHIP 22uF 20% 10V (SR290E/SR300/SR300C/SR300E)	FB2501	1-216-295-91	SHORT CHIP 0
C5706	1-165-908-11	CERAMIC CHIP 1uF 10% 10V (SR290E/SR300/SR300C/SR300E)	FB2502	1-216-864-11	SHORT CHIP 0
C5707	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V (SR290E/SR300/SR300C/SR300E)	FB2503	1-216-864-11	SHORT CHIP 0
C5708	1-165-908-11	CERAMIC CHIP 1uF 10% 10V (SR290E/SR300/SR300C/SR300E)	FB2504	1-216-864-11	SHORT CHIP 0
C5712	1-164-937-11	CERAMIC CHIP 0.001uF 10% 50V (SR290E/SR300/SR300C/SR300E)	FB2505	1-216-864-11	SHORT CHIP 0
C5713	1-164-939-11	CERAMIC CHIP 0.0022uF 10% 50V (SR290E/SR300/SR300C/SR300E)	FB2506	1-400-619-11	BEAD, FERRITE (CHIP) (1608)
C5715	1-100-567-81	CERAMIC CHIP 0.01uF 10% 25V (SR290E/SR300/SR300C/SR300E)	FB2901	1-400-619-11	BEAD, FERRITE (CHIP) (1608)
C5716	1-164-937-11	CERAMIC CHIP 0.001uF 10% 50V (SR290E/SR300/SR300C/SR300E)	FB5401	1-414-760-21	BEAD, FERRITE (CHIP) (1608)
C5717	1-107-819-11	CERAMIC CHIP 0.022uF 10% 16V (SR290E/SR300/SR300C/SR300E)	< IC >		
C5719	1-100-567-81	CERAMIC CHIP 0.01uF 10% 25V (SR290E/SR300/SR300C/SR300E)	* IC1001	6-708-445-01	IC R1114Q291D-TR-FA
C5722	1-127-895-11	TANTAL. CHIP 22uF 20% 4V (SR290E/SR300/SR300C/SR300E)	* IC1201	6-709-440-01	IC VSP2435ZWDR (SR190E/SR200/SR200C/SR200E)
C5723	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V (SR290E/SR300/SR300C/SR300E)	* IC1201	6-710-806-01	IC VSP2436ZWDR (SR290E/SR300/SR300C/SR300E)
C5801	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	* IC1301	6-710-806-01	IC VSP2436ZWDR (SR290E/SR300/SR300C/SR300E)
C5803	1-165-897-11	TANTAL. CHIP 22uF 20% 10V	IC1701	6-708-135-01	IC HD74ALVC2G74USE-E
< CONNECTOR >			* IC1702	6-710-008-01	IC CXD9886GG
* CN1002	1-818-045-51	CONNECTOR, FFC/FPC 14P	* IC1803	6-807-463-01	IC MB91195ABGL-G-234-ERE1 (SR190E/SR200/SR200C/SR200E)
* CN1003	1-818-073-51	CONNECTOR, FFC/FPC (ZIF) 36P	* IC1803	6-807-464-01	IC MB91195ABGL-G-235-ERE1 (SR290E/SR300/SR300C/SR300E)
* CN1005	1-820-589-21	CONNECTOR, BOARD TO BOARD 100P	* IC1804	6-710-155-01	IC AK6514CAM-E2
* CN1009	1-816-646-51	FFC/CONNECTOR, FPC (LIF) 16P	* IC1901	6-710-438-01	IC EDS2532JEBH-75TT-E (SR290E/SR300/SR300C/SR300E)
CN1010	1-691-372-51	CONNECTOR, FFC/FPC 8P	* IC1902	6-708-857-01	IC K4M28163LH-BN75T (SR190E/SR200/SR200C/SR200E)
* CN1011	1-816-644-51	FFC/CONNECTOR, FPC (LIF) 12P	* IC2101	8-753-284-01	IC CXD4212AGG-TL
* CN1012	1-819-860-51	CONNECTOR, FPC (ZIF) 51P	IC2201	(Not supplied)	IC K5R1213ACA-DK75T
CN1013	1-817-556-51	CONNECTOR, FFC/FPC 18P	* IC2901	6-709-936-01	IC R8A01015ABGTLV
* CN1201	1-820-560-11	CONNECTOR, COAXIAL (RECEPTACLE) (SR290E/SR300/SR300C/SR300E)	IC5401	8-759-359-49	IC NJM3414AV (TE2) (SR190E/SR200/SR200C/SR200E)
* CN1201	1-820-562-11	CONNECTOR, COAXIAL (RECEPTACLE) (SR190E/SR200/SR200C/SR200E)	IC5402	8-759-359-49	IC NJM3414AV (TE2)
* CN5302	1-817-283-71	CONNECTOR, FPC (ZIF) 51P (SR290E/SR300/SR300C/SR300E)	IC5403	8-759-359-49	IC NJM3414AV (TE2)
* CN5303	1-818-683-51	CONNECTOR, FPC (ZIF) 33P (SR190E/SR200/SR200C/SR200E)	IC5404	6-708-814-01	IC BU2343GLU-E2
< DIODE >			* IC5405	6-708-444-01	IC R1114Q281D-TR-FA
D1701	8-719-027-76	DIODE 1SS357-TPH3	* IC5703	6-709-026-01	IC R2J30500LG (SR290E/SR300/SR300C/SR300E)
D1702	8-719-027-76	DIODE 1SS357-TPH3	IC5801	6-706-173-01	IC BD6878GLU-E2
< FERRITE BEAD >			< COIL >		
FB1002	1-400-331-11	FERRITE, EMI (SMD) (1005)	L1201	1-400-588-11	INDUCTOR 10uH
FB1003	1-400-915-21	INDUCTOR (EMI FERRITE) (2012)	L1202	1-469-967-21	INDUCTOR 10uH
FB1701	1-400-331-11	FERRITE, EMI (SMD) (1005)	L1301	1-400-588-11	INDUCTOR 10uH (SR290E/SR300/SR300C/SR300E)
FB1702	1-400-331-11	FERRITE, EMI (SMD) (1005)	L1302	1-469-967-21	INDUCTOR 10uH (SR290E/SR300/SR300C/SR300E)
FB1802	1-400-331-11	FERRITE, EMI (SMD) (1005)	L1701	1-400-353-21	INDUCTOR 22uH
FB1901	1-400-619-11	BEAD, FERRITE (CHIP) (1608)	L1702	1-400-588-11	INDUCTOR 10uH
FB2101	1-216-864-11	SHORT CHIP 0	L1703	1-400-588-11	INDUCTOR 10uH
FB2102	1-216-295-91	SHORT CHIP 0	L1704	1-400-588-11	INDUCTOR 10uH
FB2301	1-469-580-21	INDUCTOR, FERRITE BEAD (1005)	L2102	1-216-295-91	SHORT CHIP 0
			L2103	1-216-295-91	SHORT CHIP 0
			L2105	1-216-295-91	SHORT CHIP 0
			L2107	1-216-295-91	SHORT CHIP 0
			L2901	1-216-295-91	SHORT CHIP 0
			L2902	1-216-295-91	SHORT CHIP 0

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Ref. No.	Part No.	Description
L5401	1-469-551-21	INDUCTOR 2.2uH
L5403	1-400-588-11	INDUCTOR 10uH
L5701	1-400-588-11	INDUCTOR 10uH
		(SR290E/SR300/SR300C/SR300E)
L5801	1-469-553-21	INDUCTOR 4.7uH
< TRANSISTOR >		
Q1003	6-550-234-01	TRANSISTOR UNR32A300LSO
Q1004	6-550-243-01	TRANSISTOR DTC144TMT2L
Q1005	8-729-055-88	TRANSISTOR MCH3406-TL-E
Q1006	6-550-102-01	TRANSISTOR 2SC5663T2L
Q1008	6-551-338-01	TRANSISTOR UNR31AF00LSO
Q2913	6-550-383-01	TRANSISTOR HN4A71FK (TE85R)
< RESISTOR >		
R1004	1-218-953-11	RES-CHIP 1K 5% 1/16W
R1026	1-218-965-11	RES-CHIP 10K 5% 1/16W
R1030	1-218-965-11	RES-CHIP 10K 5% 1/16W
R1031	1-218-935-11	RES-CHIP 33 5% 1/16W
R1032	1-218-940-11	RES-CHIP 82 5% 1/16W
R1033	1-208-643-11	RES-CHIP 22 0.5% 1/16W
R1034	1-218-940-11	RES-CHIP 82 5% 1/16W
R1035	1-218-933-11	RES-CHIP 22 5% 1/16W
R1036	1-218-933-11	RES-CHIP 22 5% 1/16W
R1037	1-218-940-11	RES-CHIP 82 5% 1/16W
R1038	1-218-935-11	RES-CHIP 33 5% 1/16W
R1049	1-216-801-11	METAL CHIP 22 5% 1/10W
R1050	1-216-801-11	METAL CHIP 22 5% 1/10W
R1051	1-218-959-11	RES-CHIP 3.3K 5% 1/16W
R1052	1-218-990-11	SHORT CHIP 0
R1060	1-218-965-11	RES-CHIP 10K 5% 1/16W
R1061	1-218-954-11	RES-CHIP 1.2K 5% 1/16W
R1063	1-218-990-11	SHORT CHIP 0
R1065	1-218-977-11	RES-CHIP 100K 5% 1/16W
R1066	1-218-989-11	RES-CHIP 1M 5% 1/16W
R1076	1-218-969-11	RES-CHIP 22K 5% 1/16W
		(SR290E/SR300E)
R1076	1-218-977-11	RES-CHIP 100K 5% 1/16W
		(SR300/SR300C)
R1076	1-218-990-11	SHORT CHIP 0 (SR190E/SR200E)
R1077	1-218-969-11	RES-CHIP 22K 5% 1/16W
		(SR300/SR300C)
R1077	1-218-977-11	RES-CHIP 100K 5% 1/16W
		(SR290E/SR300E)
R1077	1-218-990-11	SHORT CHIP 0 (SR200/SR200C)
R1078	1-218-990-11	SHORT CHIP 0 (SR190E/SR290E)
R1079	1-218-990-11	SHORT CHIP 0
		(SR200/SR200C/SR200E/SR300/SR300C/SR300E)
R1083	1-218-985-11	RES-CHIP 470K 5% 1/16W
R1214	1-218-990-11	SHORT CHIP 0
R1216	1-218-990-11	SHORT CHIP 0
R1231	1-218-933-11	RES-CHIP 22 5% 1/16W
		(SR190E/SR200/SR200C/SR200E)
R1232	1-218-933-11	RES-CHIP 22 5% 1/16W
		(SR290E/SR300/SR300C/SR300E)
R1314	1-218-990-11	SHORT CHIP 0
		(SR290E/SR300/SR300C/SR300E)
R1316	1-218-990-11	SHORT CHIP 0
		(SR290E/SR300/SR300C/SR300E)

Ref. No.	Part No.	Description
R1347	1-218-990-11	SHORT CHIP 0
		(SR290E/SR300/SR300C/SR300E)
R1702	1-218-990-11	SHORT CHIP 0
		(SR200/SR200C/SR300/SR300C)
R1704	1-218-990-11	SHORT CHIP 0
		(SR190E/SR200E/SR290E/SR300E)
R1706	1-218-929-11	RES-CHIP 10 5% 1/16W
R1710	1-218-990-11	SHORT CHIP 0
R1713	1-218-933-11	RES-CHIP 22 5% 1/16W
R1717	1-218-953-11	RES-CHIP 1K 5% 1/16W
R1718	1-218-990-11	SHORT CHIP 0
R1719	1-216-864-11	SHORT CHIP 0
R1720	1-218-990-11	SHORT CHIP 0
R1721	1-218-961-11	RES-CHIP 4.7K 5% 1/16W
R1722	1-218-961-11	RES-CHIP 4.7K 5% 1/16W
R1725	1-218-990-11	SHORT CHIP 0
		(SR290E/SR300/SR300C/SR300E)
R1726	1-218-990-11	SHORT CHIP 0
		(SR190E/SR200/SR200C/SR200E)
R1821	1-218-941-81	RES-CHIP 100 5% 1/16W
R1822	1-218-965-11	RES-CHIP 10K 5% 1/16W
R1824	1-218-977-11	RES-CHIP 100K 5% 1/16W
R1825	1-218-985-11	RES-CHIP 470K 5% 1/16W
R1827	1-218-973-11	RES-CHIP 47K 5% 1/16W
R1830	1-218-961-11	RES-CHIP 4.7K 5% 1/16W
		(SR190E/SR200/SR200C/SR200E)
R1832	1-218-961-11	RES-CHIP 4.7K 5% 1/16W
		(SR190E/SR200/SR200C/SR200E)
R1834	1-218-977-11	RES-CHIP 100K 5% 1/16W
R1836	1-216-864-11	SHORT CHIP 0
R1846	1-218-990-11	SHORT CHIP 0
		(SR290E/SR300/SR300C/SR300E)
R1847	1-218-990-11	SHORT CHIP 0
		(SR190E/SR200/SR200C/SR200E)
R1848	1-218-990-11	SHORT CHIP 0
		(SR290E/SR300/SR300C/SR300E)
R1853	1-218-973-11	RES-CHIP 47K 5% 1/16W
		(SR290E/SR300/SR300C/SR300E)
R1905	1-218-990-11	SHORT CHIP 0
		(SR290E/SR300/SR300C/SR300E)
R1906	1-218-977-11	RES-CHIP 100K 5% 1/16W
R1907	1-218-977-11	RES-CHIP 100K 5% 1/16W
R1939	1-218-941-81	RES-CHIP 100 5% 1/16W
		(SR190E/SR200/SR200C/SR200E)
R2105	1-218-977-11	RES-CHIP 100K 5% 1/16W
R2113	1-218-935-11	RES-CHIP 33 5% 1/16W
R2117	1-218-953-11	RES-CHIP 1K 5% 1/16W
R2119	1-218-990-11	SHORT CHIP 0
		(SR200/SR200C/SR300/SR300C)
R2120	1-218-990-11	SHORT CHIP 0
		(SR190E/SR200E/SR290E/SR300E)
R2121	1-220-180-11	RES-CHIP 620 5% 1/16W
R2122	1-208-911-11	METAL CHIP 10K 0.5% 1/16W
R2124	1-218-941-11	RES-CHIP 100 5% 1/16W
R2125	1-208-683-11	METAL CHIP 1K 0.5% 1/16W
R2126	1-208-683-11	METAL CHIP 1K 0.5% 1/16W
R2136	1-218-941-81	RES-CHIP 100 5% 1/16W
		(SR290E/SR300/SR300C/SR300E)
R2139	1-218-937-11	RES-CHIP 47 5% 1/16W
R2152	1-218-989-11	RES-CHIP 1M 5% 1/16W
R2153	1-218-989-11	RES-CHIP 1M 5% 1/16W

Ref. No.	Part No.	Description				Ref. No.	Part No.	Description			
R2154	1-218-977-11	RES-CHIP	100K	5%	1/16W	R5427	1-218-990-11	SHORT CHIP	0		
R2155	1-218-977-11	RES-CHIP	100K	5%	1/16W				(SR290E/SR300/SR300C/SR300E)		
R2158	1-218-977-11	RES-CHIP	100K	5%	1/16W	R5430	1-218-965-11	RES-CHIP	10K	5%	1/16W
R2201	1-218-977-11	RES-CHIP	100K	5%	1/16W	R5431	1-218-965-11	RES-CHIP	10K	5%	1/16W
R2202	1-218-973-11	RES-CHIP	47K	5%	1/16W	R5433	1-208-909-11	METAL CHIP	8.2K	0.5%	1/16W
						R5434	1-208-721-11	METAL CHIP	39K	0.5%	1/16W
R2203	1-218-973-11	RES-CHIP	47K	5%	1/16W	R5435	1-218-958-11	RES-CHIP	2.7K	5%	1/16W
R2204	1-218-933-11	RES-CHIP	22	5%	1/16W						
R2206	1-218-953-11	RES-CHIP	1K	5%	1/16W	R5436	1-218-958-11	RES-CHIP	2.7K	5%	1/16W
R2303	1-218-961-11	RES-CHIP	4.7K	5%	1/16W	R5437	1-208-909-11	METAL CHIP	8.2K	0.5%	1/16W
R2329	1-218-977-11	RES-CHIP	100K	5%	1/16W	R5438	1-208-721-11	METAL CHIP	39K	0.5%	1/16W
						R5439	1-208-703-11	METAL CHIP	6.8K	0.5%	1/16W
R2330	1-218-962-11	RES-CHIP	5.6K	5%	1/16W	R5440	1-208-941-11	METAL CHIP	180K	0.5%	1/16W
R2331	1-218-965-11	RES-CHIP	10K	5%	1/16W						
R2332	1-218-965-11	RES-CHIP	10K	5%	1/16W	R5441	1-208-671-11	METAL CHIP	330	0.5%	1/16W
R2344	1-218-939-11	RES-CHIP	68	5%	1/16W	R5442	1-218-953-11	RES-CHIP	1K	5%	1/16W
R2345	1-218-849-11	METAL CHIP	1.2K	0.5%	1/10W	R5443	1-208-943-11	METAL CHIP	220K	0.5%	1/16W
						R5444	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R2359	1-218-939-11	RES-CHIP	68	5%	1/16W	R5445	1-208-909-11	METAL CHIP	8.2K	0.5%	1/16W
R2910	1-218-990-11	SHORT CHIP	0								
R2911	1-218-960-11	RES-CHIP	3.9K	5%	1/16W	R5446	1-208-909-11	METAL CHIP	8.2K	0.5%	1/16W
R2912	1-218-944-11	RES-CHIP	180	5%	1/16W	R5447	1-218-990-11	SHORT CHIP	0		
R2915	1-218-944-11	RES-CHIP	180	5%	1/16W	R5448	1-218-990-11	SHORT CHIP	0		
						R5449	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R2916	1-218-960-11	RES-CHIP	3.9K	5%	1/16W	R5450	1-208-943-11	METAL CHIP	220K	0.5%	1/16W
R2921	1-208-709-11	METAL CHIP	12K	0.5%	1/16W						
R2922	1-208-873-11	METAL CHIP	270	0.5%	1/16W	R5452	1-218-965-11	RES-CHIP	10K	5%	1/16W
R2923	1-208-873-11	METAL CHIP	270	0.5%	1/16W	R5453	1-218-990-11	SHORT CHIP	0		
R2924	1-208-873-11	METAL CHIP	270	0.5%	1/16W	R5454	1-208-941-11	METAL CHIP	180K	0.5%	1/16W
						R5455	1-208-703-11	METAL CHIP	6.8K	0.5%	1/16W
R2944	1-218-990-11	SHORT CHIP	0			R5456	1-208-909-11	METAL CHIP	8.2K	0.5%	1/16W
R2945	1-218-990-11	SHORT CHIP	0								
R3801	1-218-977-11	RES-CHIP	100K	5%	1/16W	R5457	1-208-909-11	METAL CHIP	8.2K	0.5%	1/16W
R3802	1-218-990-11	SHORT CHIP	0			R5458	1-218-953-11	RES-CHIP	1K	5%	1/16W
R5401	1-218-990-11	SHORT CHIP	0			R5459	1-208-721-11	METAL CHIP	39K	0.5%	1/16W
			(SR190E/SR200/SR200C/SR200E)			R5460	1-208-721-11	METAL CHIP	39K	0.5%	1/16W
R5402	1-218-990-11	SHORT CHIP	0			R5461	1-218-958-11	RES-CHIP	2.7K	5%	1/16W
			(SR190E/SR200/SR200C/SR200E)								
R5403	1-218-965-11	RES-CHIP	10K	5%	1/16W	R5462	1-218-958-11	RES-CHIP	2.7K	5%	1/16W
			(SR190E/SR200/SR200C/SR200E)			R5720	1-208-719-11	METAL CHIP	33K	0.5%	1/16W
R5404	1-218-965-11	RES-CHIP	10K	5%	1/16W				(SR290E/SR300/SR300C/SR300E)		
			(SR190E/SR200/SR200C/SR200E)			R5721	1-208-721-11	METAL CHIP	39K	0.5%	1/16W
R5405	1-218-990-11	SHORT CHIP	0						(SR290E/SR300/SR300C/SR300E)		
			(SR190E/SR200/SR200C/SR200E)			R5725	1-218-978-11	RES-CHIP	120K	5%	1/16W
R5406	1-218-990-11	SHORT CHIP	0						(SR290E/SR300/SR300C/SR300E)		
			(SR290E/SR300/SR300C/SR300E)			R5726	1-208-689-11	METAL CHIP	1.8K	0.5%	1/16W
									(SR290E/SR300/SR300C/SR300E)		
R5409	1-218-965-11	RES-CHIP	10K	5%	1/16W						
			(SR190E/SR200/SR200C/SR200E)			R5729	1-208-705-11	METAL CHIP	8.2K	0.5%	1/16W
R5410	1-218-965-11	RES-CHIP	10K	5%	1/16W				(SR290E/SR300/SR300C/SR300E)		
			(SR190E/SR200/SR200C/SR200E)			R5733	1-208-707-11	METAL CHIP	10K	0.5%	1/16W
R5411	1-218-965-11	RES-CHIP	10K	5%	1/16W				(SR290E/SR300/SR300C/SR300E)		
R5412	1-218-965-11	RES-CHIP	10K	5%	1/16W	R5736	1-208-721-11	METAL CHIP	39K	0.5%	1/16W
R5413	1-218-965-11	RES-CHIP	10K	5%	1/16W				(SR290E/SR300/SR300C/SR300E)		
						R5737	1-208-721-11	METAL CHIP	39K	0.5%	1/16W
R5414	1-218-965-11	RES-CHIP	10K	5%	1/16W				(SR290E/SR300/SR300C/SR300E)		
R5415	1-218-965-11	RES-CHIP	10K	5%	1/16W	R5741	1-218-978-11	RES-CHIP	120K	5%	1/16W
			(SR190E/SR200/SR200C/SR200E)						(SR290E/SR300/SR300C/SR300E)		
R5420	1-218-965-11	RES-CHIP	10K	5%	1/16W						
			(SR190E/SR200/SR200C/SR200E)			R5742	1-208-689-11	METAL CHIP	1.8K	0.5%	1/16W
R5421	1-218-965-11	RES-CHIP	10K	5%	1/16W				(SR290E/SR300/SR300C/SR300E)		
R5422	1-218-965-11	RES-CHIP	10K	5%	1/16W	R5745	1-208-705-11	METAL CHIP	8.2K	0.5%	1/16W
									(SR290E/SR300/SR300C/SR300E)		
R5423	1-218-965-11	RES-CHIP	10K	5%	1/16W	R5749	1-208-707-11	METAL CHIP	10K	0.5%	1/16W
R5424	1-218-965-11	RES-CHIP	10K	5%	1/16W				(SR290E/SR300/SR300C/SR300E)		
R5425	1-218-965-11	RES-CHIP	10K	5%	1/16W	R5770	1-218-977-11	RES-CHIP	100K	5%	1/16W
R5426	1-218-965-11	RES-CHIP	10K	5%	1/16W				(SR290E/SR300/SR300C/SR300E)		

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Ref. No.	Part No.	Description
R5771	1-218-977-11	RES-CHIP 100K 5% 1/16W (SR290E/SR300/SR300C/SR300E)
R5772	1-218-977-11	RES-CHIP 100K 5% 1/16W (SR290E/SR300/SR300C/SR300E)
R5773	1-218-977-11	RES-CHIP 100K 5% 1/16W (SR290E/SR300/SR300C/SR300E)
R5774	1-218-977-11	RES-CHIP 100K 5% 1/16W (SR290E/SR300/SR300C/SR300E)
R5776	1-218-977-11	RES-CHIP 100K 5% 1/16W (SR290E/SR300/SR300C/SR300E)
R5791	1-218-990-11	SHORT CHIP 0 (SR290E/SR300/SR300C/SR300E)
R5792	1-218-990-11	SHORT CHIP 0 (SR290E/SR300/SR300C/SR300E)
R5820	1-216-864-11	SHORT CHIP 0

< COMPOSITION CIRCUIT BLOCK >

RB1001	1-242-963-21	RES, NETWORK 33 (1005X4)
RB1002	1-242-963-21	RES, NETWORK 33 (1005X4)
RB1003	1-242-963-21	RES, NETWORK 33 (1005X4)
RB1004	1-242-963-21	RES, NETWORK 33 (1005X4)
RB1005	1-242-963-21	RES, NETWORK 33 (1005X4)
RB1701	1-234-400-21	CONDUCTOR, NETWORK (1005X4) (SR190E/SR200/SR200C/SR200E)
RB1702	1-234-400-21	CONDUCTOR, NETWORK (1005X4) (SR190E/SR200/SR200C/SR200E)
RB1703	1-234-400-21	CONDUCTOR, NETWORK (1005X4) (SR190E/SR200/SR200C/SR200E)
RB1704	1-234-400-21	CONDUCTOR, NETWORK (1005X4) (SR190E/SR200/SR200C/SR200E)
RB2101	1-234-375-21	RES, NETWORK 1.0K (1005X4)
RB2102	1-234-375-21	RES, NETWORK 1.0K (1005X4)
RB2103	1-234-375-21	RES, NETWORK 1.0K (1005X4)
RB2104	1-234-378-11	RES, NETWORK 10K (1005X4)
RB2902	1-234-377-21	RES, NETWORK 4.7K (1005X4)

< SENSOR >

* SE3801 1-478-556-11 3 AXIS ACCELEROMETER

< VIBRATOR >

* X1701 1-813-763-21 QUARTZ CRYSTAL OSCILLATOR
(80.919081MHz) (SR200/SR200C)

* X1701 1-813-764-21 QUARTZ CRYSTAL OSCILLATOR (62.37MHz)
(SR190E/SR200E)

* X1701 1-813-854-21 QUARTZ CRYSTAL OSCILLATOR (74.25MHz)
(SR290E/SR300E)

* X1701 1-813-855-21 QUARTZ CRYSTAL OSCILLATOR
(89.010989MHz) (SR300/SR300C)

* X1802 1-767-205-81 VIBRATOR, CRYSTAL (20MHz)

* X2101 1-813-403-21 QUARTZ CRYSTAL OSCILLATOR (12MHz)

DCR-SR190E/SR200/SR200C/SR200E/SR290E/ SR300/SR300C/SR300E RMT-835

SONY®

LEVEL 3

SERVICE MANUAL

Ver. 1.3 2007. 08

US Model
Canadian Model
AEP Model
UK Model
E Model
Australian Model
Hong Kong Model
Chinese Model
Korea Model
Tourist Model
Japanese Model

SUPPLEMENT-1

File this supplement with the service manual previously issued.
(DI07-072)

• Change of Electrical Parts List

5. REPAIR PARTS LIST

5-2. ELECTRICAL PARTS LIST

 : Points Changed portion

Page	Before Changed						After Changed					
5-20	VC-492 BOARD						VC-492 BOARD					
	Ref. No.	Part No.	Description				Ref. No.	Part No.	Description			
			< CAPACITOR >						< CAPACITOR >			
	C2202	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V	C2202	 1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
	C2205	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V	C2205	 1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
	C2206	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V	C2206	 1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
	C2505	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V	C2505	 1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
	C2510	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V	C2510	 1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
	C2519	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V	C2519	 1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
	C2531	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V	C2531	 1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
	C2532	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V	C2532	 1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
	C2533	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V	C2533	 1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
	C2534	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V	C2534	 1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
	C2902	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V	C2902	 1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
	C2903	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V	C2903	 1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
	C2905	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V	C2905	 1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
	C2907	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V	C2907	 1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
												

SONY®

LEVEL 3

SERVICE MANUAL

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US Model
Canadian Model
AEP Model
UK Model
E Model
Australian Model
Hong Kong Model
Chinese Model
Korea Model
Tourist Model
Japanese Model

SUPPLEMENT-2

File this supplement with the service manual previously issued.
(DI07-135)

Subject

- VC-492 Board, DA-042 Board Modification
(Suffix No. -11 to -12)
- Change of Electrical Parts List

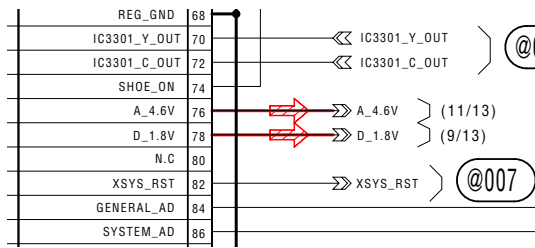
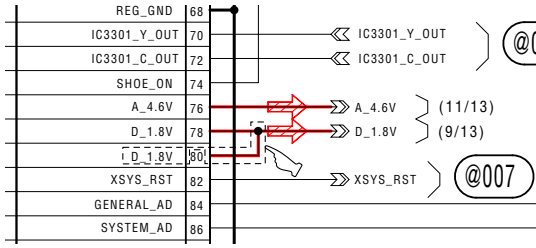
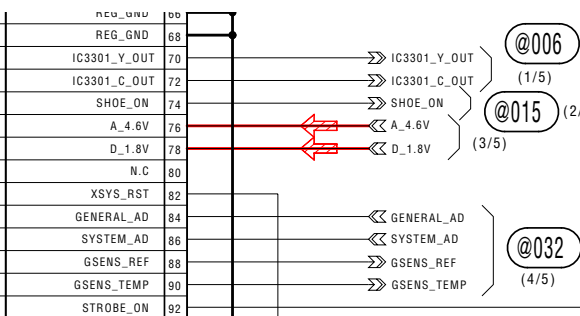
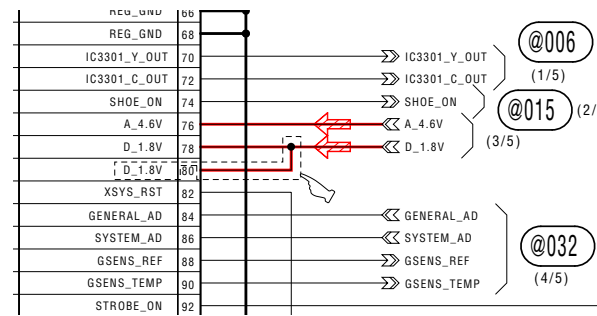
- Suffix No. of VC-492 and DA-042 Boards have been changed from 11 to 12.

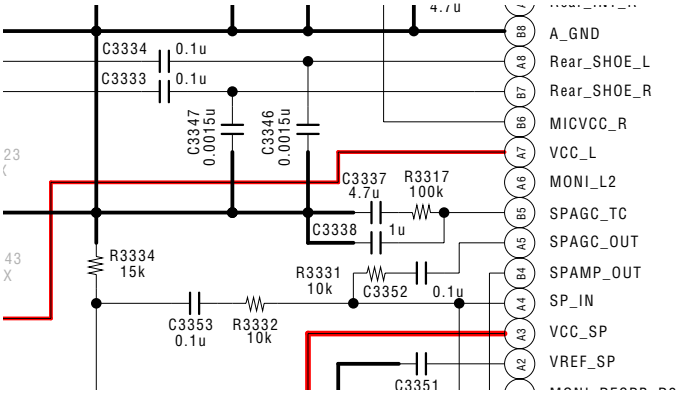
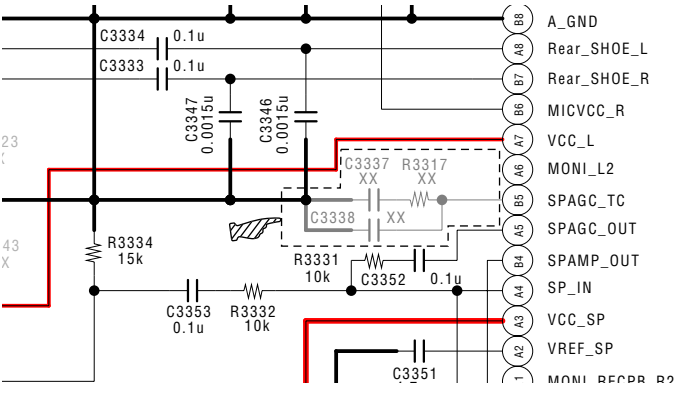
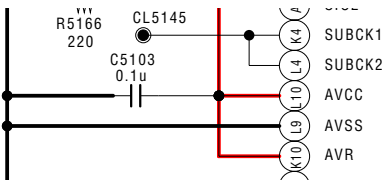
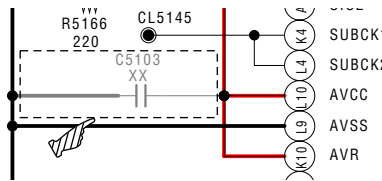
4. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

4-2. SCHEMATIC DIAGRAMS

• Change Relative to Suffix No.

 : Added portion

Page	Suffix -11	Suffix -12
4-19	VC-492 BOARD (13/13) (Location: F-14 to G-16) 	VC-492 BOARD (13/13) (Location: F-14 to G-16) 
4-24	DA-042 BOARD (5/5) (Location: G-11 to H-13) 	DA-042 BOARD (5/5) (Location: G-11 to H-13) 

Page	Before Change	
4-20	DA-042 BOARD (1/5) (Location: E-8 to F-10) 	
	After Change DA-042 BOARD (1/5) (Location: E-8 to F-10) 	
4-23	Before Change DA-042 BOARD (4/5) (Location: H-8 to H-9) 	After Change DA-042 BOARD (4/5) (Location: H-8 to H-9) 

DCR-SR190E/SR200/SR200C/SR200E/SR290E/
SR300/SR300C/SR300E
RMT-835

SONY®

LEVEL 3

SERVICE MANUAL

Ver. 1.5 2008. 03

US Model
Canadian Model
AEP Model
UK Model
E Model
Australian Model
Hong Kong Model
Chinese Model
Korea Model
Tourist Model
Japanese Model

SUPPLEMENT-3

File this supplement with the service manual previously issued.
(DI07-308)

Subject
• Change of Electrical Parts List

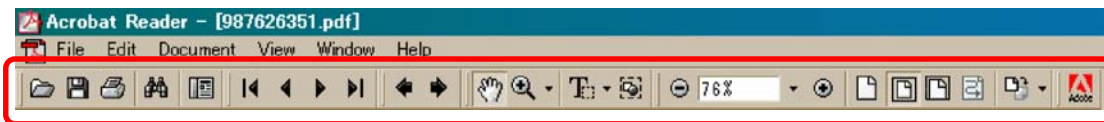
5. REPAIR PARTS LIST

5-2. ELECTRICAL PARTS LIST

 : Points deleted portion
 : Points changed portion

Page	Before Change			After Change		
5-21	VC-492 BOARD			VC-492 BOARD		
	<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>
	*  IC1803	6-807-464-01	IC MB91195ABGL-G-235-ERE1 (SR290E/SR300/SR300C/SR300E)	IC1803	6-807-  916-01	IC MB91195ABGL-G-252-ERE1 (SR290E/SR300/SR300C/SR300E)

[Description of main button functions on toolbar of the Adobe Acrobat Reader Ver5.0 (for Windows)]



Printing a text

1. Click the Print button .
2. Specify a printer, print range, number of copies, and other options, and then click [OK].

Application of printing:

To set a range to be printed within a page, select the graphic selection tool  and drag on the page to enclose a range to be printed, and then click the Print button.

Reversing the screens displayed once

- To reverse the previous screens (operation) one by one, click the .
- To advance the reversed screens (operation) one by one, click the .

Application to the Service Manual:

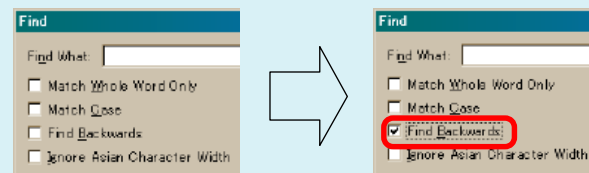
This function allows you to go and back between circuit diagram and printed circuit board diagram, and accordingly it will be convenient for the voltage check.

Finding a text

1. Click the Find button .
2. Enter a character string to be found into a text box, and click the [Find]. (Specify the find options as necessary)

Application to the Service Manual:

To execute "find" from current page toward the previous pages, select the check box "Find Backwards" and then click the "Find".



3. Open the find dialog box again, and click the [Find Again] and you can find the matched character strings displayed next. (Character strings entered previously are displayed as they are in the text box.)

Application to the Service Manual:

The parts on the drawing pages (block diagrams, circuit diagrams, printed circuit boards) and parts list pages in a text can be found using this find function. For example, find a Ref. No. of IC on the block diagram, and click the [Find Again] continuously, so that you can move to the Ref. No. of IC on the circuit diagram or printed circuit board diagram successively.

Note: The find function may not be applied to the Service Manual depending on the date of issue.

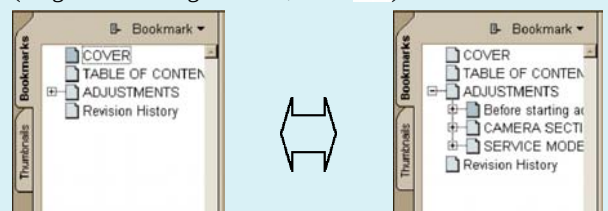
Moving with link

1. Select either palm tool , zoom tool , text selection tool , or graphic selection tool .
2. Place the pointer in the position in a text where the link exists (such as a button on cover and the table of contents page, or blue characters on the removal flowchart page or drawing page), and the pointer will change to the forefinger form .
3. Then, click the link. (You will go to the link destination.)

Moving with bookmark:

Click an item (text) on the bookmark pallet, and you can move to the link destination. Also, clicking  can display the hidden items.

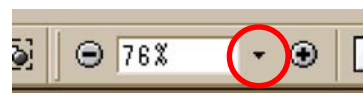
(To go back to original state, click )



Zooming or rotating the screen display

"Zoom in/out"

- Click the triangle button in the zoom control box to select the display magnification. Or, you may click  or  for zooming in or out.



"Rotate"

- Click rotate tool , and the page then rotates 90 degrees each.

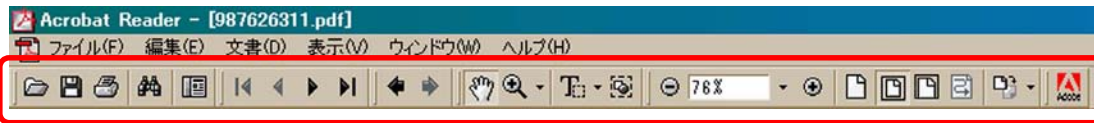
Application to the Service Manual:

The printed circuit board diagram you see now can be changed to the same direction as the set.

Switching a page

- To move to the first page, click the .
- To move to the last page, click the .
- To move to the previous page, click the .
- To move to the next page, click the .

【Adobe Acrobat Reader Ver 5.0(for Windows) ツールバー内にある主なボタンの機能説明】



文章を印刷する

1. 印刷ボタンをクリックする。
2. プリンター、印刷範囲、印刷部数、および他のオプションを指定して「OK」をクリックする。

印刷の応用：

ページ内で印刷したい範囲を設定するには、グラフィック選択ツールを選択し、ページ上をドラッグして印刷したい範囲を囲ってから印刷ボタンをクリックする。

文章内を検索する

1. 検索ボタンをクリックする。
2. 検索したい文字列をテキストボックスに入力して「検索」をクリックする。(必要に応じて検索オプションを指定する)

サービスマニュアルへの応用：

現在のページから前ページに向かって検索する場合は「先頭に向かって検索」のチェックボックスを選択してから「検索」をクリックする。



3. 検索ダイアログボックスをもう一度開き、「次を検索」をクリックすると次に出てくる一致文字列を検索することができる。(前回入力した文字列が、テキストボックスにそのまま表示されている)

サービスマニュアルへの応用：

文章内にある図面ページ(ブロックダイアグラム、回路図、プリント図)および部品表ページなどは、この検索機能を使って部品検索することができる。例えば、ブロックダイアグラム上でICのRef. No.を検索し、「次を検索」を続けることによって回路図、プリント図上にあるICのRef. No.へ次々と移動する。

注意：発行年月日によって検索できない場合もあります。

ページを切り換える

- ・ 最初のページに移動する場合、をクリックする。
- ・ 最後のページに移動する場合、をクリックする。
- ・ 前のページに移動する場合、をクリックする。
- ・ 次のページに移動する場合、をクリックする。

一度表示した画面へ逆戻りする

- ・ 前の画面(操作)へ1つずつ逆戻りする場合、をクリックする。
- ・ 戻した画面(操作)を1つずつ前に進める場合、をクリックする。

サービスマニュアルへの応用：

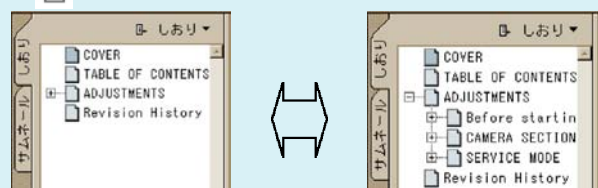
回路図とプリント図を行き来できるので電圧チェックに便利です。

リンクを使用して移動する

1. 手のひらツール、ズームツール、テキスト選択ツール、グラフィック選択ツールのいずれかを選択する。
2. 文章内のリンクのある場所(表紙および章目次ページのボタン、外し方のフローページ、図面ページでは文字が青色になっているところなど)にポインタを置くと、ポインタが人差し指の形に変わる。
3. そのままリンクをクリックする。(リンク先へ移動する)

しおりを利用して移動する：

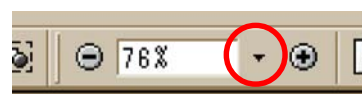
しおりパレット上の項目(テキスト)をクリックするとリンク先へ移動することができる。また、「」をクリックすると隠れている項目を表示することができる。(「」をクリックすると元に戻る)



画面の表示を拡大、縮小または回転させる

「拡大/縮小」

- ・ 倍率ボックスの三角矢印ボタンをクリックし、表示倍率を選択する。または、をクリックしても使えます。



「回転」

- ・ 回転ツールをクリックすると、ページが90度ずつ回転する。

サービスマニュアルへの応用：

見ているプリント図をセットと同じ向きに変えられます。

Revision History

Ver.	Date	History	Contents	S.M. Rev. issued
1.0	2007.02	Official Release	—	—
1.1	2007.03	Revised-1	• DCR-SR200C/SR300C are added.	Yes
1.2	2007.06	Revised-2	• Correction of Schematic Diagrams • Correction of Electrical Parts List S.M. Correction : 4-8 , 4-9 , 4-10 , 4-11 , 4-12 , 4-17 , 5-14 , 5-15	Yes
1.3	2007.08	Supplement-1 (DI07-072)	• Change of Electrical Parts List	No
1.4	2007.10	Supplement-2 (DI07-135)	• VC-489 Board, DA-039 Board Modification (Suffix No. -11 to -12) • Change of Electrical Part List	No
1.5	2008.03	Supplement-3 (DI07-308)	• Change of Electrical Part List	No